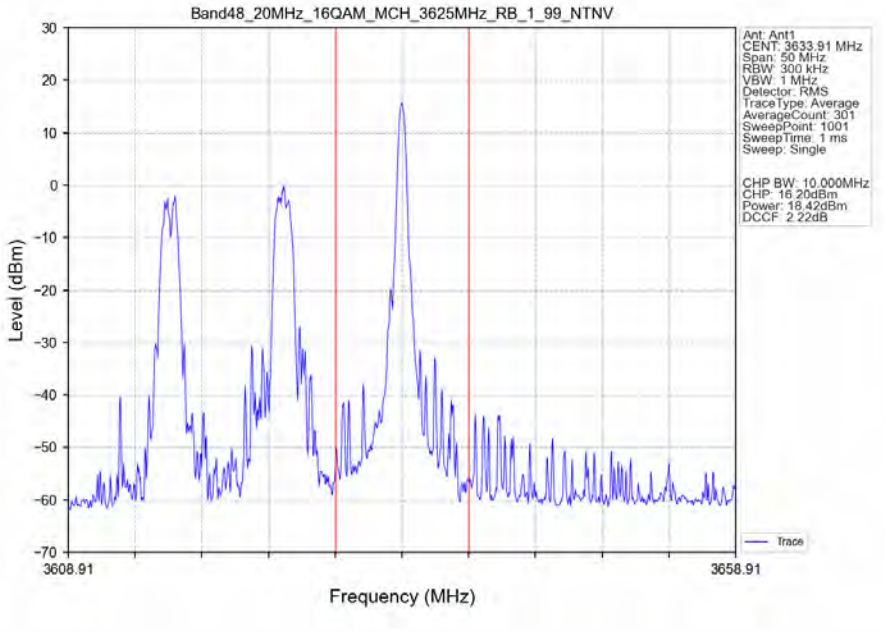
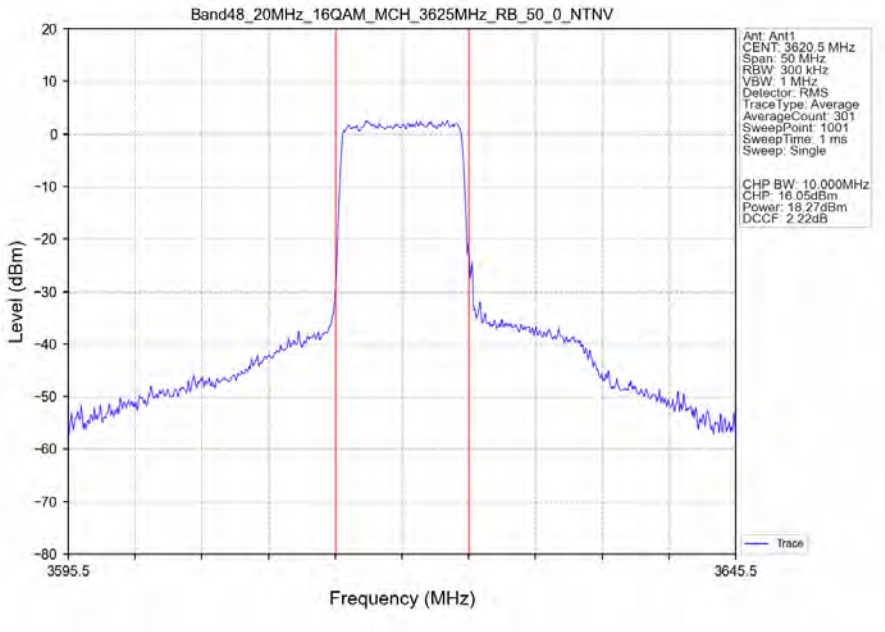
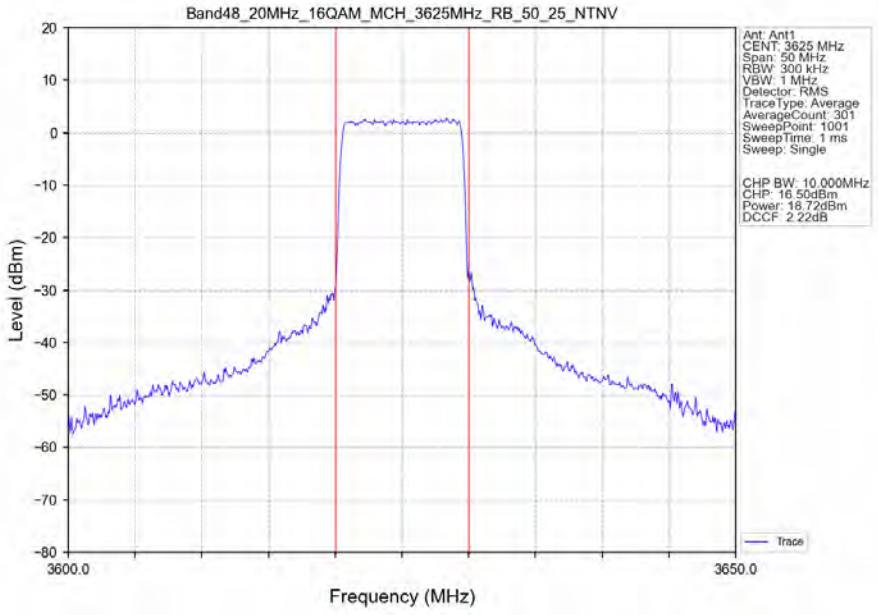
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_99_NTNV



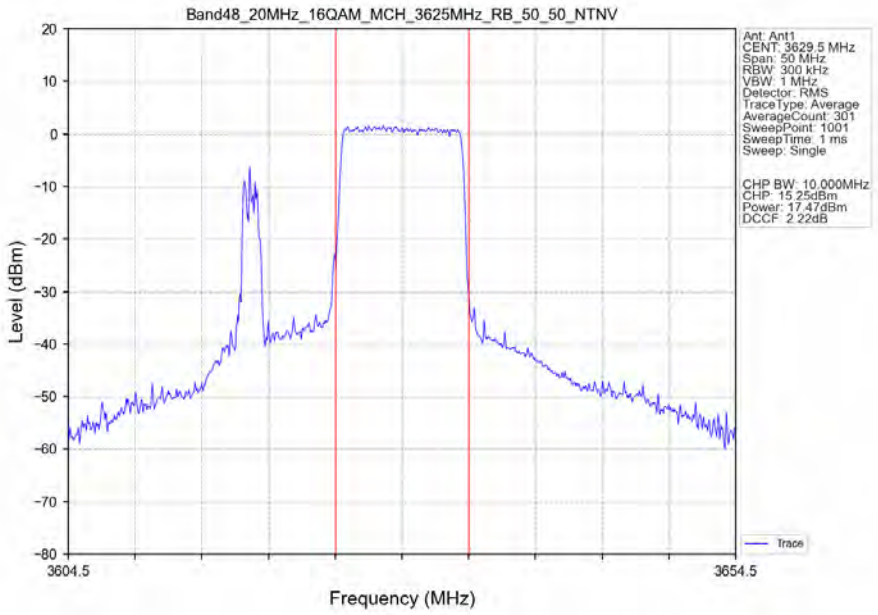
Band48_20MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



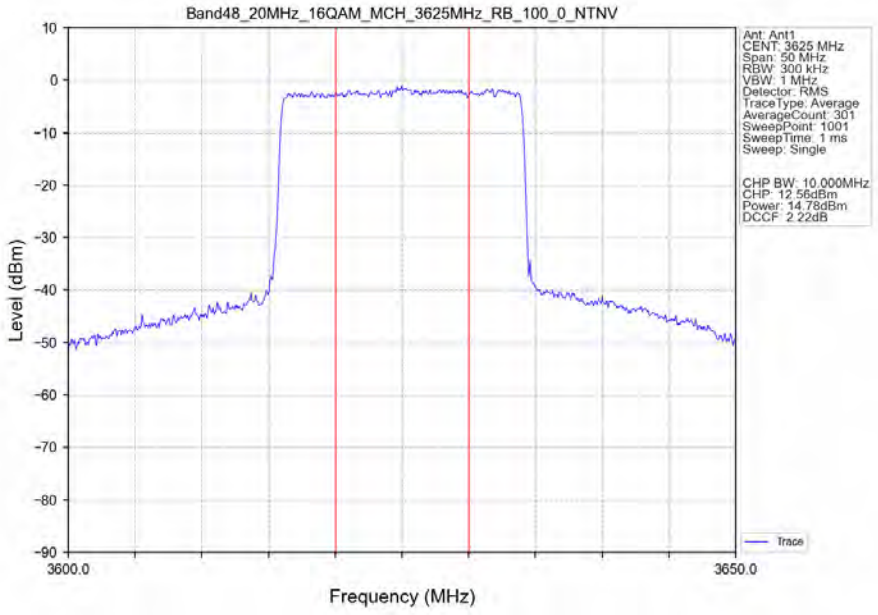
Band48_20MHz_16QAM_MCH_3625MHz_RB_50_25_NTNV



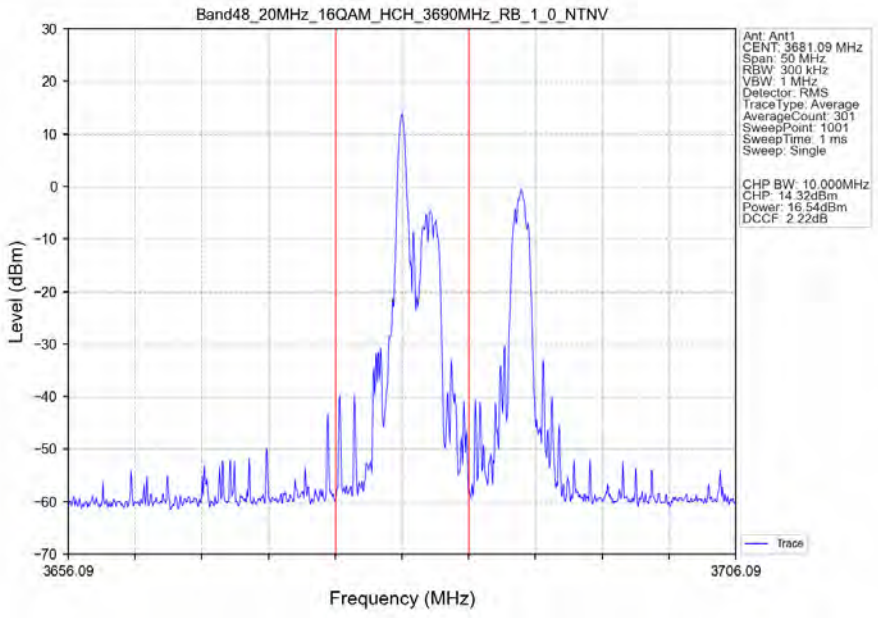
Band48_20MHz_16QAM_MCH_3625MHz_RB_50_50_NTNV



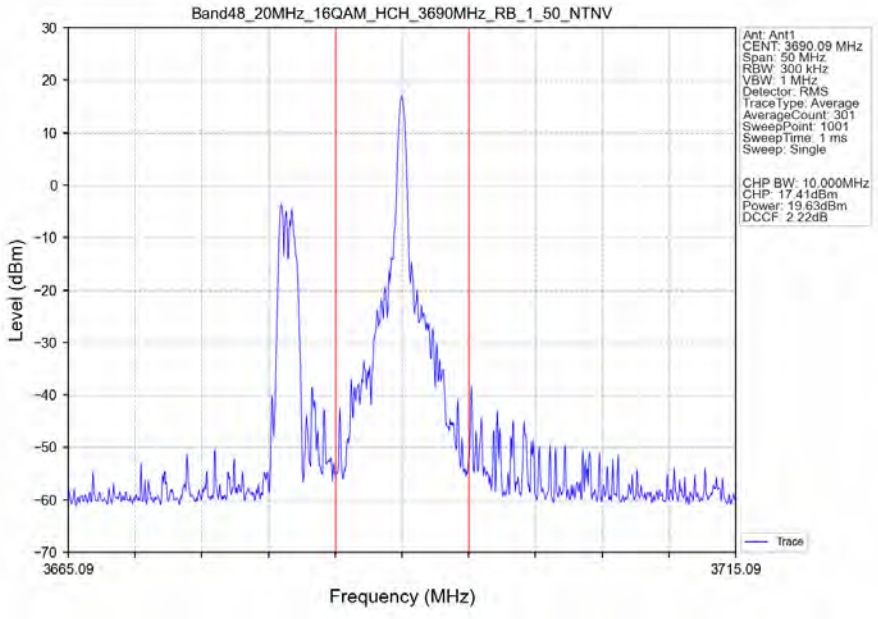
Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



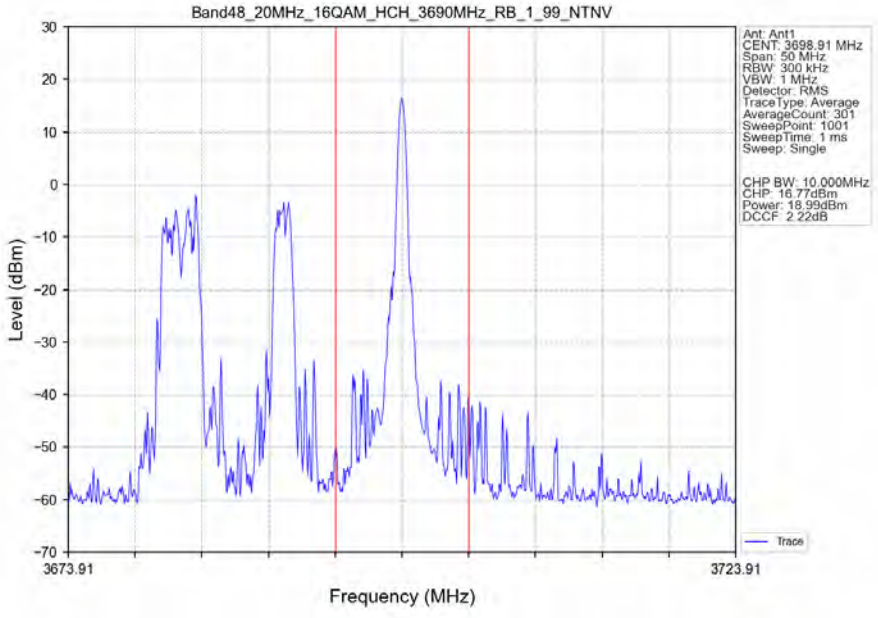
Band48_20MHz_16QAM_HCH_3690MHz_RB_1_0_NTNV



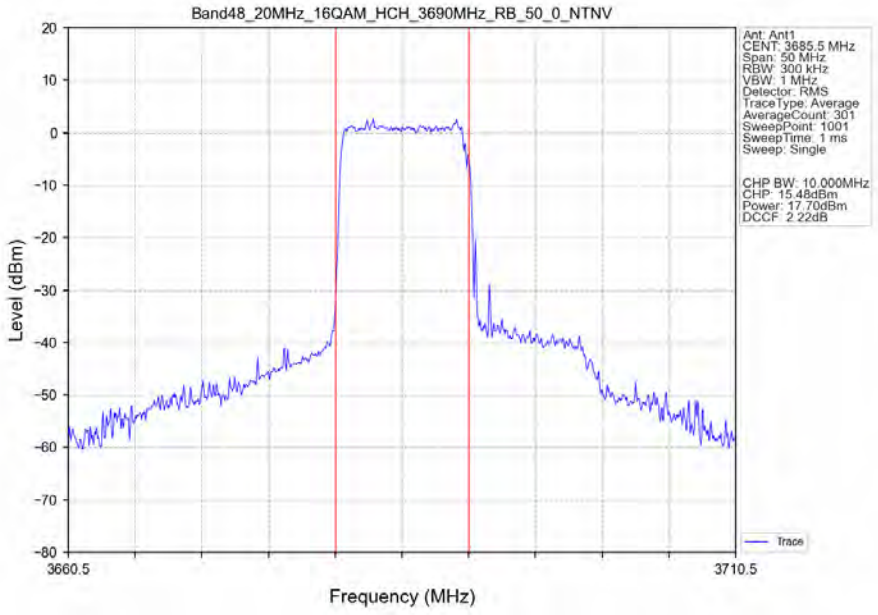
Band48_20MHz_16QAM_HCH_3690MHz_RB_1_50_NTNV



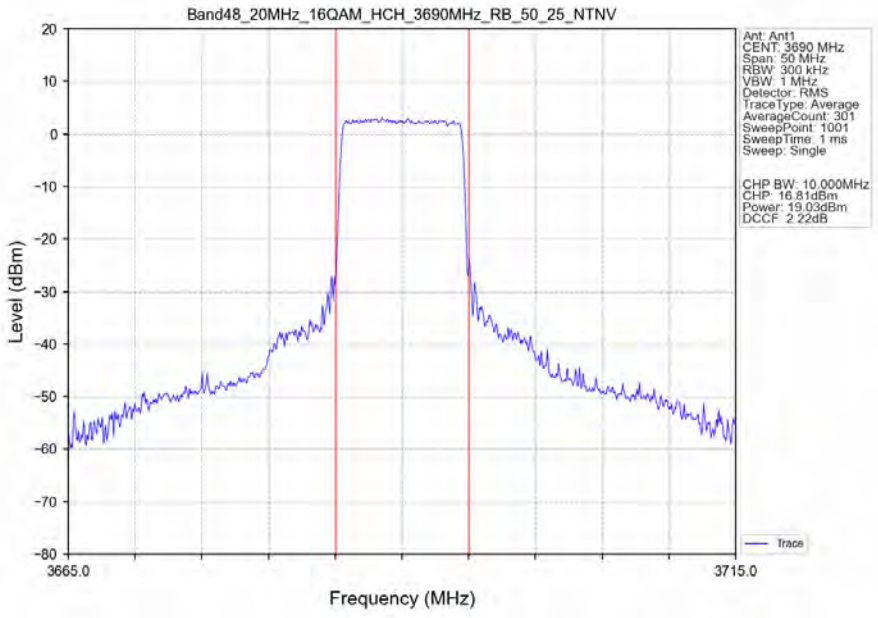
Band48_20MHz_16QAM_HCH_3690MHz_RB_1_99_NTNV



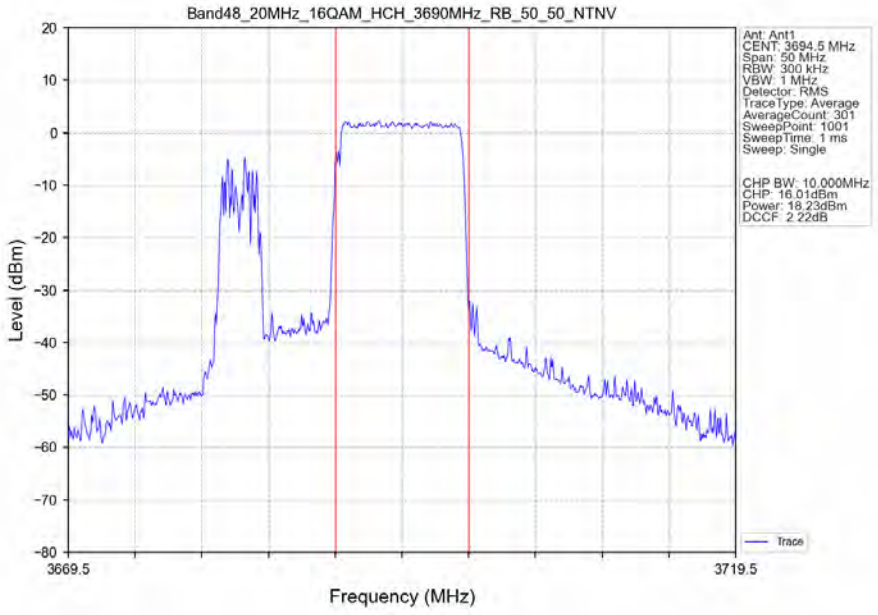
Band48_20MHz_16QAM_HCH_3690MHz_RB_50_0_NTNV



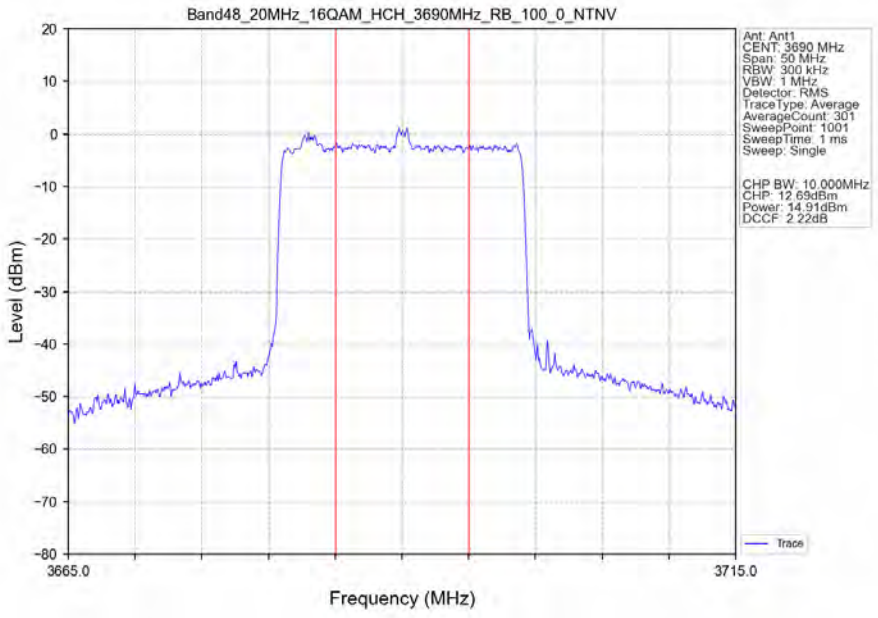
Band48_20MHz_16QAM_HCH_3690MHz_RB_50_25_NTNV



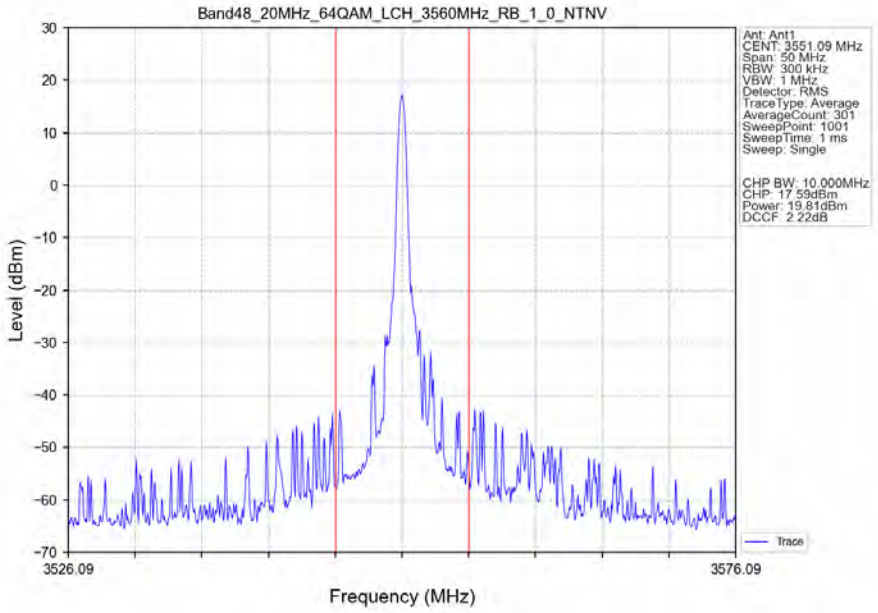
Band48_20MHz_16QAM_HCH_3690MHz_RB_50_50_NTNV



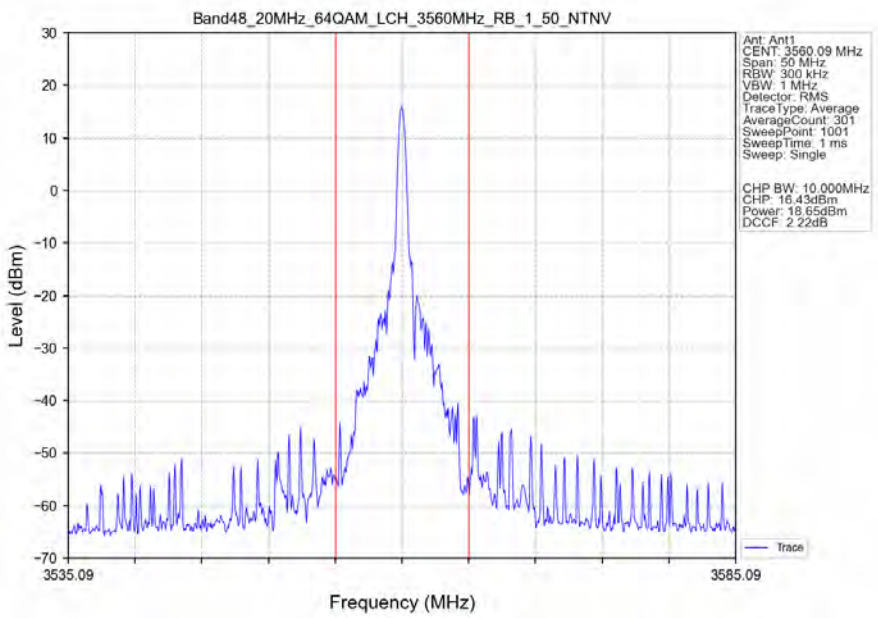
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



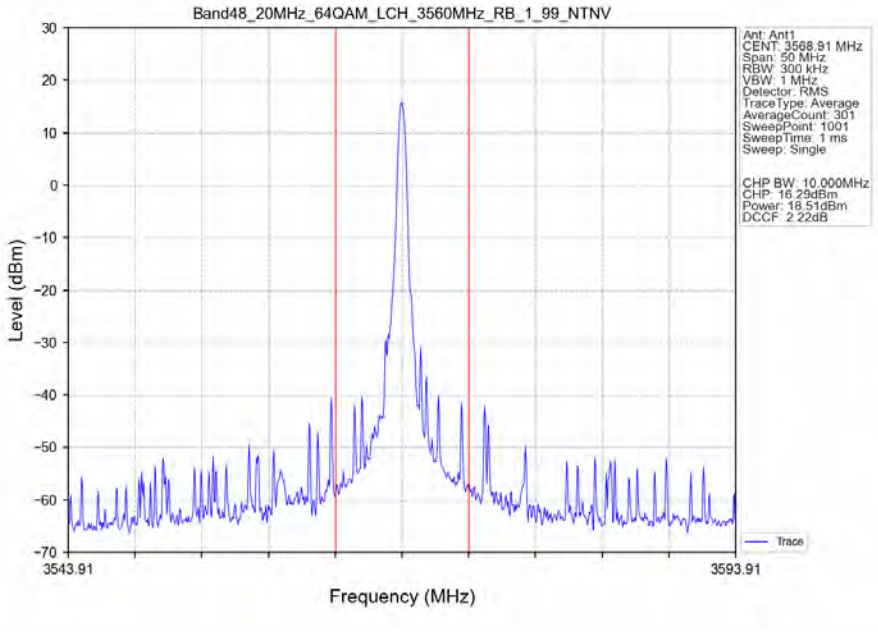
Band48_20MHz_64QAM_LCH_3560MHz_RB_1_0_NTNV



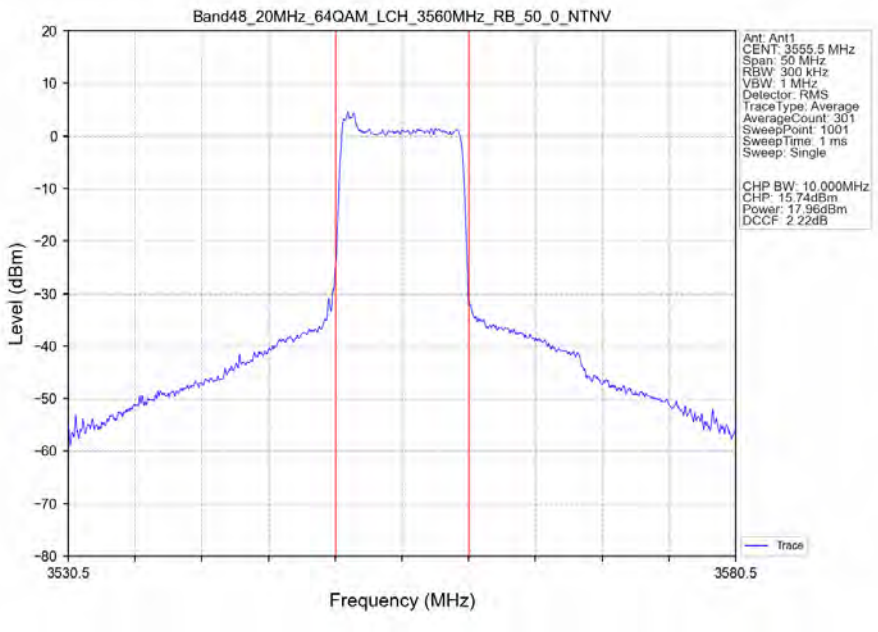
Band48_20MHz_64QAM_LCH_3560MHz_RB_1_50_NTNV



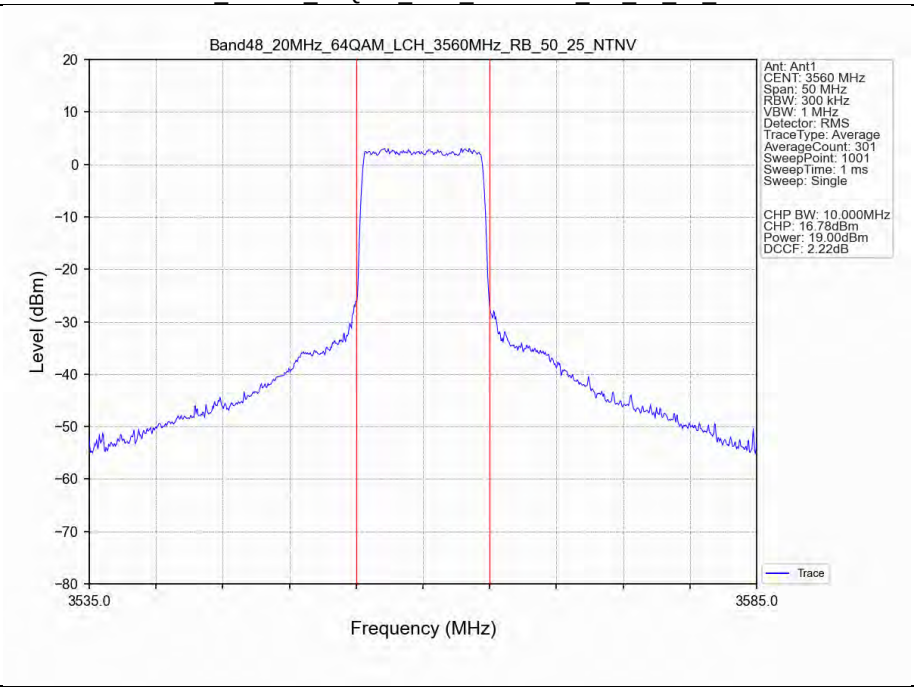
Band48_20MHz_64QAM_LCH_3560MHz_RB_1_99_NTNV



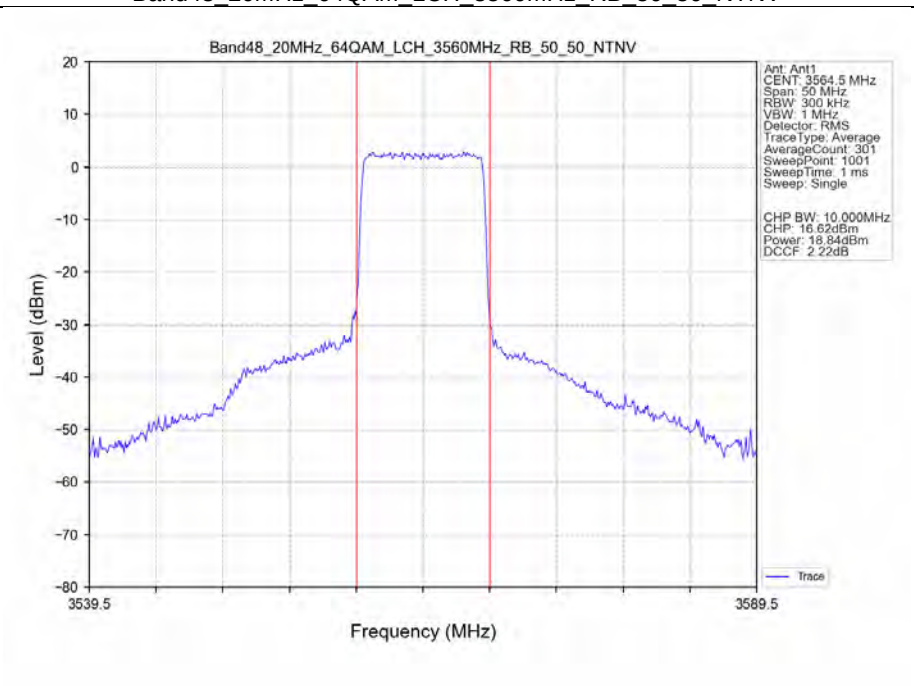
Band48_20MHz_64QAM_LCH_3560MHz_RB_50_0_NTNV



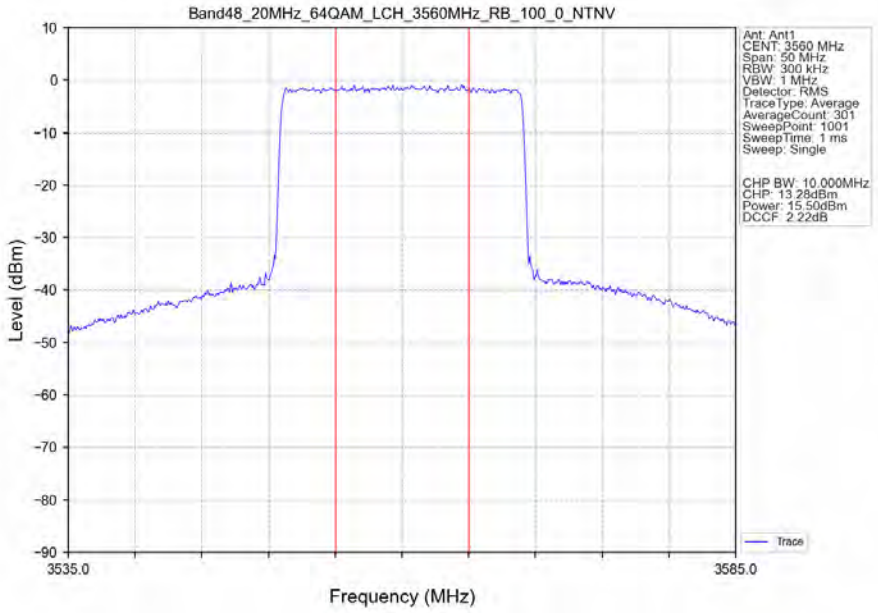
Band48_20MHz_64QAM_LCH_3560MHz_RB_50_25_NTNV



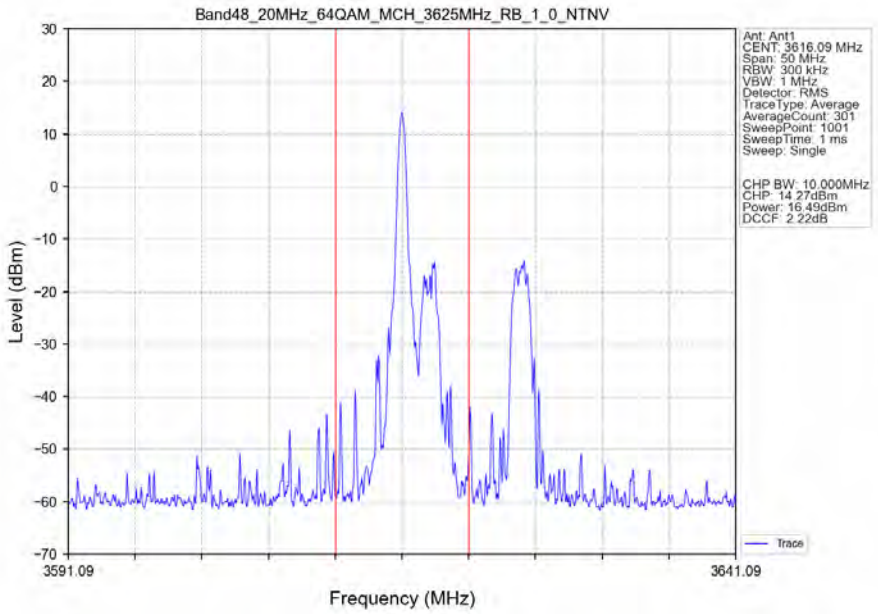
Band48_20MHz_64QAM_LCH_3560MHz_RB_50_50_NTNV



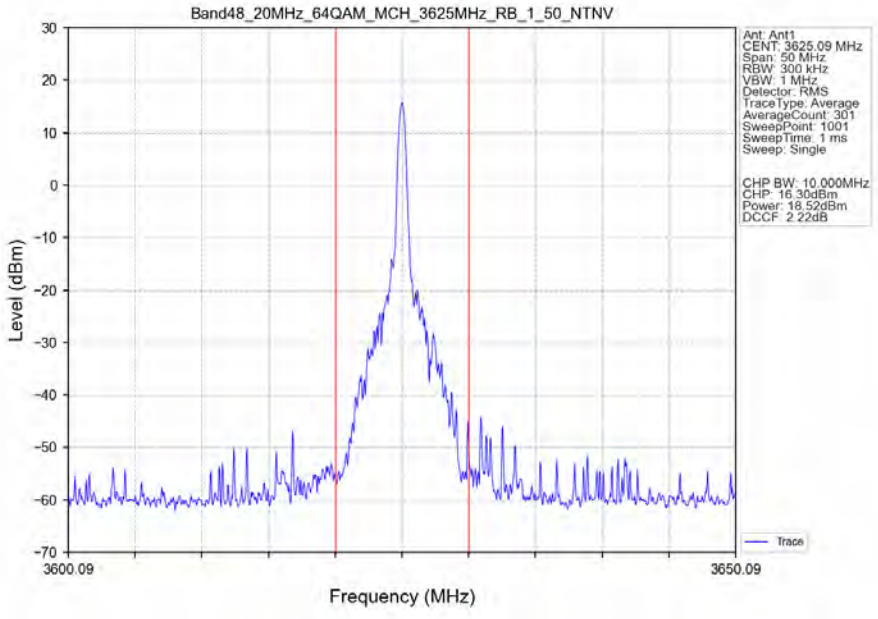
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



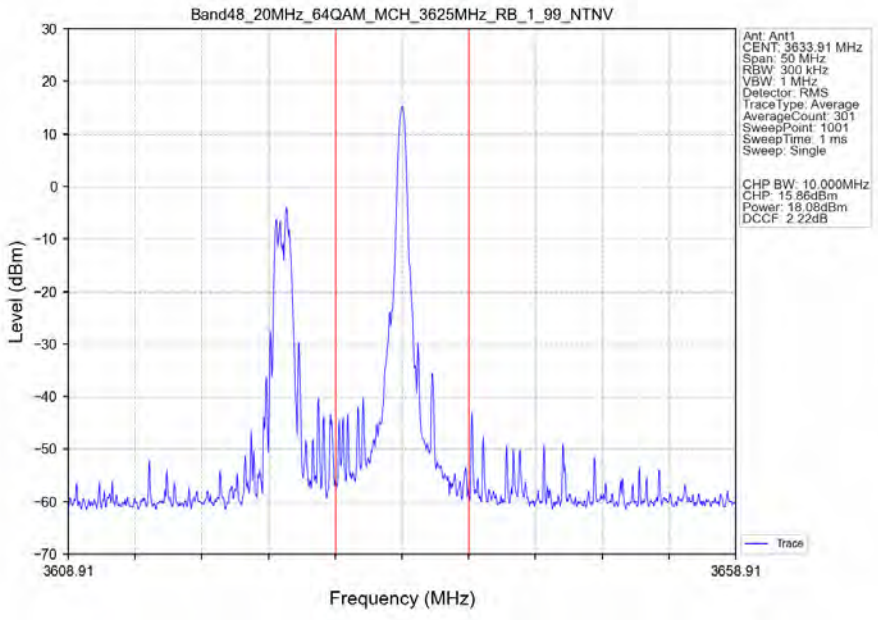
Band48_20MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



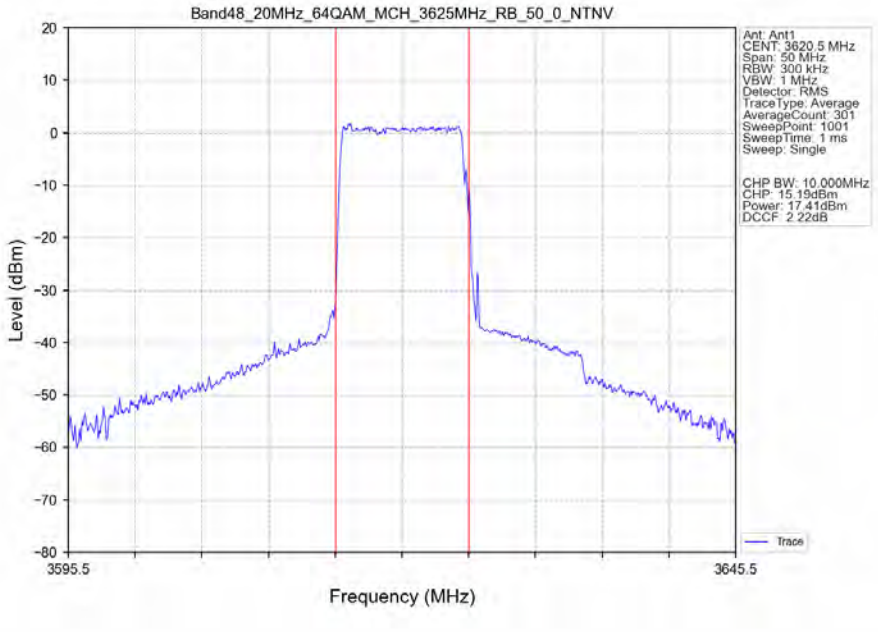
Band48_20MHz_64QAM_MCH_3625MHz_RB_1_50_NTNV



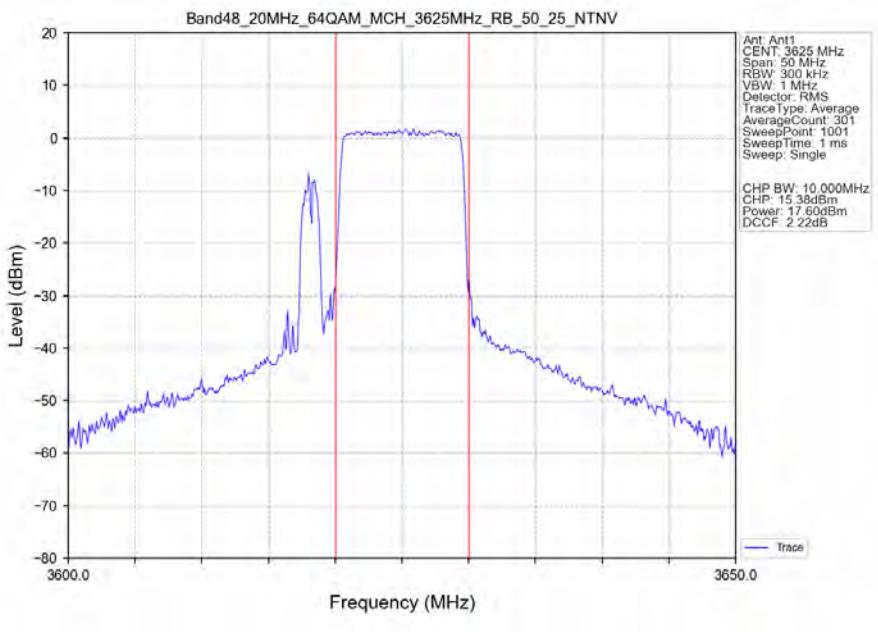
Band48_20MHz_64QAM_MCH_3625MHz_RB_1_99_NTNV



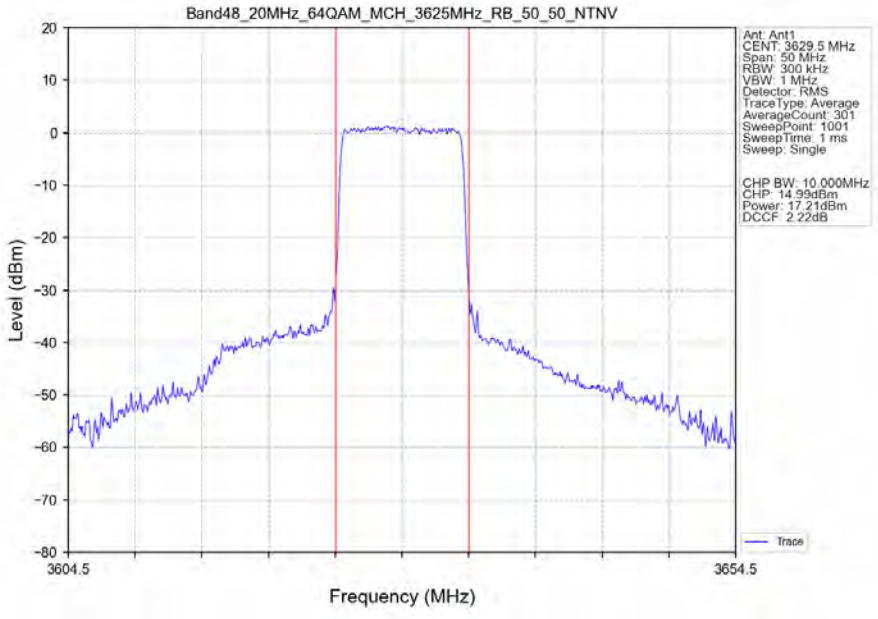
Band48_20MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



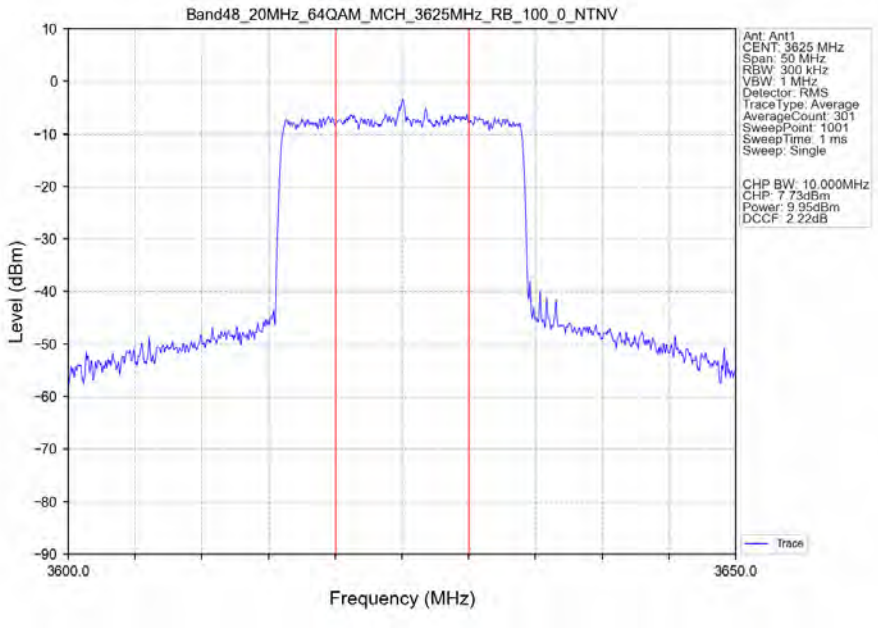
Band48_20MHz_64QAM_MCH_3625MHz_RB_50_25_NTNV



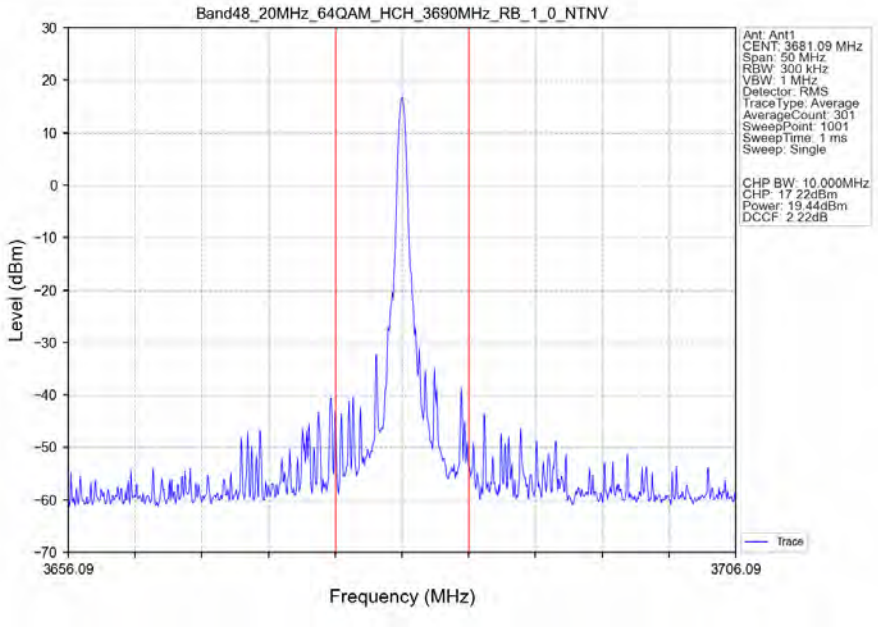
Band48_20MHz_64QAM_MCH_3625MHz_RB_50_50_NTNV



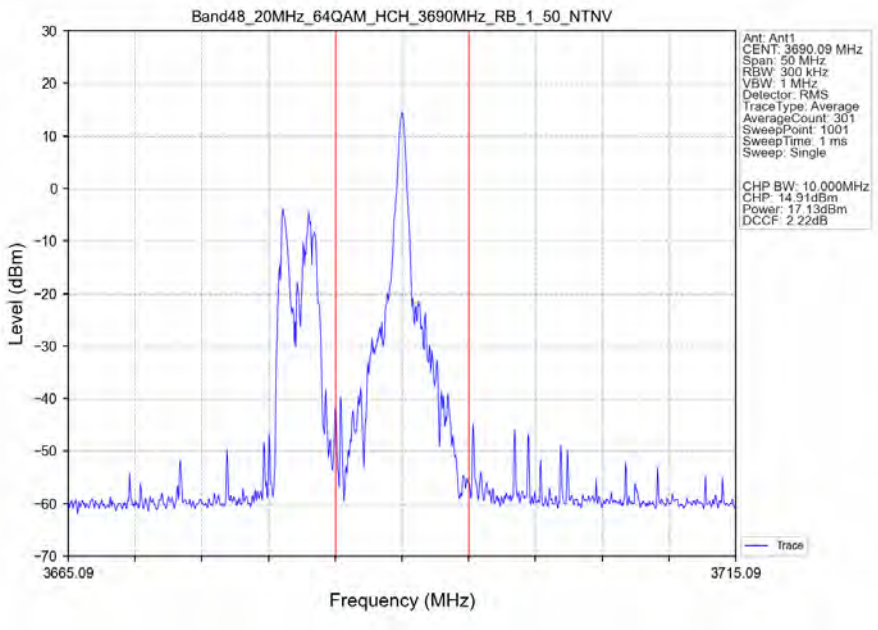
Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



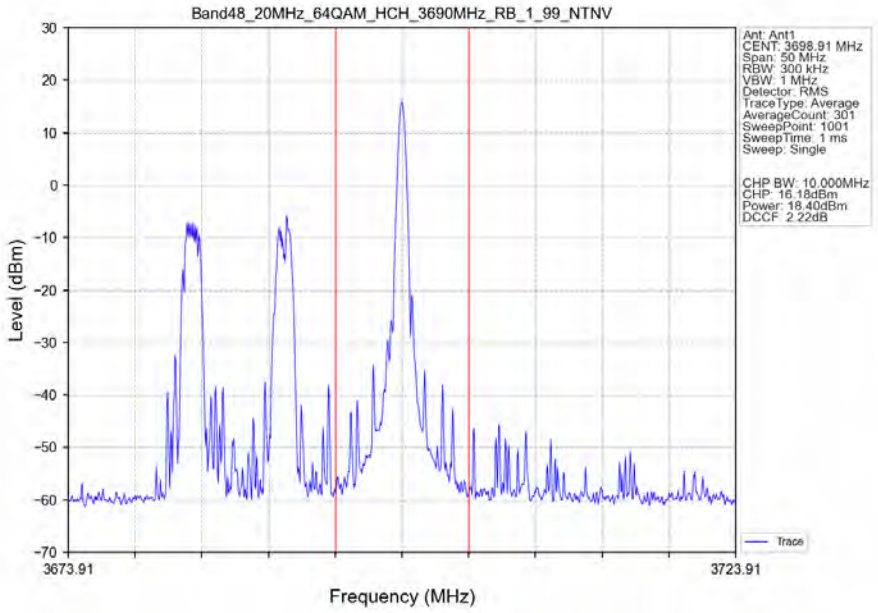
Band48_20MHz_64QAM_HCH_3690MHz_RB_1_0_NTNV



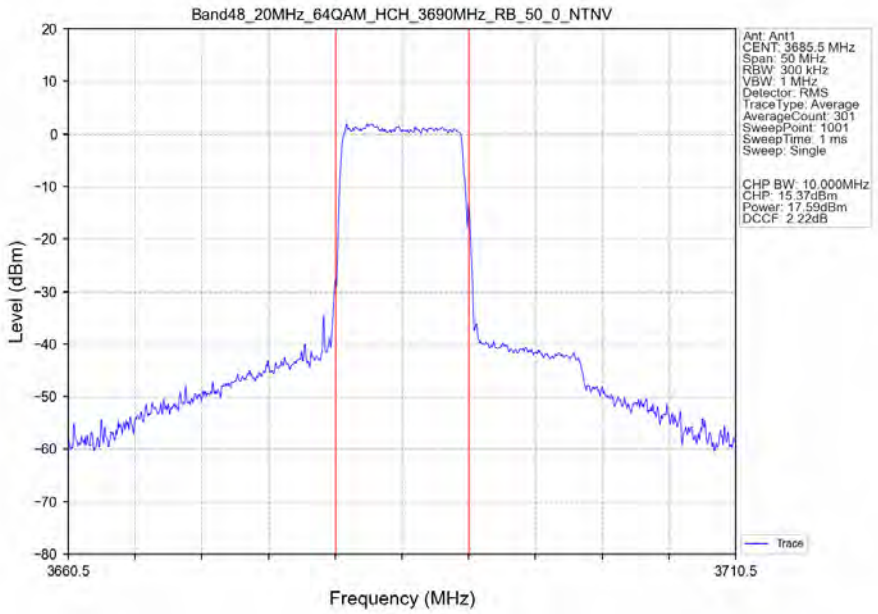
Band48_20MHz_64QAM_HCH_3690MHz_RB_1_50_NTNV



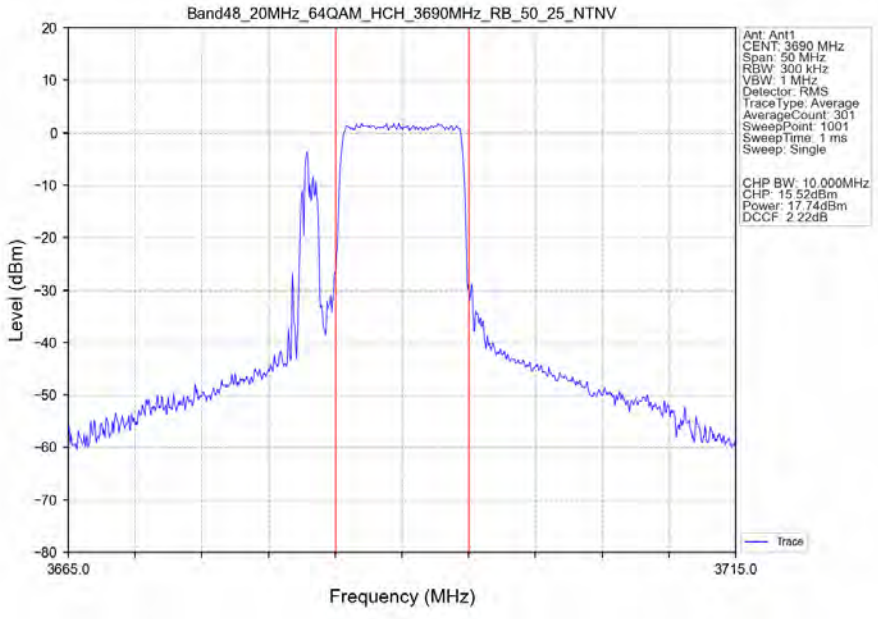
Band48_20MHz_64QAM_HCH_3690MHz_RB_1_99_NTNV



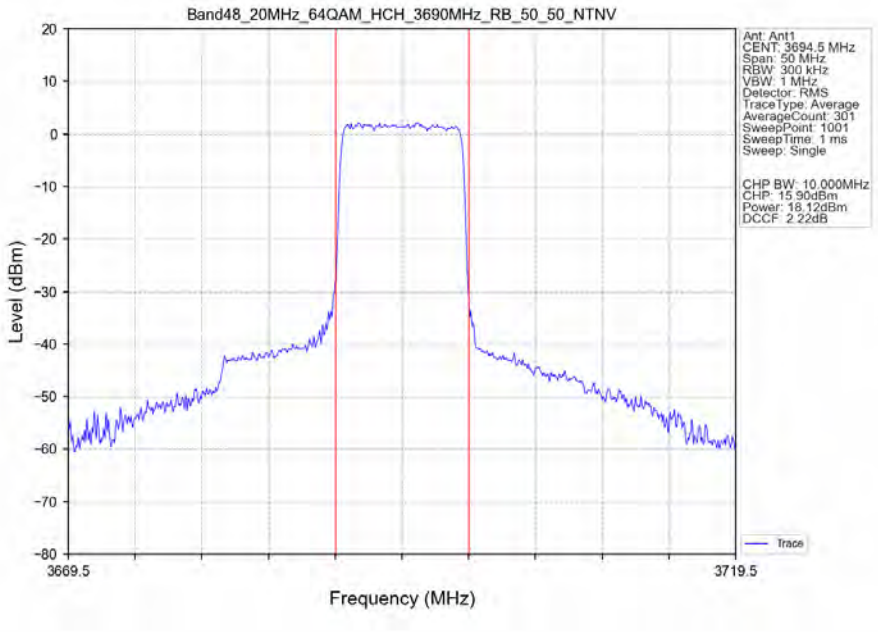
Band48_20MHz_64QAM_HCH_3690MHz_RB_50_0_NTNV



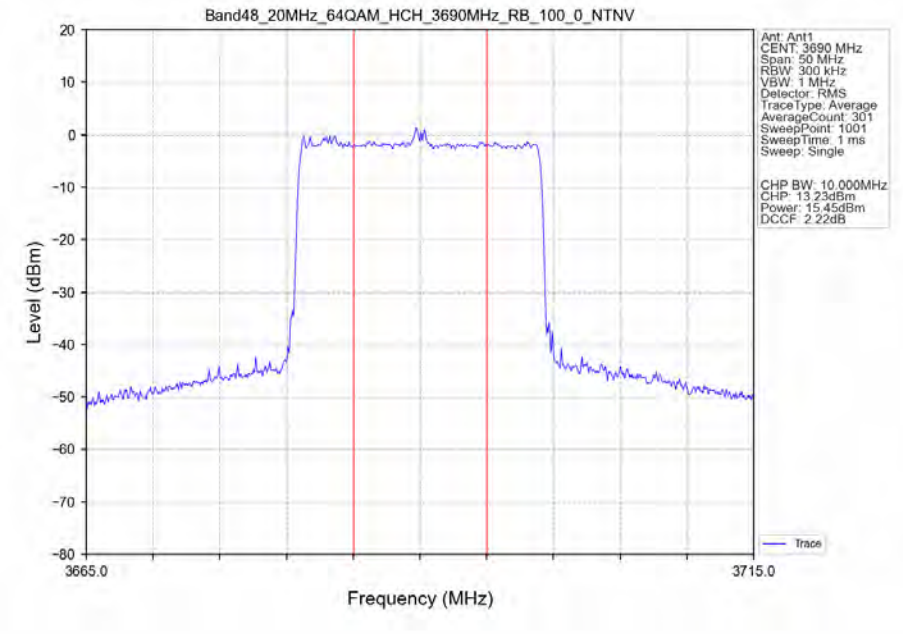
Band48_20MHz_64QAM_HCH_3690MHz_RB_50_25_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_50_50_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



2. Frequency Stability

2.1 Test Result

2.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	3.27	-4.148	-0.0012	-2.5 to 2.5	Pass
					3.60	-1.488	-0.0004	-2.5 to 2.5	Pass
					4.20	-0.916	-0.0003	-2.5 to 2.5	Pass
				-30	3.60	-1.659	-0.0005	-2.5 to 2.5	Pass
				-20	3.60	0.515	0.0001	-2.5 to 2.5	Pass
				-10	3.60	-0.358	-0.0001	-2.5 to 2.5	Pass
				0	3.60	-1.774	-0.0005	-2.5 to 2.5	Pass
				10	3.60	-2.460	-0.0007	-2.5 to 2.5	Pass
				30	3.60	-2.117	-0.0006	-2.5 to 2.5	Pass
				40	3.60	-4.020	-0.0011	-2.5 to 2.5	Pass
				50	3.60	-0.873	-0.0002	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	-5.336	-0.0015	-2.5 to 2.5	Pass
					3.60	-1.574	-0.0004	-2.5 to 2.5	Pass
					4.20	-5.121	-0.0014	-2.5 to 2.5	Pass
				-30	3.60	-1.216	-0.0003	-2.5 to 2.5	Pass
				-20	3.60	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.60	0.315	0.0001	-2.5 to 2.5	Pass
				0	3.60	-0.715	-0.0002	-2.5 to 2.5	Pass
				10	3.60	-4.048	-0.0011	-2.5 to 2.5	Pass
				30	3.60	-2.875	-0.0008	-2.5 to 2.5	Pass
				40	3.60	-1.316	-0.0004	-2.5 to 2.5	Pass

				50	3.60	-1.531	-0.0004	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	-2.618	-0.0007	-2.5 to 2.5	Pass
					3.60	-0.887	-0.0002	-2.5 to 2.5	Pass
					4.20	0.687	0.0002	-2.5 to 2.5	Pass
				-30	3.60	-2.646	-0.0007	-2.5 to 2.5	Pass
				-20	3.60	-3.719	-0.0010	-2.5 to 2.5	Pass
				-10	3.60	-2.031	-0.0005	-2.5 to 2.5	Pass
				0	3.60	-3.104	-0.0008	-2.5 to 2.5	Pass
				10	3.60	-1.431	-0.0004	-2.5 to 2.5	Pass
				30	3.60	1.845	0.0005	-2.5 to 2.5	Pass
				40	3.60	-0.472	-0.0001	-2.5 to 2.5	Pass
				50	3.60	-0.930	-0.0003	-2.5 to 2.5	Pass
16QAM	3552.5	25	0	20	3.27	-3.548	-0.0010	-2.5 to 2.5	Pass
					3.60	-3.390	-0.0010	-2.5 to 2.5	Pass
					4.20	-2.918	-0.0008	-2.5 to 2.5	Pass
				-30	3.60	-1.774	-0.0005	-2.5 to 2.5	Pass
				-20	3.60	-0.687	-0.0002	-2.5 to 2.5	Pass
				-10	3.60	-0.486	-0.0001	-2.5 to 2.5	Pass
				0	3.60	0.472	0.0001	-2.5 to 2.5	Pass
				10	3.60	-1.974	-0.0006	-2.5 to 2.5	Pass
				30	3.60	0.472	0.0001	-2.5 to 2.5	Pass
				40	3.60	-1.345	-0.0004	-2.5 to 2.5	Pass
				50	3.60	-2.604	-0.0007	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	-1.345	-0.0004	-2.5 to 2.5	Pass
					3.60	0.429	0.0001	-2.5 to 2.5	Pass
					4.20	-2.718	-0.0007	-2.5 to 2.5	Pass
				-30	3.60	-1.802	-0.0005	-2.5 to 2.5	Pass
				-20	3.60	0.658	0.0002	-2.5 to 2.5	Pass
				-10	3.60	0.615	0.0002	-2.5 to 2.5	Pass
				0	3.60	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.60	-3.791	-0.0010	-2.5 to 2.5	Pass
				30	3.60	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	3.60	-1.216	-0.0003	-2.5 to 2.5	Pass
				50	3.60	0.343	0.0001	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	-1.473	-0.0004	-2.5 to 2.5	Pass
					3.60	-0.601	-0.0002	-2.5 to 2.5	Pass
					4.20	-0.873	-0.0002	-2.5 to 2.5	Pass
				-30	3.60	-3.405	-0.0009	-2.5 to 2.5	Pass
				-20	3.60	0.615	0.0002	-2.5 to 2.5	Pass
				-10	3.60	0.844	0.0002	-2.5 to 2.5	Pass
				0	3.60	-0.472	-0.0001	-2.5 to 2.5	Pass
				10	3.60	-1.173	-0.0003	-2.5 to 2.5	Pass
				30	3.60	-0.157	0.0000	-2.5 to 2.5	Pass
				40	3.60	1.245	0.0003	-2.5 to 2.5	Pass
				50	3.60	-1.101	-0.0003	-2.5 to 2.5	Pass

1.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	3.27	-1.302	-0.0004	-2.5 to 2.5	Pass
					3.60	-3.633	-0.0010	-2.5 to 2.5	Pass
					4.20	-4.363	-0.0012	-2.5 to 2.5	Pass
				-30	3.60	-5.436	-0.0015	-2.5 to 2.5	Pass
				-20	3.60	-4.106	-0.0012	-2.5 to 2.5	Pass
				-10	3.60	-2.604	-0.0007	-2.5 to 2.5	Pass

				0	3.60	-1.917	-0.0005	-2.5 to 2.5	Pass
				10	3.60	-4.034	-0.0011	-2.5 to 2.5	Pass
				30	3.60	-0.672	-0.0002	-2.5 to 2.5	Pass
				40	3.60	-5.236	-0.0015	-2.5 to 2.5	Pass
				50	3.60	-5.035	-0.0014	-2.5 to 2.5	Pass
	3625	50	0	20	3.27	-4.277	-0.0012	-2.5 to 2.5	Pass
					3.60	-4.749	-0.0013	-2.5 to 2.5	Pass
					4.20	-3.562	-0.0010	-2.5 to 2.5	Pass
				-30	3.60	-1.903	-0.0005	-2.5 to 2.5	Pass
				-20	3.60	-0.744	-0.0002	-2.5 to 2.5	Pass
				-10	3.60	-2.160	-0.0006	-2.5 to 2.5	Pass
				0	3.60	-2.189	-0.0006	-2.5 to 2.5	Pass
				10	3.60	-5.980	-0.0016	-2.5 to 2.5	Pass
				30	3.60	-6.909	-0.0019	-2.5 to 2.5	Pass
				40	3.60	-6.037	-0.0017	-2.5 to 2.5	Pass
				50	3.60	-4.907	-0.0014	-2.5 to 2.5	Pass
	3695	50	0	20	3.27	-3.576	-0.0010	-2.5 to 2.5	Pass
					3.60	-3.090	-0.0008	-2.5 to 2.5	Pass
					4.20	-1.473	-0.0004	-2.5 to 2.5	Pass
				-30	3.60	-2.146	-0.0006	-2.5 to 2.5	Pass
				-20	3.60	-0.758	-0.0002	-2.5 to 2.5	Pass
				-10	3.60	-3.119	-0.0008	-2.5 to 2.5	Pass
				0	3.60	-5.364	-0.0015	-2.5 to 2.5	Pass
				10	3.60	-0.343	-0.0001	-2.5 to 2.5	Pass
				30	3.60	0.386	0.0001	-2.5 to 2.5	Pass
				40	3.60	-2.446	-0.0007	-2.5 to 2.5	Pass
				50	3.60	-1.702	-0.0005	-2.5 to 2.5	Pass
16QAM	3555	50	0	20	3.27	-4.606	-0.0013	-2.5 to 2.5	Pass
					3.60	-3.834	-0.0011	-2.5 to 2.5	Pass
					4.20	-3.076	-0.0009	-2.5 to 2.5	Pass
				-30	3.60	-4.463	-0.0013	-2.5 to 2.5	Pass
				-20	3.60	-3.805	-0.0011	-2.5 to 2.5	Pass
				-10	3.60	-4.363	-0.0012	-2.5 to 2.5	Pass
				0	3.60	-2.117	-0.0006	-2.5 to 2.5	Pass
				10	3.60	-0.672	-0.0002	-2.5 to 2.5	Pass
				30	3.60	-4.506	-0.0013	-2.5 to 2.5	Pass
				40	3.60	-3.033	-0.0009	-2.5 to 2.5	Pass
				50	3.60	-0.329	-0.0001	-2.5 to 2.5	Pass
	3625	50	0	20	3.27	-2.160	-0.0006	-2.5 to 2.5	Pass
					3.60	-0.887	-0.0002	-2.5 to 2.5	Pass
					4.20	-2.947	-0.0008	-2.5 to 2.5	Pass
				-30	3.60	-4.978	-0.0014	-2.5 to 2.5	Pass
				-20	3.60	-4.807	-0.0013	-2.5 to 2.5	Pass
				-10	3.60	-5.436	-0.0015	-2.5 to 2.5	Pass
				0	3.60	-0.429	-0.0001	-2.5 to 2.5	Pass
				10	3.60	-1.345	-0.0004	-2.5 to 2.5	Pass
				30	3.60	-2.990	-0.0008	-2.5 to 2.5	Pass
				40	3.60	-2.332	-0.0006	-2.5 to 2.5	Pass
				50	3.60	-3.076	-0.0008	-2.5 to 2.5	Pass
	3695	50	0	20	3.27	-0.801	-0.0002	-2.5 to 2.5	Pass
					3.60	-1.302	-0.0004	-2.5 to 2.5	Pass
					4.20	-1.559	-0.0004	-2.5 to 2.5	Pass
				-30	3.60	-5.479	-0.0015	-2.5 to 2.5	Pass
				-20	3.60	-4.334	-0.0012	-2.5 to 2.5	Pass
				-10	3.60	-2.975	-0.0008	-2.5 to 2.5	Pass
				0	3.60	-4.692	-0.0013	-2.5 to 2.5	Pass
				10	3.60	-3.605	-0.0010	-2.5 to 2.5	Pass
				30	3.60	-3.190	-0.0009	-2.5 to 2.5	Pass
				40	3.60	-1.888	-0.0005	-2.5 to 2.5	Pass

				50	3.60	-2.089	-0.0006	-2.5 to 2.5	Pass

2.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	3.27	-2.489	-0.0007	-2.5 to 2.5	Pass
					3.60	-0.801	-0.0002	-2.5 to 2.5	Pass
					4.20	-2.718	-0.0008	-2.5 to 2.5	Pass
				-30	3.60	-4.463	-0.0013	-2.5 to 2.5	Pass
				-20	3.60	-2.732	-0.0008	-2.5 to 2.5	Pass
				-10	3.60	-1.287	-0.0004	-2.5 to 2.5	Pass
				0	3.60	-3.819	-0.0011	-2.5 to 2.5	Pass
				10	3.60	-1.059	-0.0003	-2.5 to 2.5	Pass
				30	3.60	-2.046	-0.0006	-2.5 to 2.5	Pass
				40	3.60	-2.160	-0.0006	-2.5 to 2.5	Pass
				50	3.60	-1.988	-0.0006	-2.5 to 2.5	Pass
	3625	75	0	20	3.27	-2.532	-0.0007	-2.5 to 2.5	Pass
					3.60	-4.635	-0.0013	-2.5 to 2.5	Pass
					4.20	-5.021	-0.0014	-2.5 to 2.5	Pass
				-30	3.60	-3.405	-0.0009	-2.5 to 2.5	Pass
				-20	3.60	-4.091	-0.0011	-2.5 to 2.5	Pass
				-10	3.60	-6.065	-0.0017	-2.5 to 2.5	Pass
				0	3.60	-5.107	-0.0014	-2.5 to 2.5	Pass
				10	3.60	-3.762	-0.0010	-2.5 to 2.5	Pass
				30	3.60	-4.034	-0.0011	-2.5 to 2.5	Pass
				40	3.60	-3.276	-0.0009	-2.5 to 2.5	Pass
				50	3.60	-3.605	-0.0010	-2.5 to 2.5	Pass
	3692.5	75	0	20	3.27	-3.476	-0.0009	-2.5 to 2.5	Pass
					3.60	-2.875	-0.0008	-2.5 to 2.5	Pass
					4.20	-2.761	-0.0007	-2.5 to 2.5	Pass
				-30	3.60	-3.219	-0.0009	-2.5 to 2.5	Pass
				-20	3.60	-2.446	-0.0007	-2.5 to 2.5	Pass
				-10	3.60	0.429	0.0001	-2.5 to 2.5	Pass
				0	3.60	-0.558	-0.0002	-2.5 to 2.5	Pass
				10	3.60	-2.832	-0.0008	-2.5 to 2.5	Pass
				30	3.60	-2.546	-0.0007	-2.5 to 2.5	Pass
				40	3.60	-1.974	-0.0005	-2.5 to 2.5	Pass
				50	3.60	-3.247	-0.0009	-2.5 to 2.5	Pass
16QAM	3557.5	75	0	20	3.27	-5.107	-0.0014	-2.5 to 2.5	Pass
					3.60	0.501	0.0001	-2.5 to 2.5	Pass
					4.20	0.200	0.0001	-2.5 to 2.5	Pass
				-30	3.60	-2.990	-0.0008	-2.5 to 2.5	Pass
				-20	3.60	-3.419	-0.0010	-2.5 to 2.5	Pass
				-10	3.60	-1.016	-0.0003	-2.5 to 2.5	Pass
				0	3.60	-1.917	-0.0005	-2.5 to 2.5	Pass
				10	3.60	-4.449	-0.0013	-2.5 to 2.5	Pass
				30	3.60	-2.174	-0.0006	-2.5 to 2.5	Pass
				40	3.60	-5.665	-0.0016	-2.5 to 2.5	Pass
				50	3.60	-1.616	-0.0005	-2.5 to 2.5	Pass
	3625	75	0	20	3.27	-3.948	-0.0011	-2.5 to 2.5	Pass
					3.60	-3.748	-0.0010	-2.5 to 2.5	Pass
					4.20	-2.489	-0.0007	-2.5 to 2.5	Pass
				-30	3.60	-4.220	-0.0012	-2.5 to 2.5	Pass
				-20	3.60	0.186	0.0001	-2.5 to 2.5	Pass
				-10	3.60	-0.830	-0.0002	-2.5 to 2.5	Pass

				0	3.60	-2.704	-0.0007	-2.5 to 2.5	Pass
				10	3.60	-2.074	-0.0006	-2.5 to 2.5	Pass
				30	3.60	-2.604	-0.0007	-2.5 to 2.5	Pass
				40	3.60	-3.748	-0.0010	-2.5 to 2.5	Pass
				50	3.60	-3.233	-0.0009	-2.5 to 2.5	Pass
	3692.5	75	0	20	3.27	-1.616	-0.0004	-2.5 to 2.5	Pass
					3.60	-3.076	-0.0008	-2.5 to 2.5	Pass
					4.20	-1.431	-0.0004	-2.5 to 2.5	Pass
				-30	3.60	-2.217	-0.0006	-2.5 to 2.5	Pass
				-20	3.60	-1.688	-0.0005	-2.5 to 2.5	Pass
				-10	3.60	0.772	0.0002	-2.5 to 2.5	Pass
				0	3.60	-3.462	-0.0009	-2.5 to 2.5	Pass
				10	3.60	-3.662	-0.0010	-2.5 to 2.5	Pass
				30	3.60	-3.347	-0.0009	-2.5 to 2.5	Pass
				40	3.60	-5.121	-0.0014	-2.5 to 2.5	Pass
				50	3.60	-4.277	-0.0012	-2.5 to 2.5	Pass

1.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	3.27	-4.234	-0.0012	-2.5 to 2.5	Pass
					3.60	-1.473	-0.0004	-2.5 to 2.5	Pass
					4.20	-5.164	-0.0015	-2.5 to 2.5	Pass
				-30	3.60	-4.935	-0.0014	-2.5 to 2.5	Pass
				-20	3.60	-2.346	-0.0007	-2.5 to 2.5	Pass
				-10	3.60	-0.443	-0.0001	-2.5 to 2.5	Pass
				0	3.60	-0.901	-0.0003	-2.5 to 2.5	Pass
				10	3.60	-2.160	-0.0006	-2.5 to 2.5	Pass
				30	3.60	-3.390	-0.0010	-2.5 to 2.5	Pass
				40	3.60	-1.988	-0.0006	-2.5 to 2.5	Pass
				50	3.60	-5.865	-0.0016	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-4.306	-0.0012	-2.5 to 2.5	Pass
					3.60	-3.490	-0.0010	-2.5 to 2.5	Pass
					4.20	0.272	0.0001	-2.5 to 2.5	Pass
				-30	3.60	-5.264	-0.0015	-2.5 to 2.5	Pass
				-20	3.60	-5.021	-0.0014	-2.5 to 2.5	Pass
				-10	3.60	-4.892	-0.0013	-2.5 to 2.5	Pass
				0	3.60	-1.445	-0.0004	-2.5 to 2.5	Pass
				10	3.60	-1.588	-0.0004	-2.5 to 2.5	Pass
				30	3.60	-5.450	-0.0015	-2.5 to 2.5	Pass
				40	3.60	-6.924	-0.0019	-2.5 to 2.5	Pass
				50	3.60	-2.947	-0.0008	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-3.519	-0.0010	-2.5 to 2.5	Pass
					3.60	-3.405	-0.0009	-2.5 to 2.5	Pass
					4.20	-0.944	-0.0003	-2.5 to 2.5	Pass
				-30	3.60	-5.465	-0.0015	-2.5 to 2.5	Pass
				-20	3.60	-5.736	-0.0016	-2.5 to 2.5	Pass
				-10	3.60	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.60	-1.860	-0.0005	-2.5 to 2.5	Pass
				10	3.60	-2.947	-0.0008	-2.5 to 2.5	Pass
				30	3.60	-1.330	-0.0004	-2.5 to 2.5	Pass
				40	3.60	-3.562	-0.0010	-2.5 to 2.5	Pass
				50	3.60	0.200	0.0001	-2.5 to 2.5	Pass
16QAM	3560	100	0	20	3.27	-2.890	-0.0008	-2.5 to 2.5	Pass
					3.60	-2.460	-0.0007	-2.5 to 2.5	Pass

					4.20	-3.076	-0.0009	-2.5 to 2.5	Pass
				-30	3.60	-4.821	-0.0014	-2.5 to 2.5	Pass
				-20	3.60	-6.194	-0.0017	-2.5 to 2.5	Pass
				-10	3.60	-1.602	-0.0005	-2.5 to 2.5	Pass
				0	3.60	-7.010	-0.0020	-2.5 to 2.5	Pass
				10	3.60	-5.264	-0.0015	-2.5 to 2.5	Pass
				30	3.60	-4.735	-0.0013	-2.5 to 2.5	Pass
				40	3.60	-4.163	-0.0012	-2.5 to 2.5	Pass
				50	3.60	-3.920	-0.0011	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-5.064	-0.0014	-2.5 to 2.5	Pass
					3.60	-3.304	-0.0009	-2.5 to 2.5	Pass
					4.20	-5.465	-0.0015	-2.5 to 2.5	Pass
				-30	3.60	-2.131	-0.0006	-2.5 to 2.5	Pass
				-20	3.60	-2.990	-0.0008	-2.5 to 2.5	Pass
				-10	3.60	-2.532	-0.0007	-2.5 to 2.5	Pass
				0	3.60	-2.718	-0.0007	-2.5 to 2.5	Pass
				10	3.60	-2.675	-0.0007	-2.5 to 2.5	Pass
				30	3.60	-4.106	-0.0011	-2.5 to 2.5	Pass
				40	3.60	-1.988	-0.0005	-2.5 to 2.5	Pass
				50	3.60	-2.489	-0.0007	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-0.587	-0.0002	-2.5 to 2.5	Pass
					3.60	-4.034	-0.0011	-2.5 to 2.5	Pass
					4.20	-4.320	-0.0012	-2.5 to 2.5	Pass
				-30	3.60	-2.117	-0.0006	-2.5 to 2.5	Pass
				-20	3.60	-5.121	-0.0014	-2.5 to 2.5	Pass
				-10	3.60	-2.003	-0.0005	-2.5 to 2.5	Pass
				0	3.60	-3.176	-0.0009	-2.5 to 2.5	Pass
				10	3.60	-1.073	-0.0003	-2.5 to 2.5	Pass
				30	3.60	-0.687	-0.0002	-2.5 to 2.5	Pass
				40	3.60	-2.990	-0.0008	-2.5 to 2.5	Pass
				50	3.60	-3.462	-0.0009	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band48_OBW

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.546	/	Pass
		3625	25	0	4.540	/	Pass
		3697.5	25	0	4.540	/	Pass
	16QAM	3552.5	25	0	4.542	/	Pass
		3625	25	0	4.524	/	Pass
		3697.5	25	0	4.501	/	Pass
	64QAM	3552.5	25	0	4.553	/	Pass
		3625	25	0	4.550	/	Pass
		3697.5	25	0	4.542	/	Pass
10	QPSK	3555	50	0	9.077	/	Pass
		3625	50	0	9.021	/	Pass
		3695	50	0	9.084	/	Pass
	16QAM	3555	50	0	9.096	/	Pass
		3625	50	0	9.024	/	Pass
		3695	50	0	8.977	/	Pass

	64QAM	3555	50	0	9.085	/	Pass
		3625	50	0	9.053	/	Pass
		3695	50	0	9.005	/	Pass
15	QPSK	3557.5	75	0	13.571	/	Pass
		3625	75	0	13.515	/	Pass
		3692.5	75	0	13.484	/	Pass
	16QAM	3557.5	75	0	13.618	/	Pass
		3625	75	0	13.623	/	Pass
		3692.5	75	0	13.469	/	Pass
	64QAM	3557.5	75	0	13.566	/	Pass
		3625	75	0	13.581	/	Pass
		3692.5	75	0	13.554	/	Pass
20	QPSK	3560	100	0	18.100	/	Pass
		3625	100	0	18.045	/	Pass
		3690	100	0	18.033	/	Pass
	16QAM	3560	100	0	18.122	/	Pass
		3625	100	0	18.008	/	Pass
		3690	100	0	18.006	/	Pass
	64QAM	3560	100	0	18.065	/	Pass
		3625	100	0	17.972	/	Pass
		3690	100	0	18.037	/	Pass

3.1.2 Band48_XDB

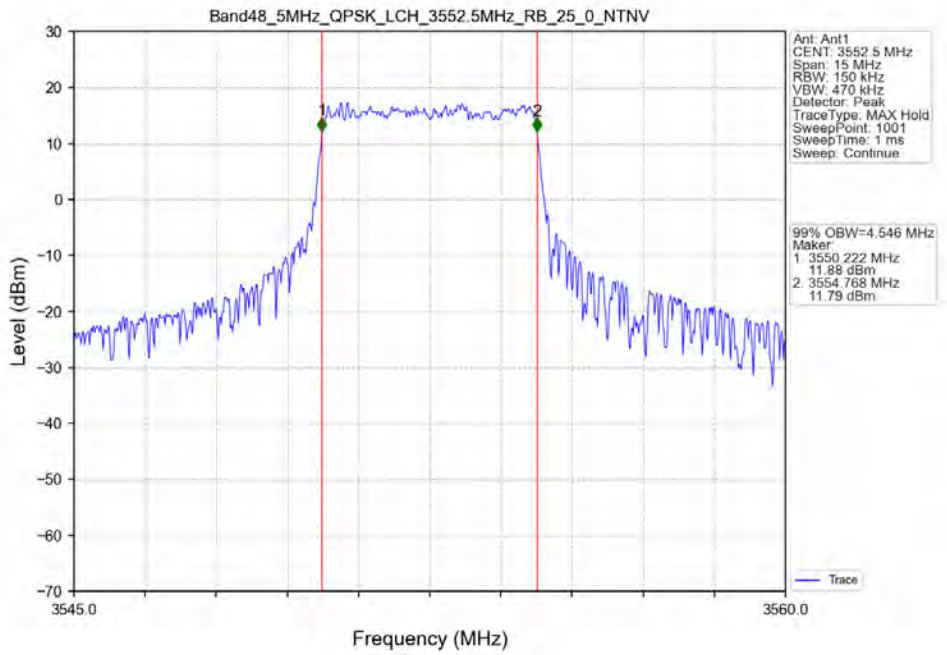
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.703	/	Pass
		3625	25	0	4.854	/	Pass
		3697.5	25	0	4.824	/	Pass
	16QAM	3552.5	25	0	5.369	/	Pass
		3625	25	0	4.875	/	Pass
		3697.5	25	0	4.931	/	Pass
	64QAM	3552.5	25	0	5.237	/	Pass
		3625	25	0	4.882	/	Pass
		3697.5	25	0	4.857	/	Pass
10	QPSK	3555	50	0	10.871	/	Pass
		3625	50	0	9.858	/	Pass
		3695	50	0	9.784	/	Pass
	16QAM	3555	50	0	11.426	/	Pass
		3625	50	0	9.659	/	Pass
		3695	50	0	9.627	/	Pass
	64QAM	3555	50	0	10.515	/	Pass
		3625	50	0	9.843	/	Pass
		3695	50	0	9.890	/	Pass
15	QPSK	3557.5	75	0	15.441	/	Pass
		3625	75	0	14.876	/	Pass
		3692.5	75	0	14.539	/	Pass
	16QAM	3557.5	75	0	16.404	/	Pass
		3625	75	0	14.506	/	Pass
		3692.5	75	0	14.535	/	Pass
	64QAM	3557.5	75	0	15.271	/	Pass
		3625	75	0	14.576	/	Pass
		3692.5	75	0	14.724	/	Pass
20	QPSK	3560	100	0	20.456	/	Pass
		3625	100	0	19.392	/	Pass
		3690	100	0	19.236	/	Pass

	16QAM	3560	100	0	20.599	/	Pass
		3625	100	0	19.323	/	Pass
		3690	100	0	19.420	/	Pass
	64QAM	3560	100	0	21.482	/	Pass
		3625	100	0	19.407	/	Pass
		3690	100	0	19.541	/	Pass

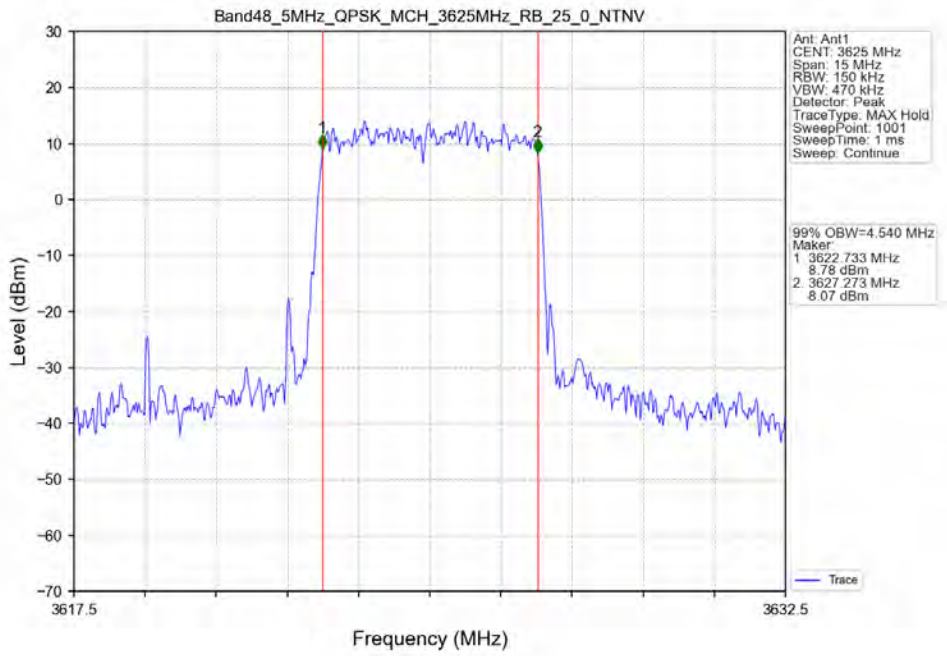
3.2 Test Graph

3.2.1 Band48_OBW

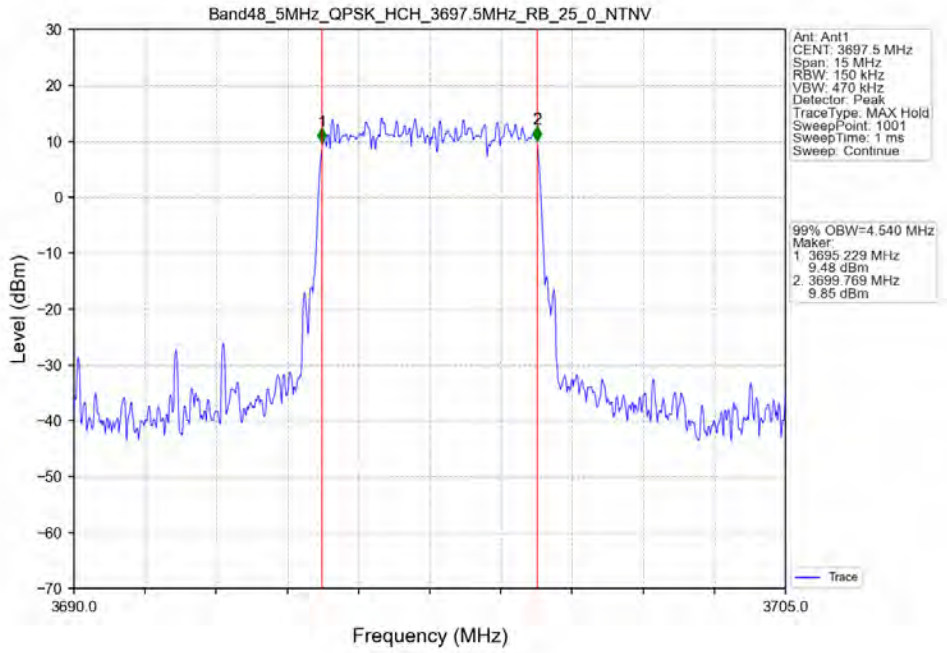
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



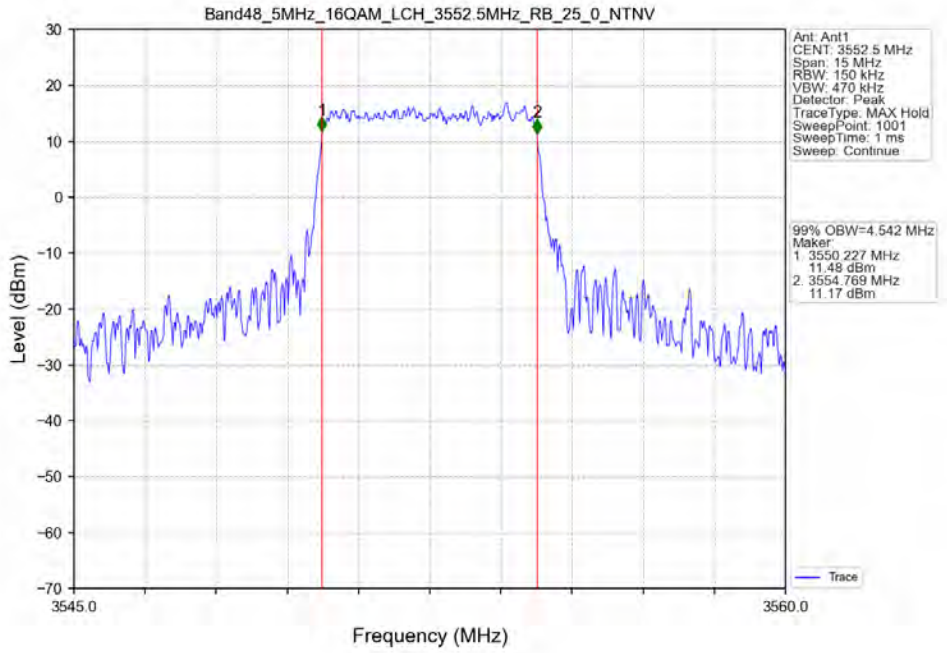
Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



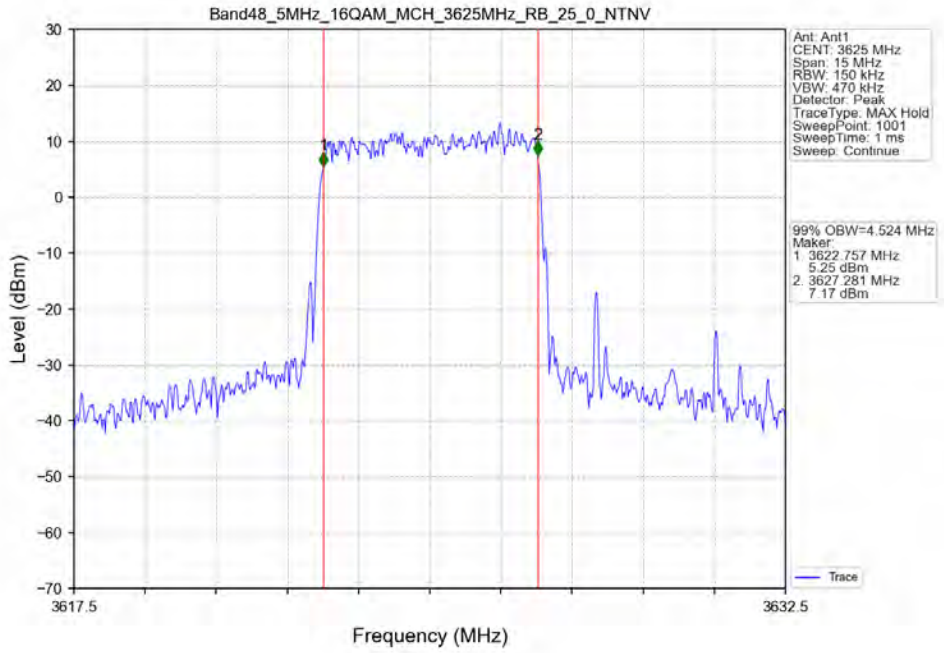
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



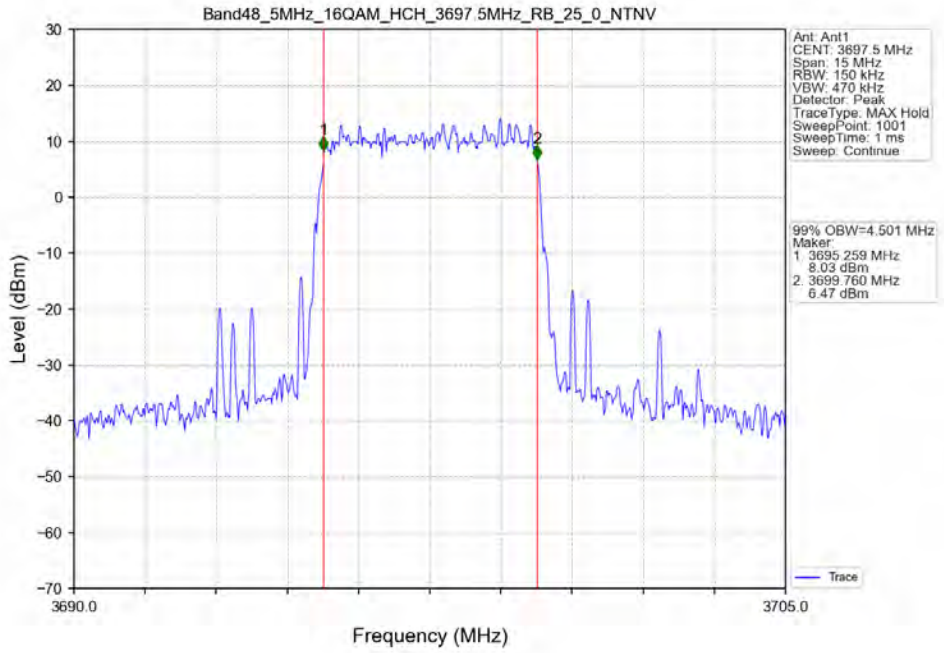
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



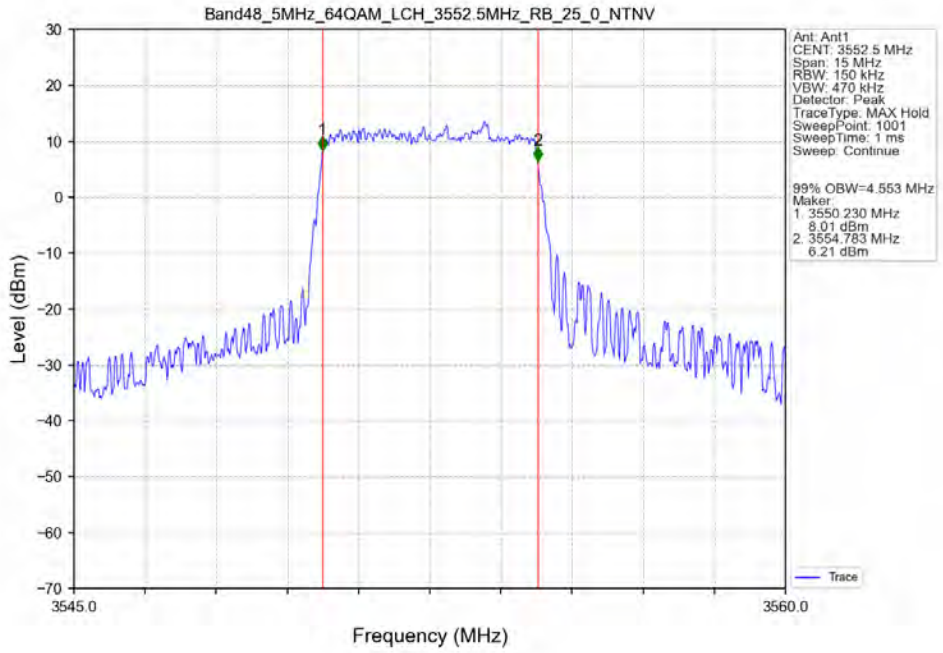
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



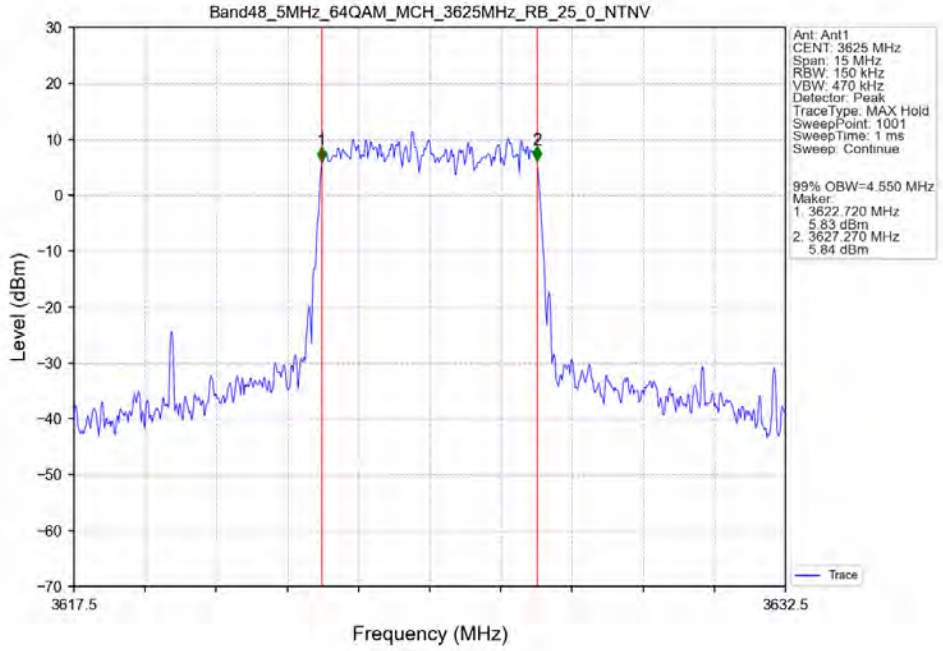
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



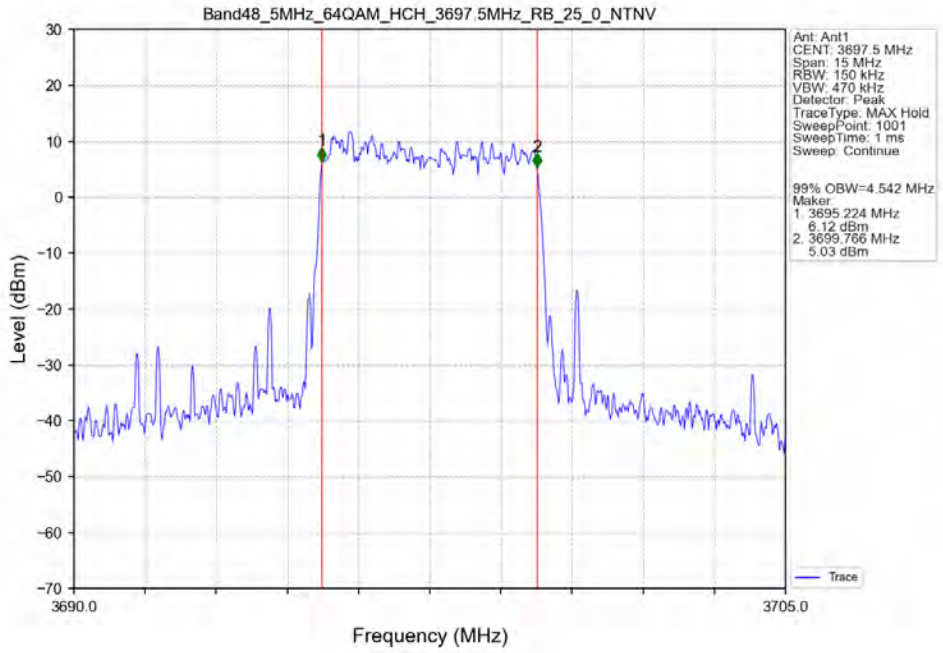
Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



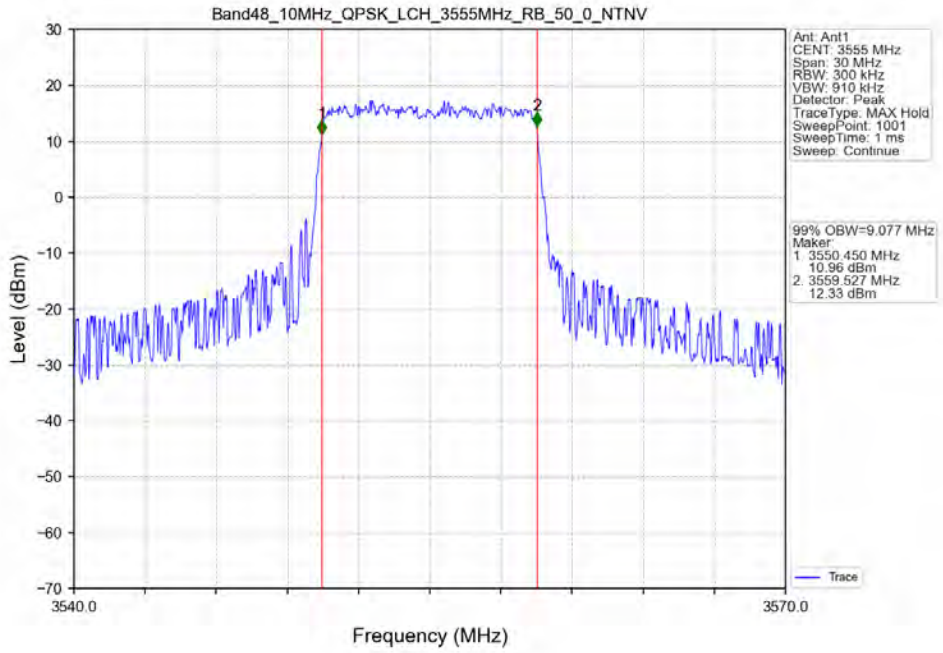
Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV



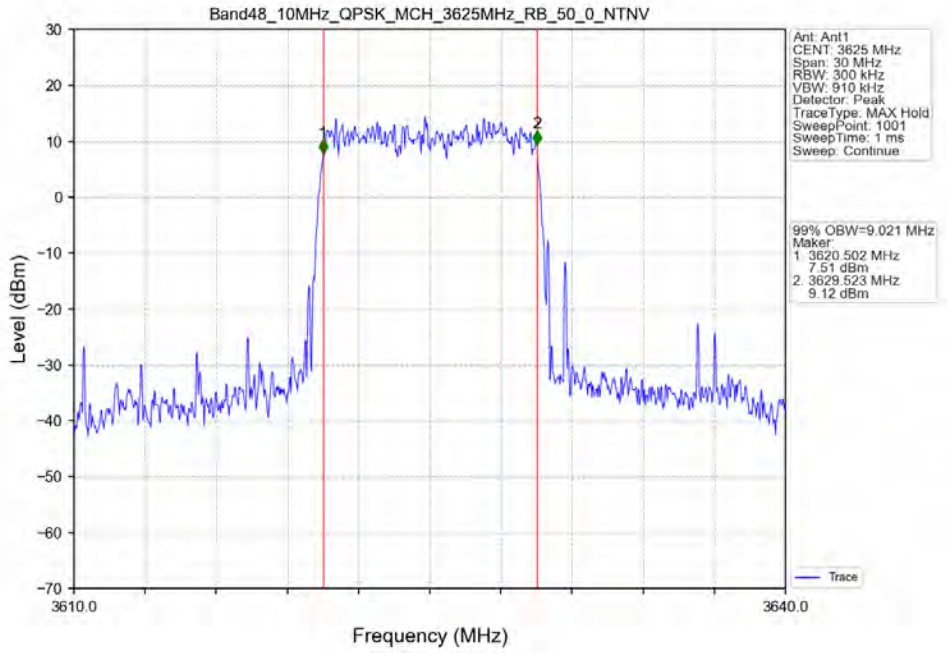
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



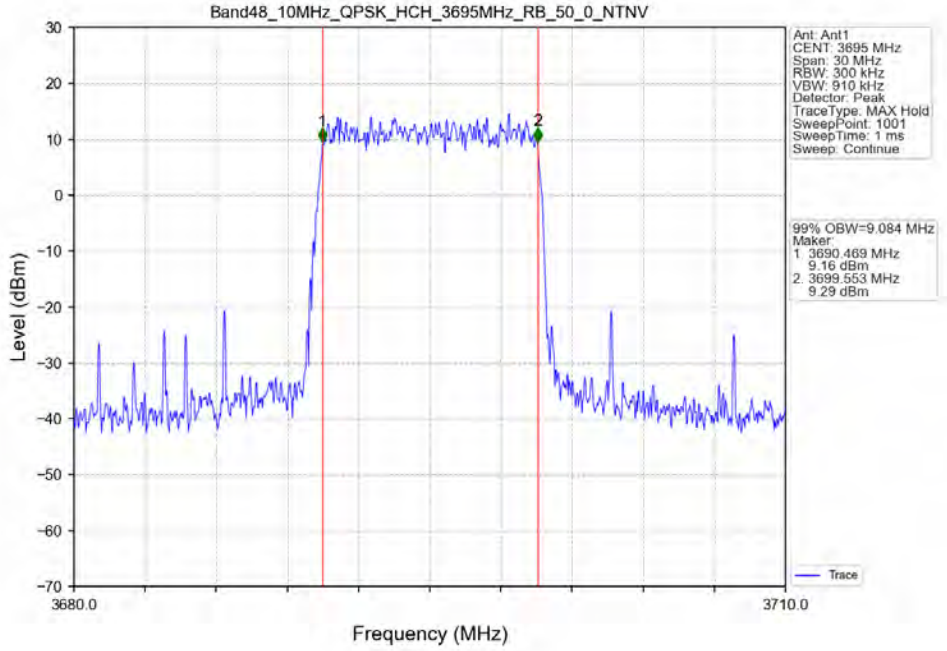
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



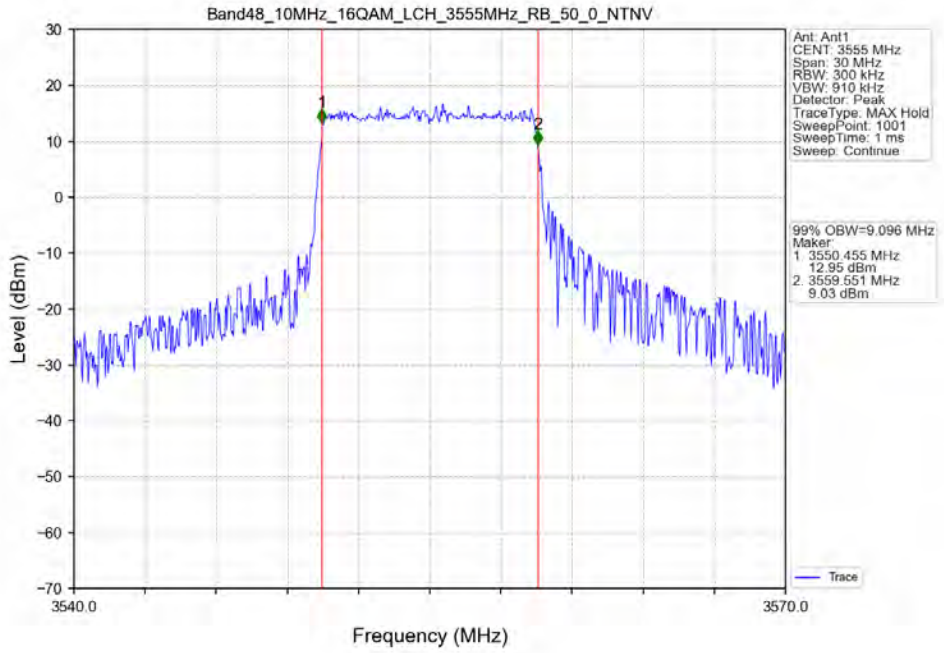
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



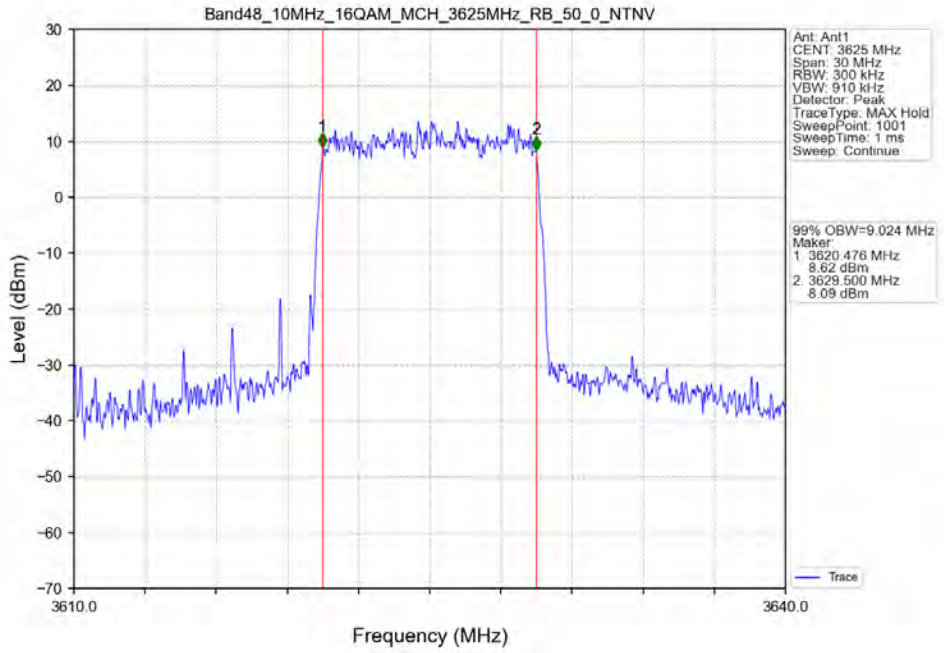
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



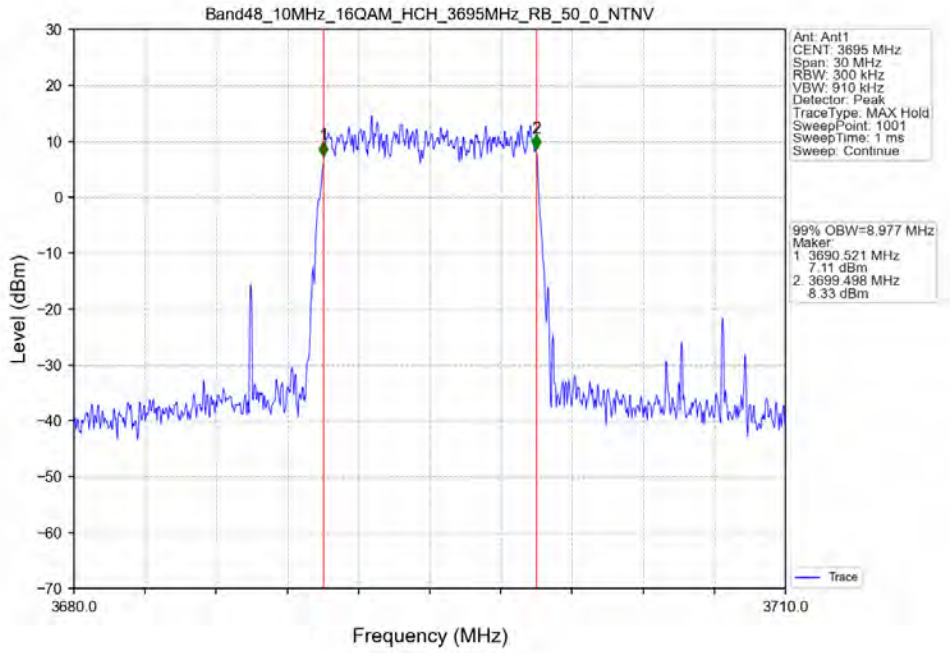
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



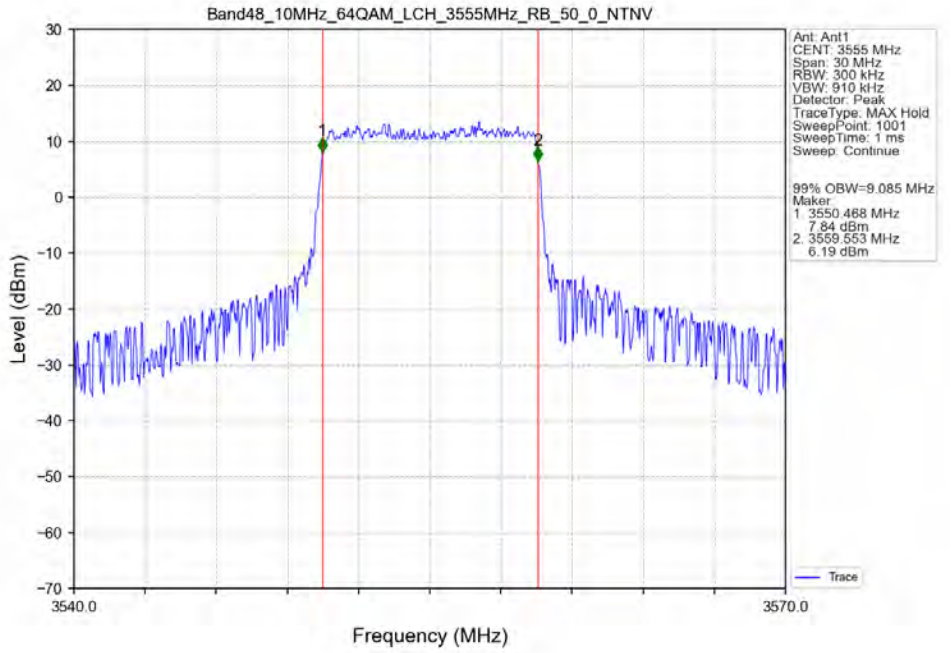
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



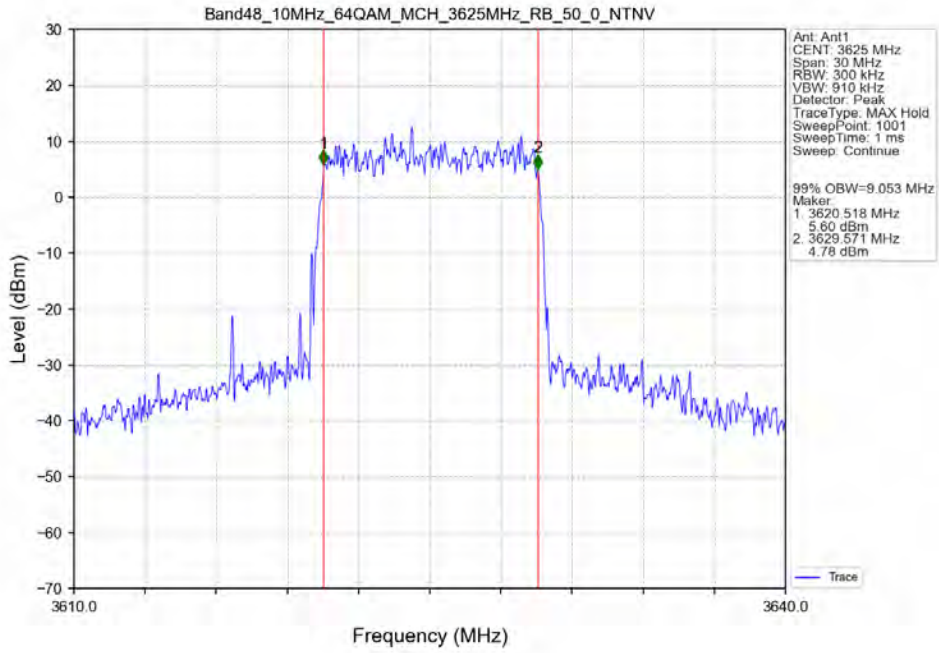
Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



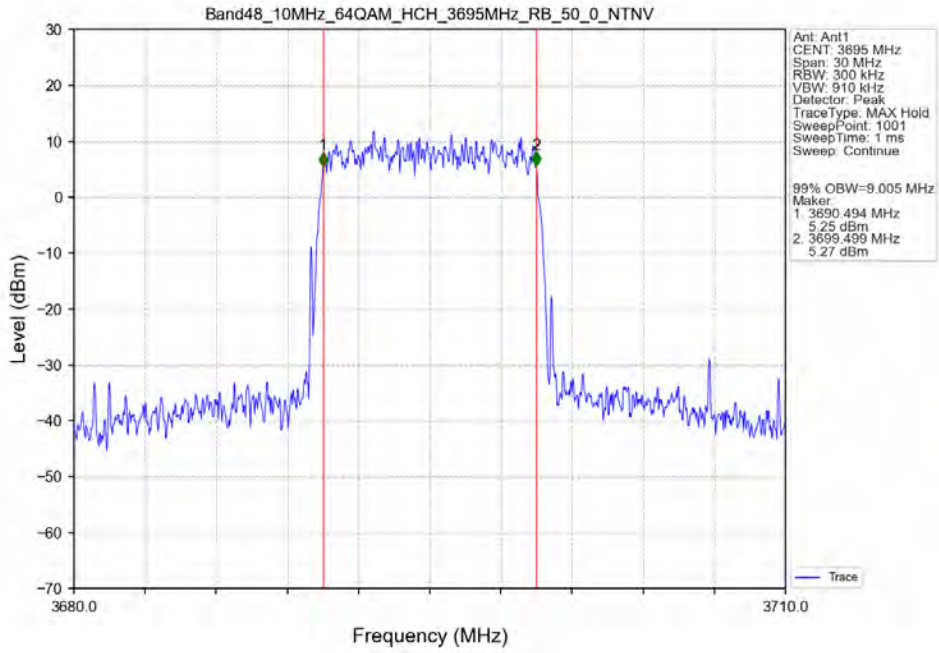
Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



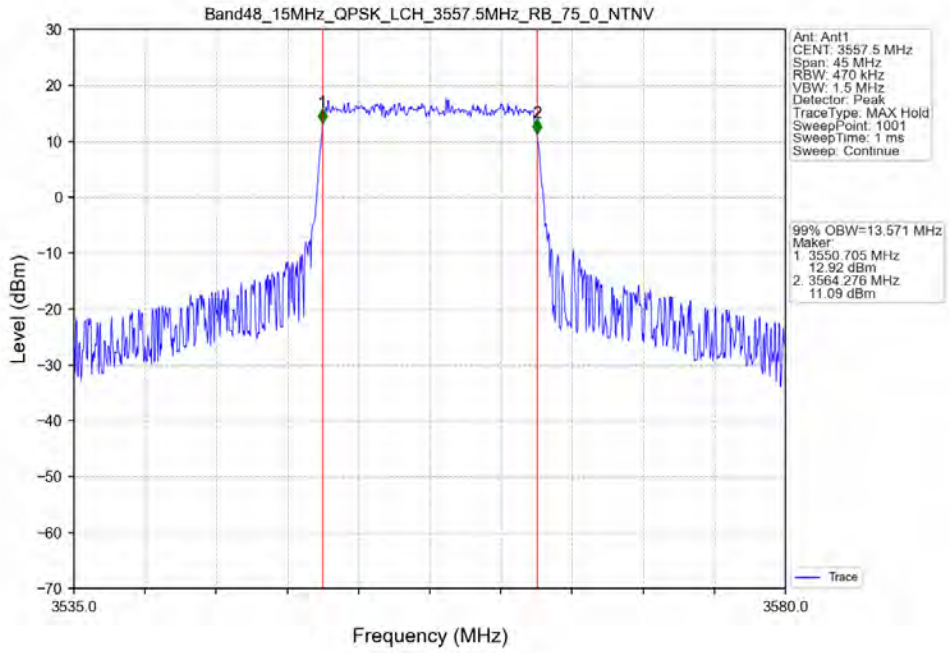
Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



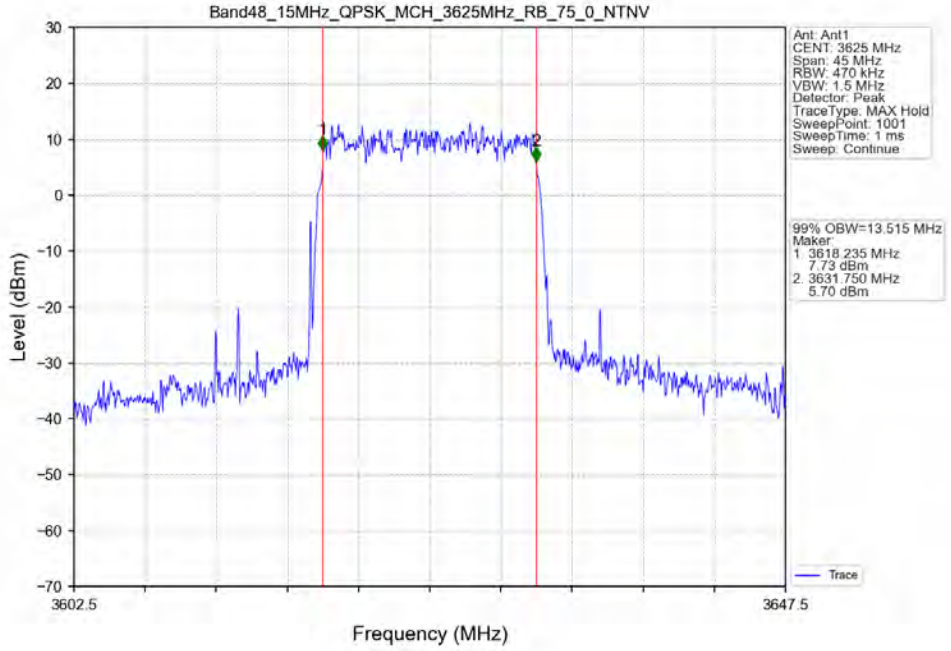
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



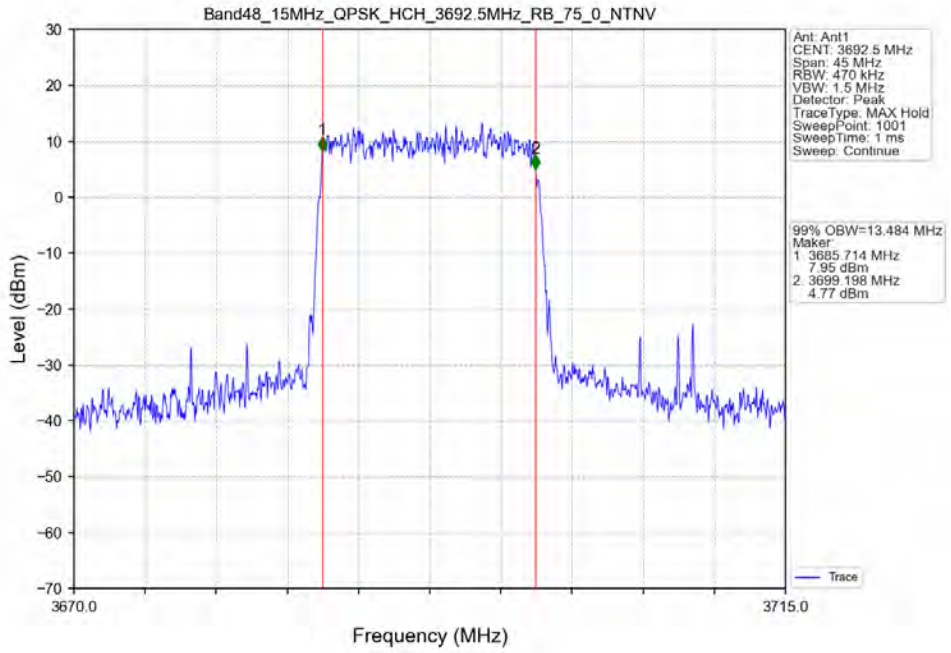
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



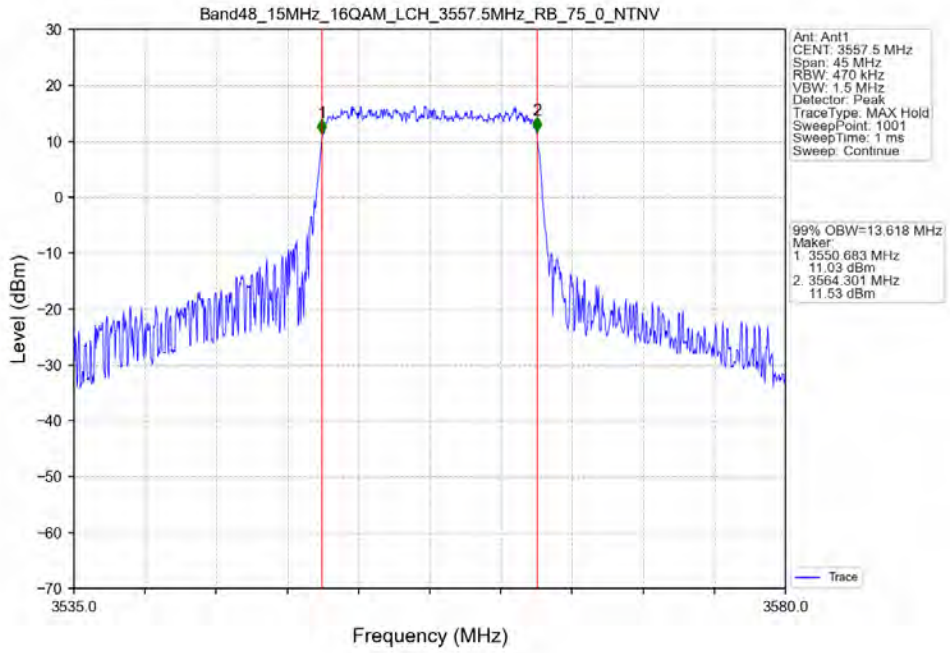
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



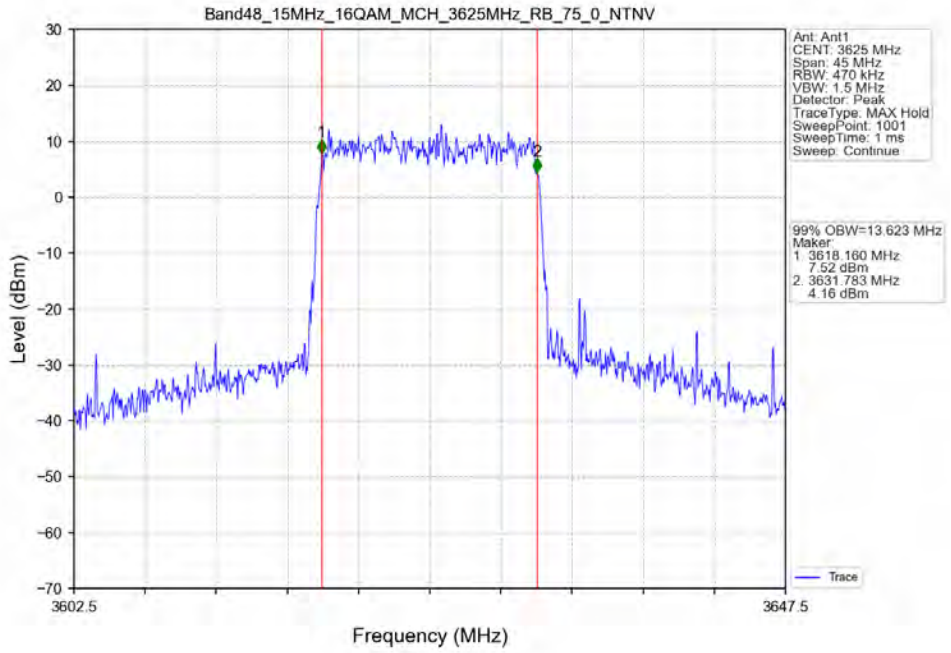
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



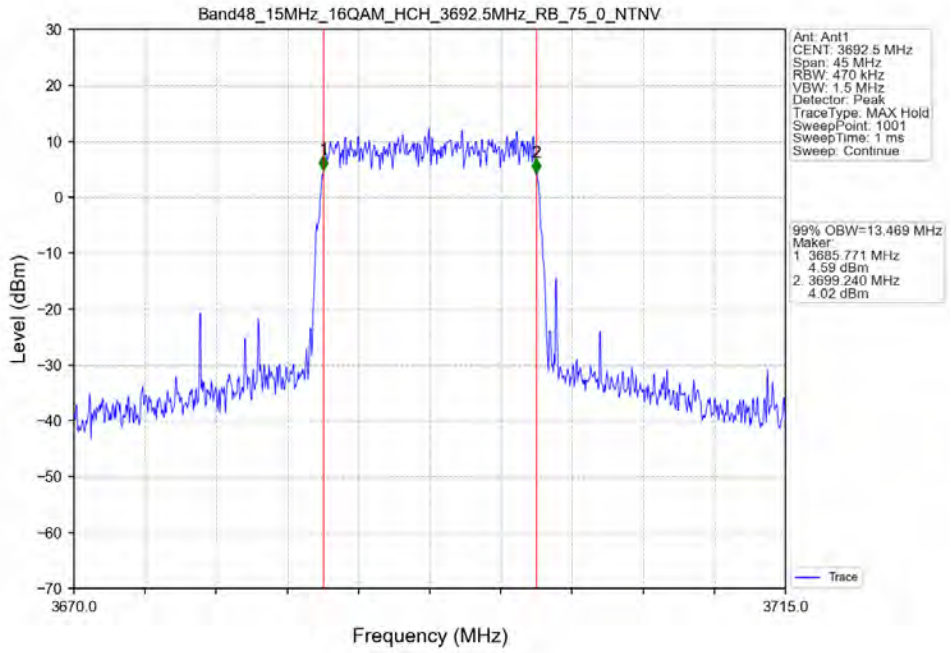
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



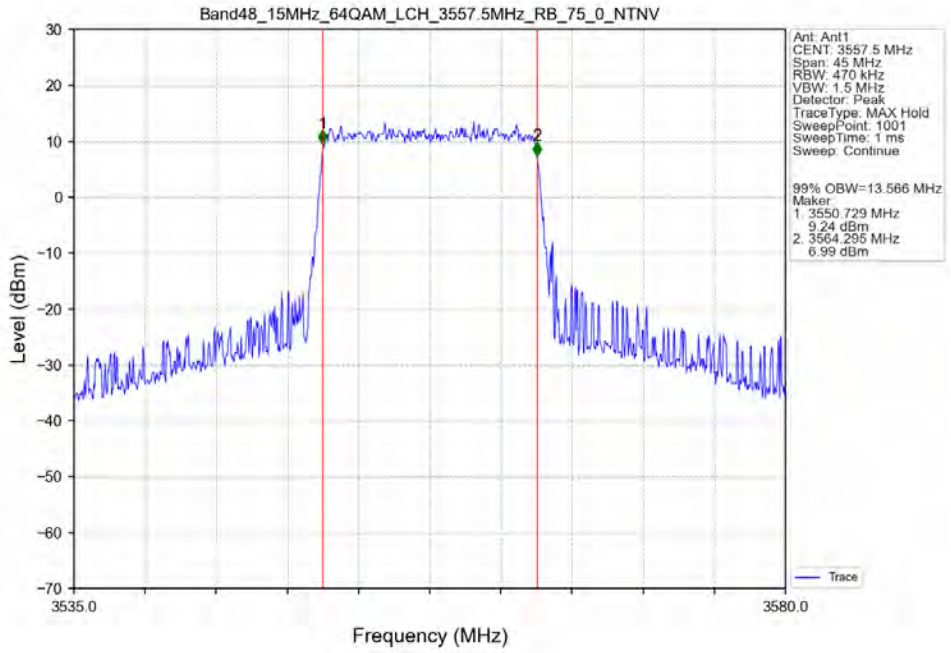
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



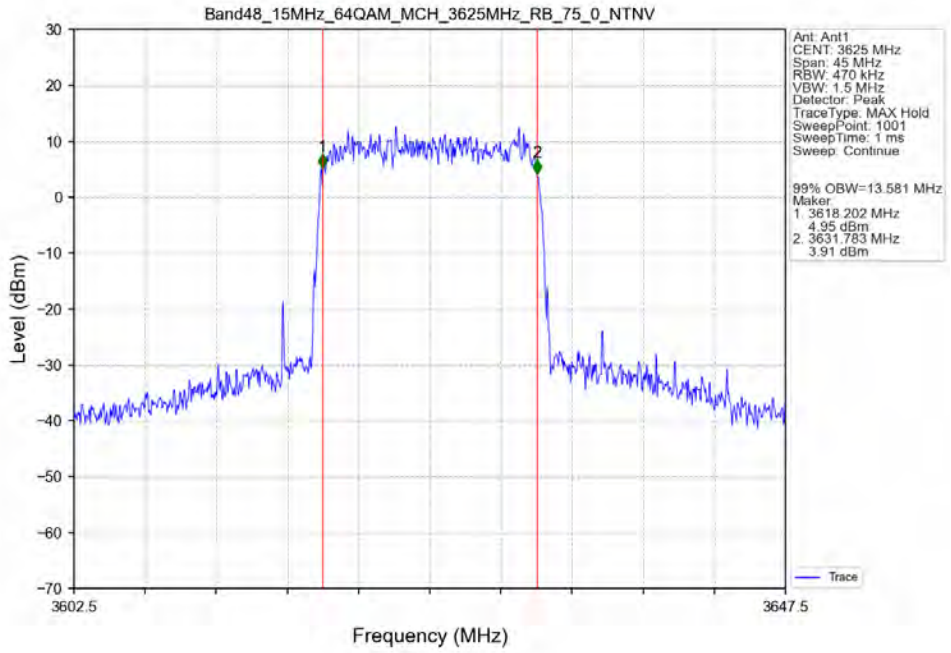
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



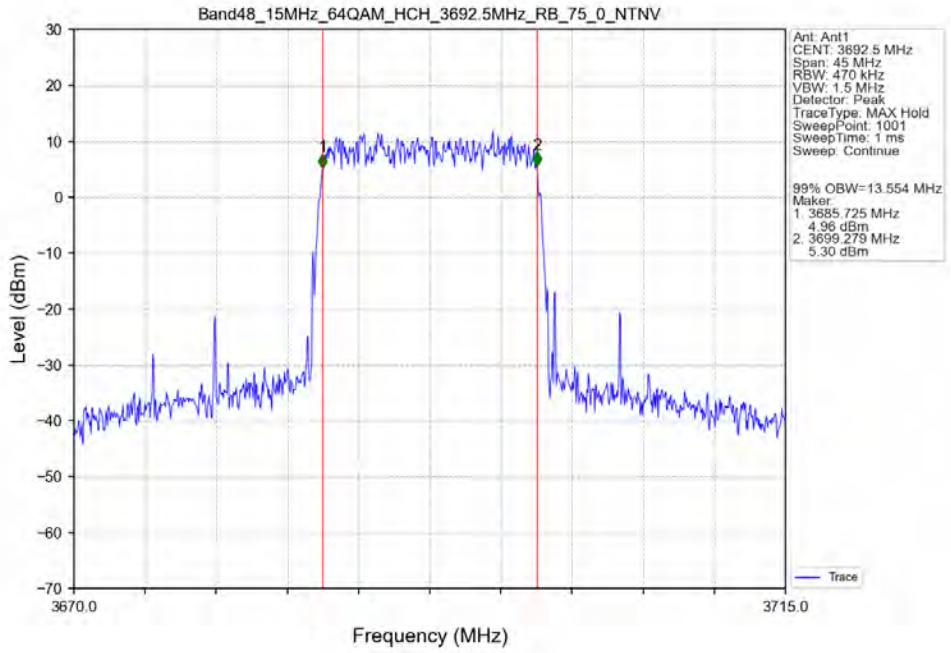
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



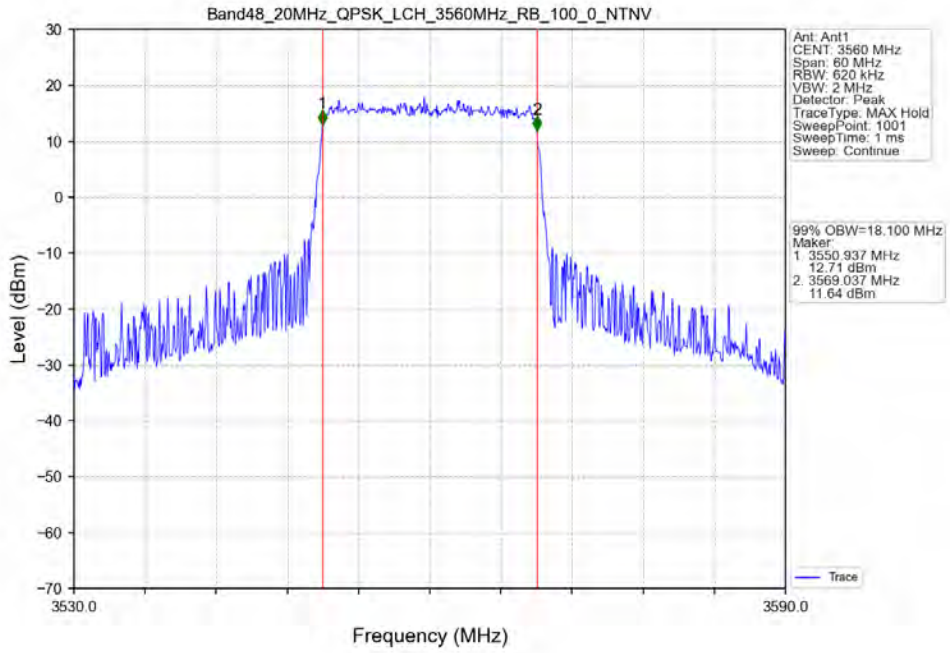
Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



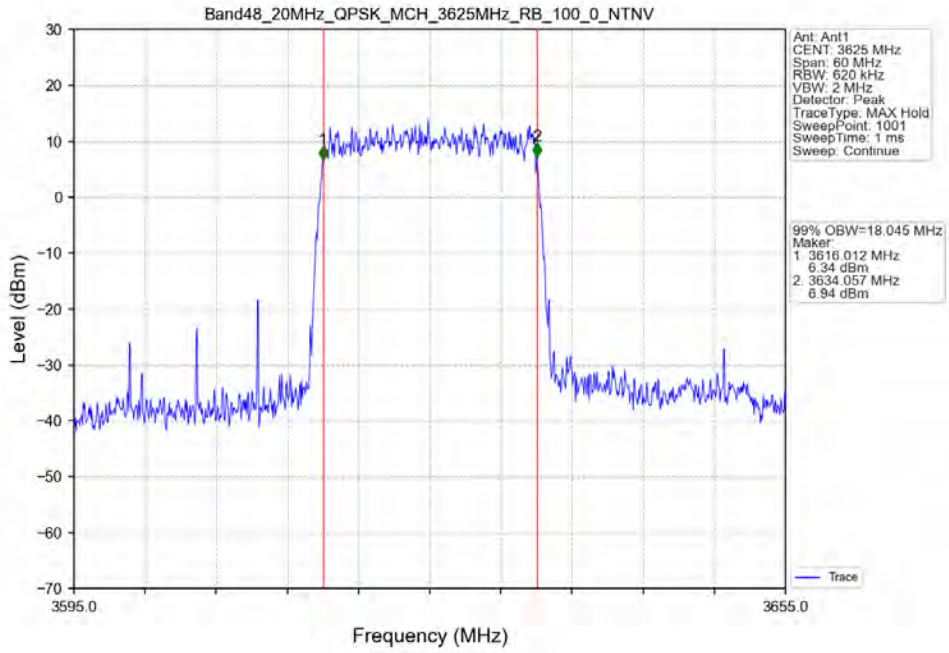
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



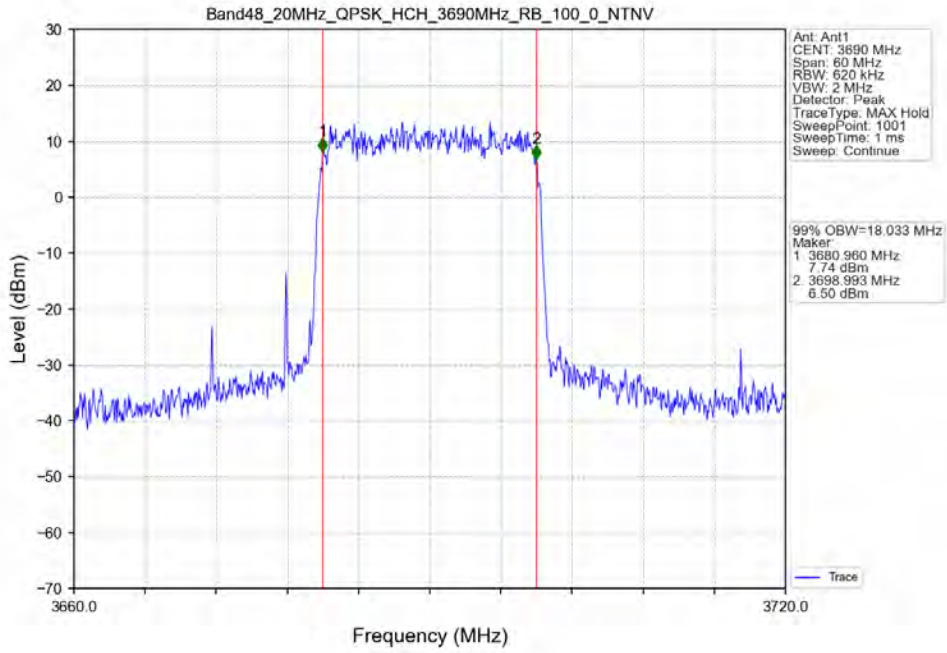
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



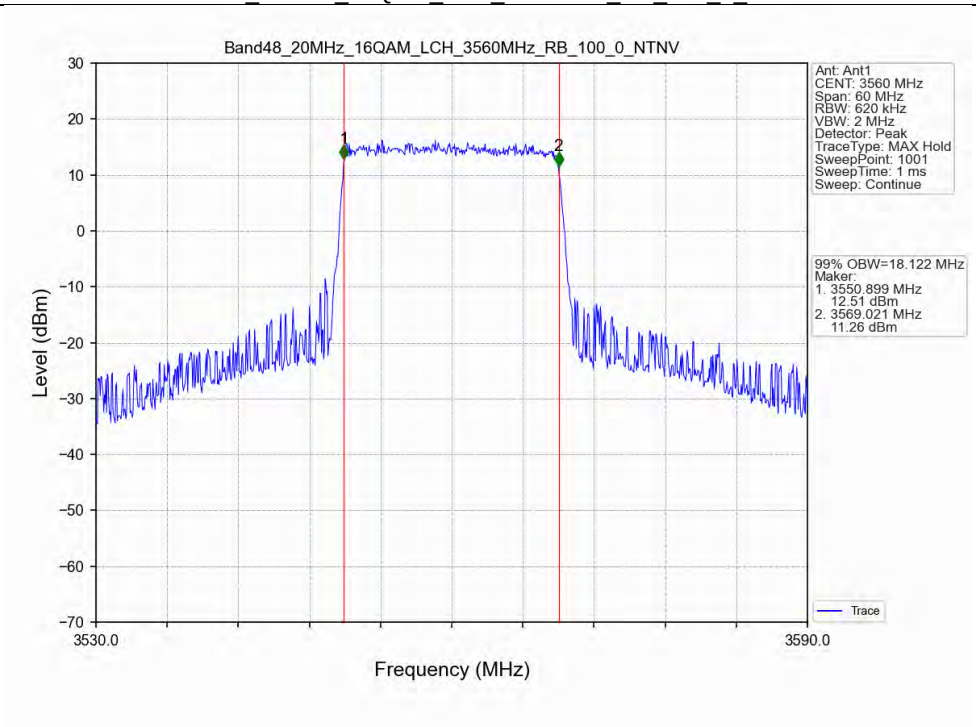
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



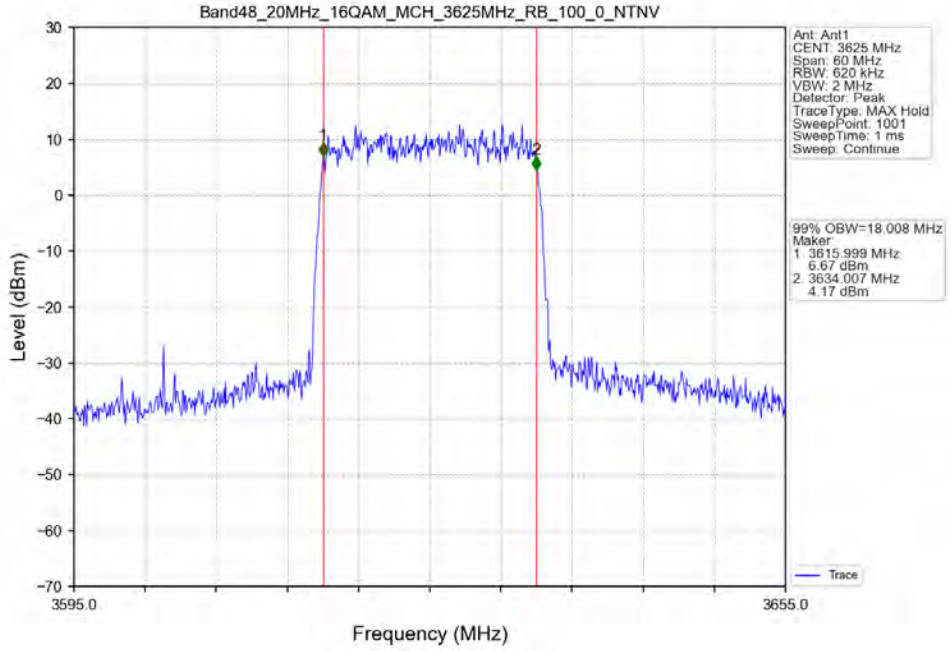
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



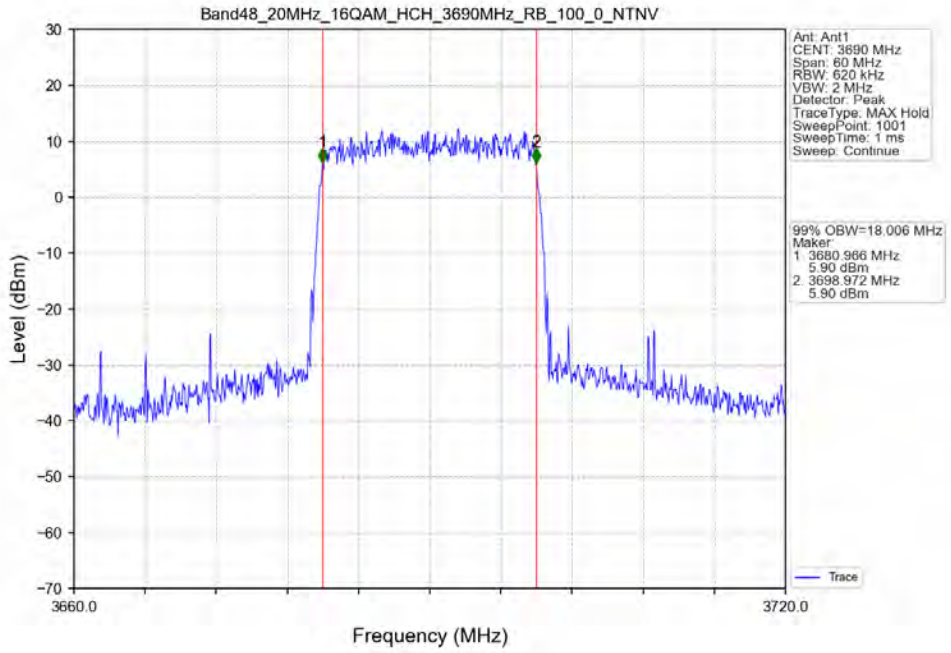
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



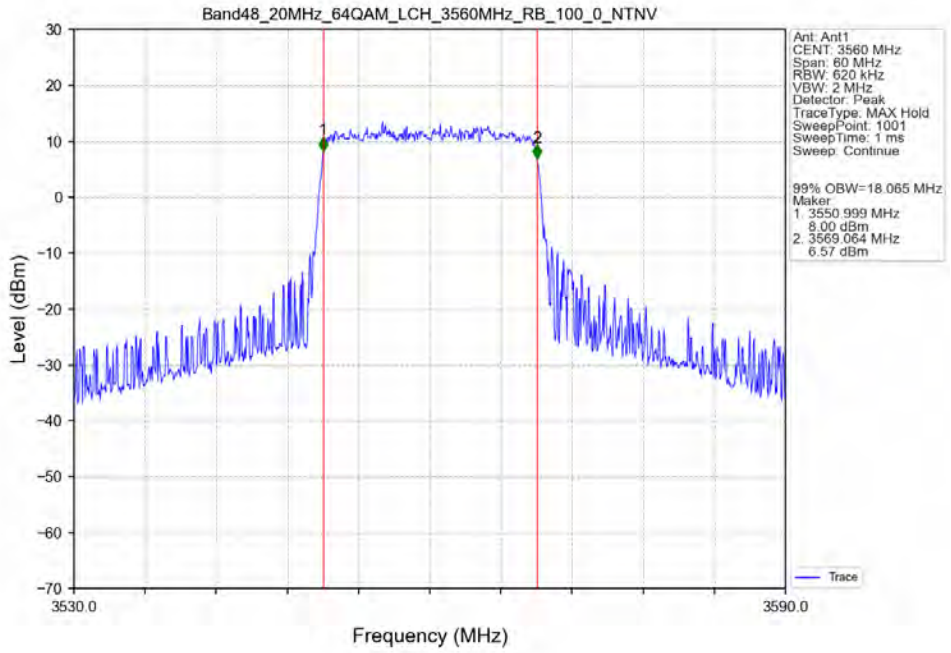
Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



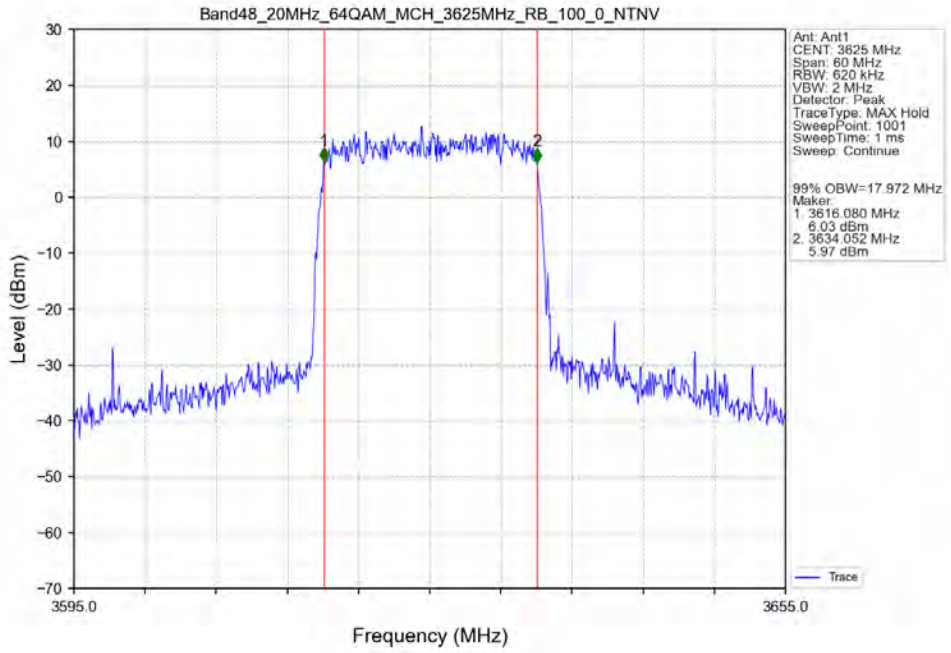
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



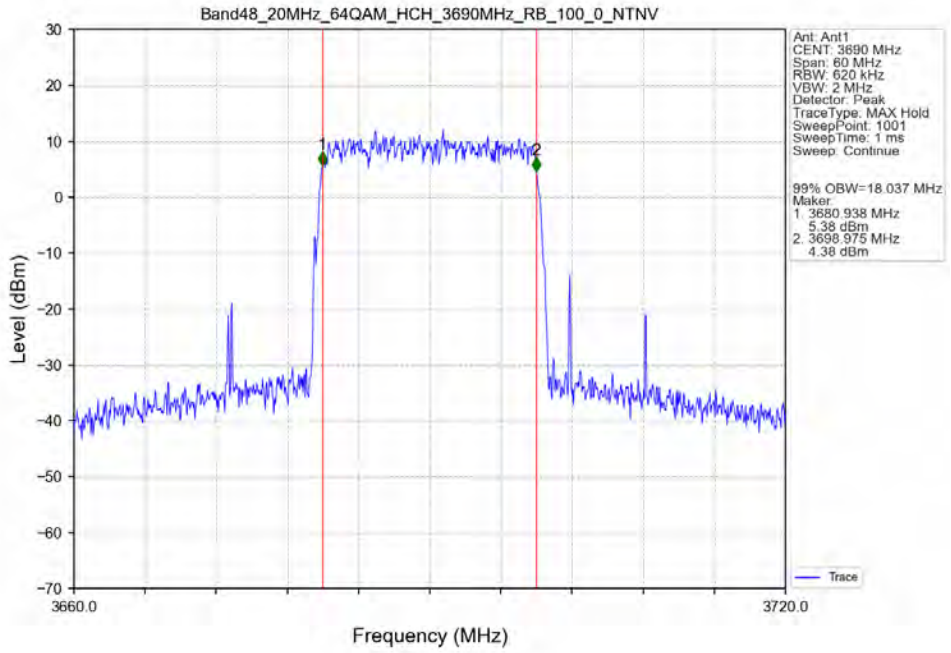
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV

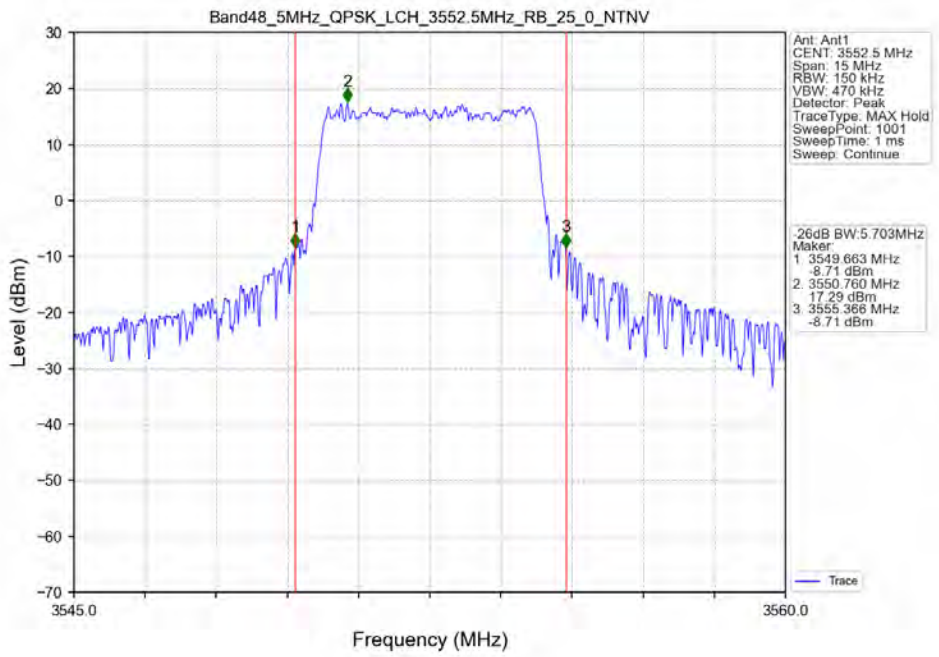


Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV

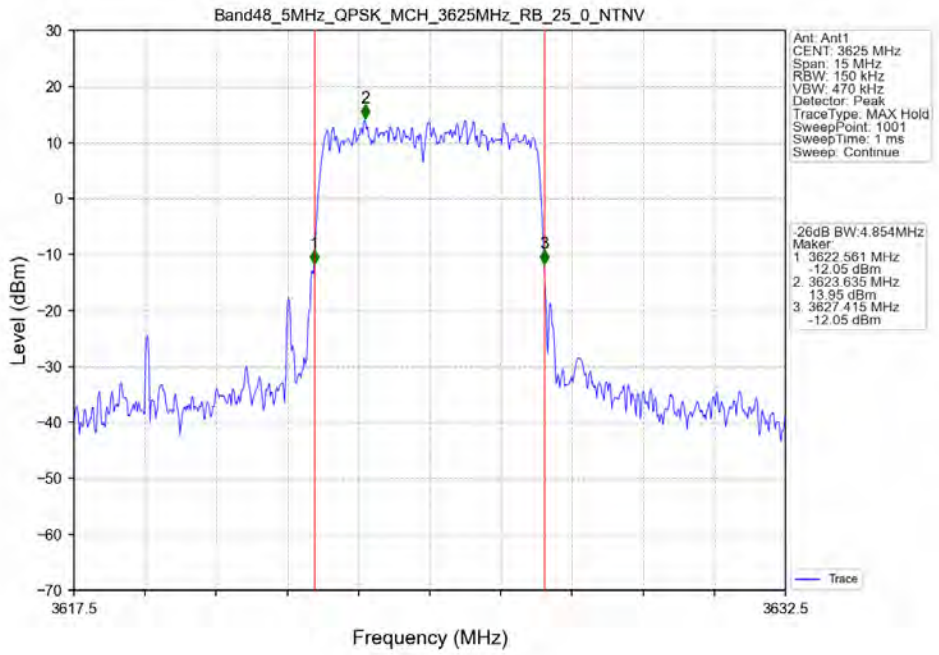


2.2.2 Band48_XDB

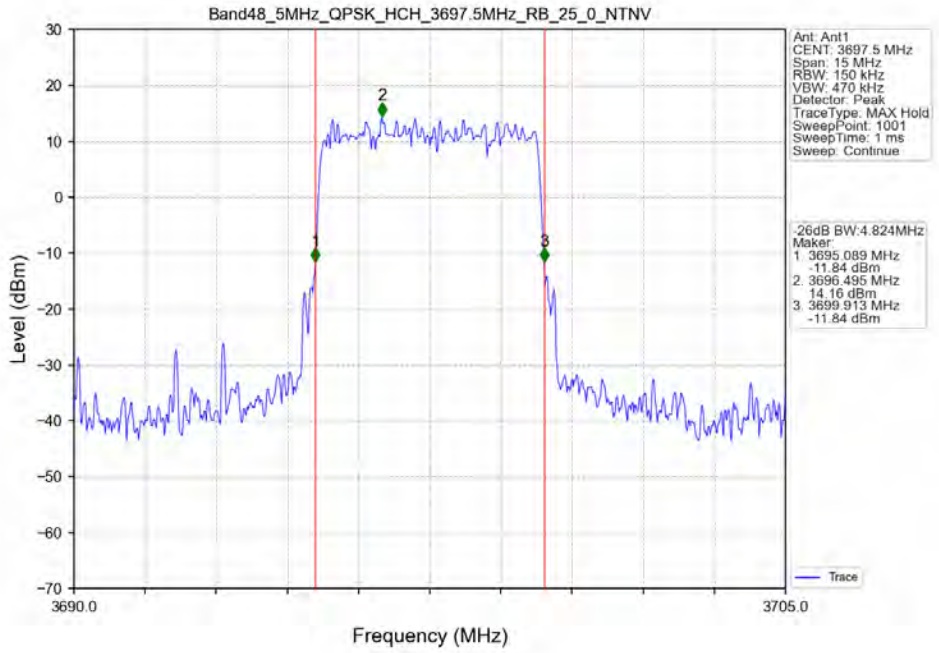
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



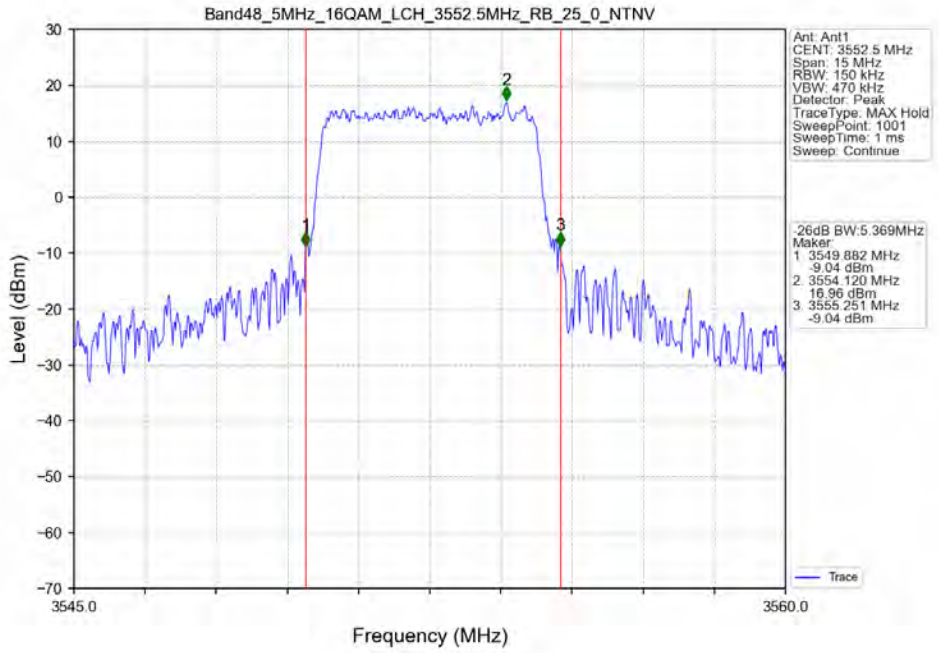
Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



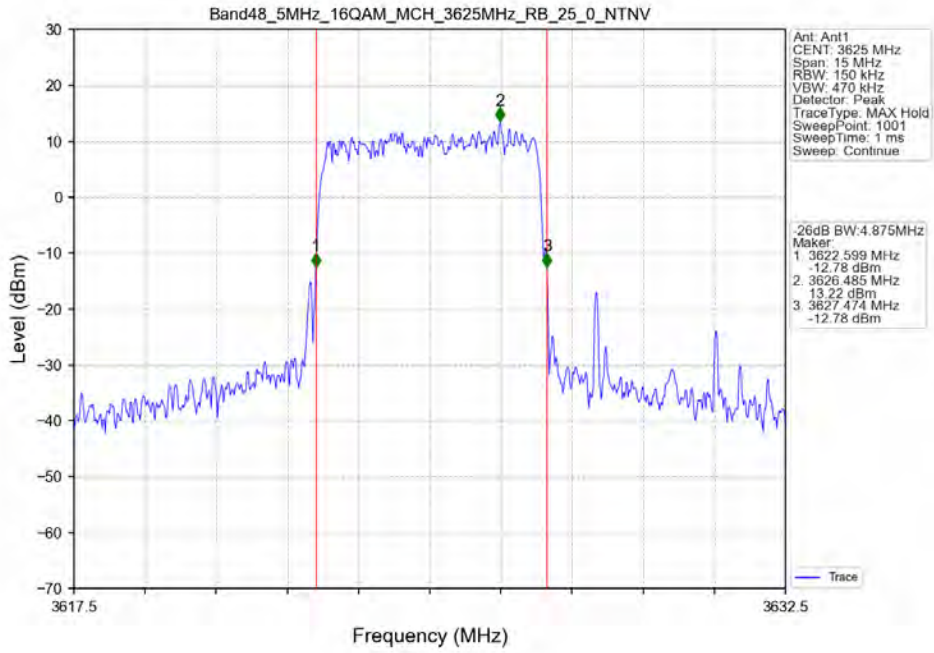
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



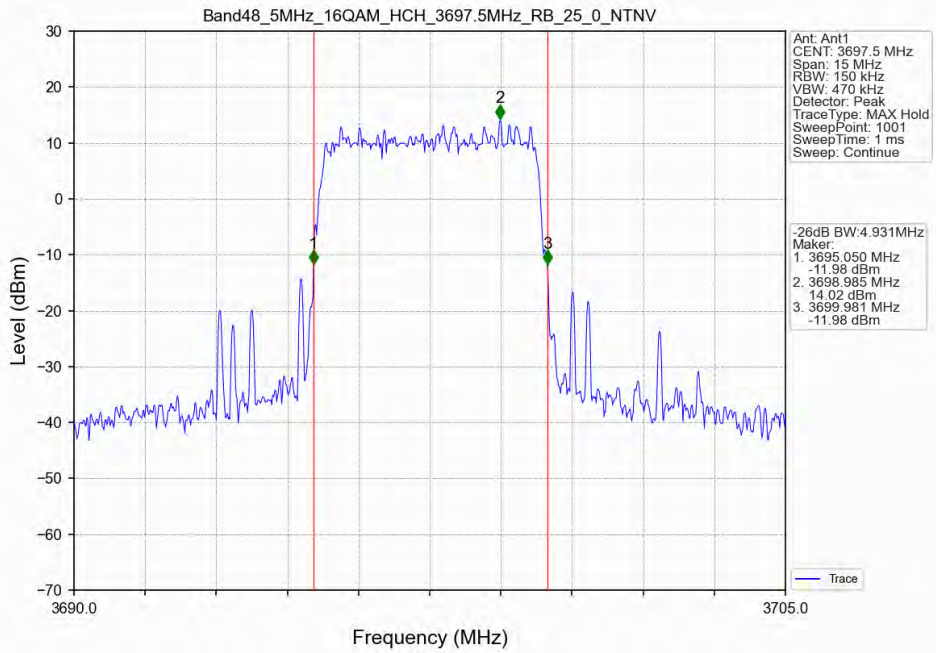
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



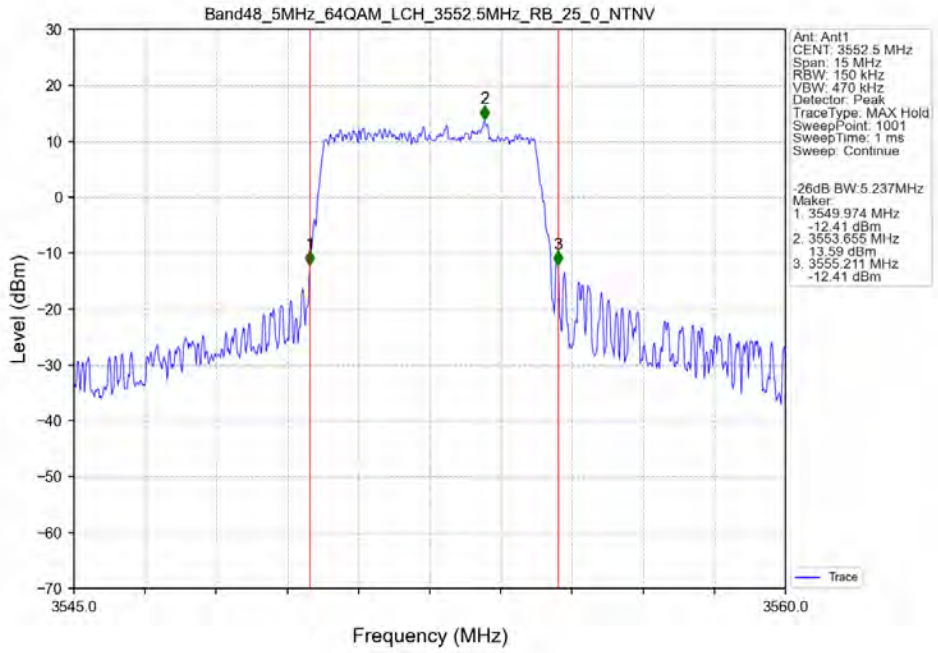
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



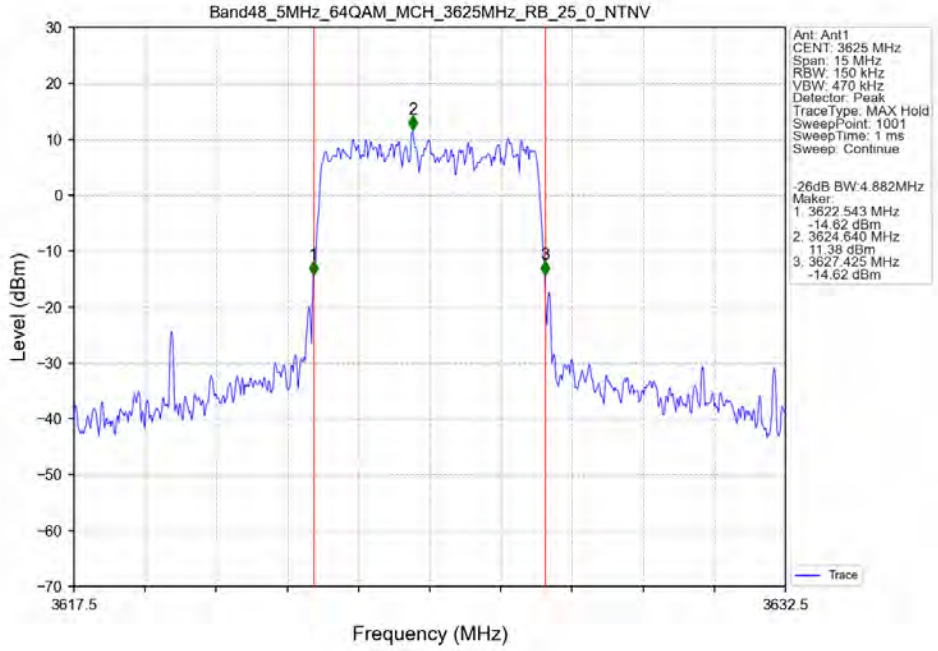
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



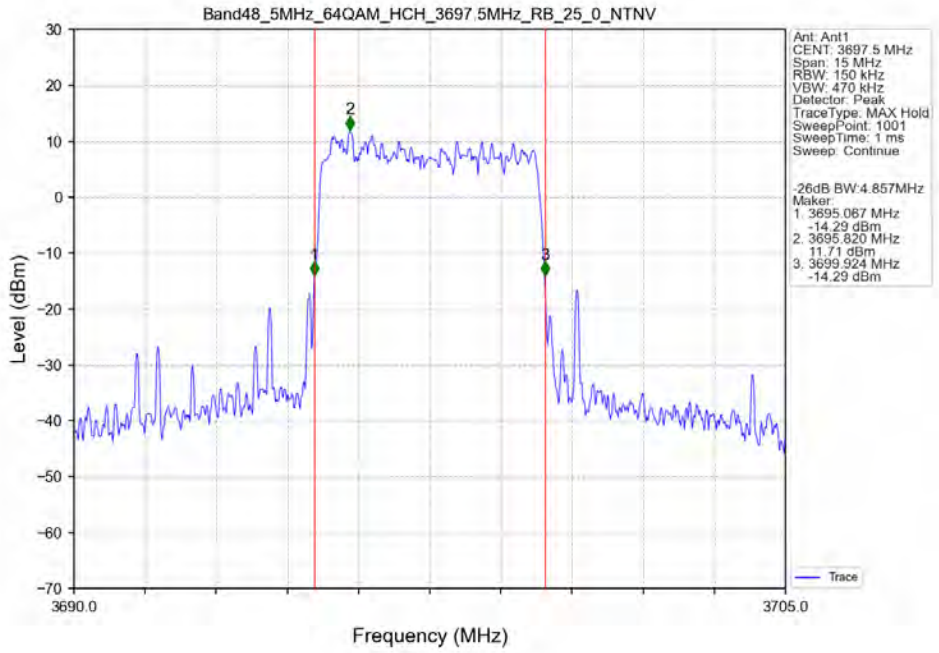
Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



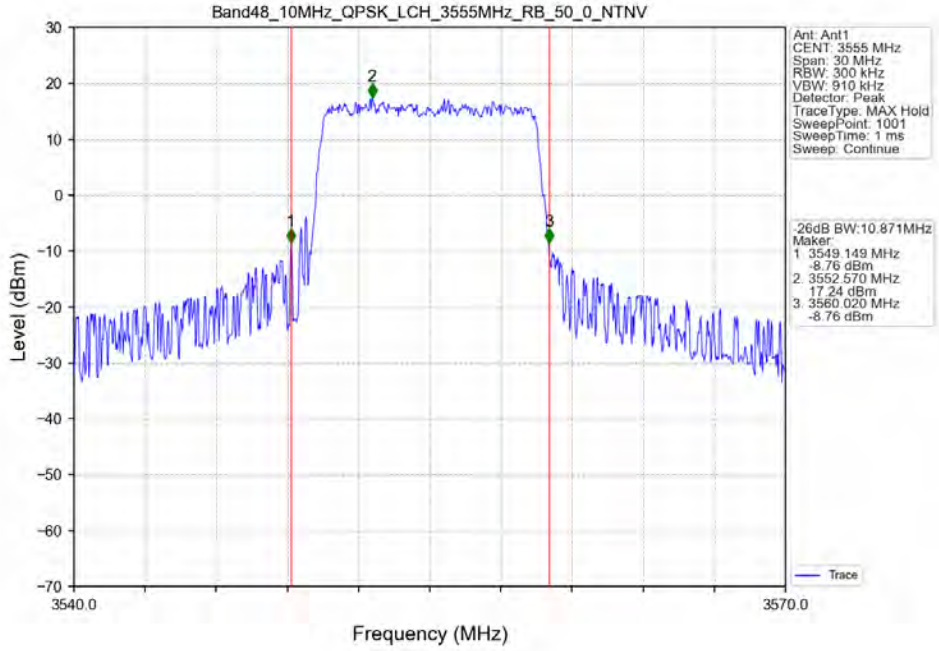
Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV



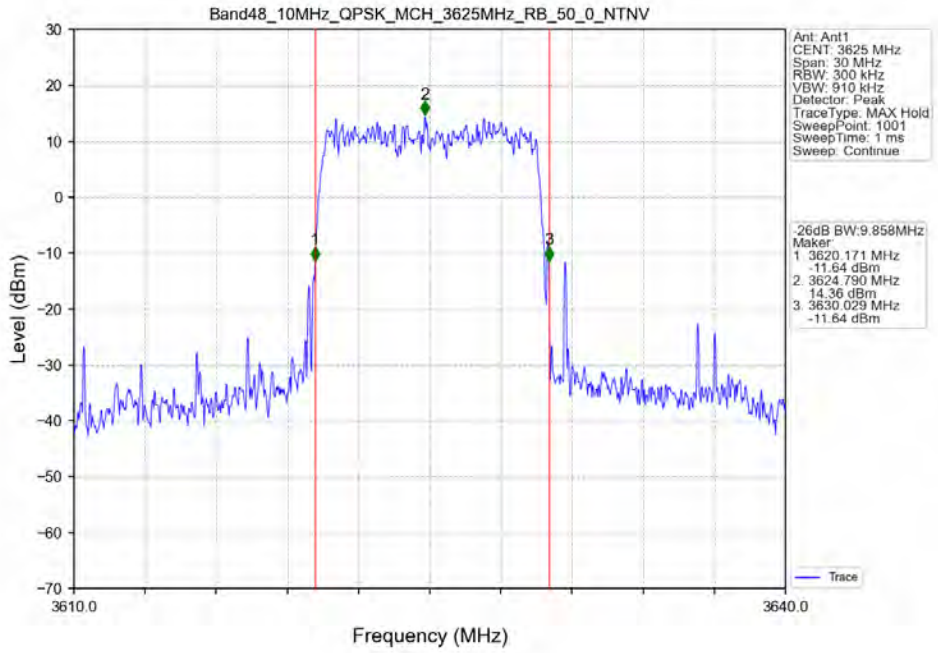
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



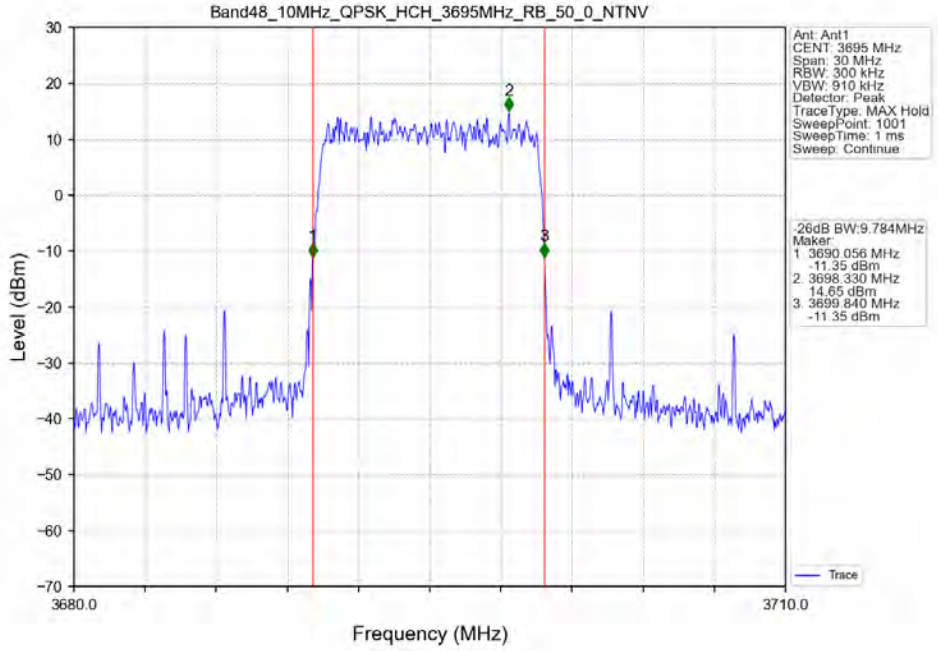
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



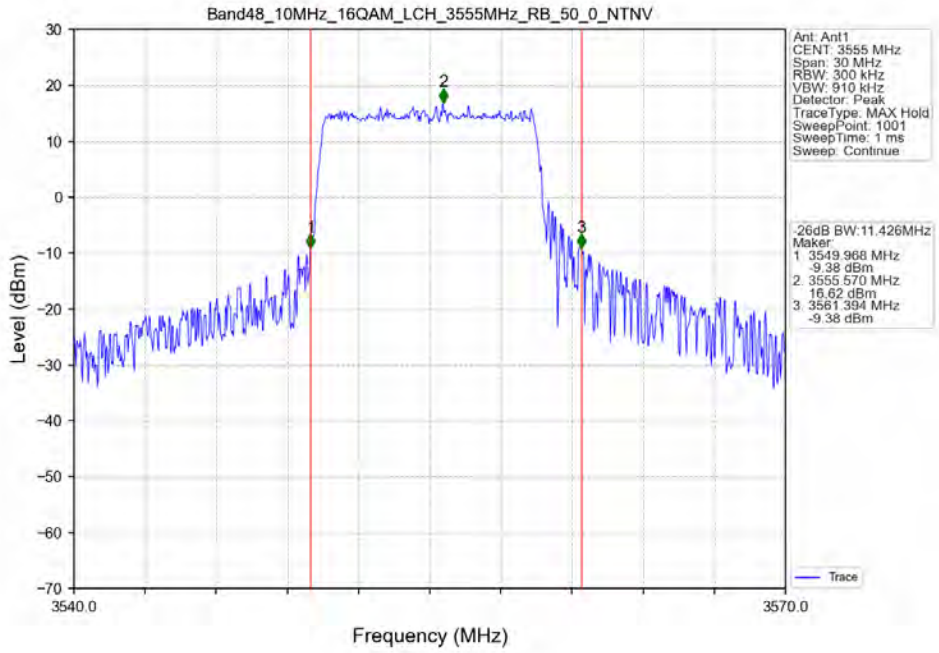
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



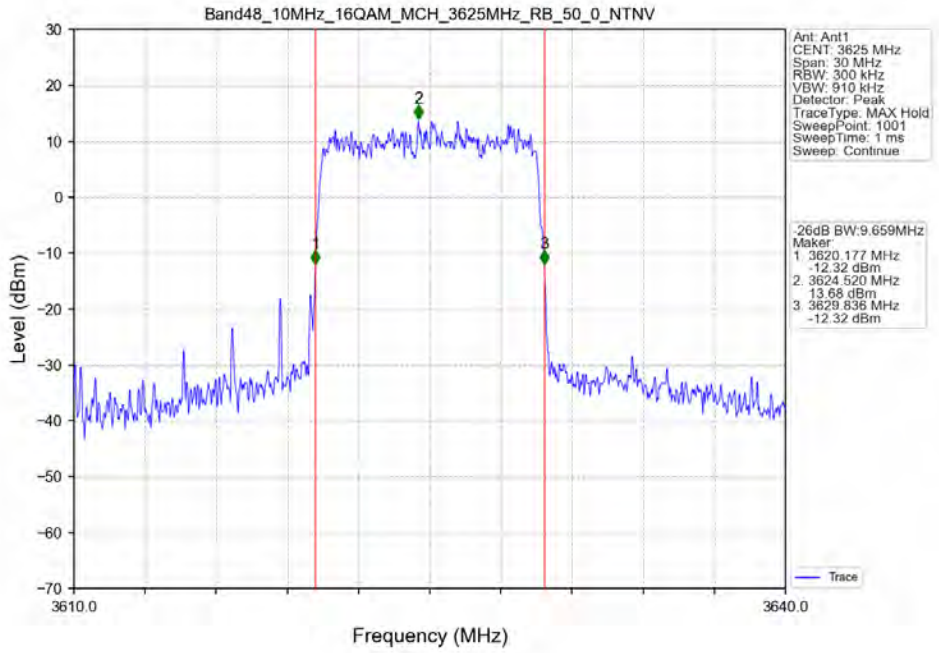
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



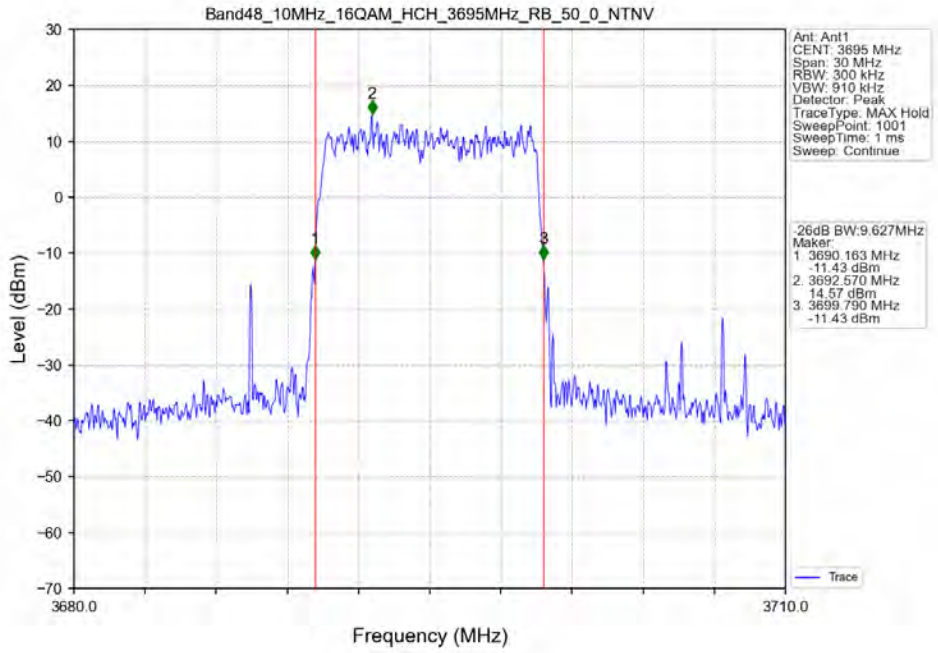
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



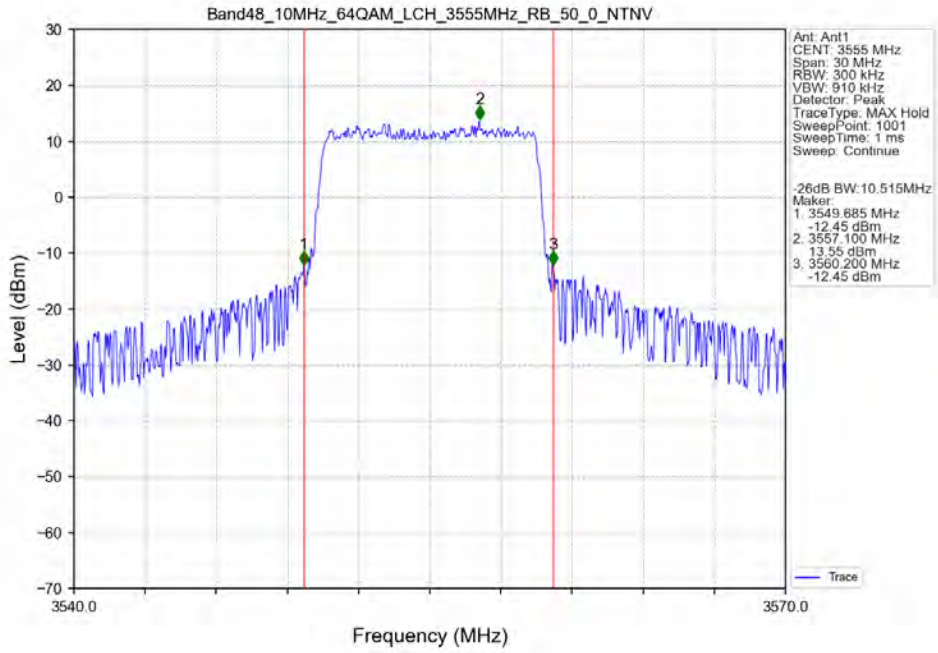
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



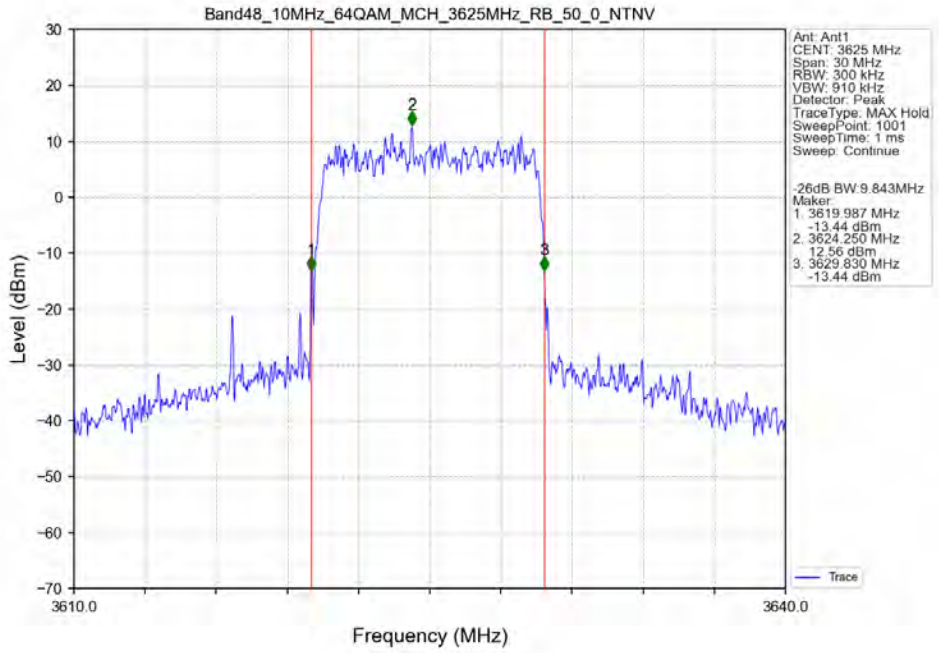
Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



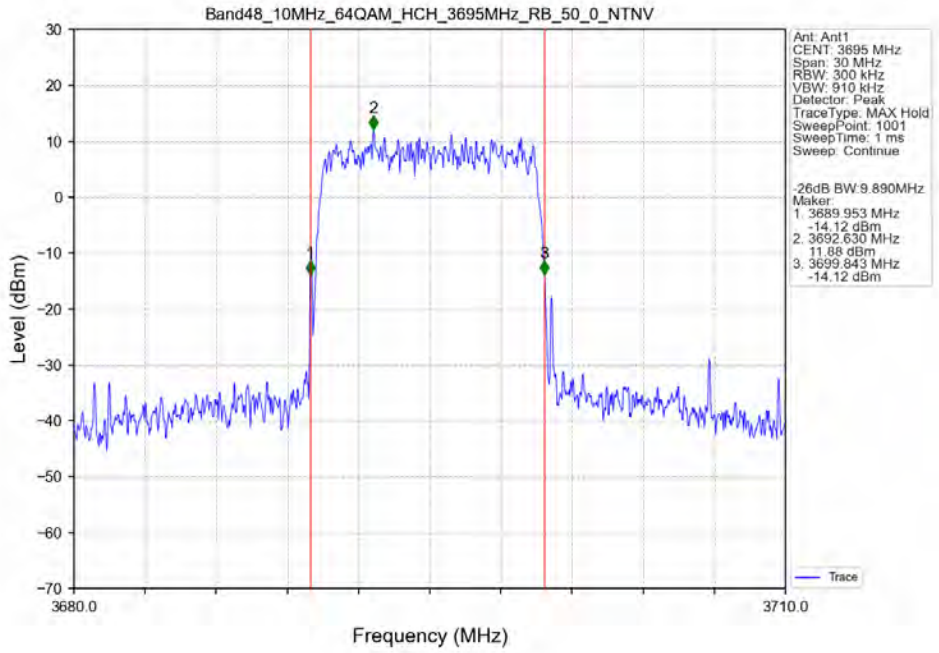
Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



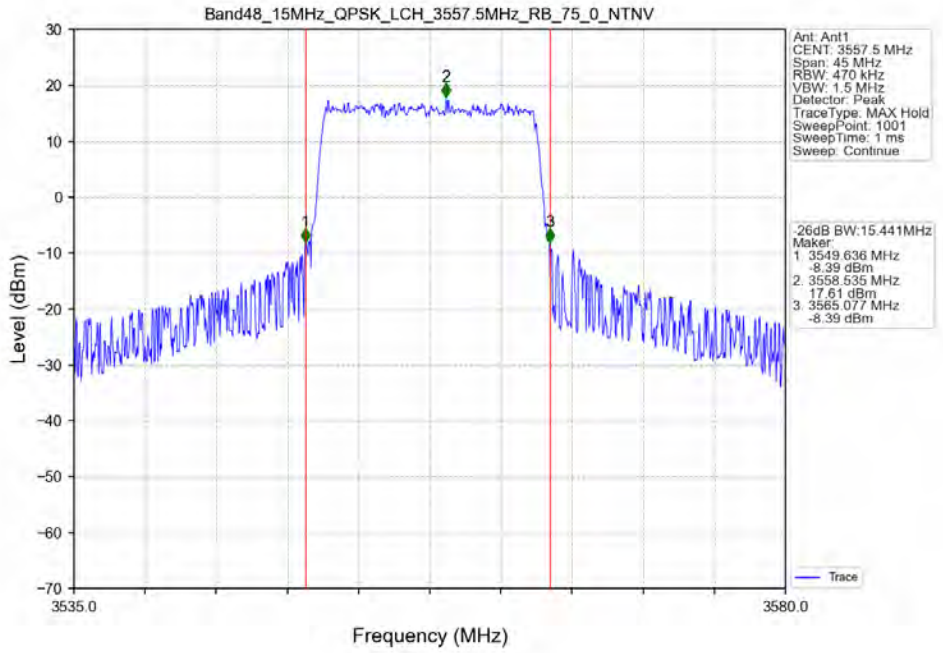
Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



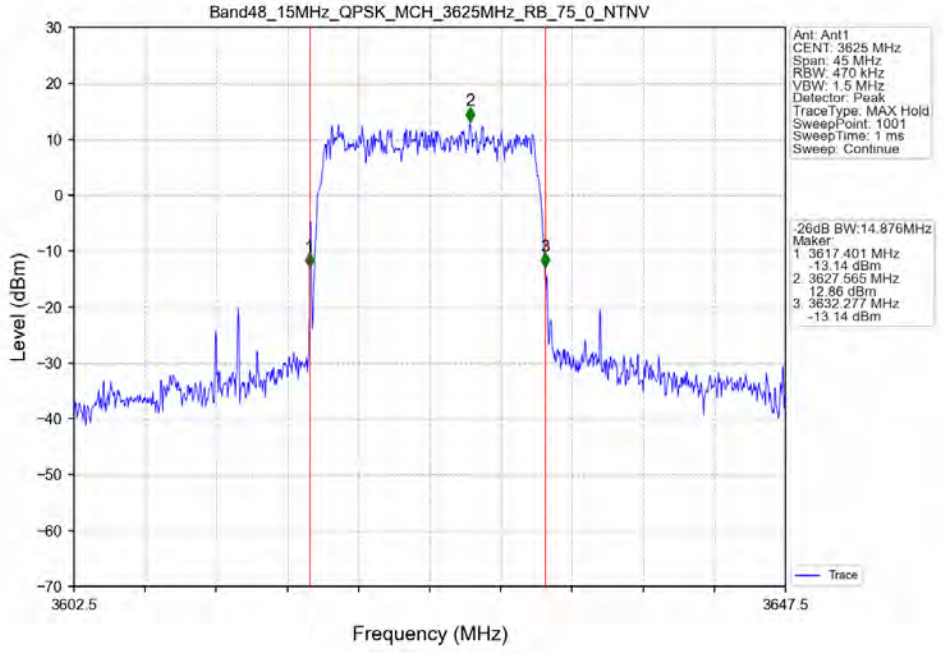
Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



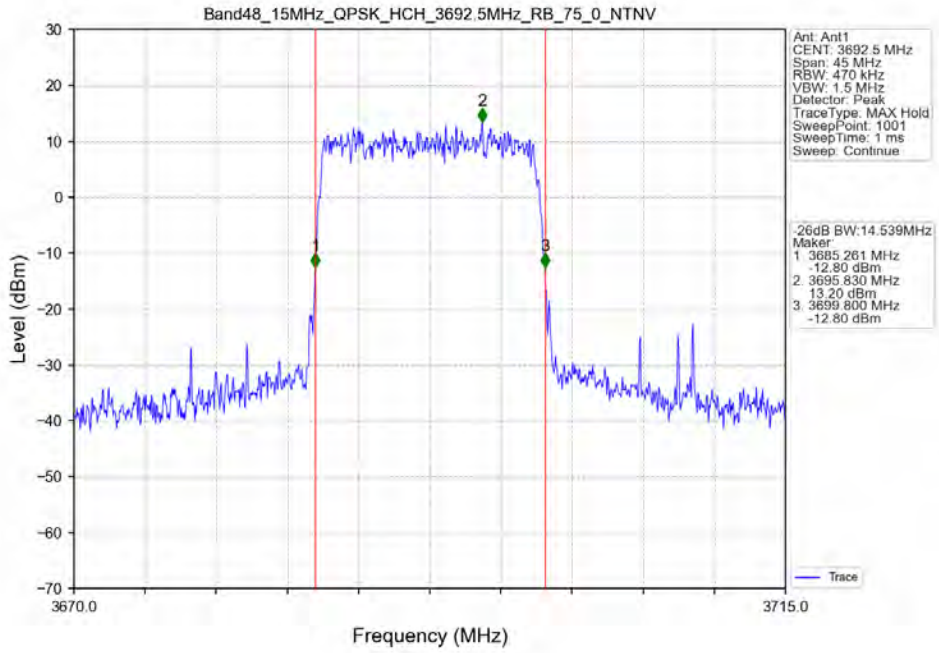
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



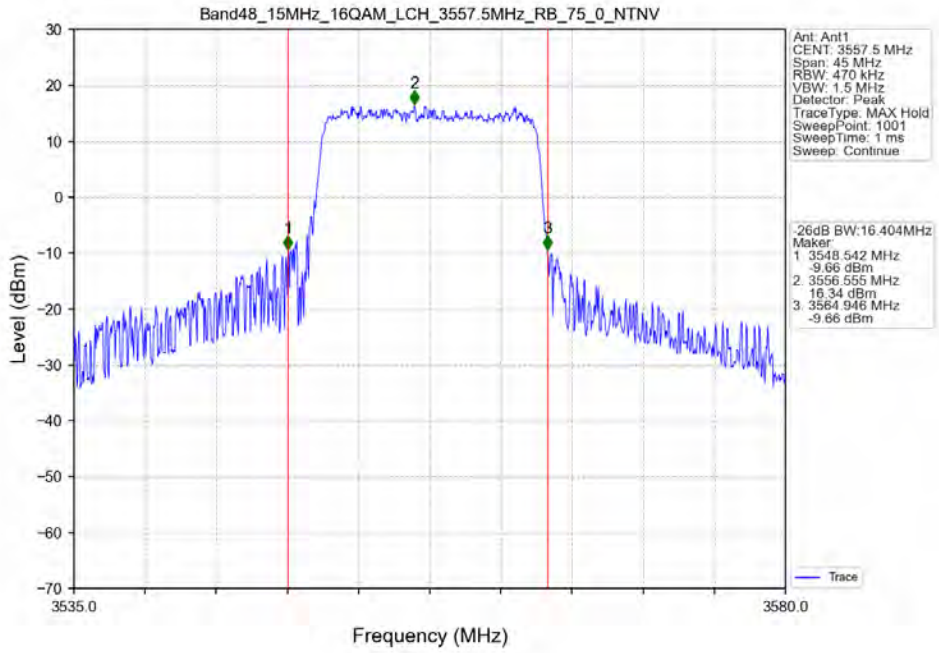
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



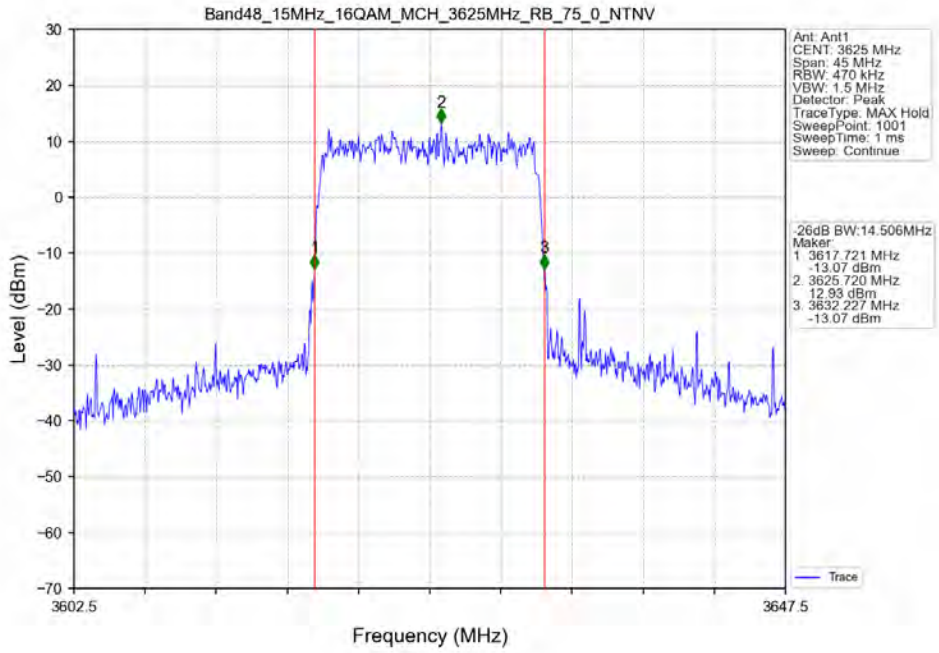
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



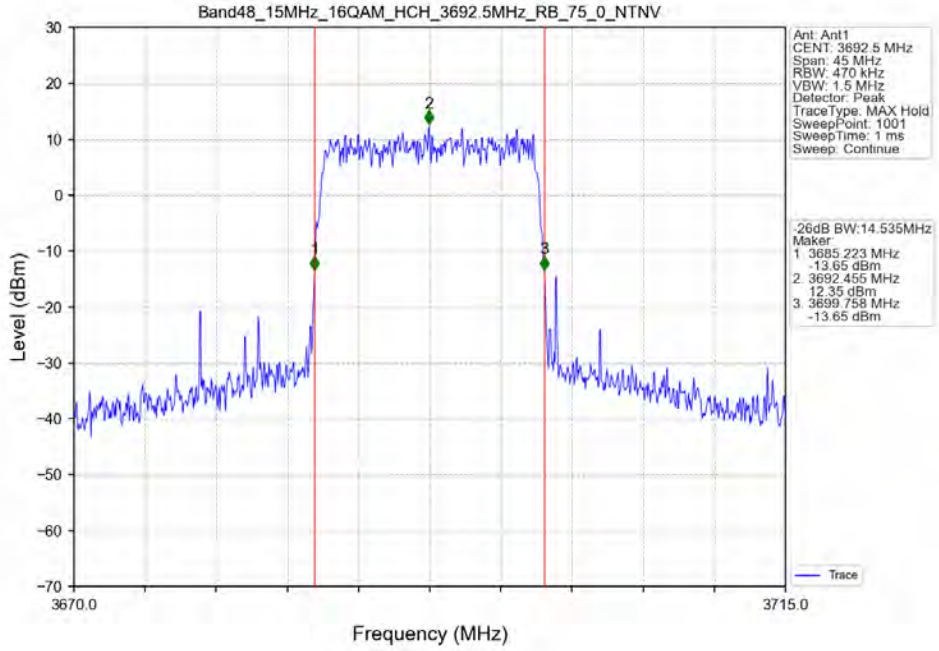
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



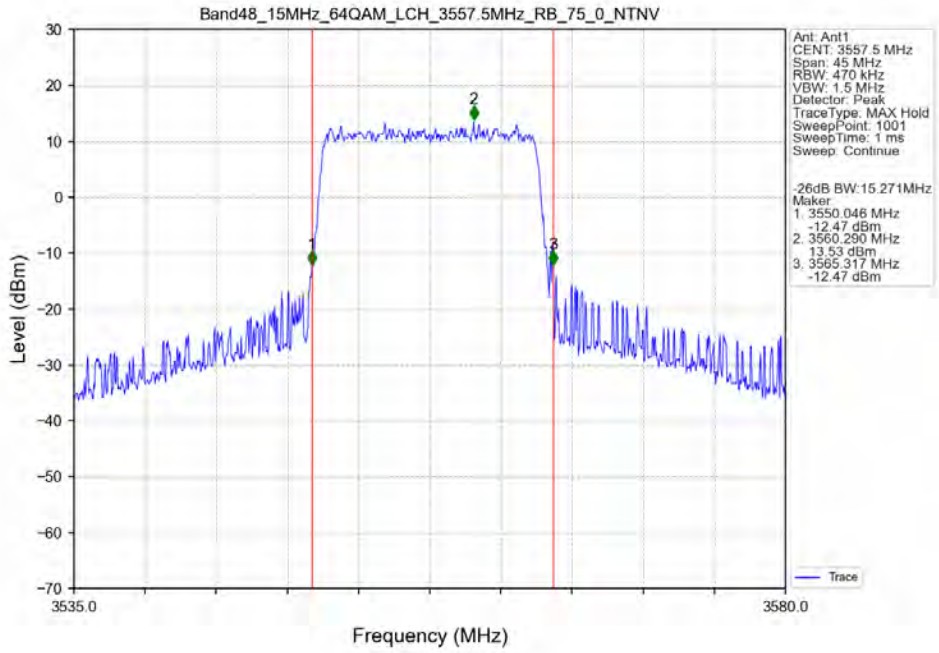
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



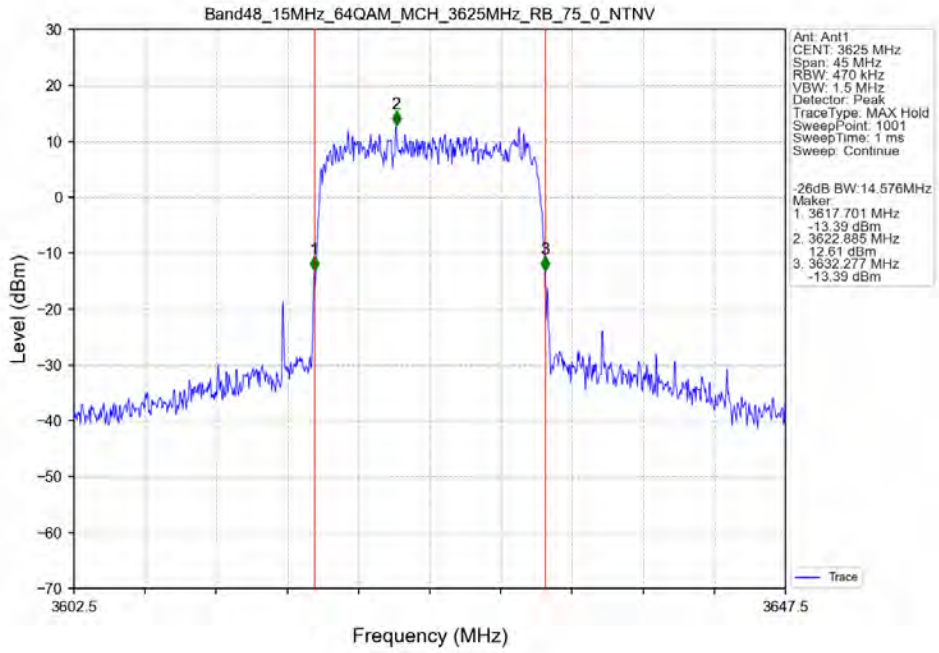
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



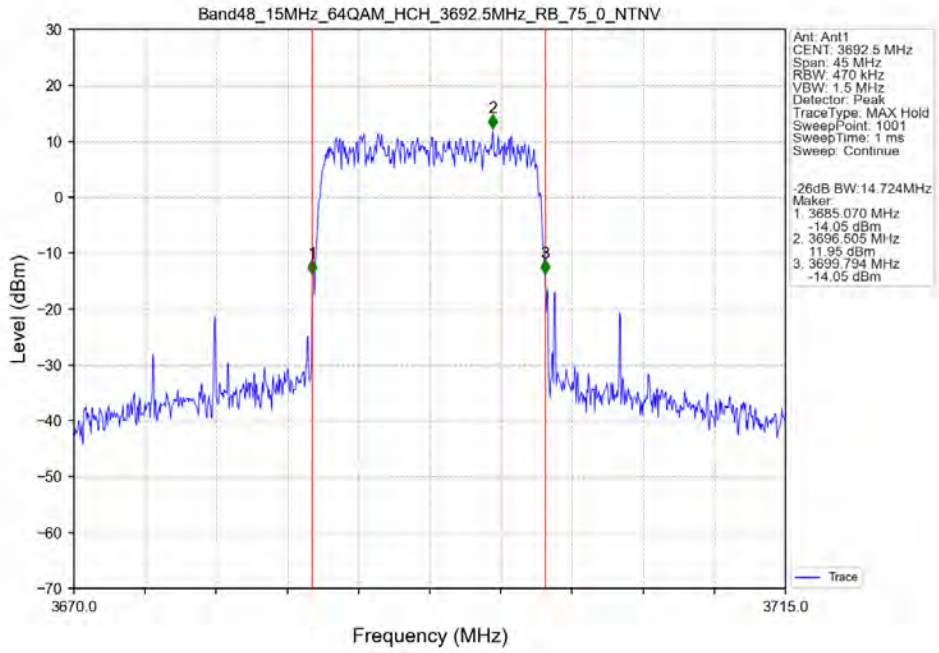
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



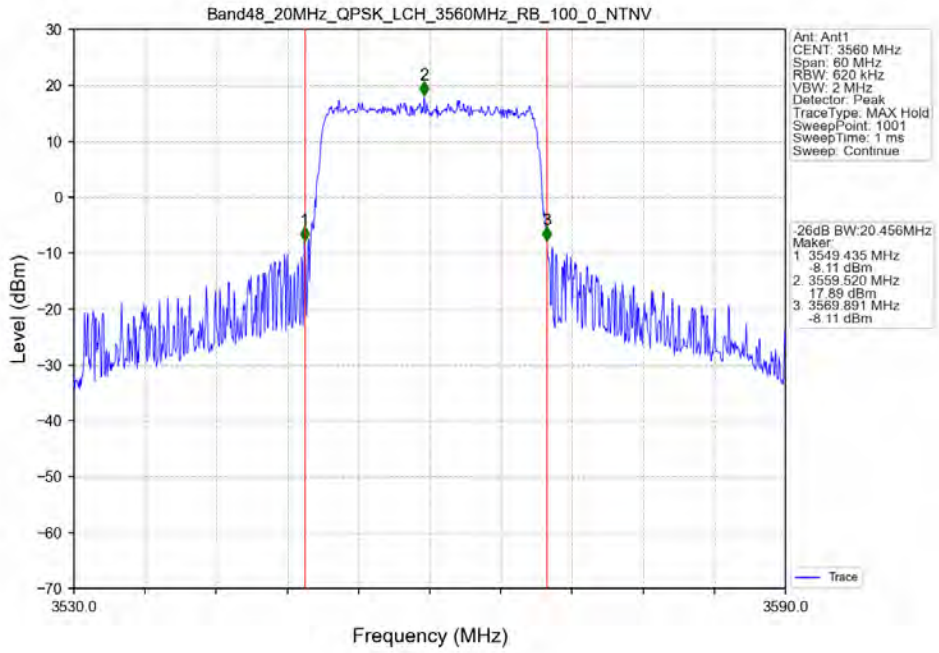
Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



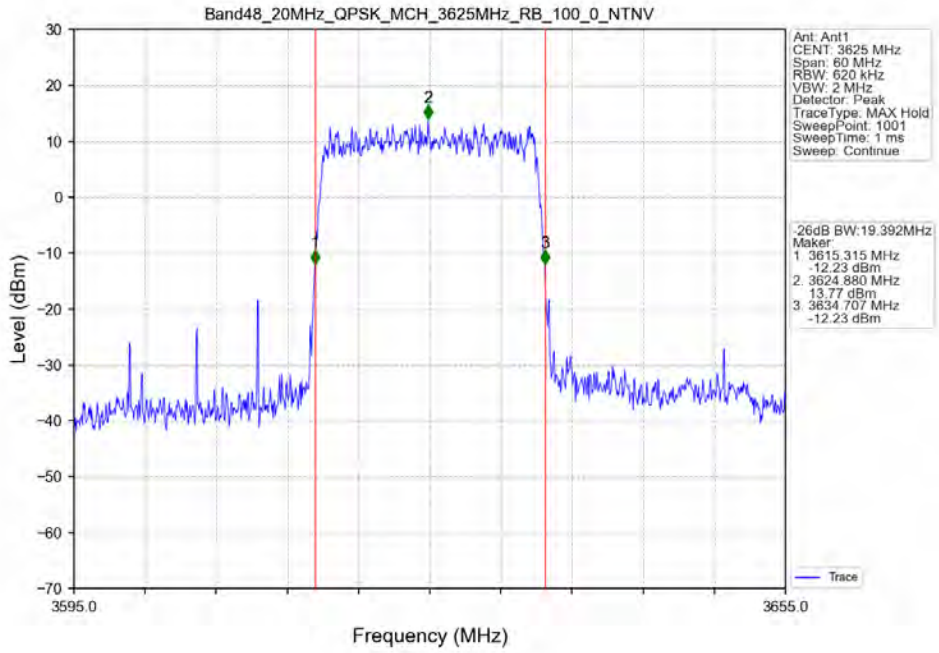
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



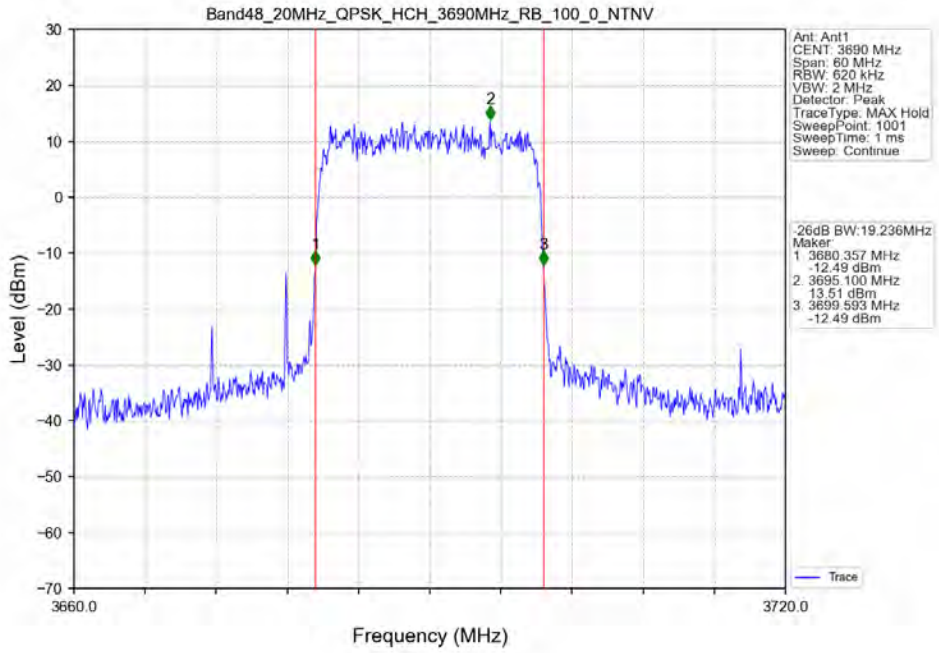
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



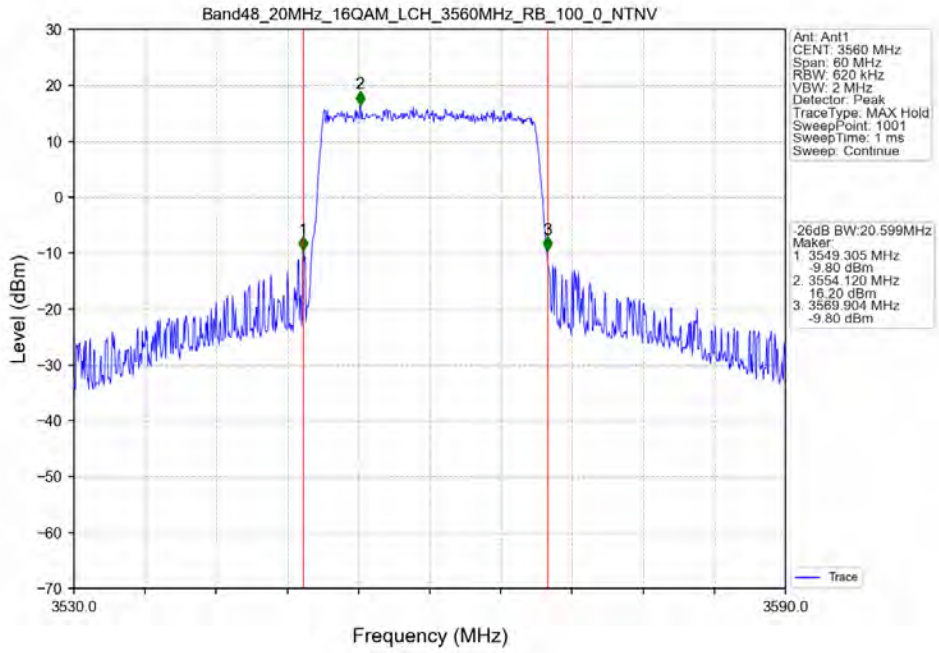
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



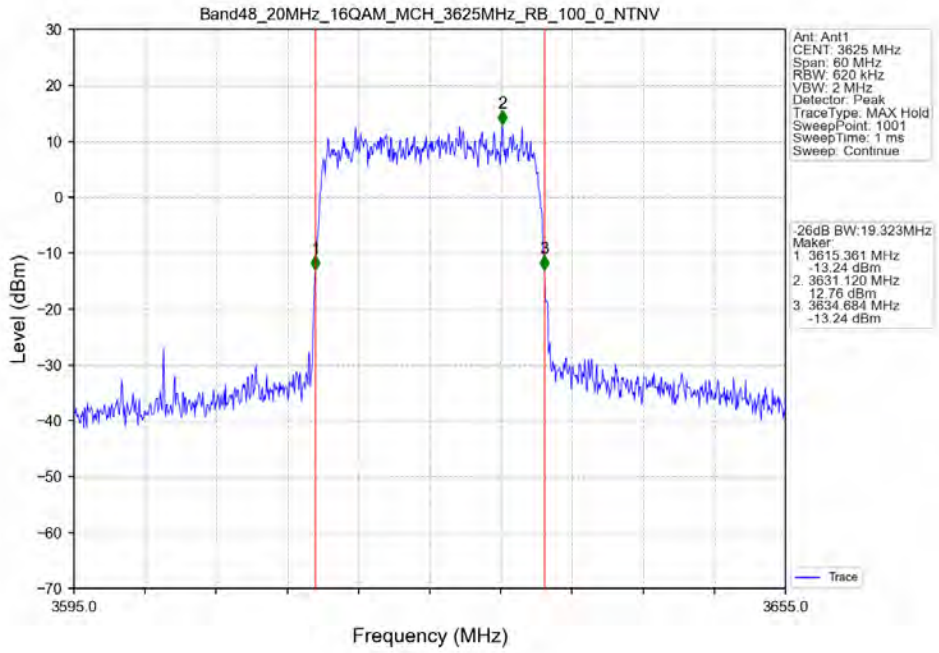
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



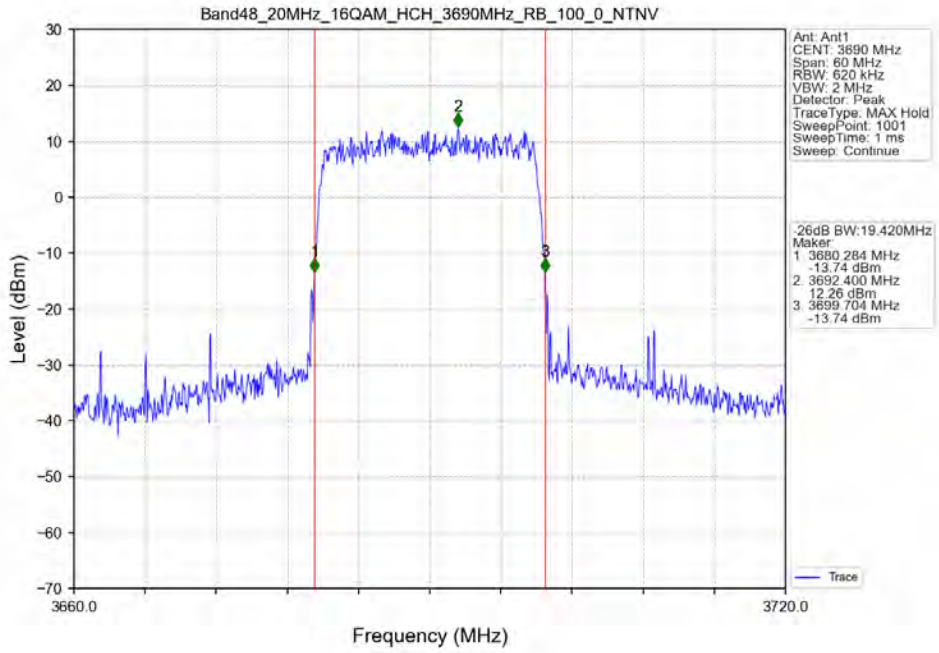
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



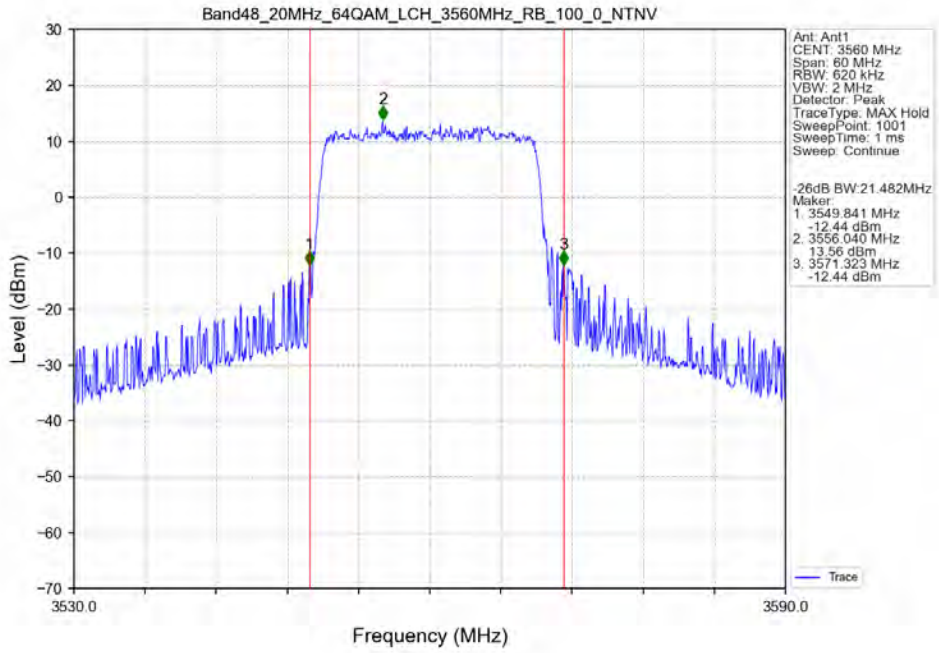
Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



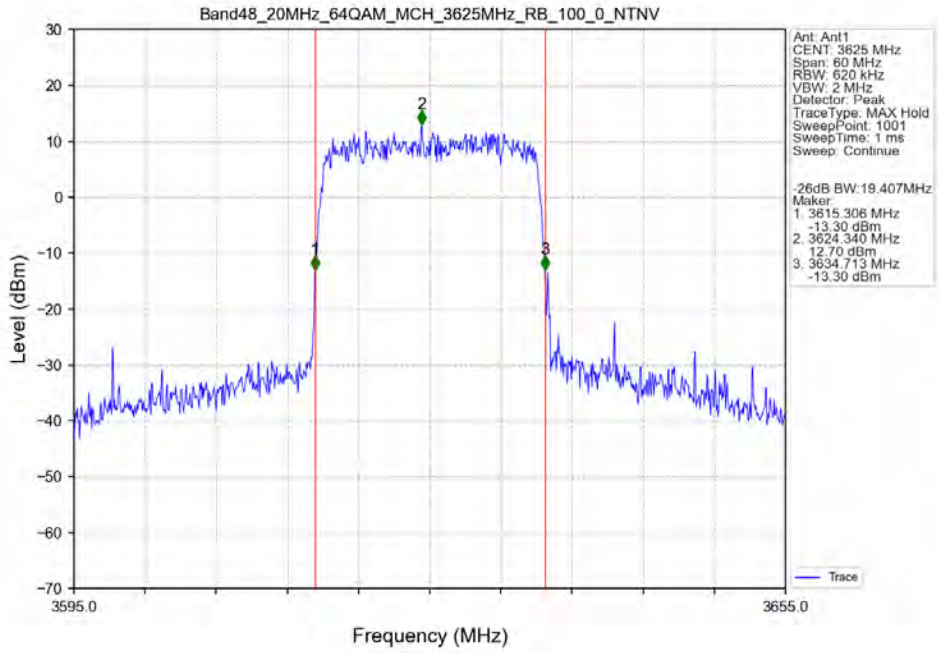
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



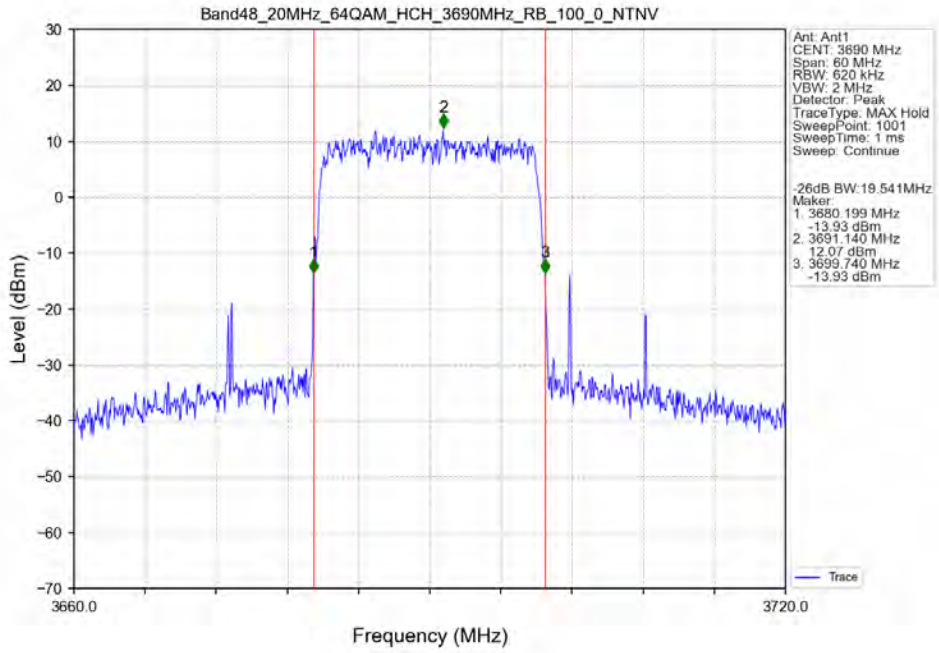
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	25	0	7.58	<=13	Pass
	3625	25	0	7.32	<=13	Pass
	3697.5	25	0	7.31	<=13	Pass
16QAM	3552.5	25	0	8.25	<=13	Pass
	3625	25	0	7.99	<=13	Pass
	3697.5	25	0	8.06	<=13	Pass

4.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	7.54	<=13	Pass
	3625	50	0	7.23	<=13	Pass
	3695	50	0	7.19	<=13	Pass
16QAM	3555	50	0	8.19	<=13	Pass
	3625	50	0	8.12	<=13	Pass
	3695	50	0	8.12	<=13	Pass

4.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	7.66	<=13	Pass
	3625	75	0	7.61	<=13	Pass
	3692.5	75	0	7.47	<=13	Pass
16QAM	3557.5	75	0	8.35	<=13	Pass
	3625	75	0	8.28	<=13	Pass
	3692.5	75	0	8.20	<=13	Pass

4.1.4 B48_20MHz

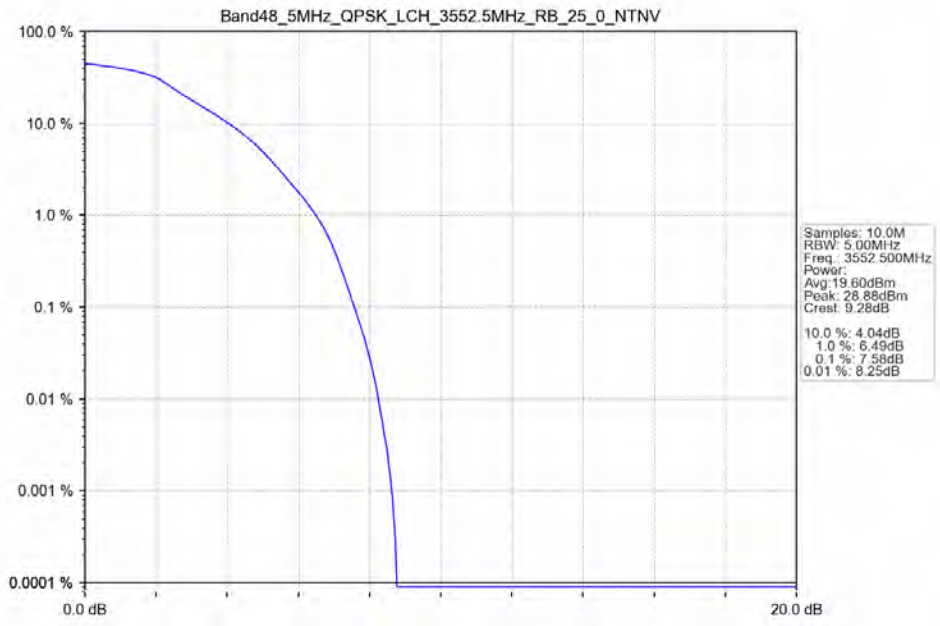
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	7.34	<=13	Pass
	3625	100	0	7.42	<=13	Pass
	3690	100	0	7.29	<=13	Pass
16QAM	3560	100	0	8.12	<=13	Pass
	3625	100	0	8.06	<=13	Pass

	3690	100	0	8.08	<=13	Pass

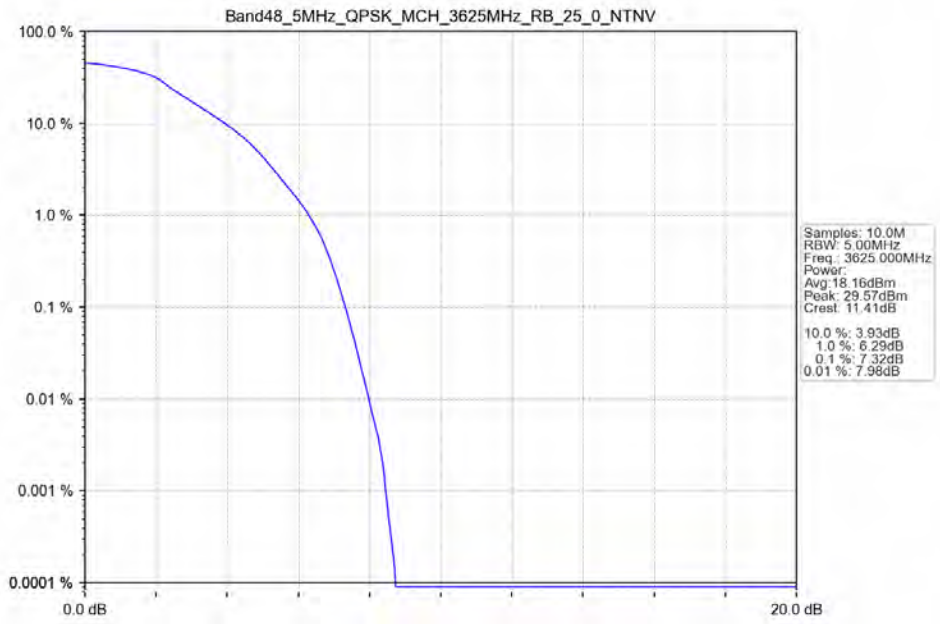
4.2 Test Graph

4.2.1 B48_5MHz

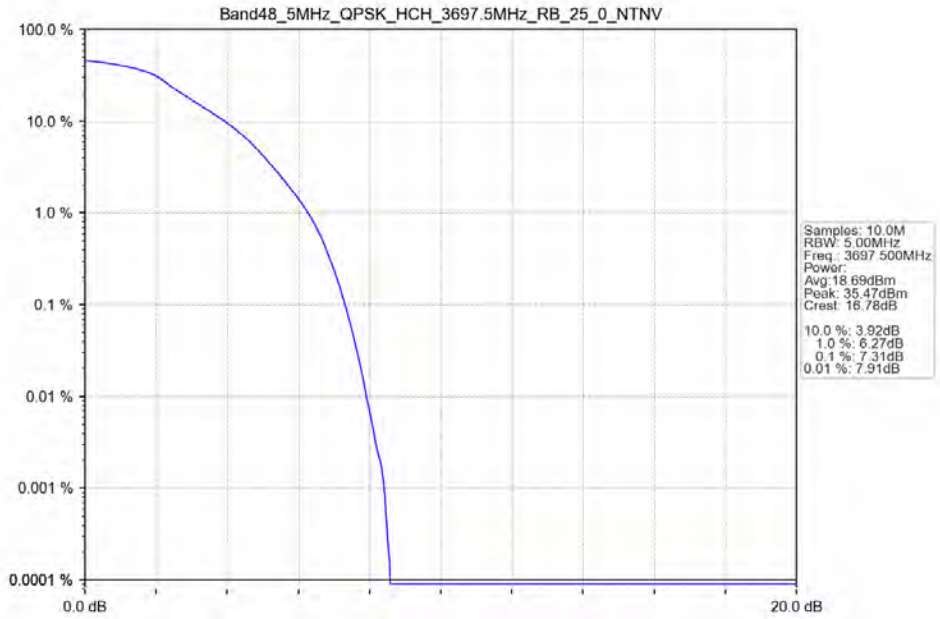
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



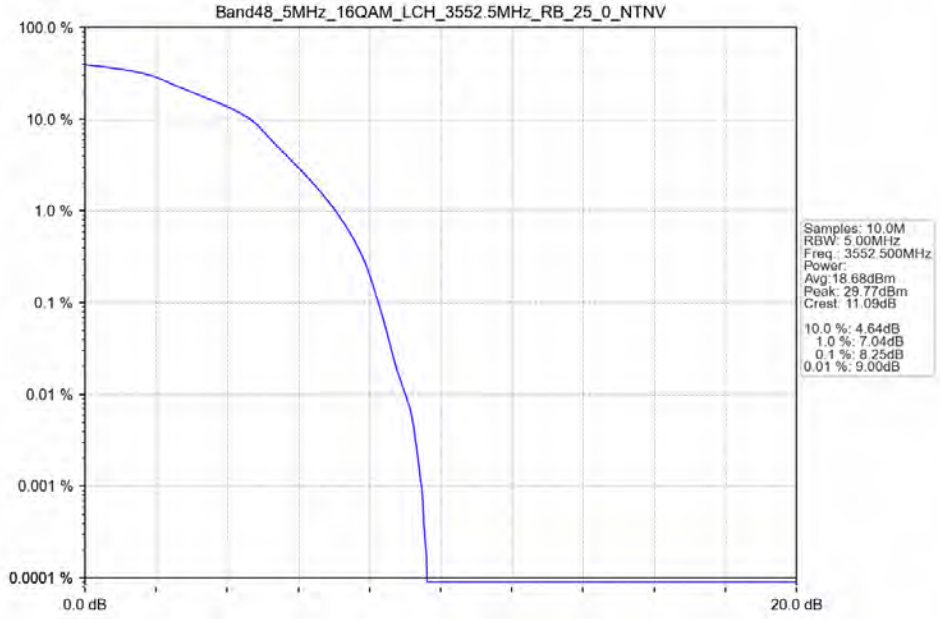
Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



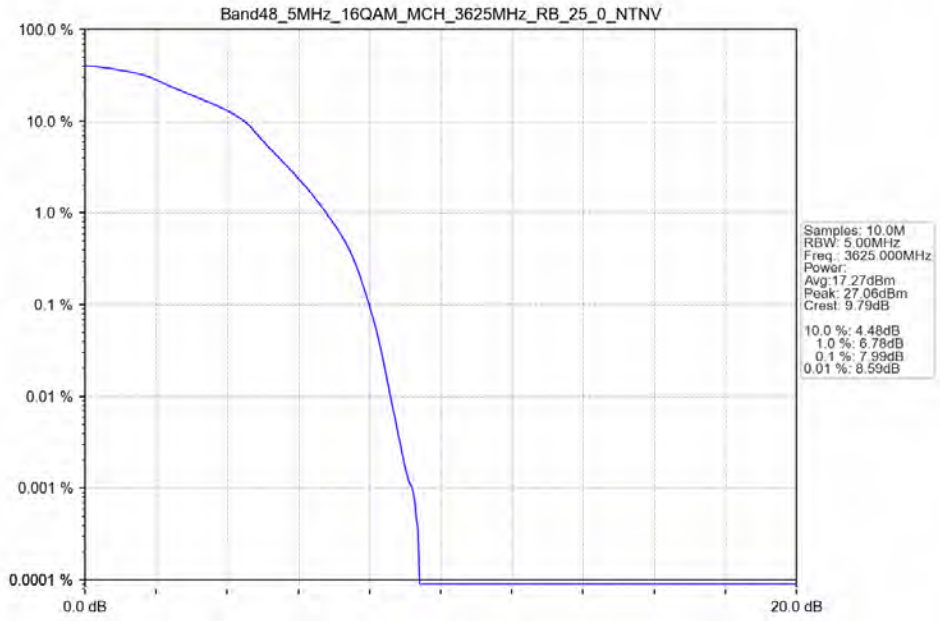
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



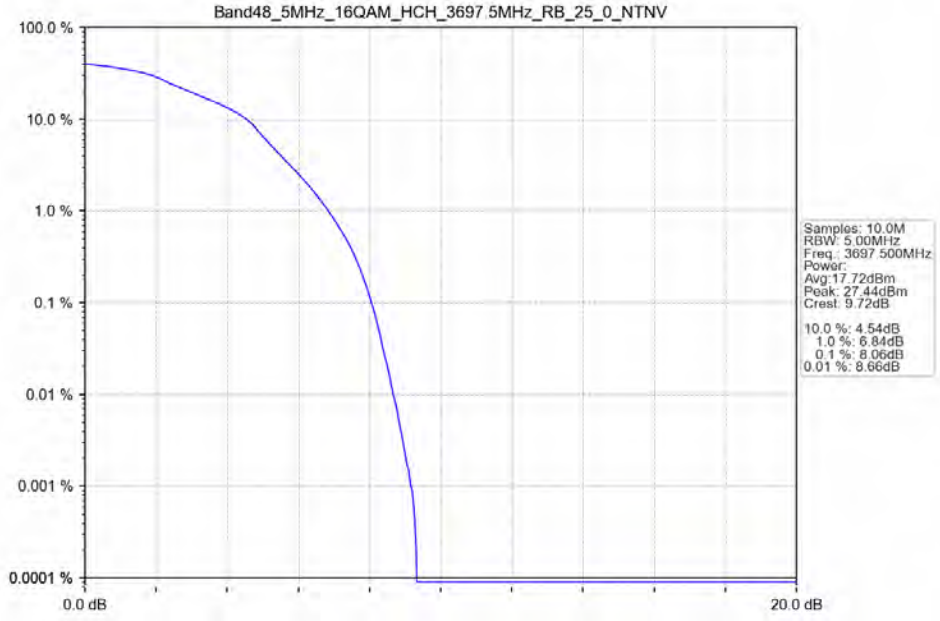
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



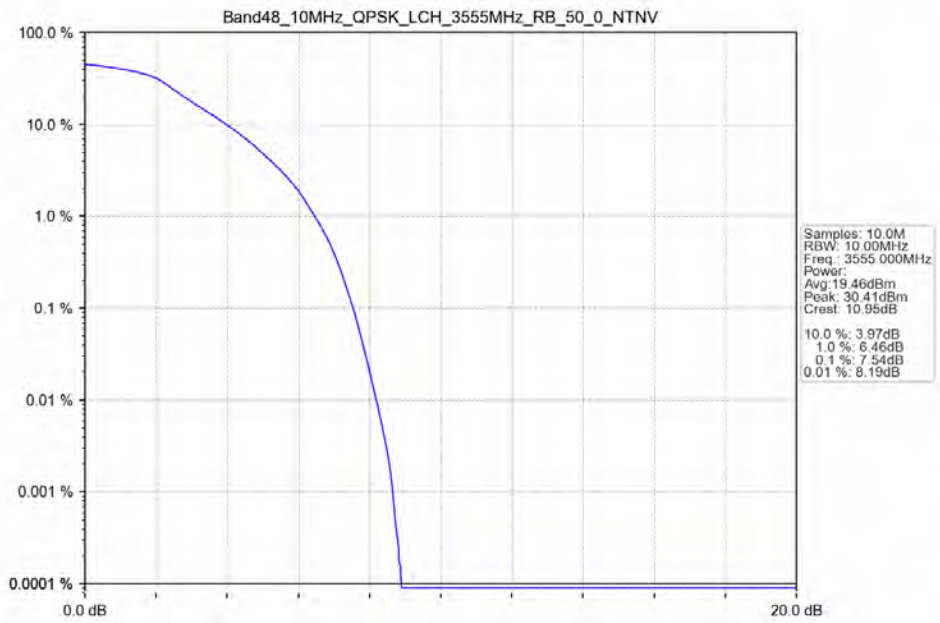
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV

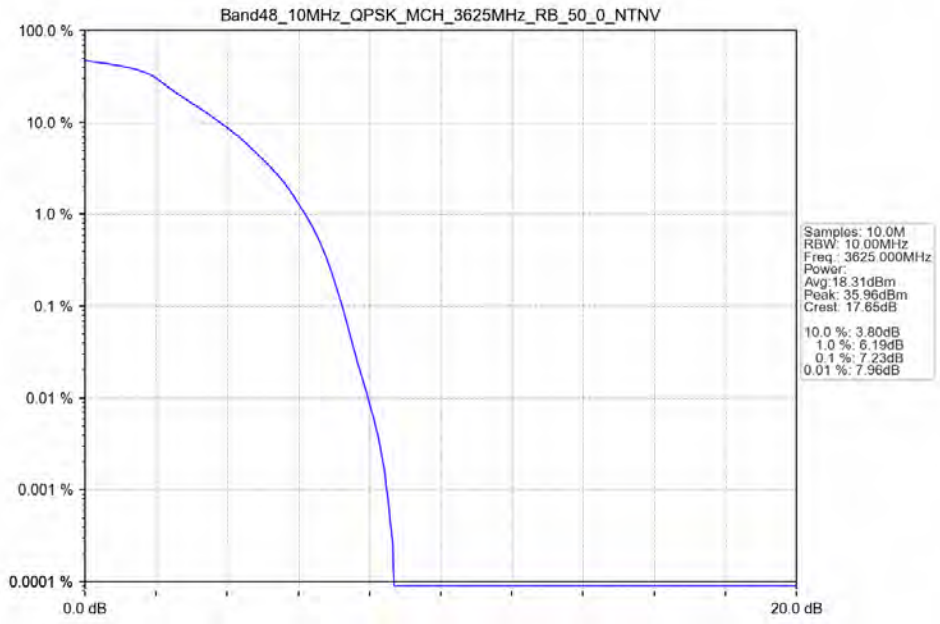


Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

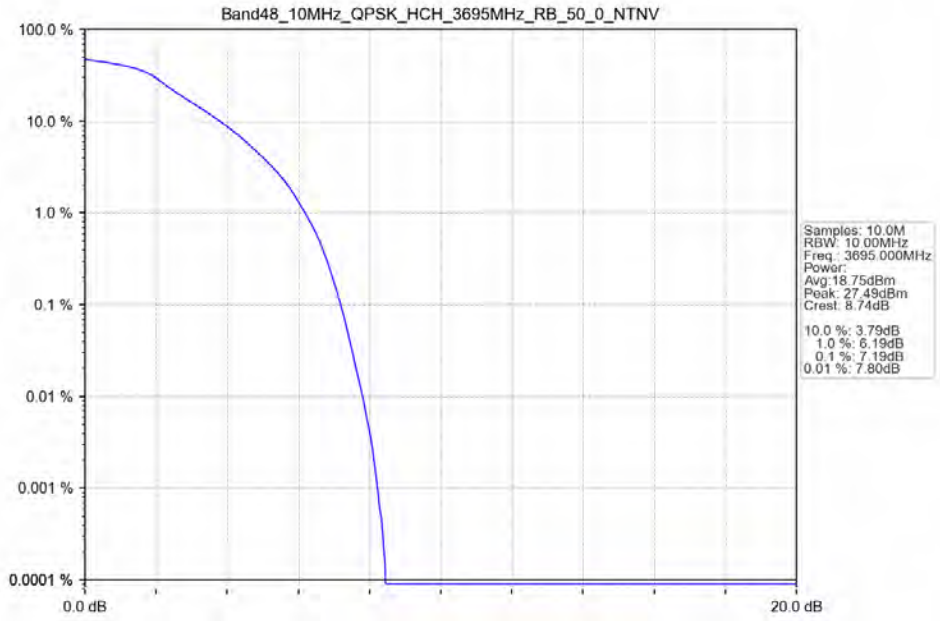


4.2.2 B48_10MHz

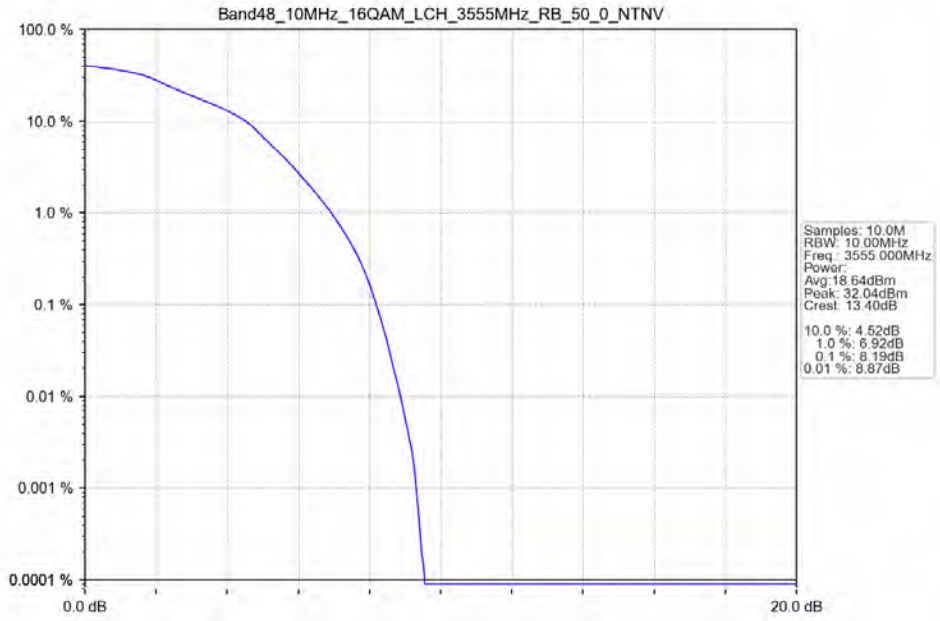
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV


Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV


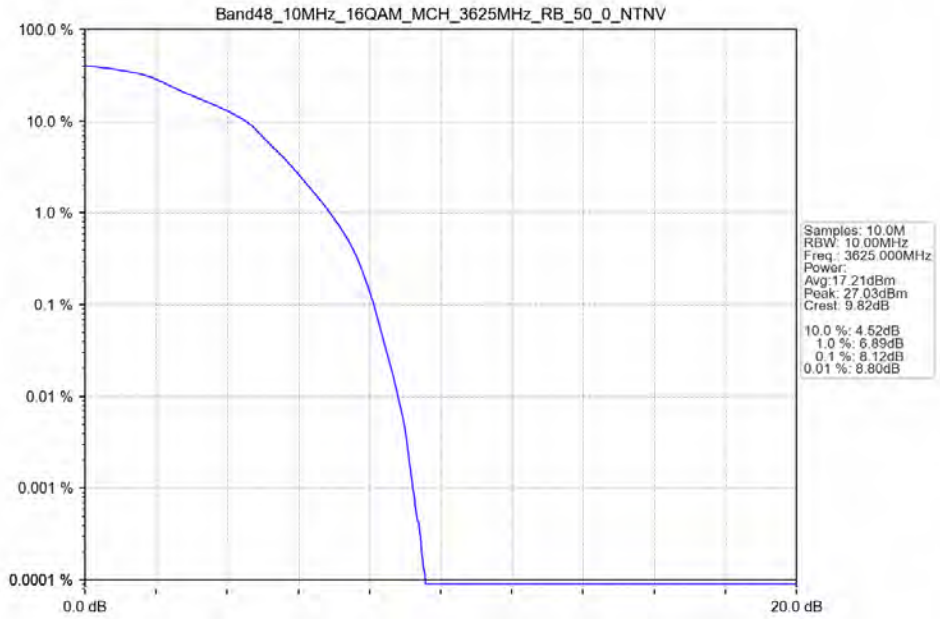
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



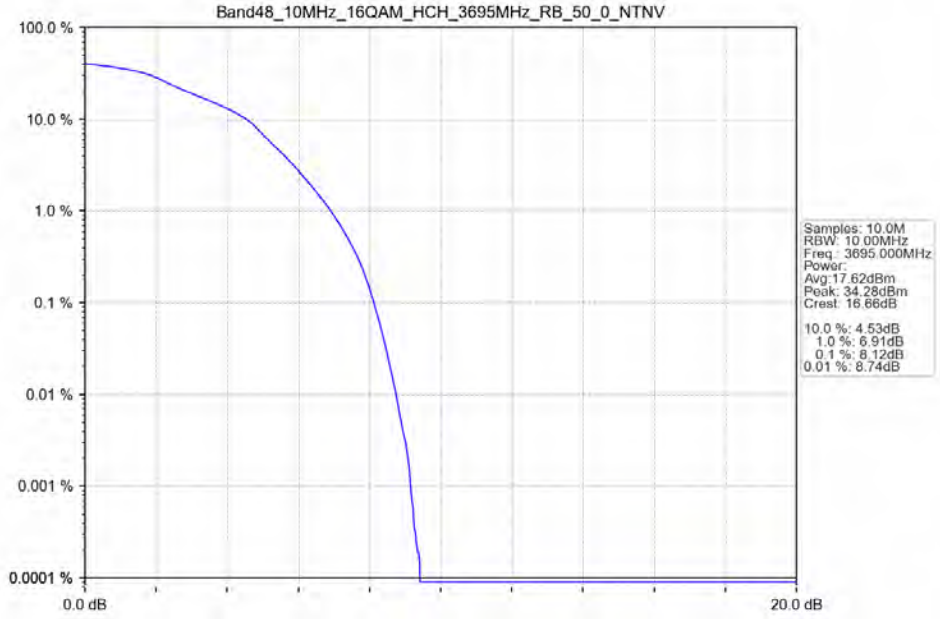
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV

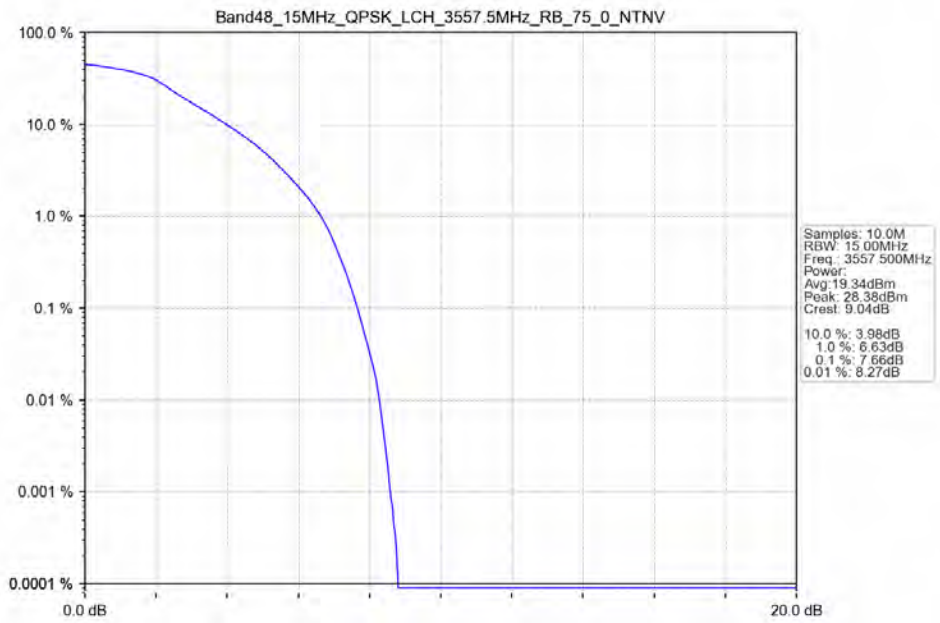


Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV

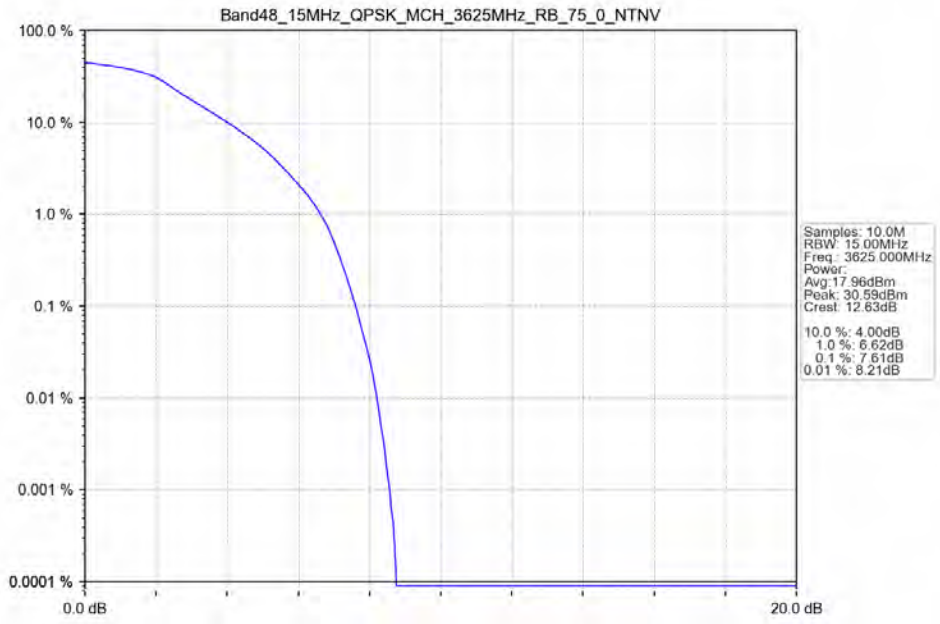


4.2.3 B48_15MHz

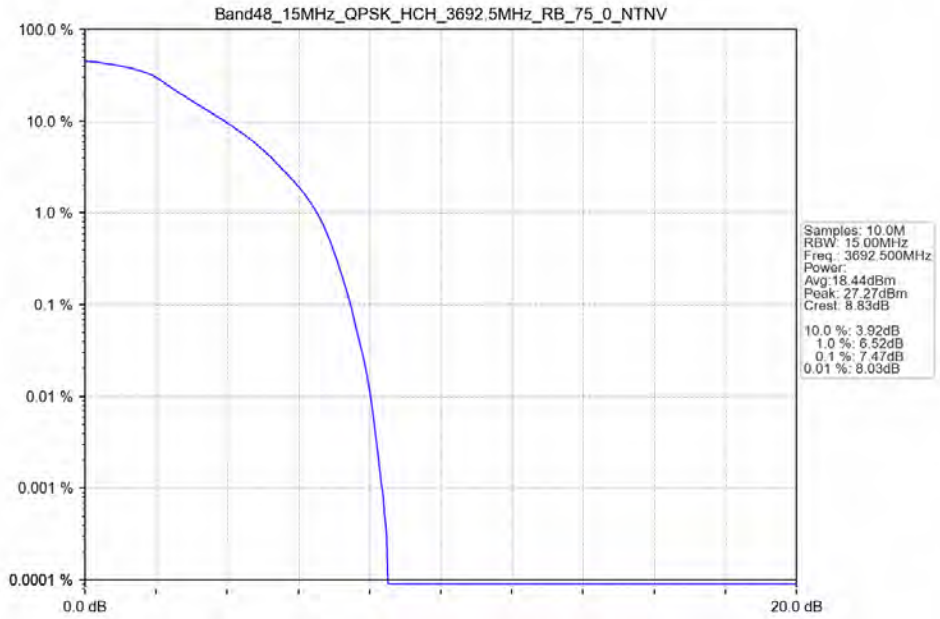
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



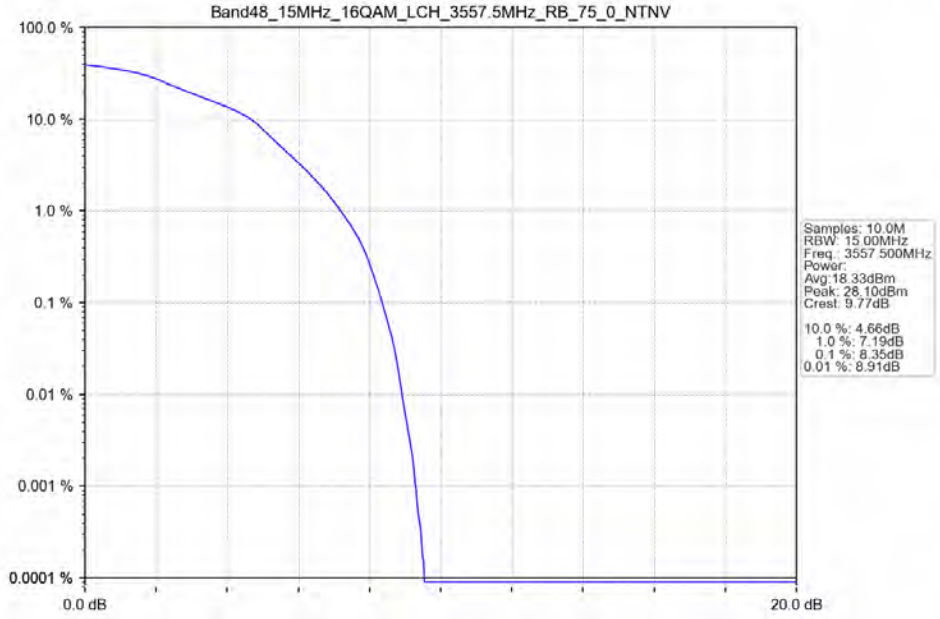
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



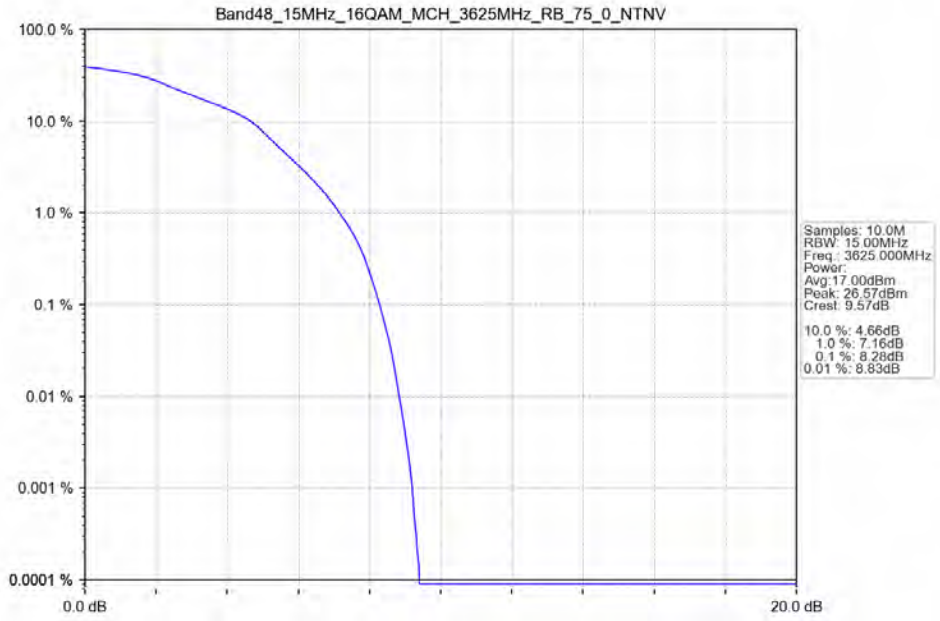
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



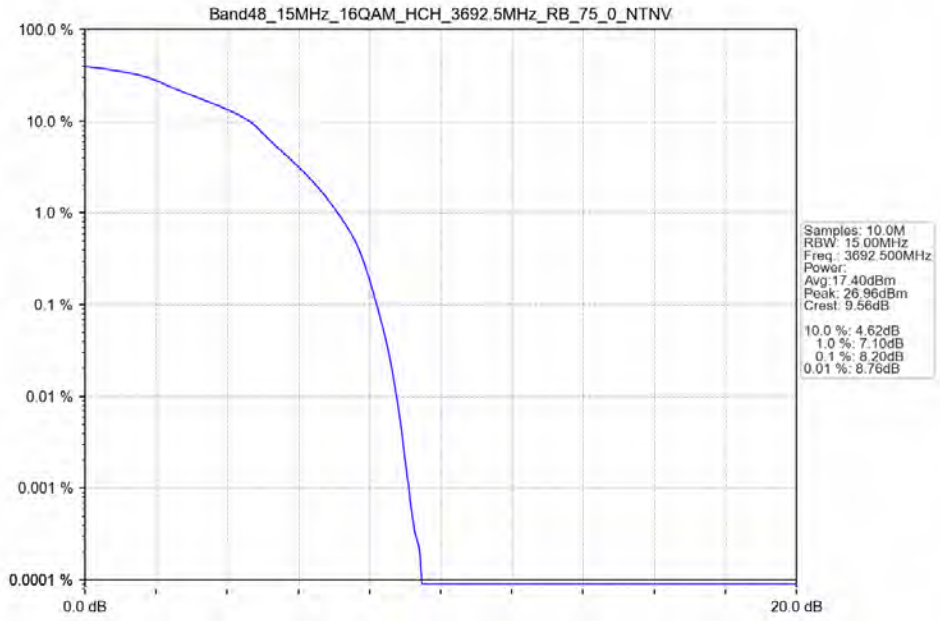
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV

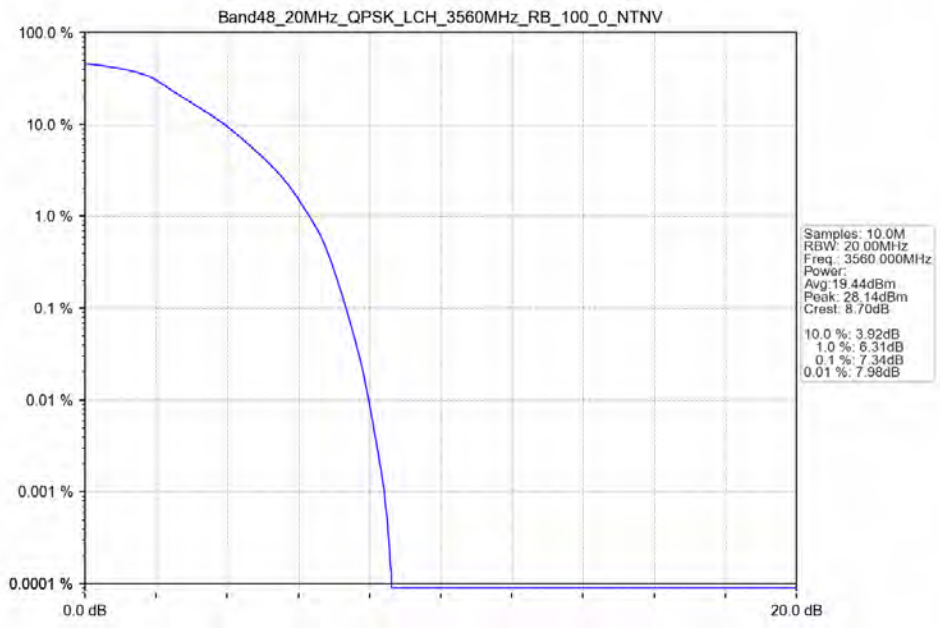


Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

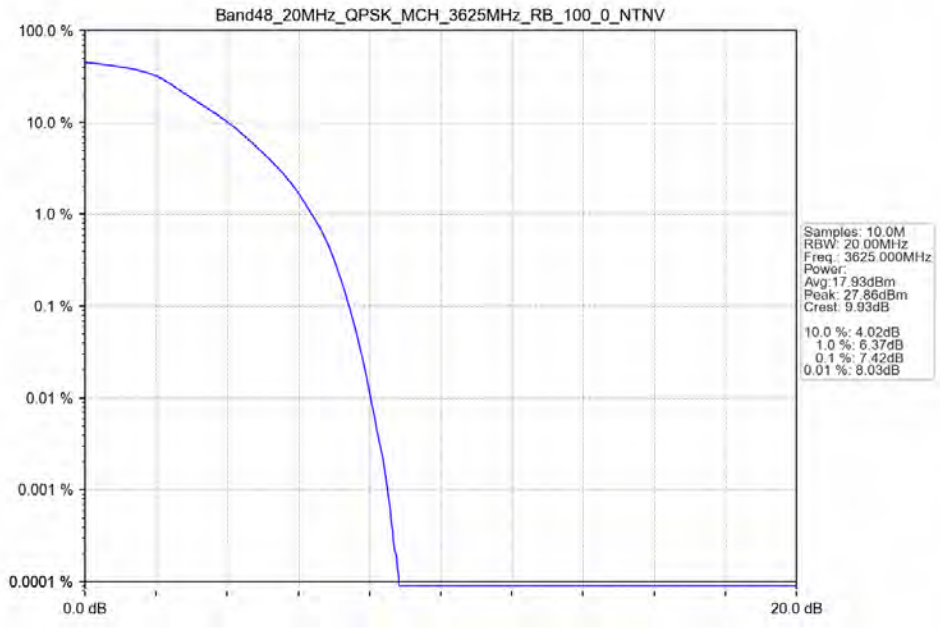


4.2.4 B48_20MHz

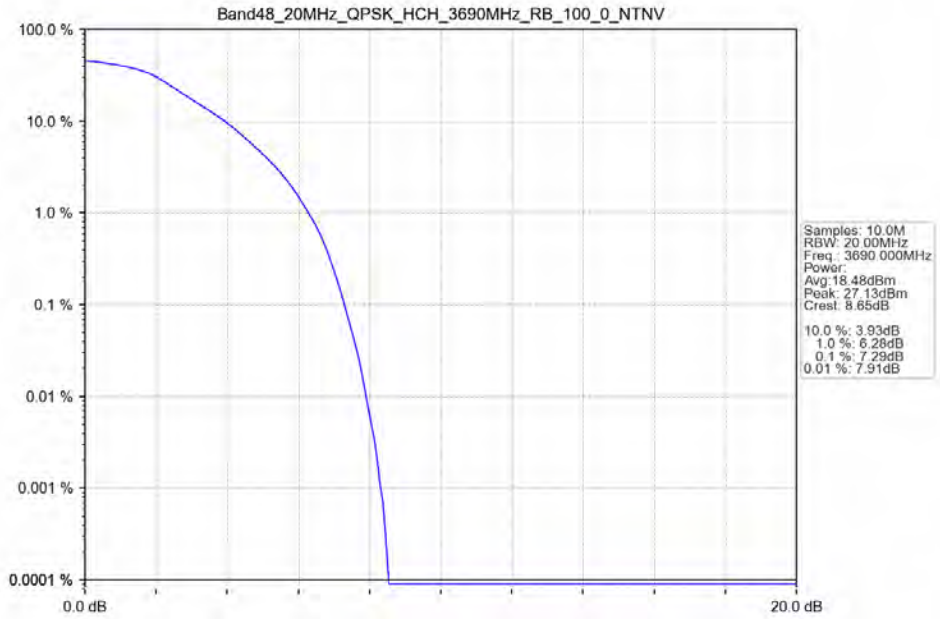
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



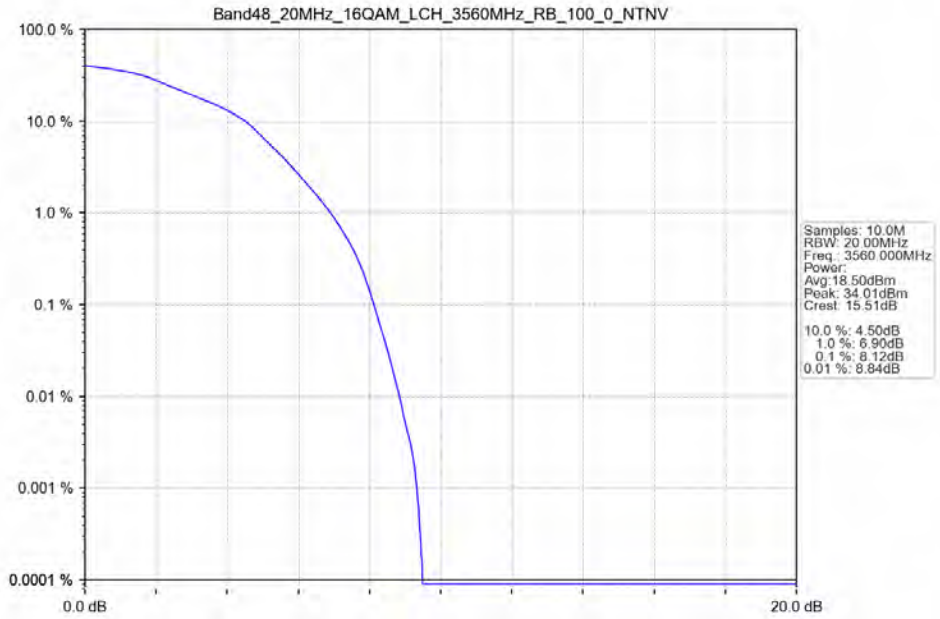
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



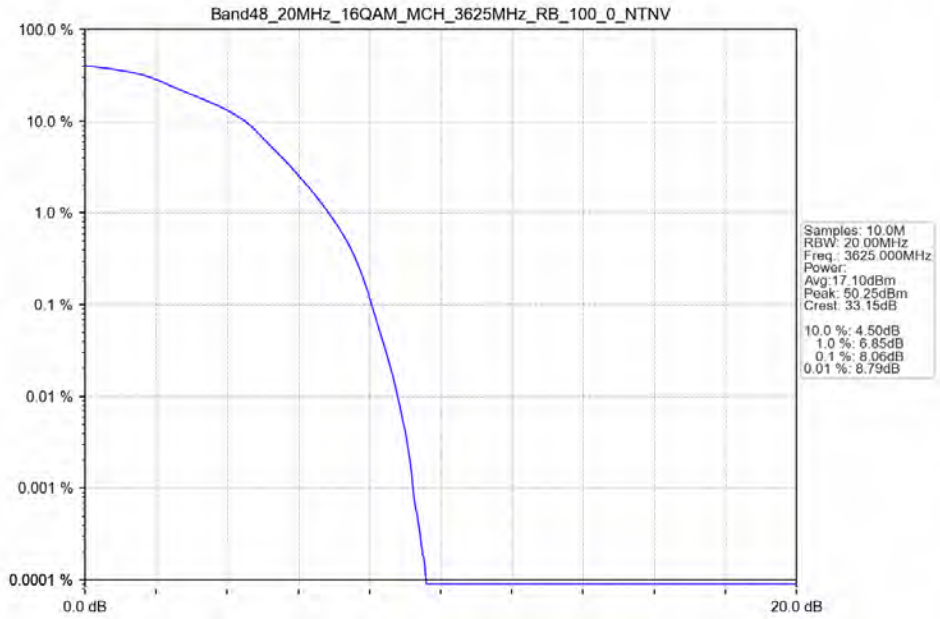
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



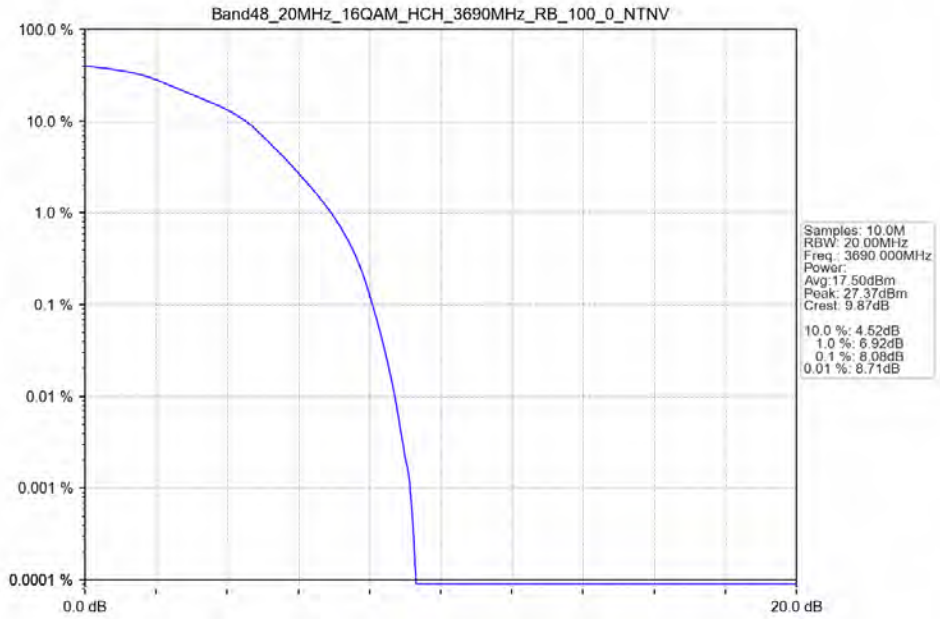
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

4.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

4.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

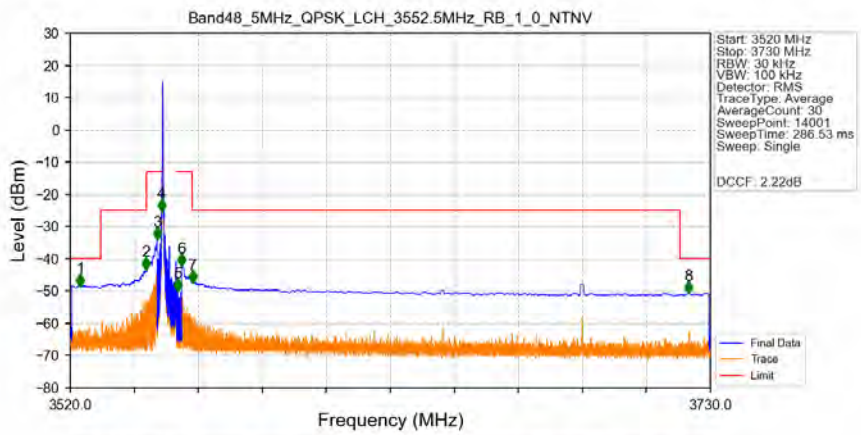
4.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

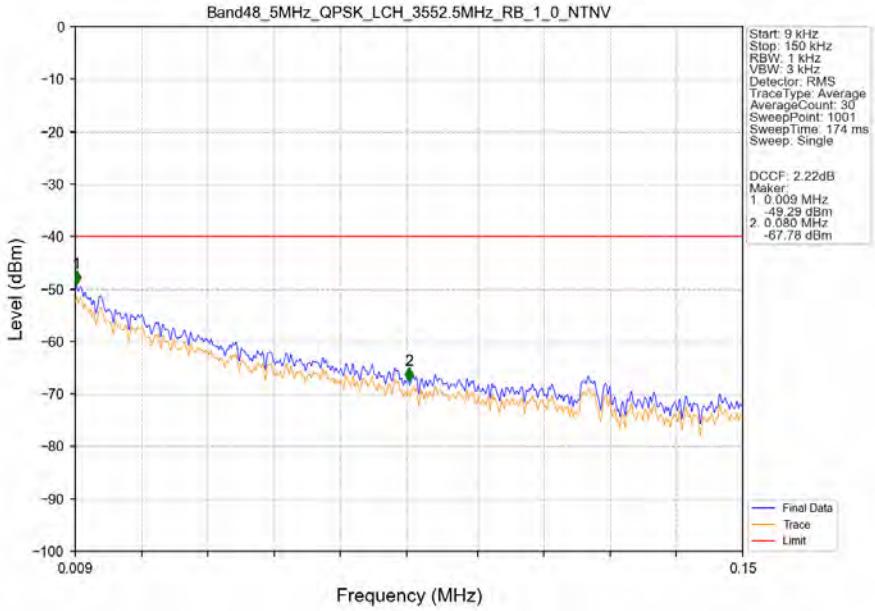
5.2.1 B48_5MHz

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

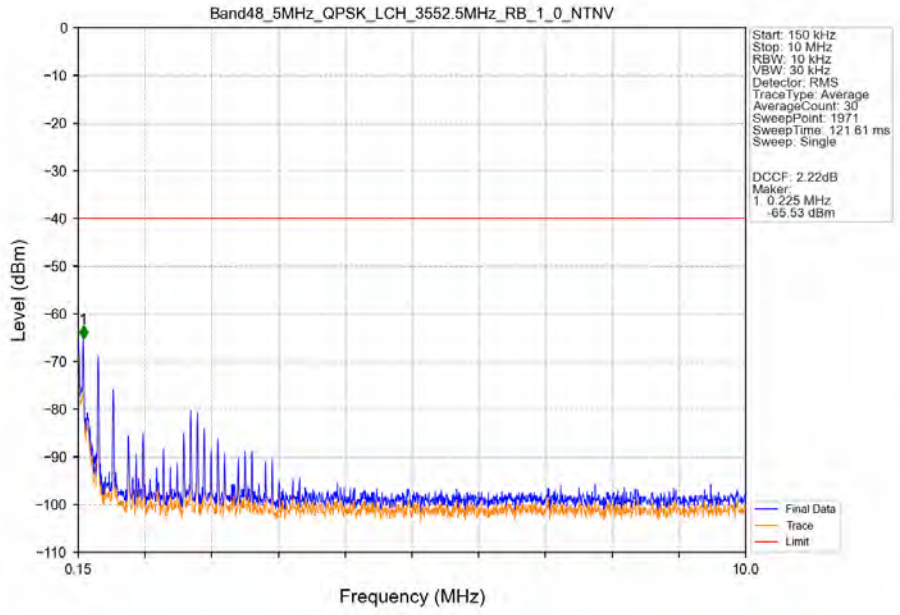


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.270	-48.31	-40	Pass
3530	3545	1	CHP	2	3544.795	-43.09	-25	Pass
3545	3549	1	CHP	3	3548.470	-33.82	-13	Pass
3549	3550	0.03	/	4	3549.985	-24.98	-13	Pass
3550	3555	0.03	/	/	/	/	/	/
3555	3556	0.03	/	5	3555.220	-49.74	-13	Pass
3556	3560	1	CHP	6	3556.525	-42.05	-13	Pass
3560	3720	1	CHP	7	3560.095	-47.16	-25	Pass
3720	3730	1	CHP	8	3722.770	-50.54	-40	Pass

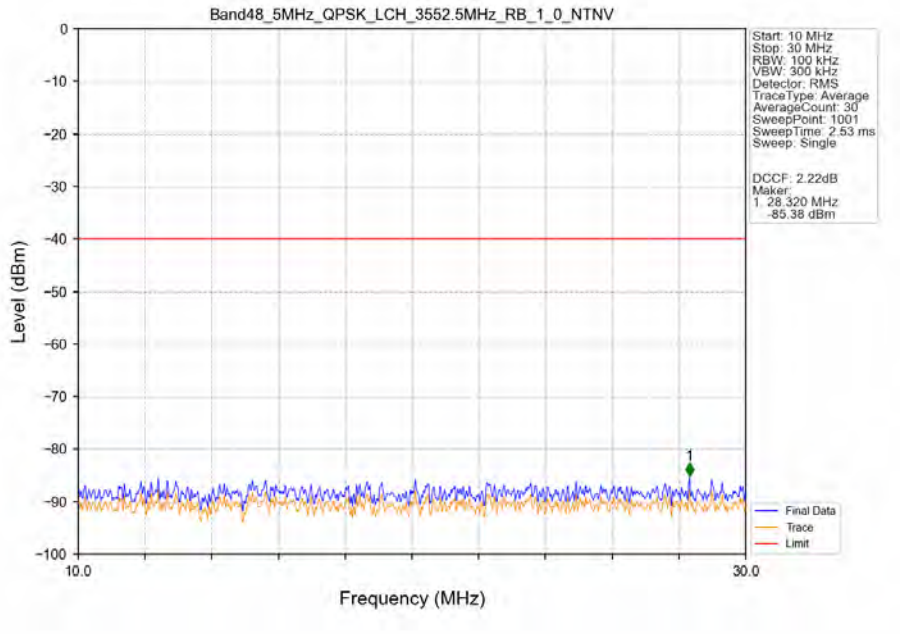
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



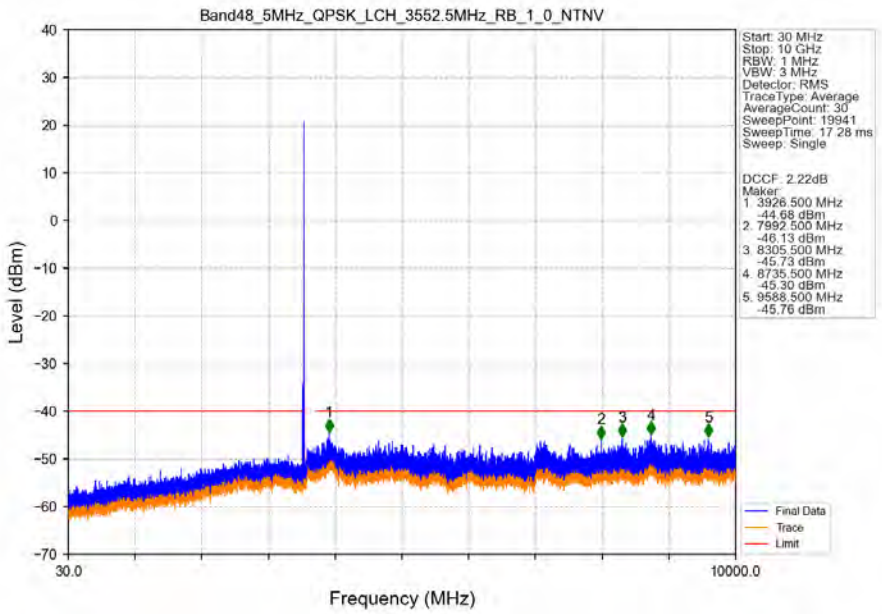
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



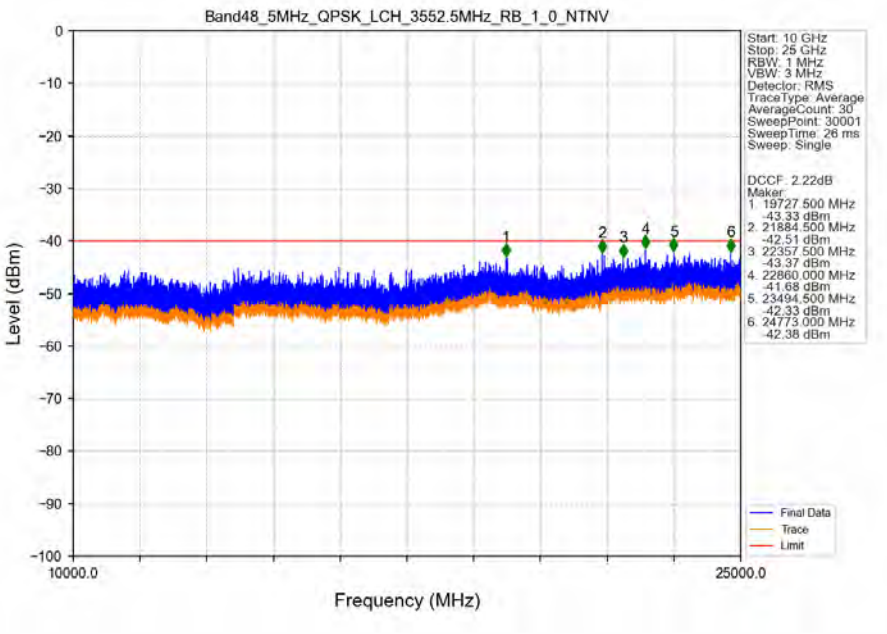
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



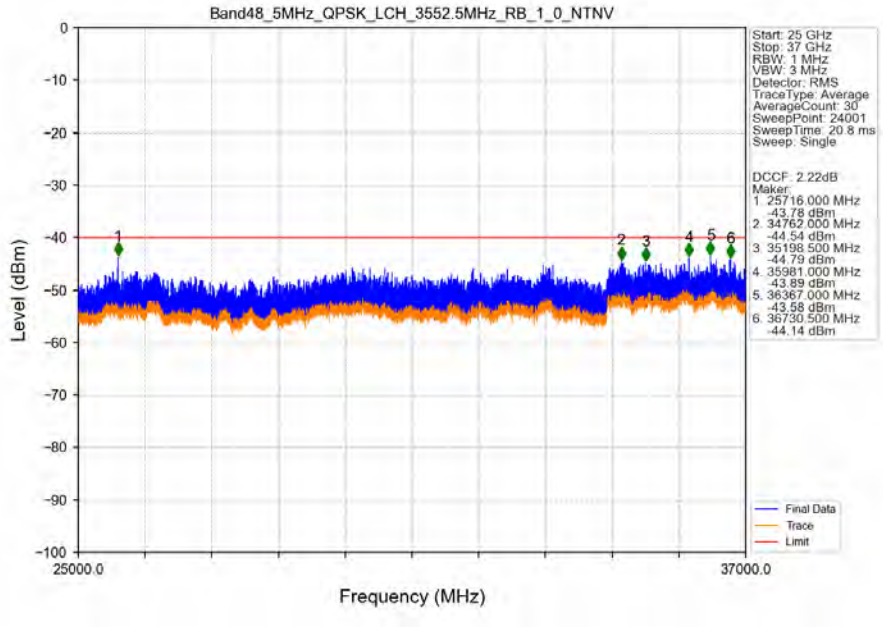
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



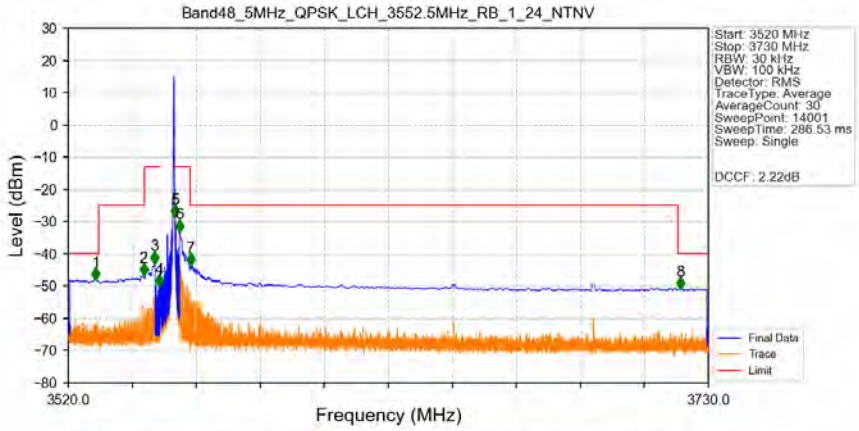
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

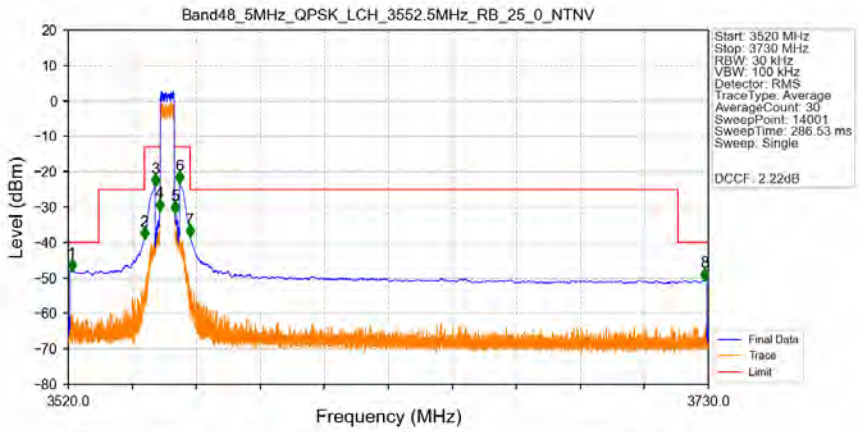


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_24_NTNV



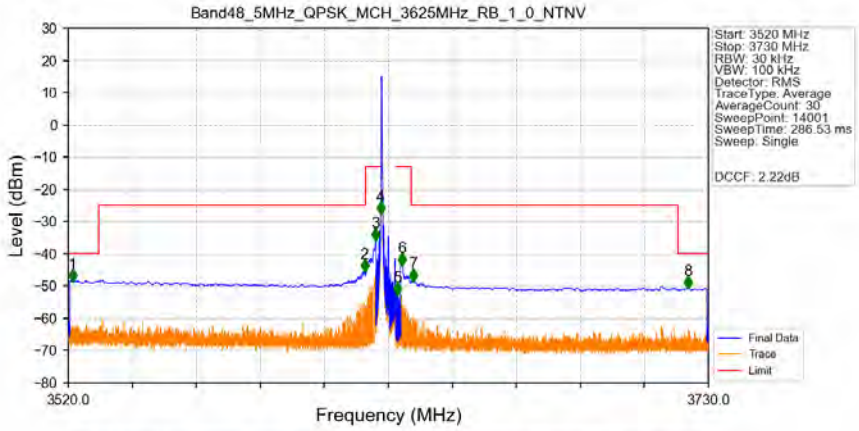
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.985	-47.91	-40	Pass
3530	3545	1	CHP	2	3544.705	-46.54	-25	Pass
3545	3549	1	CHP	3	3548.380	-42.86	-13	Pass
3549	3550	0.03	/	4	3549.850	-50.13	-13	Pass
3550	3555	0.03	/	/	/	/	/	/
3555	3556	0.03	/	5	3555.010	-28.47	-13	Pass
3556	3560	1	CHP	6	3556.510	-32.99	-13	Pass
3560	3720	1	CHP	7	3560.110	-43.51	-25	Pass
3720	3730	1	CHP	8	3720.850	-50.83	-40	Pass

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



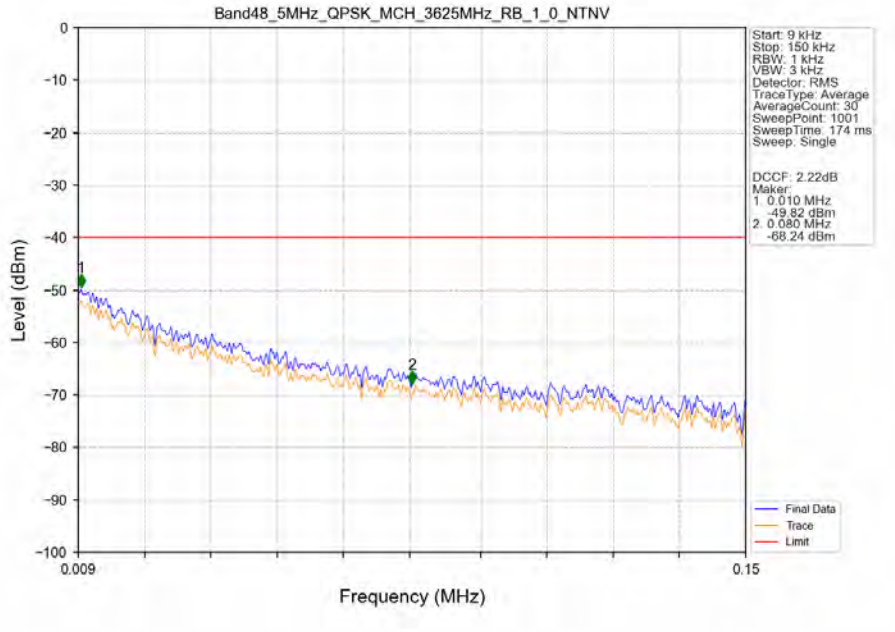
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.185	-47.80	-40	Pass
3530	3545	1	CHP	2	3544.990	-38.85	-25	Pass
3545	3549	1	CHP	3	3548.500	-23.88	-13	Pass
3549	3550	0.051	CHP	4	3549.985	-30.88	-13	Pass
3550	3555	0.051	CHP	/	/	/	/	/
3555	3556	0.051	CHP	5	3555.010	-31.59	-13	Pass
3556	3560	1	CHP	6	3556.510	-23.11	-13	Pass
3560	3720	1	CHP	7	3560.005	-38.23	-25	Pass
3720	3730	1	CHP	8	3728.815	-50.55	-40	Pass

Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

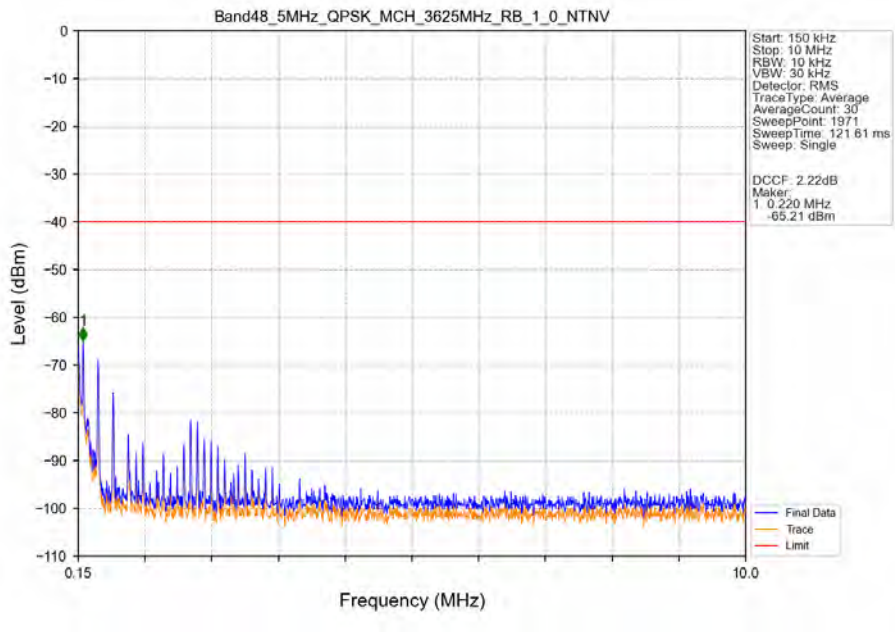


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.470	-48.34	-40	Pass
3530	3617.5	1	CHP	2	3617.200	-45.29	-25	Pass
3617.5	3621.5	1	CHP	3	3620.875	-35.68	-13	Pass
3621.5	3622.5	0.03	/	4	3622.495	-27.47	-13	Pass
3622.5	3627.5	0.03	/	/	/	/	/	/
3627.5	3628.5	0.03	/	5	3627.970	-52.57	-13	Pass
3628.5	3632.5	1	CHP	6	3629.470	-43.39	-13	Pass
3632.5	3720	1	CHP	7	3633.295	-48.31	-25	Pass
3720	3730	1	CHP	8	3723.220	-50.56	-40	Pass

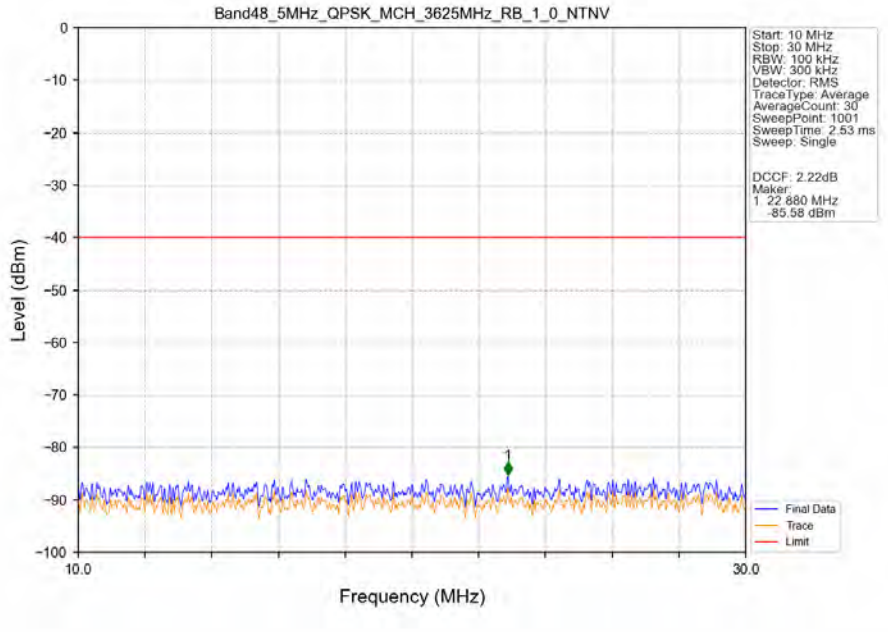
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



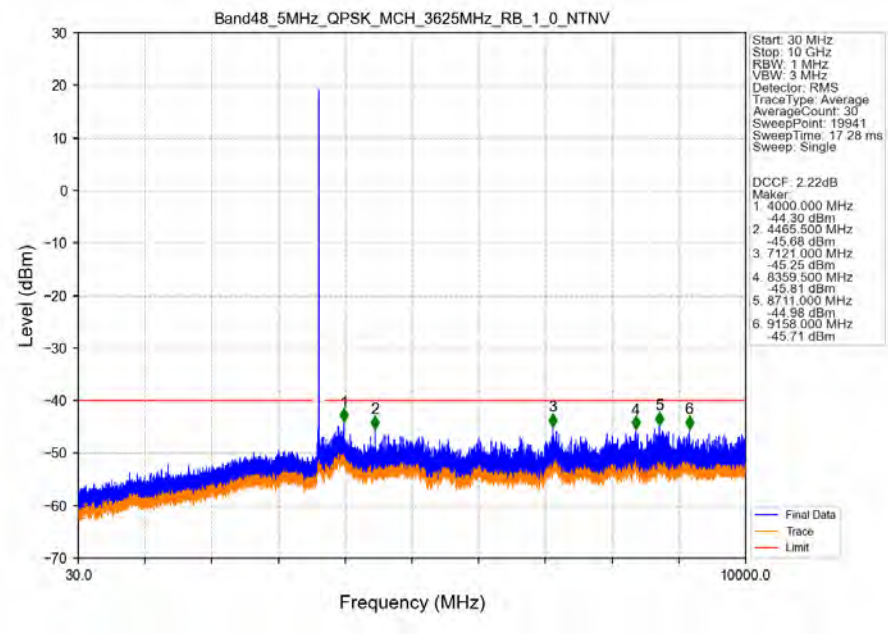
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



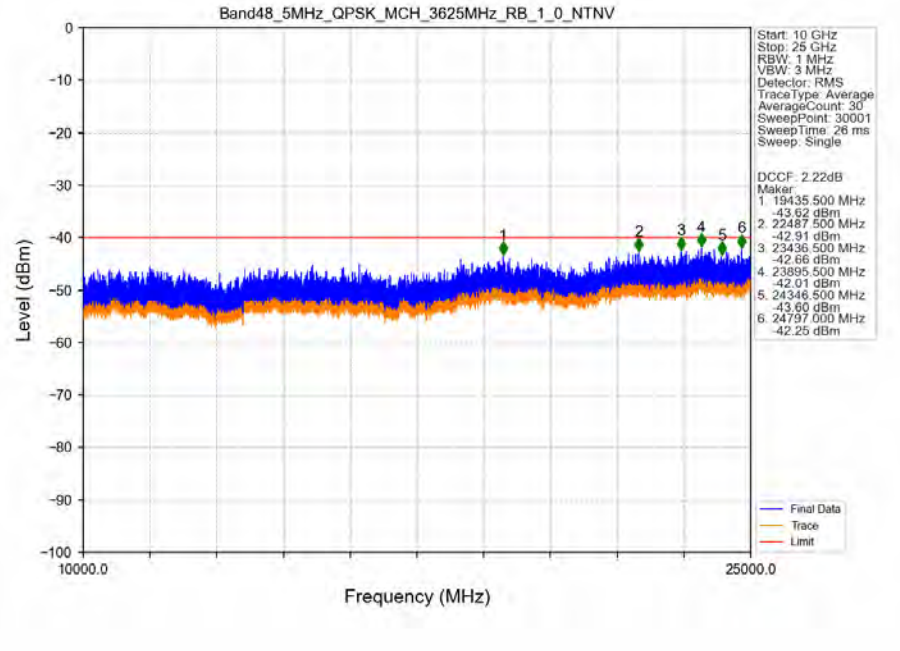
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



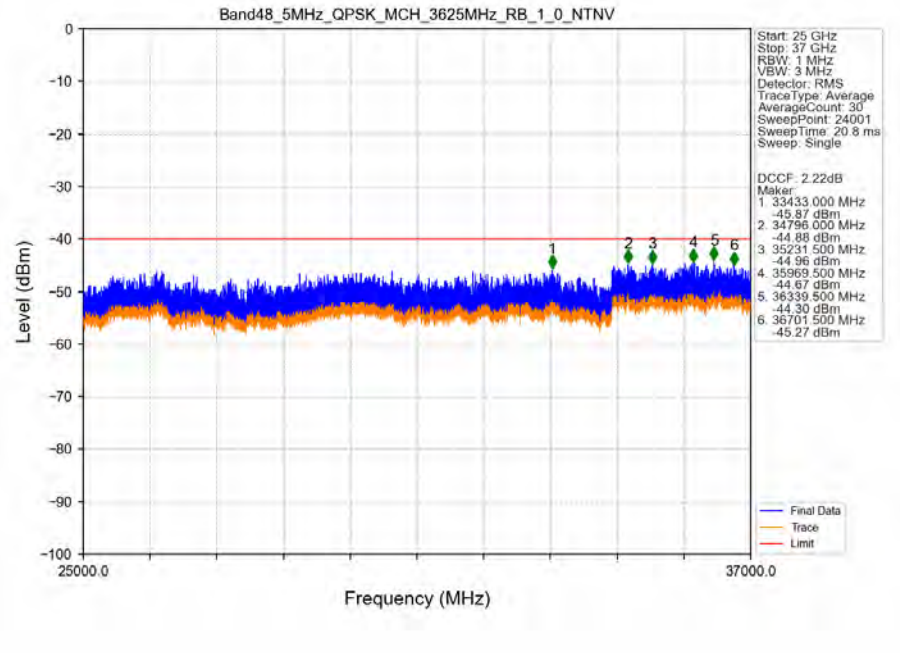
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



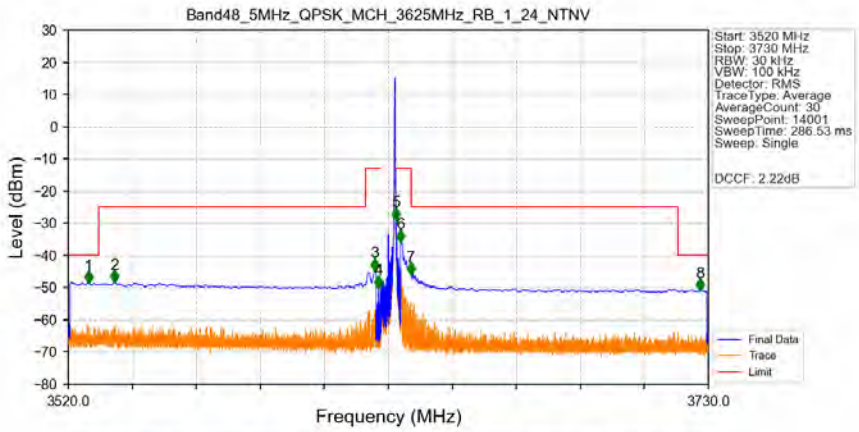
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

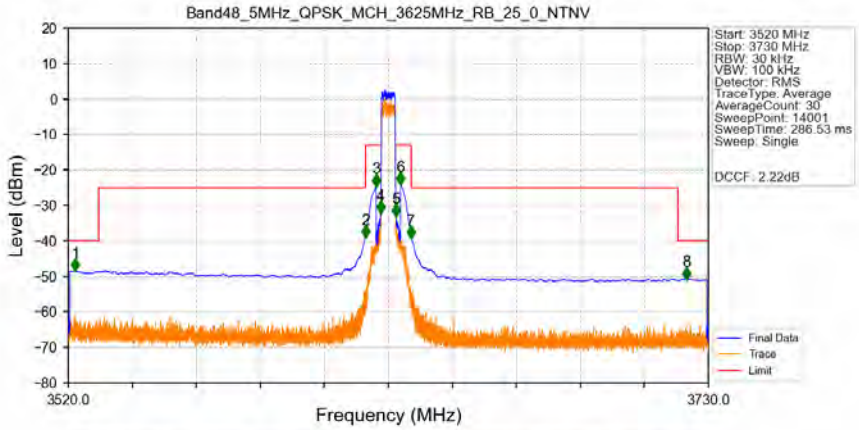


Band48_5MHz_QPSK_MCH_3625MHz_RB_1_24_NTNV



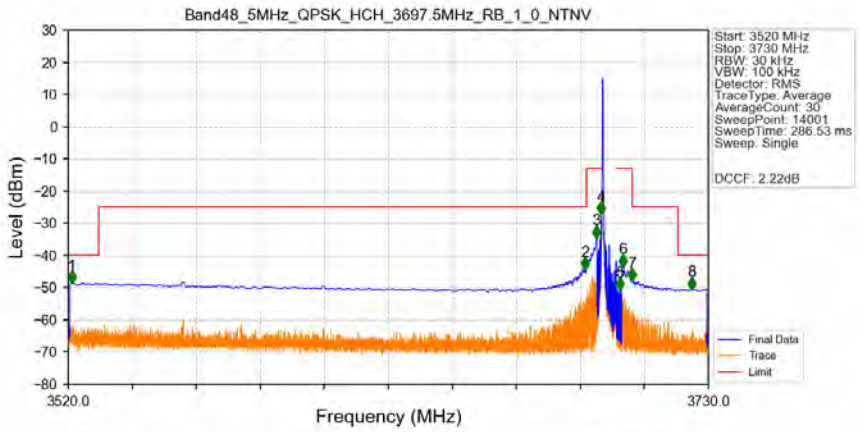
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.645	-48.40	-40	Pass
3530	3617.5	1	CHP	2	3535.210	-48.13	-25	Pass
3617.5	3621.5	1	CHP	3	3620.575	-44.49	-13	Pass
3621.5	3622.5	0.03	/	4	3621.835	-49.90	-13	Pass
3622.5	3627.5	0.03	/	/	/	/	/	/
3627.5	3628.5	0.03	/	5	3627.550	-28.81	-13	Pass
3628.5	3632.5	1	CHP	6	3629.005	-35.56	-13	Pass
3632.5	3720	1	CHP	7	3632.515	-45.81	-25	Pass
3720	3730	1	CHP	8	3727.285	-50.70	-40	Pass

Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



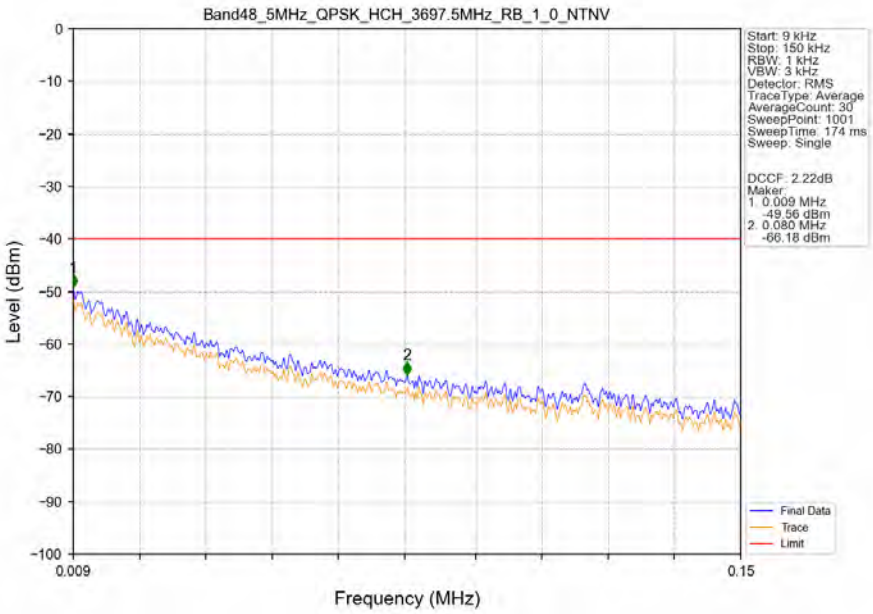
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.265	-48.35	-40	Pass
3530	3617.5	1	CHP	2	3617.500	-38.95	-25	Pass
3617.5	3621.5	1	CHP	3	3620.995	-24.47	-13	Pass
3621.5	3622.5	0.048	CHP	4	3622.480	-32.09	-13	Pass
3622.5	3627.5	0.048	CHP	/	/	/	/	/
3627.5	3628.5	0.048	CHP	5	3627.535	-32.90	-13	Pass
3628.5	3632.5	1	CHP	6	3629.005	-23.86	-13	Pass
3632.5	3720	1	CHP	7	3632.515	-39.05	-25	Pass
3720	3730	1	CHP	8	3722.785	-50.72	-40	Pass

Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

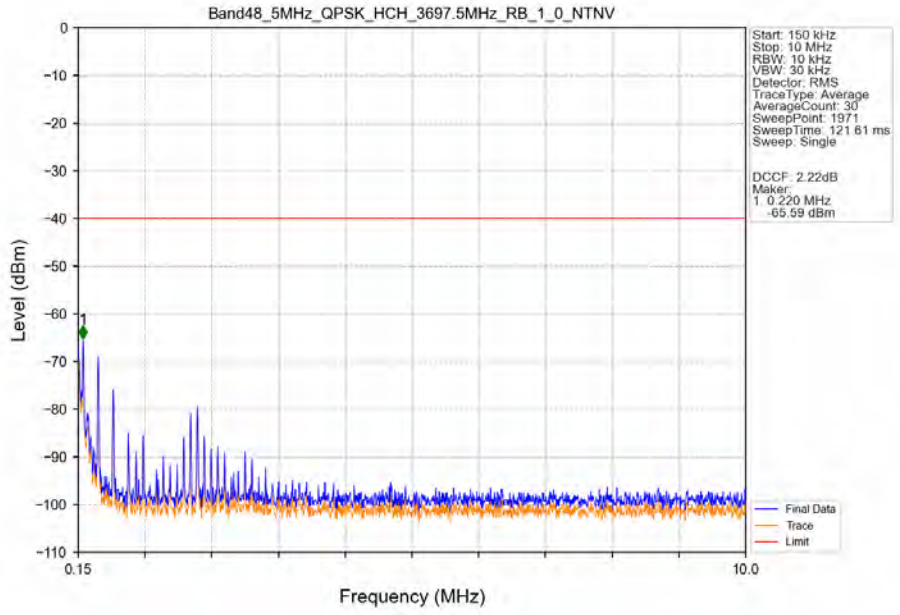


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.230	-48.43	-40	Pass
3530	3690	1	CHP	2	3689.485	-44.09	-25	Pass
3690	3694	1	CHP	3	3693.325	-34.42	-13	Pass
3694	3695	0.03	/	4	3694.870	-27.03	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.975	-50.44	-13	Pass
3701	3705	1	CHP	6	3701.995	-43.35	-13	Pass
3705	3720	1	CHP	7	3705.010	-47.64	-25	Pass
3720	3730	1	CHP	8	3724.540	-50.38	-40	Pass

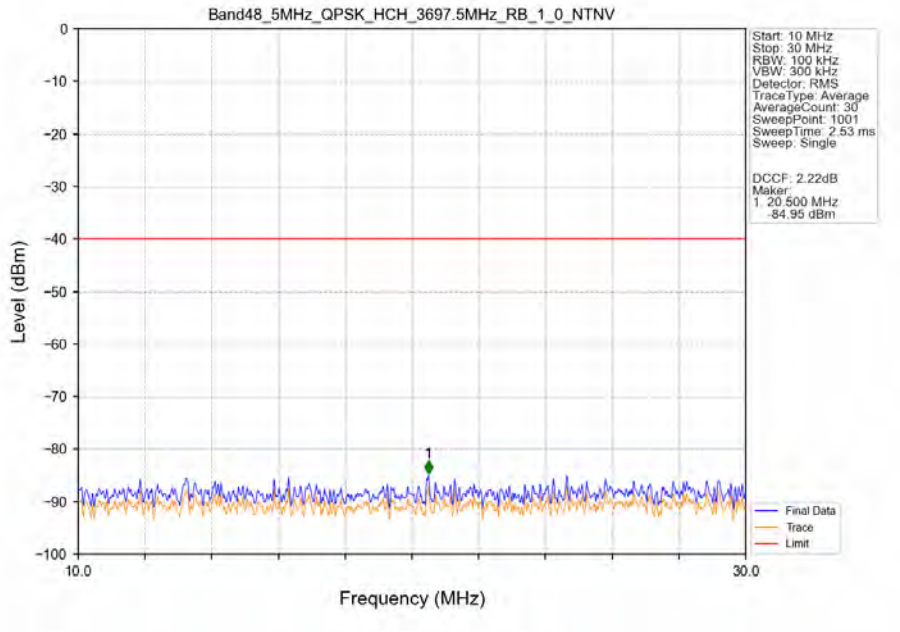
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



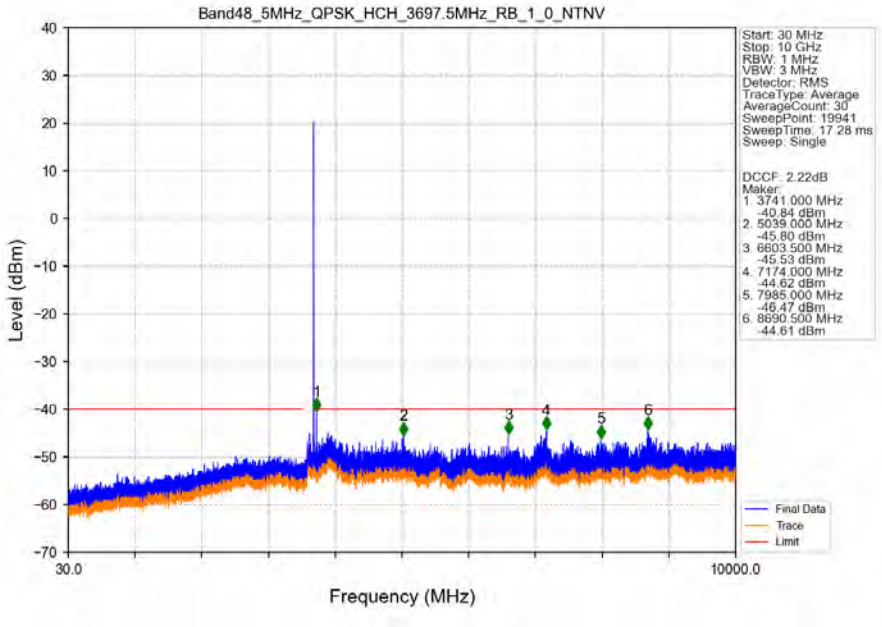
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



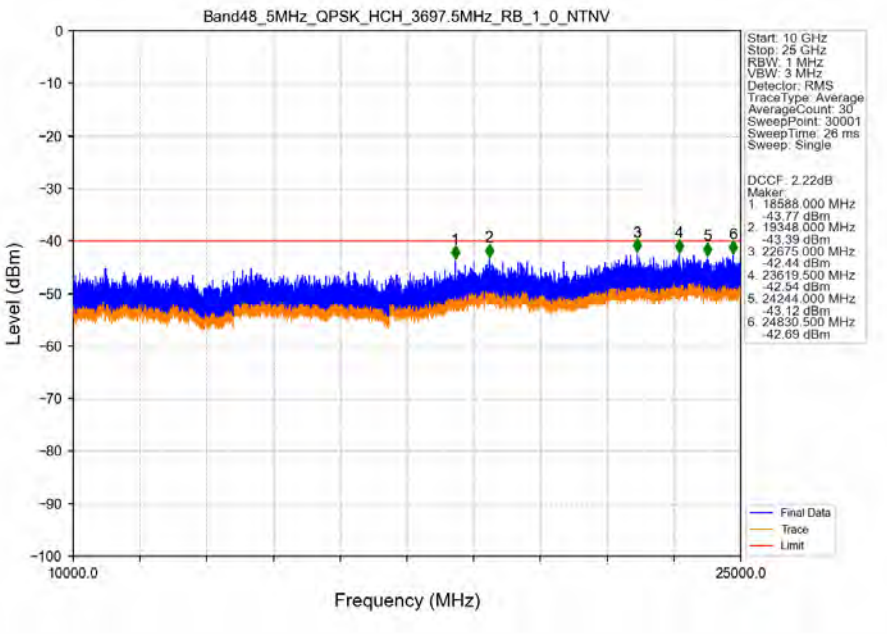
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



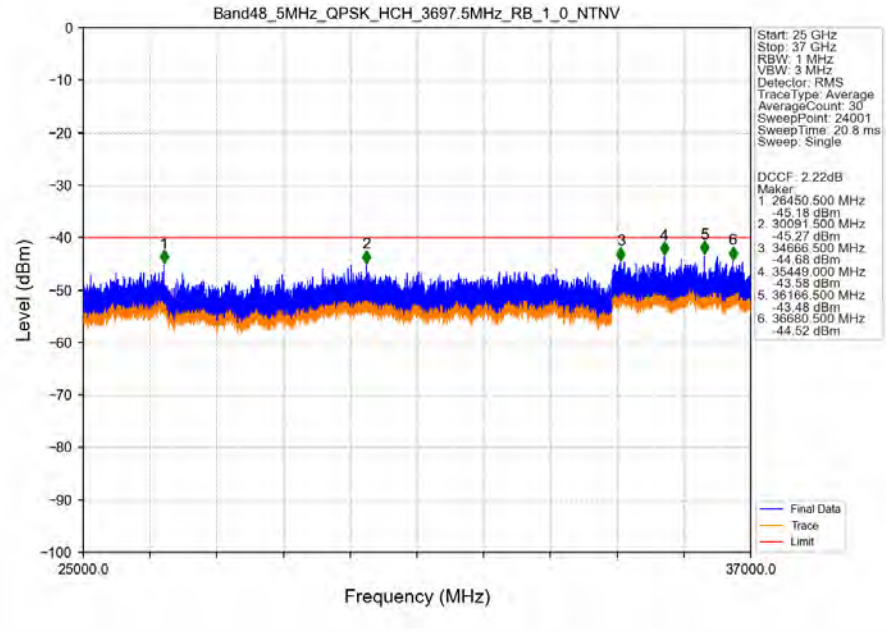
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



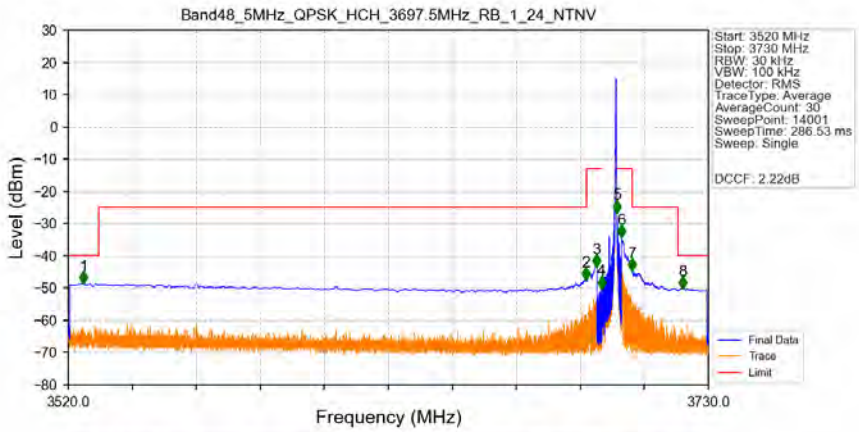
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

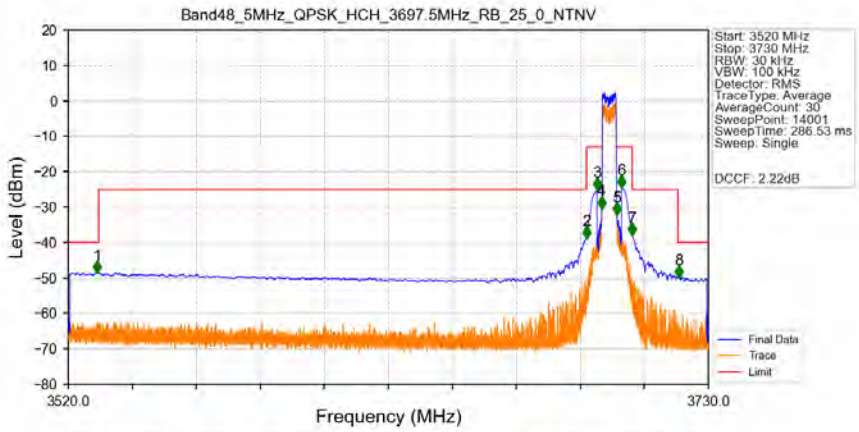


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.070	-48.37	-40	Pass
3530	3690	1	CHP	2	3689.800	-47.23	-25	Pass
3690	3694	1	CHP	3	3693.175	-43.17	-13	Pass
3694	3695	0.03	/	4	3694.915	-49.91	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.015	-26.40	-13	Pass
3701	3705	1	CHP	6	3701.500	-34.10	-13	Pass
3705	3720	1	CHP	7	3705.010	-44.48	-25	Pass
3720	3730	1	CHP	8	3721.540	-49.97	-40	Pass

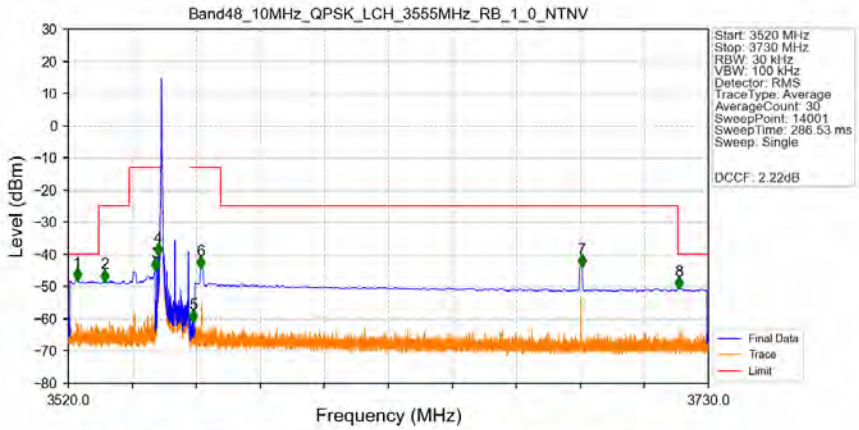
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.540	-48.45	-40	Pass
3530	3690	1	CHP	2	3689.965	-38.64	-25	Pass
3690	3694	1	CHP	3	3693.490	-24.94	-13	Pass
3694	3695	0.05	CHP	4	3694.990	-30.24	-13	Pass
3695	3700	0.05	CHP	/	/	/	/	/
3700	3701	0.05	CHP	5	3700.015	-32.08	-13	Pass
3701	3705	1	CHP	6	3701.515	-24.37	-13	Pass
3705	3720	1	CHP	7	3705.010	-37.88	-25	Pass
3720	3730	1	CHP	8	3720.310	-49.81	-40	Pass

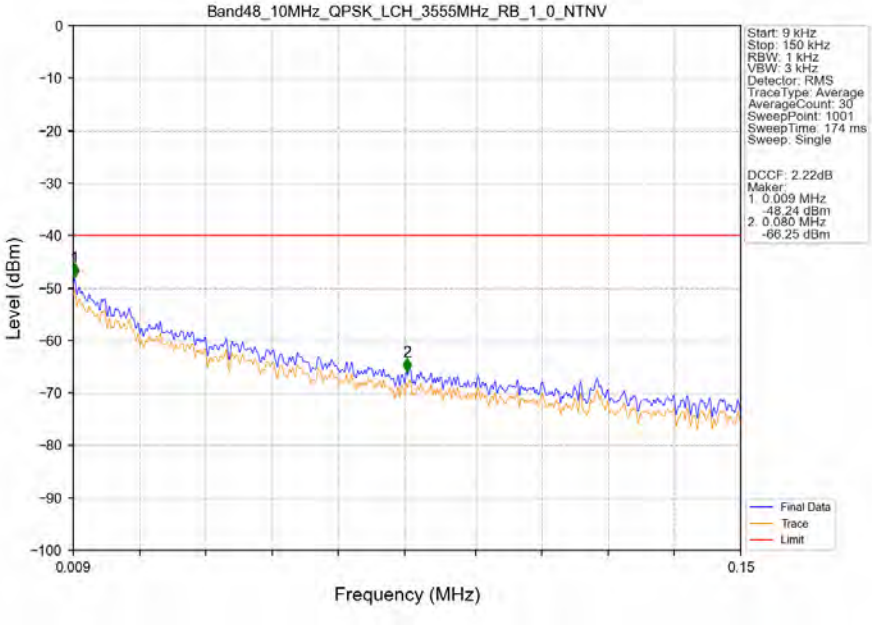
5.2.2 B48_10MHz

Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

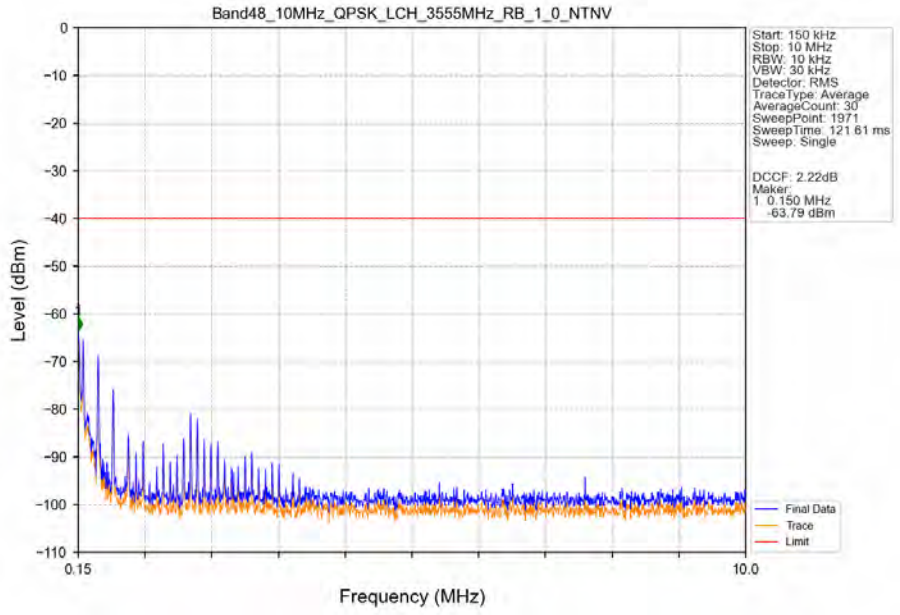


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.925	-47.89	-40	Pass
3530	3540	1	CHP	2	3532.000	-48.28	-25	Pass
3540	3549	1	CHP	3	3548.485	-44.94	-13	Pass
3549	3550	0.03	/	4	3549.415	-40.18	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.905	-60.85	-13	Pass
3561	3570	1	CHP	6	3563.530	-44.17	-13	Pass
3570	3720	1	CHP	7	3688.555	-43.64	-25	Pass
3720	3730	1	CHP	8	3720.265	-50.46	-40	Pass

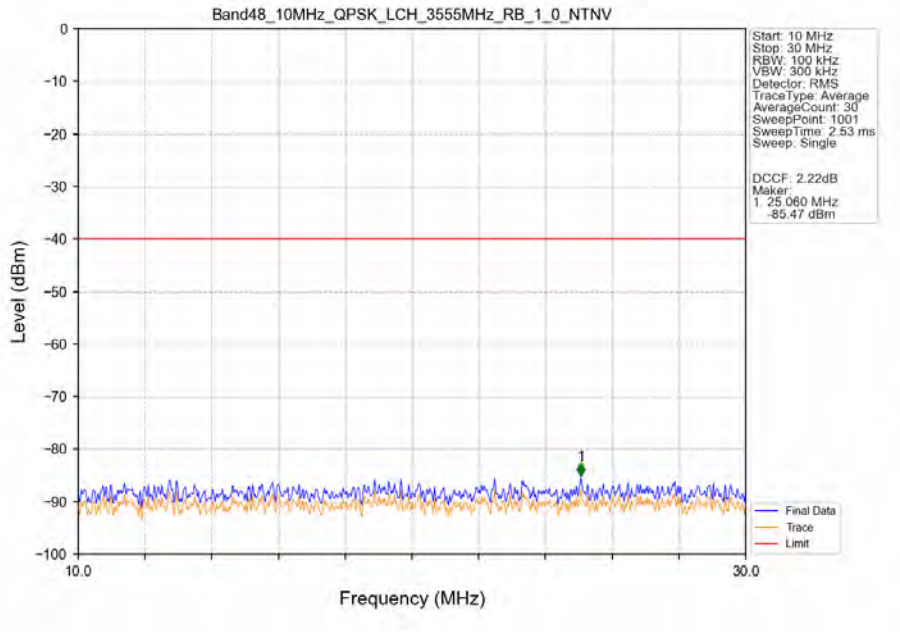
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



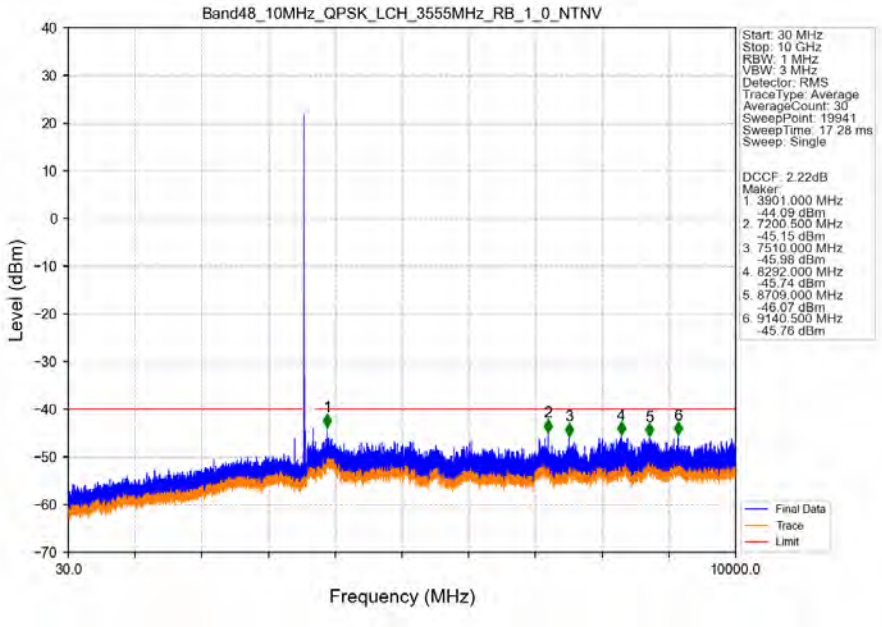
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



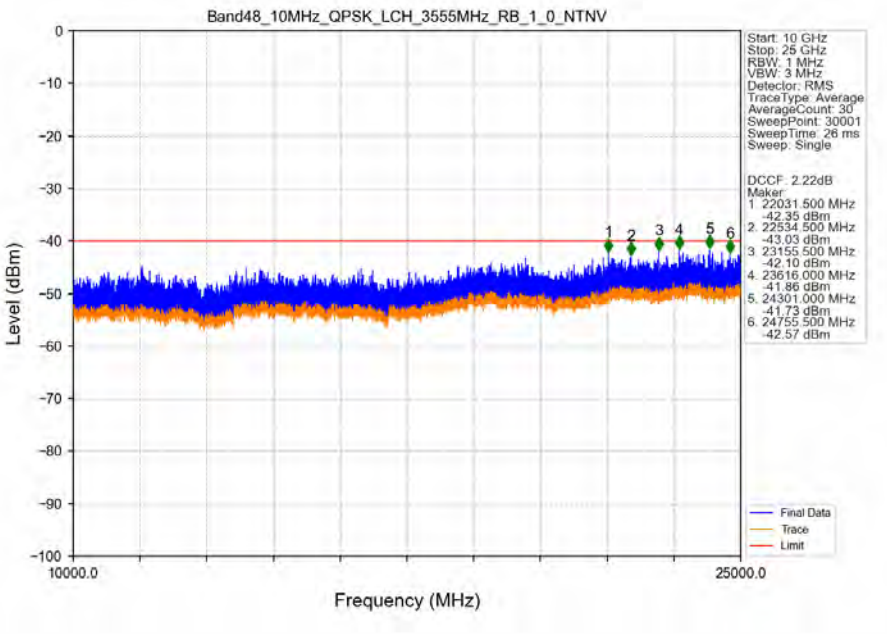
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



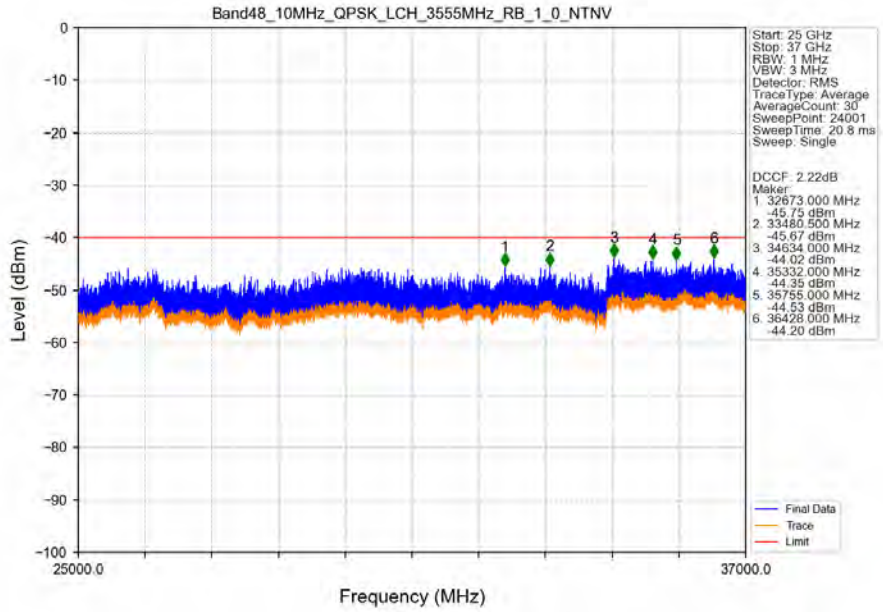
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



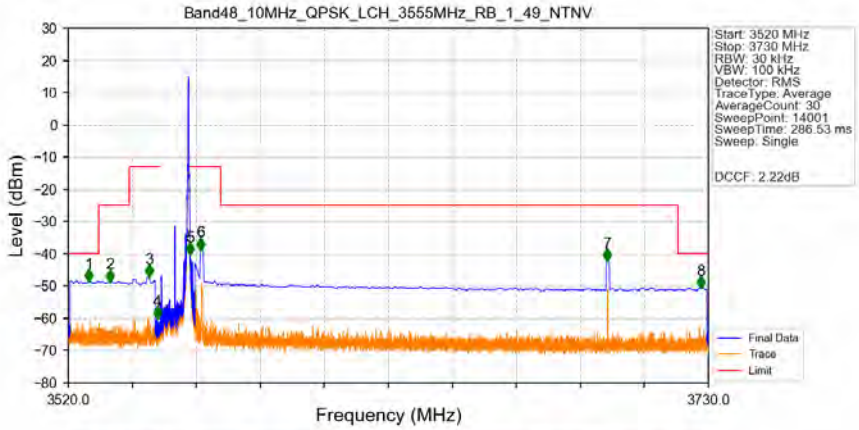
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

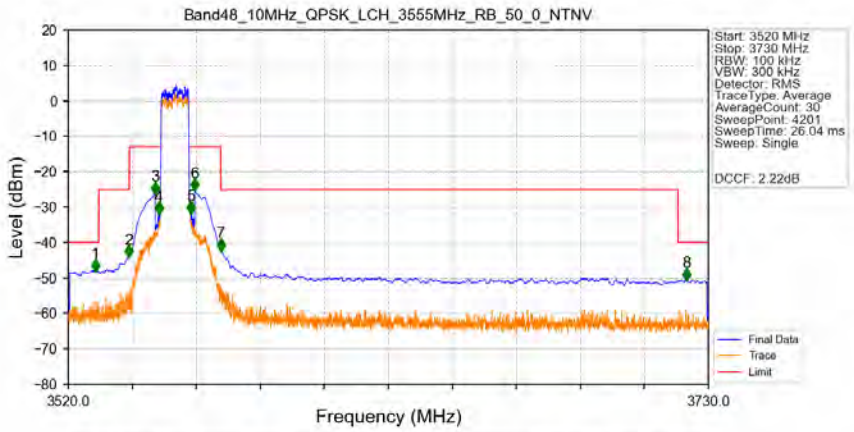


Band48_10MHz_QPSK_LCH_3555MHz_RB_1_49_NTNV



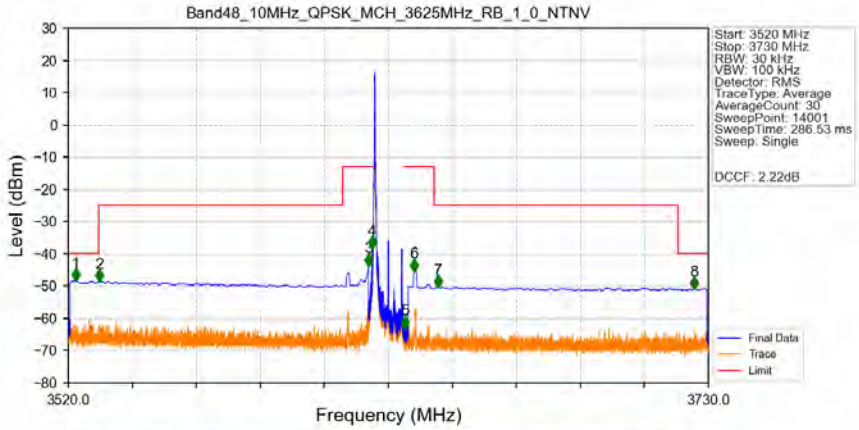
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.795	-48.40	-40	Pass
3530	3540	1	CHP	2	3533.755	-48.53	-25	Pass
3540	3549	1	CHP	3	3546.490	-47.02	-13	Pass
3549	3550	0.03	/	4	3549.190	-59.88	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.020	-40.10	-13	Pass
3561	3570	1	CHP	6	3563.530	-38.67	-13	Pass
3570	3720	1	CHP	7	3696.850	-42.05	-25	Pass
3720	3730	1	CHP	8	3727.495	-50.50	-40	Pass

Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



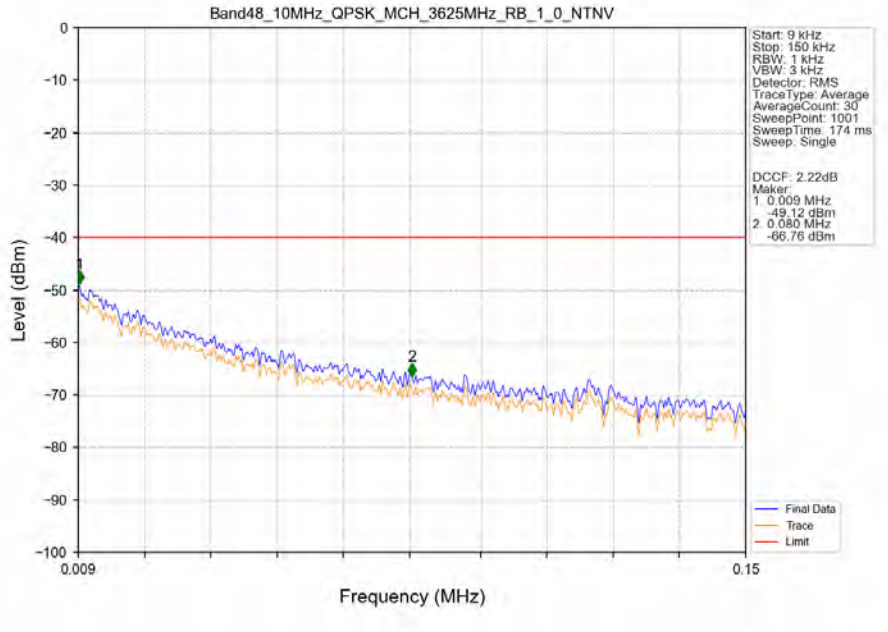
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.950	-47.94	-40	Pass
3530	3540	1	CHP	2	3539.850	-43.99	-25	Pass
3540	3549	1	CHP	3	3548.500	-26.16	-13	Pass
3549	3550	0.1	/	4	3549.750	-31.77	-13	Pass
3550	3560	0.1	/	/	/	/	/	/
3560	3561	0.1	/	5	3560.150	-31.58	-13	Pass
3561	3570	1	CHP	6	3561.500	-25.15	-13	Pass
3570	3720	1	CHP	7	3570.050	-42.18	-25	Pass
3720	3730	1	CHP	8	3722.800	-50.55	-40	Pass

Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

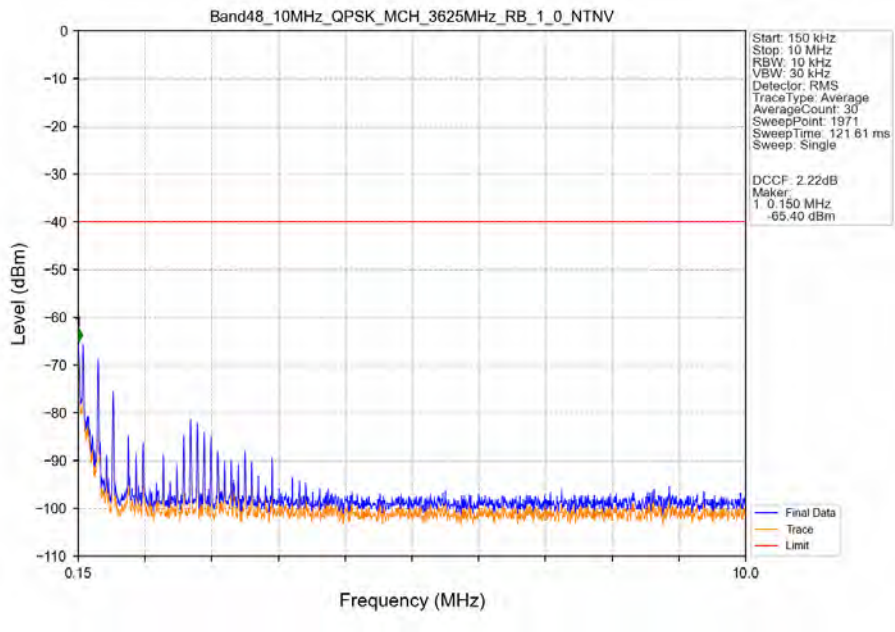


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.400	-48.11	-40	Pass
3530	3610	1	CHP	2	3530.245	-48.48	-25	Pass
3610	3619	1	CHP	3	3618.490	-43.61	-13	Pass
3619	3620	0.03	/	4	3619.795	-38.11	-13	Pass
3620	3630	0.03	/	/	/	/	/	/
3630	3631	0.03	/	5	3630.505	-62.88	-13	Pass
3631	3640	1	CHP	6	3633.490	-45.23	-13	Pass
3640	3720	1	CHP	7	3641.350	-50.20	-25	Pass
3720	3730	1	CHP	8	3725.335	-50.67	-40	Pass

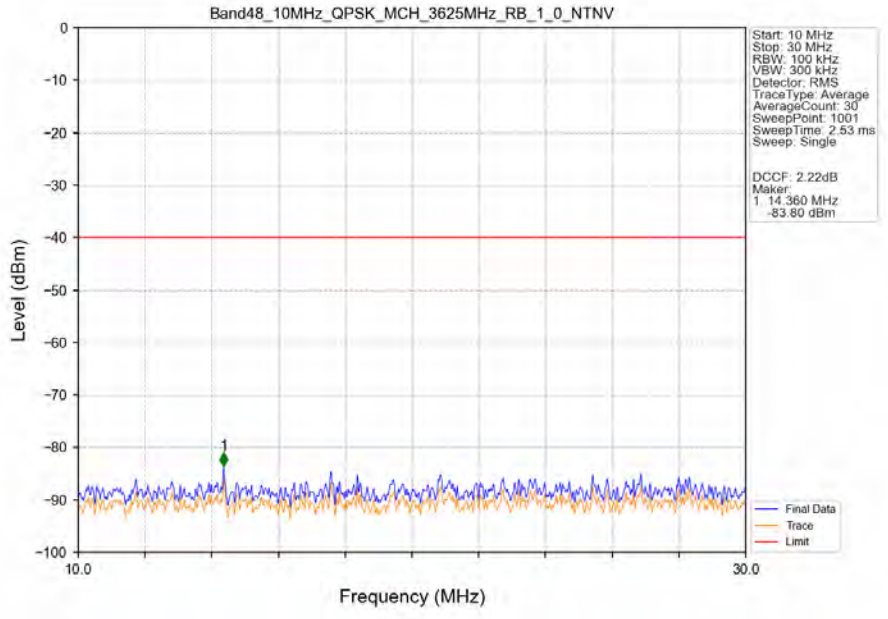
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



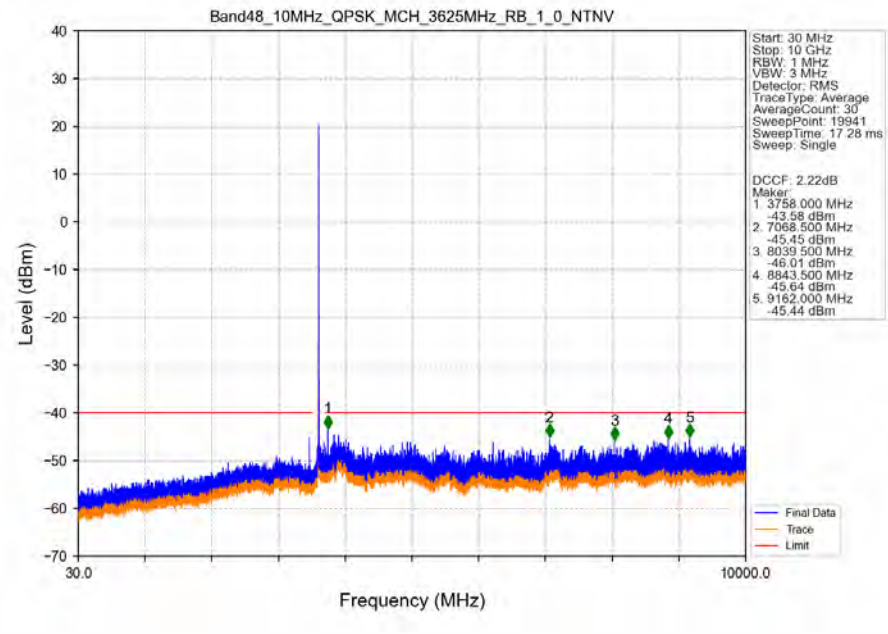
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



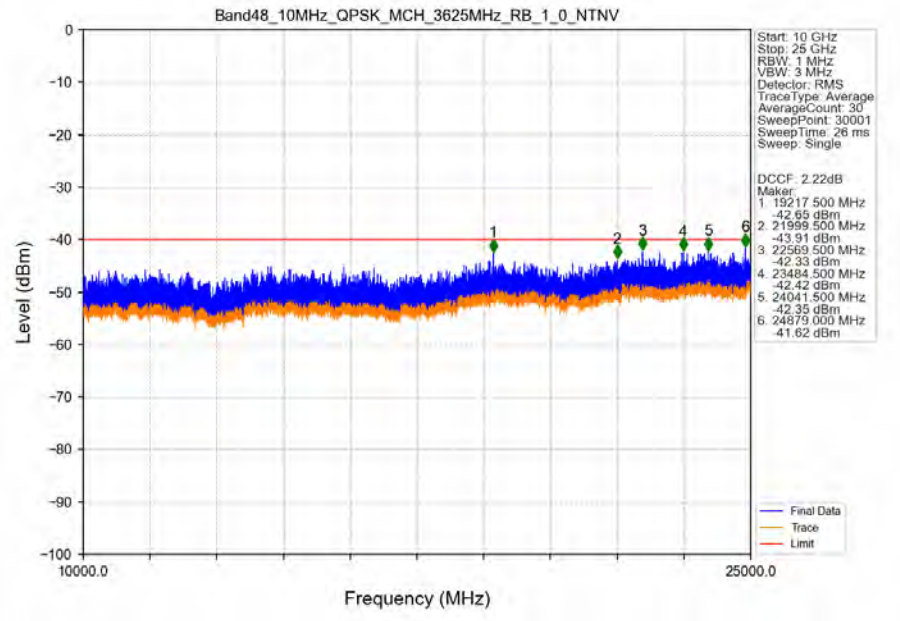
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



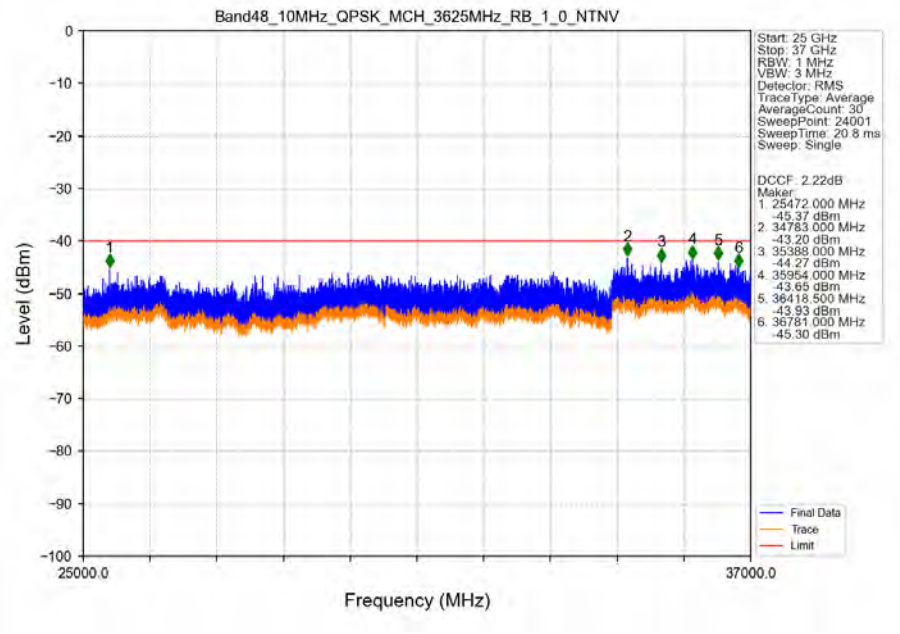
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



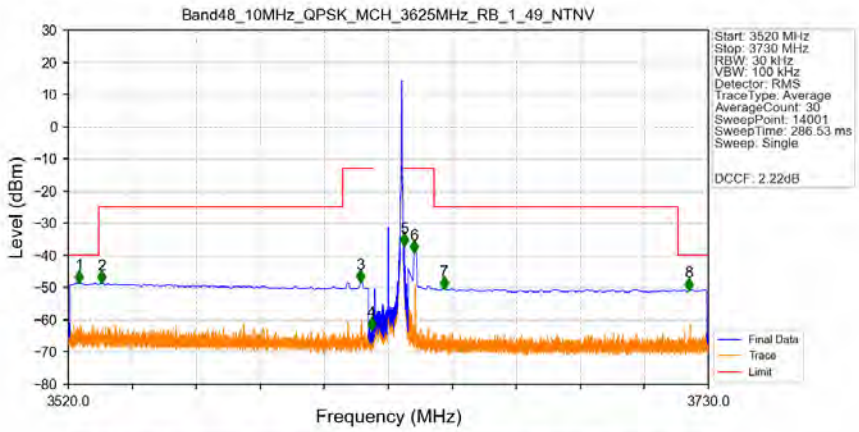
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

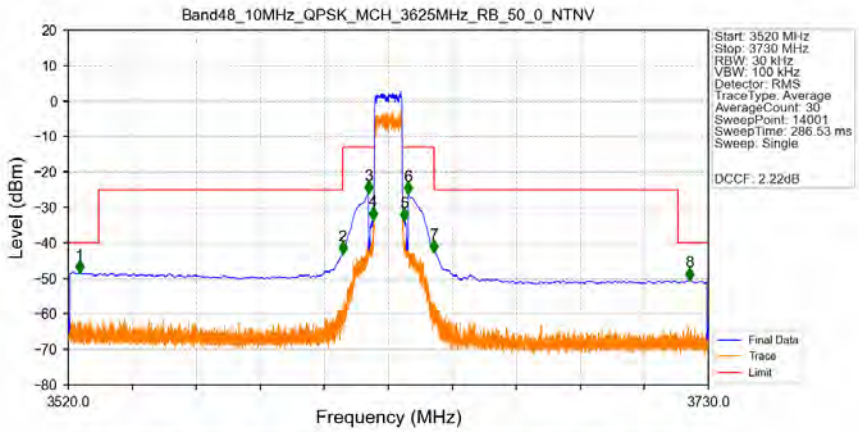


Band48_10MHz_QPSK_MCH_3625MHz_RB_1_49_NTNV



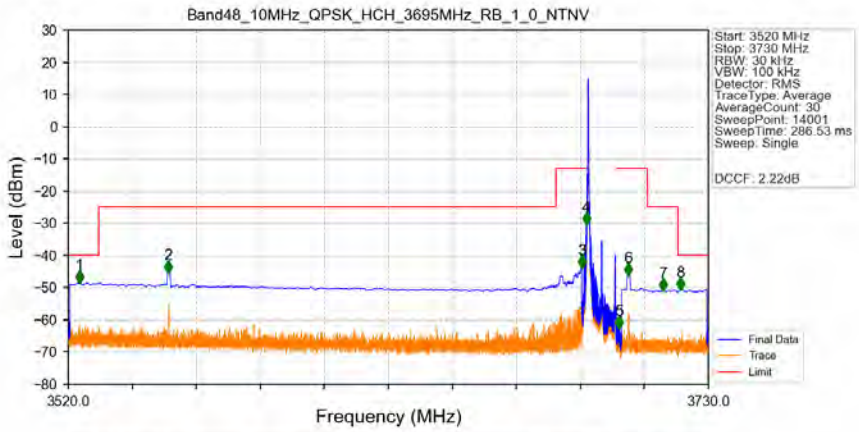
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.570	-48.30	-40	Pass
3530	3610	1	CHP	2	3530.920	-48.35	-25	Pass
3610	3619	1	CHP	3	3615.910	-48.16	-13	Pass
3619	3620	0.03	/	4	3619.510	-62.99	-13	Pass
3620	3630	0.03	/	/	/	/	/	/
3630	3631	0.03	/	5	3630.190	-36.88	-13	Pass
3631	3640	1	CHP	6	3633.490	-38.97	-13	Pass
3640	3720	1	CHP	7	3643.315	-50.21	-25	Pass
3720	3730	1	CHP	8	3723.625	-50.64	-40	Pass

Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



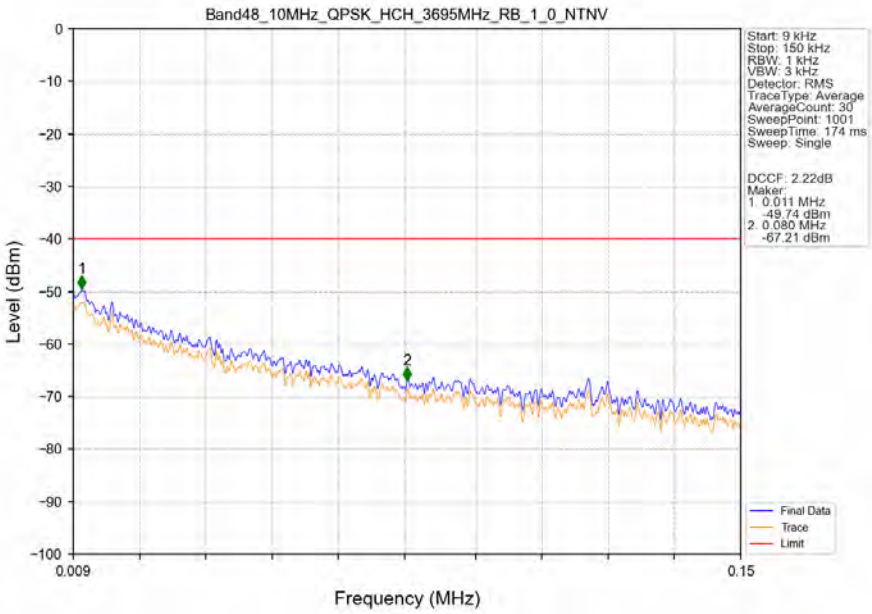
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.645	-48.25	-40	Pass
3530	3610	1	CHP	2	3610.000	-43.00	-25	Pass
3610	3619	1	CHP	3	3618.490	-25.84	-13	Pass
3619	3620	0.097	CHP	4	3619.990	-33.19	-13	Pass
3620	3630	0.097	CHP	/	/	/	/	/
3630	3631	0.097	CHP	5	3630.160	-33.53	-13	Pass
3631	3640	1	CHP	6	3631.510	-26.11	-13	Pass
3640	3720	1	CHP	7	3640.015	-42.47	-25	Pass
3720	3730	1	CHP	8	3723.805	-50.34	-40	Pass

Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

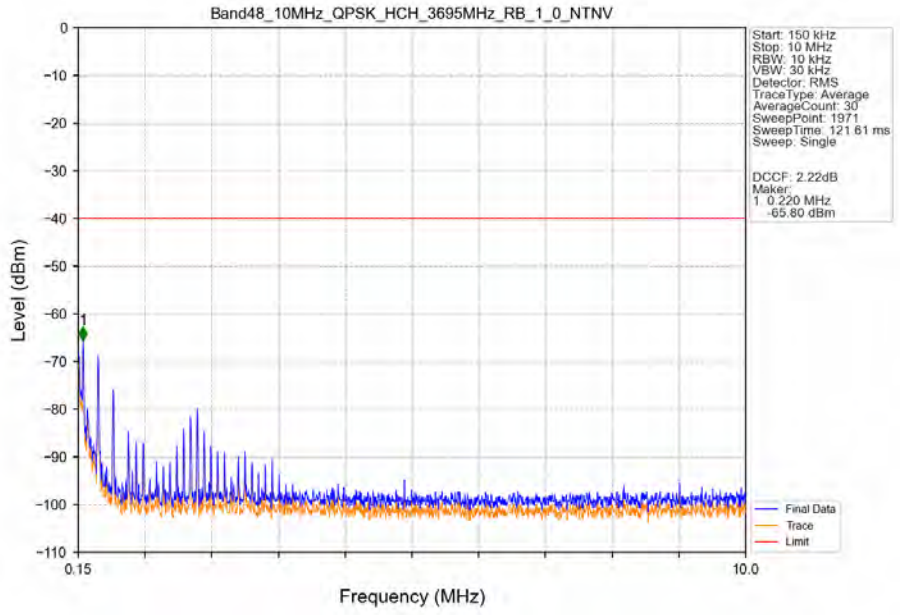


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.690	-48.31	-40	Pass
3530	3680	1	CHP	2	3552.745	-45.23	-25	Pass
3680	3689	1	CHP	3	3688.495	-43.64	-13	Pass
3689	3690	0.03	/	4	3689.995	-30.30	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.645	-62.53	-13	Pass
3701	3710	1	CHP	6	3703.765	-46.01	-13	Pass
3710	3720	1	CHP	7	3715.225	-50.74	-25	Pass
3720	3730	1	CHP	8	3720.880	-50.55	-40	Pass

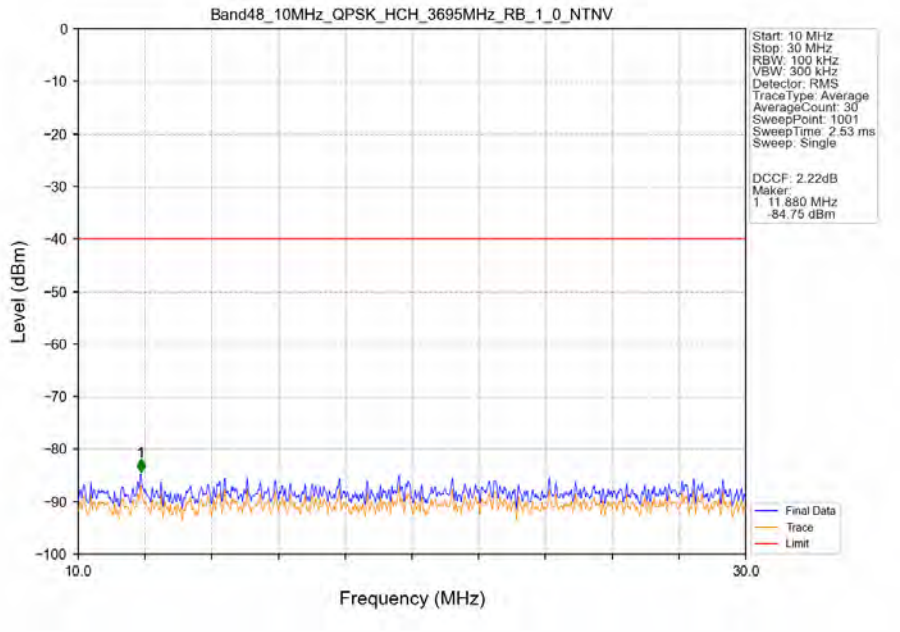
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



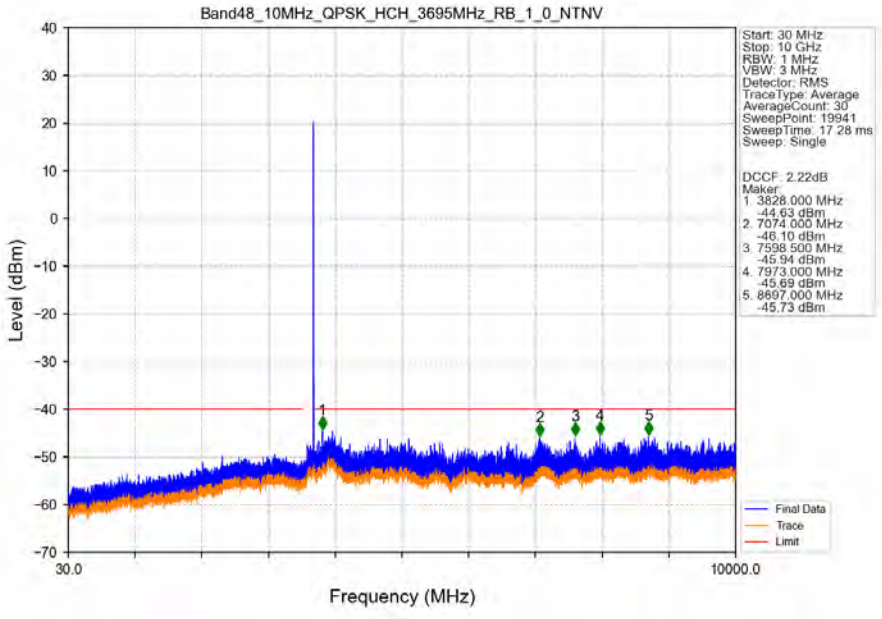
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



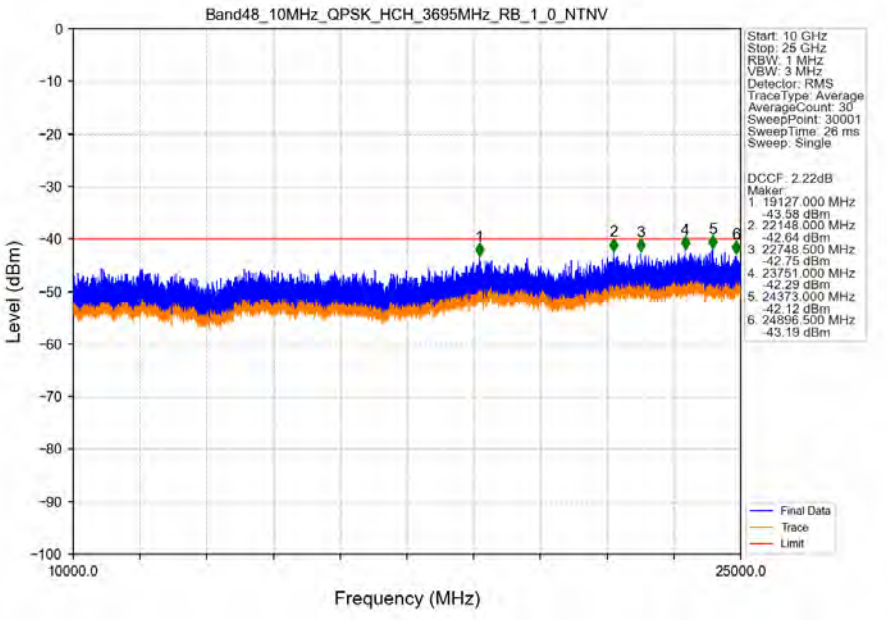
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



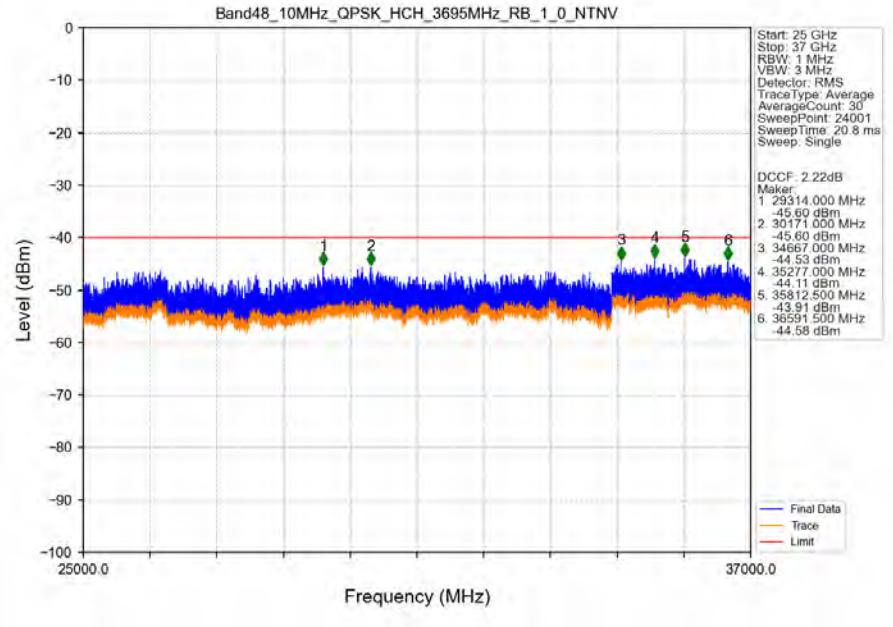
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



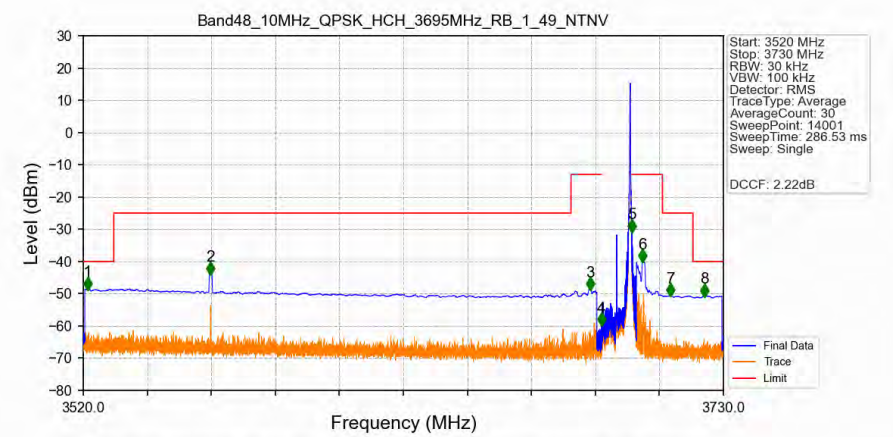
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

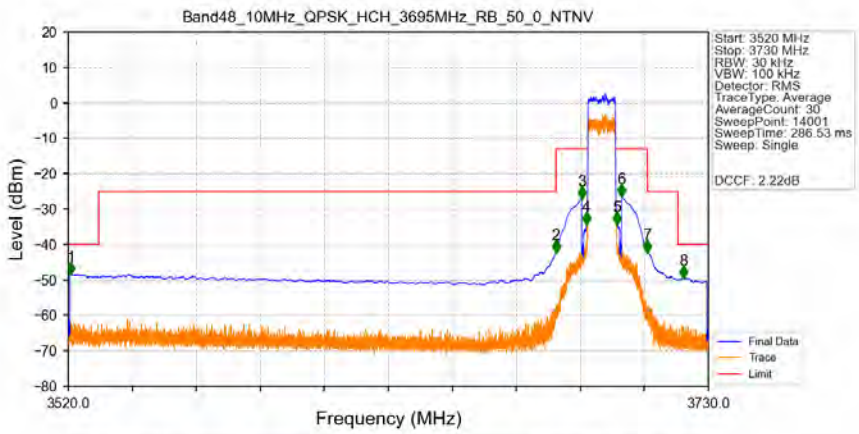


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.455	-48.55	-40	Pass
3530	3680	1	CHP	2	3561.760	-43.84	-25	Pass
3680	3689	1	CHP	3	3686.380	-48.64	-13	Pass
3689	3690	0.03	/	4	3689.920	-59.66	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.045	-30.63	-13	Pass
3701	3710	1	CHP	6	3703.465	-39.99	-13	Pass
3710	3720	1	CHP	7	3712.720	-50.56	-25	Pass
3720	3730	1	CHP	8	3723.895	-50.60	-40	Pass

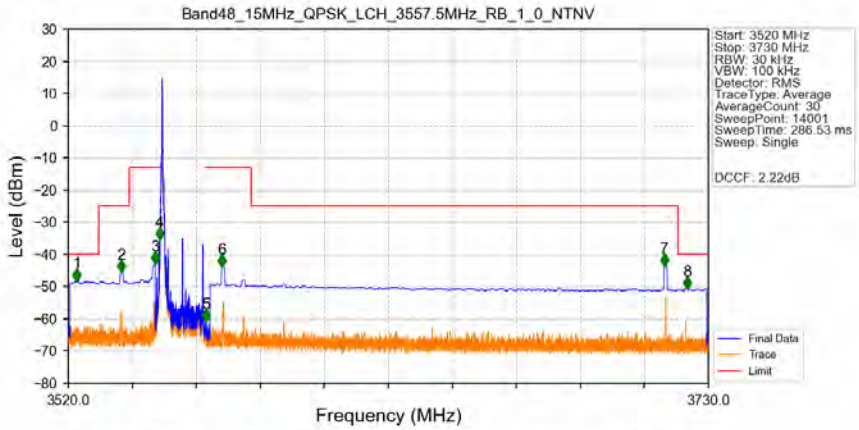
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.825	-48.34	-40	Pass
3530	3680	1	CHP	2	3679.990	-42.14	-25	Pass
3680	3689	1	CHP	3	3688.480	-26.85	-13	Pass
3689	3690	0.097	CHP	4	3689.995	-34.24	-13	Pass
3690	3700	0.097	CHP	/	/	/	/	/
3700	3701	0.097	CHP	5	3700.015	-34.12	-13	Pass
3701	3710	1	CHP	6	3701.530	-26.28	-13	Pass
3710	3720	1	CHP	7	3710.005	-42.02	-25	Pass
3720	3730	1	CHP	8	3721.825	-49.34	-40	Pass

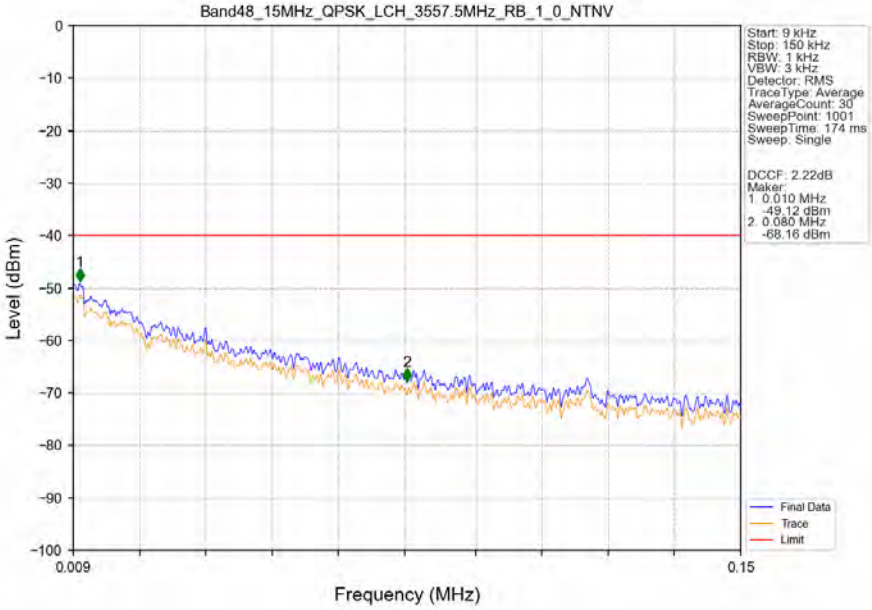
5.2.3 B48_15MHz

Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

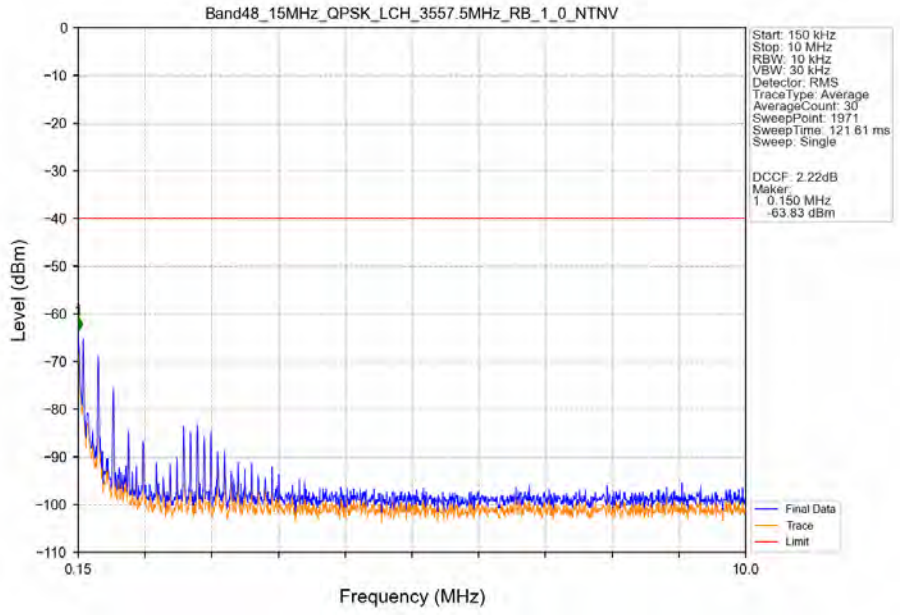


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.775	-48.07	-40	Pass
3530	3540	1	CHP	2	3537.340	-45.30	-25	Pass
3540	3549	1	CHP	3	3548.500	-42.78	-13	Pass
3549	3550	0.03	/	4	3549.940	-35.17	-13	Pass
3550	3565	0.03	/	/	/	/	/	/
3565	3566	0.03	/	5	3565.150	-60.55	-13	Pass
3566	3580	1	CHP	6	3570.505	-43.74	-13	Pass
3580	3720	1	CHP	7	3715.585	-43.42	-25	Pass
3720	3730	1	CHP	8	3723.085	-50.54	-40	Pass

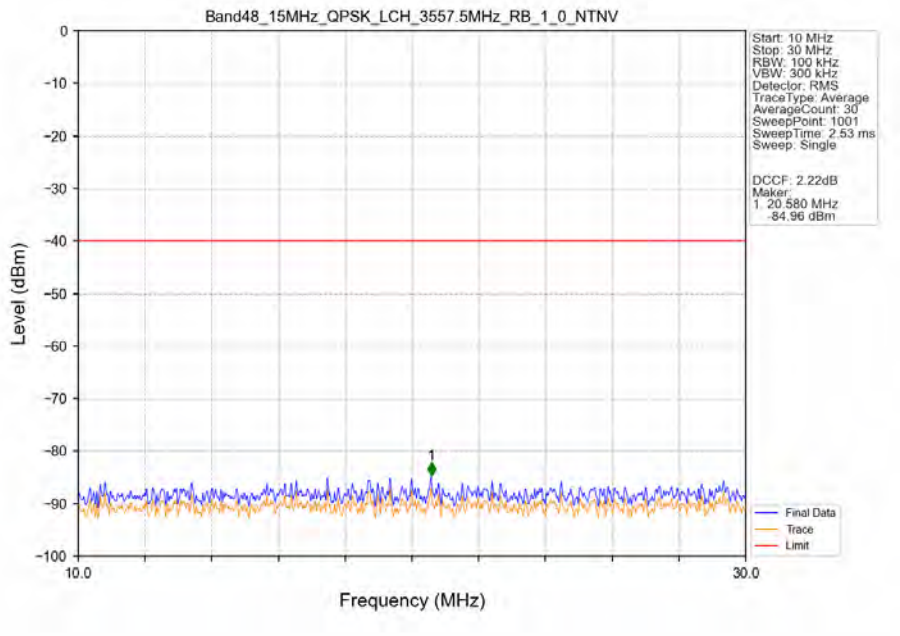
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



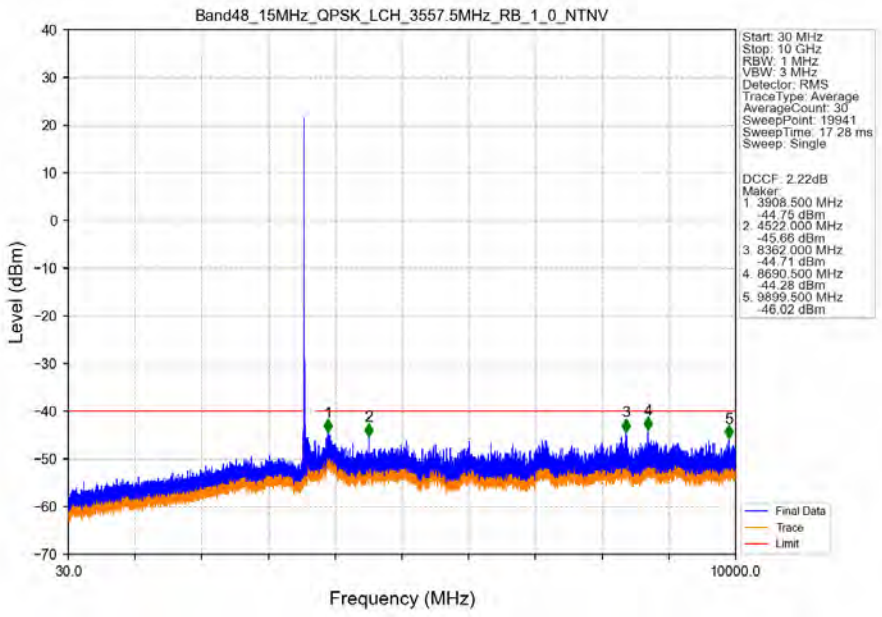
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



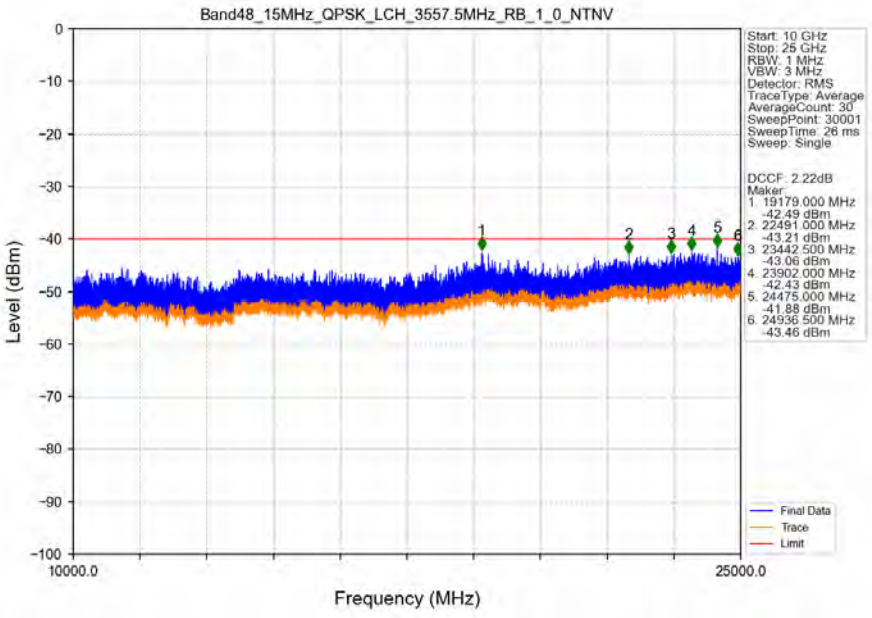
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



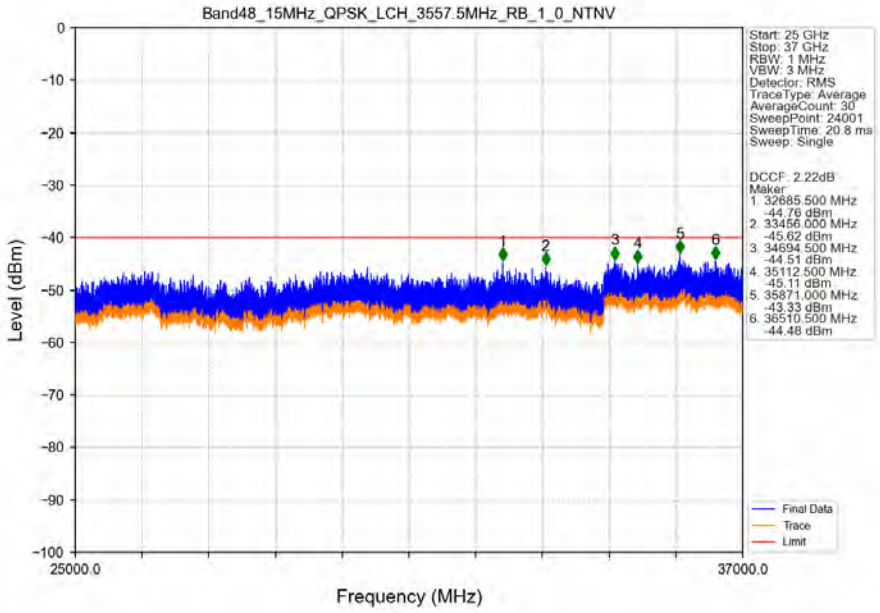
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



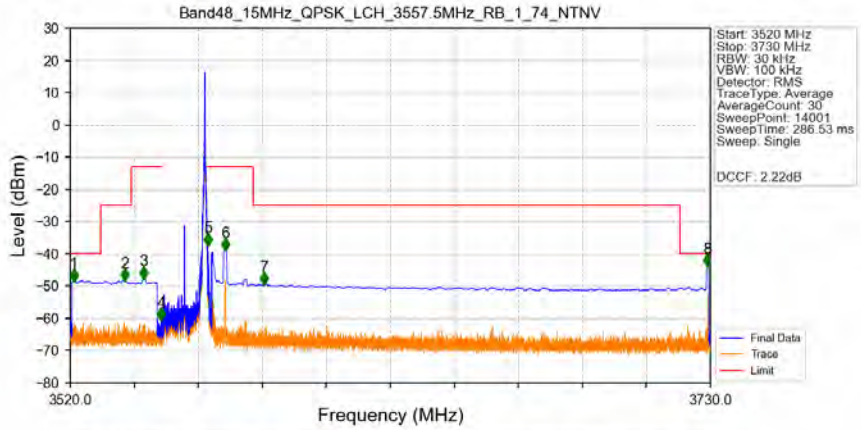
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

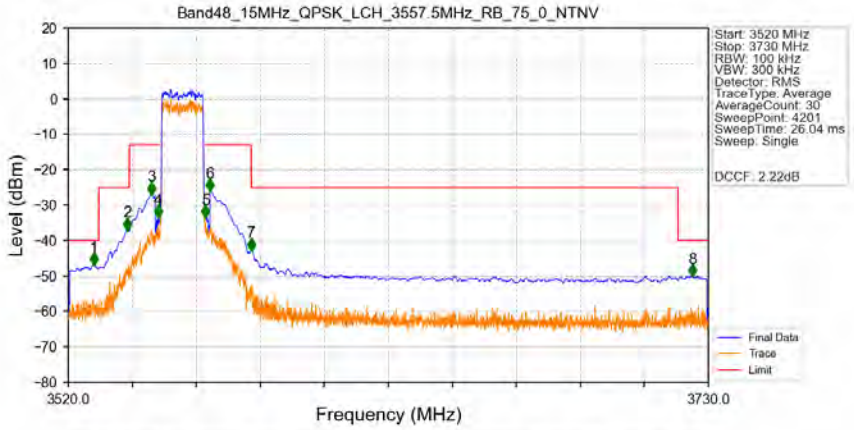


Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_74_NTNV



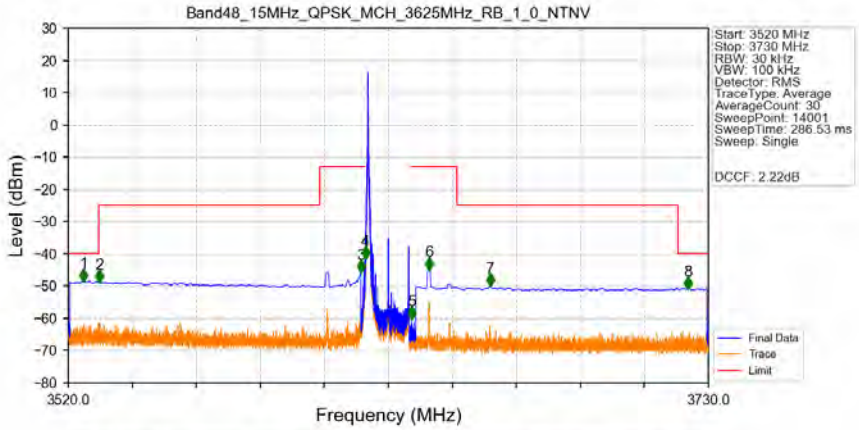
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.230	-48.25	-40	Pass
3530	3540	1	CHP	2	3537.970	-48.18	-25	Pass
3540	3549	1	CHP	3	3544.180	-47.55	-13	Pass
3549	3550	0.03	/	4	3549.820	-60.38	-13	Pass
3550	3565	0.03	/	/	/	/	/	/
3565	3566	0.03	/	5	3565.060	-37.23	-13	Pass
3566	3580	1	CHP	6	3570.910	-38.72	-13	Pass
3580	3720	1	CHP	7	3583.660	-49.35	-25	Pass
3720	3730	1	CHP	8	3729.055	-43.67	-40	Pass

Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



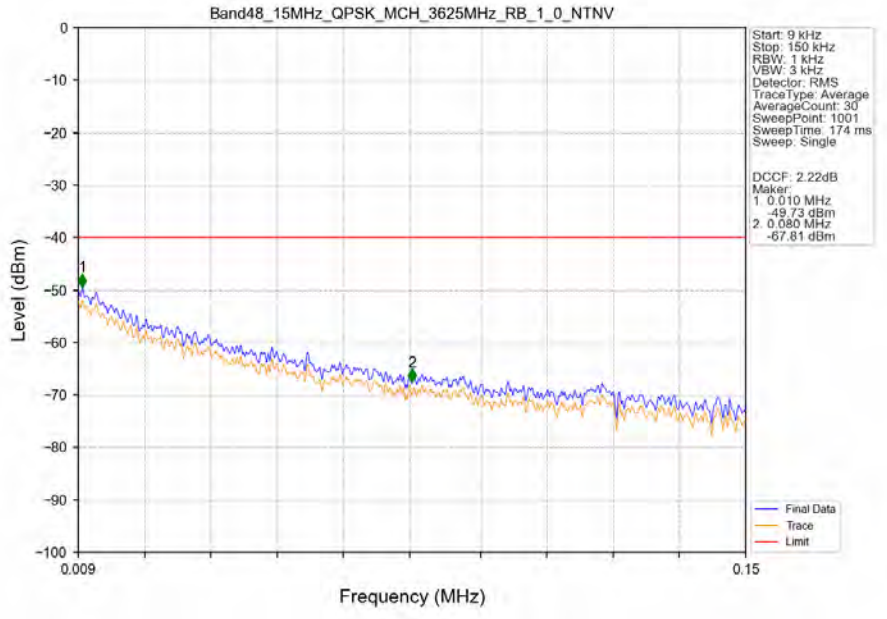
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.350	-46.75	-40	Pass
3530	3540	1	CHP	2	3539.300	-36.84	-25	Pass
3540	3549	1	CHP	3	3547.400	-26.79	-13	Pass
3549	3550	0.15	CHP	4	3549.450	-33.28	-13	Pass
3550	3565	0.15	CHP	/	/	/	/	/
3565	3566	0.15	CHP	5	3565.050	-33.25	-13	Pass
3566	3580	1	CHP	6	3566.500	-25.88	-13	Pass
3580	3720	1	CHP	7	3580.050	-42.61	-25	Pass
3720	3730	1	CHP	8	3724.750	-50.04	-40	Pass

Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

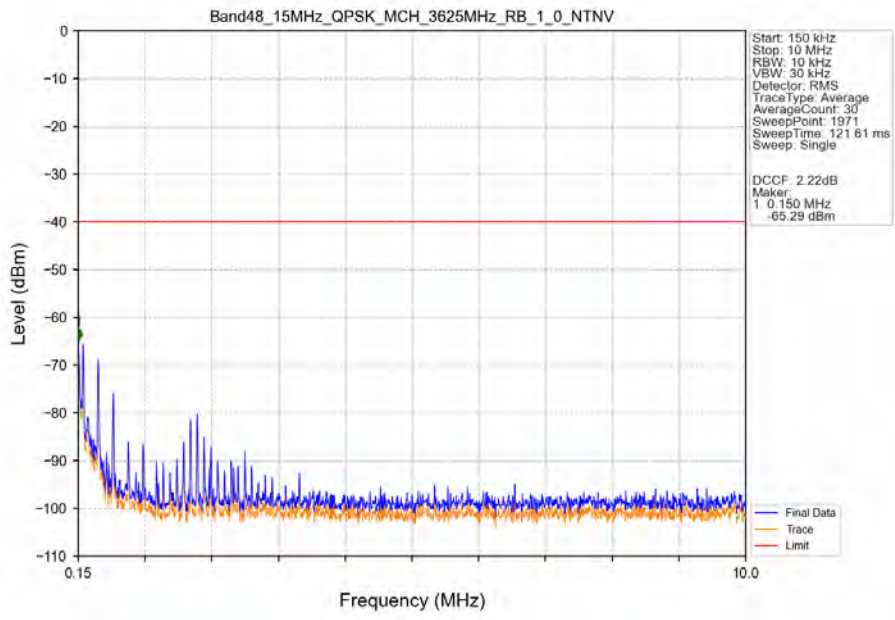


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.070	-48.31	-40	Pass
3530	3602.5	1	CHP	2	3530.290	-48.62	-25	Pass
3602.5	3616.5	1	CHP	3	3616.000	-45.65	-13	Pass
3616.5	3617.5	0.03	/	4	3617.485	-41.31	-13	Pass
3617.5	3632.5	0.03	/	/	/	/	/	/
3632.5	3633.5	0.03	/	5	3632.575	-59.99	-13	Pass
3633.5	3647.5	1	CHP	6	3638.455	-44.74	-13	Pass
3647.5	3720	1	CHP	7	3658.525	-49.88	-25	Pass
3720	3730	1	CHP	8	3723.340	-50.68	-40	Pass

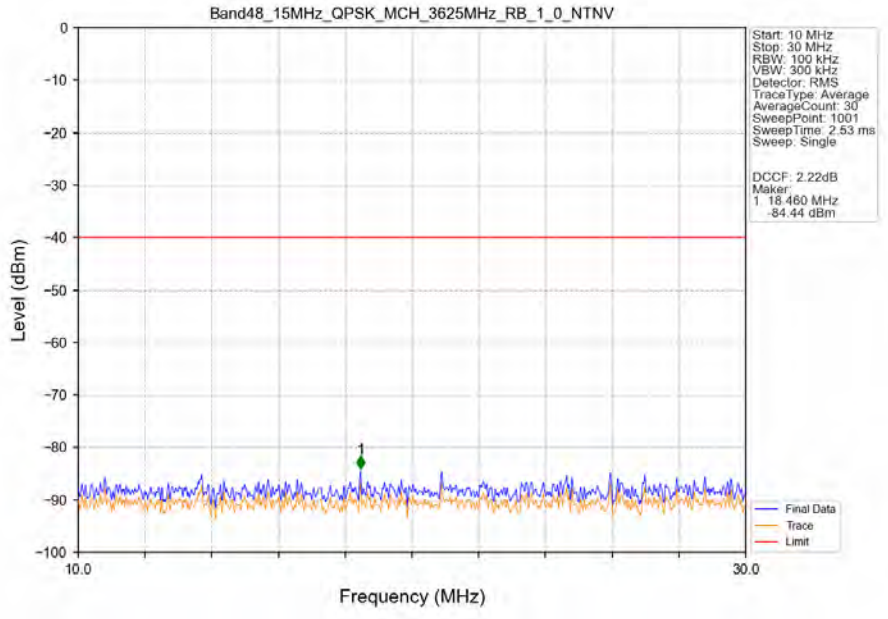
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



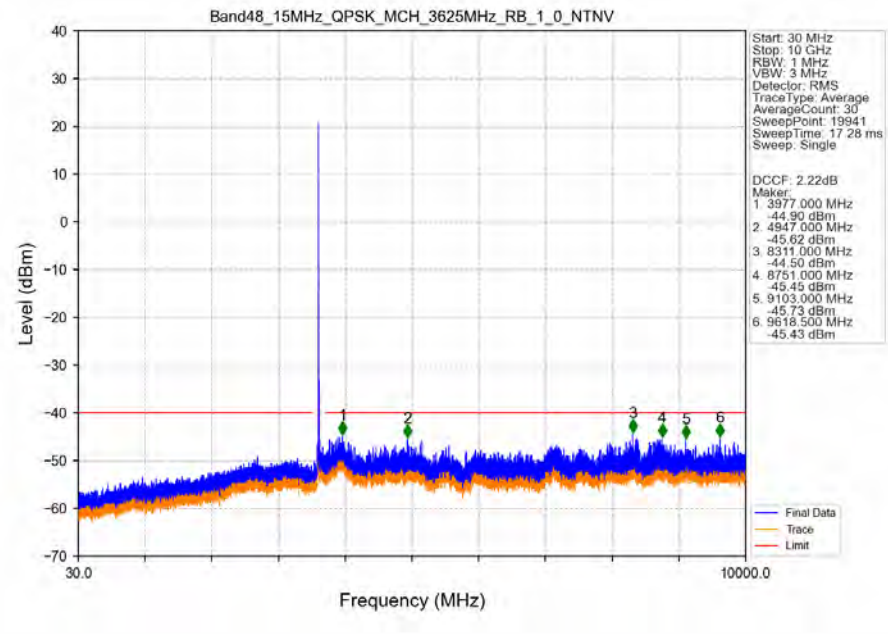
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



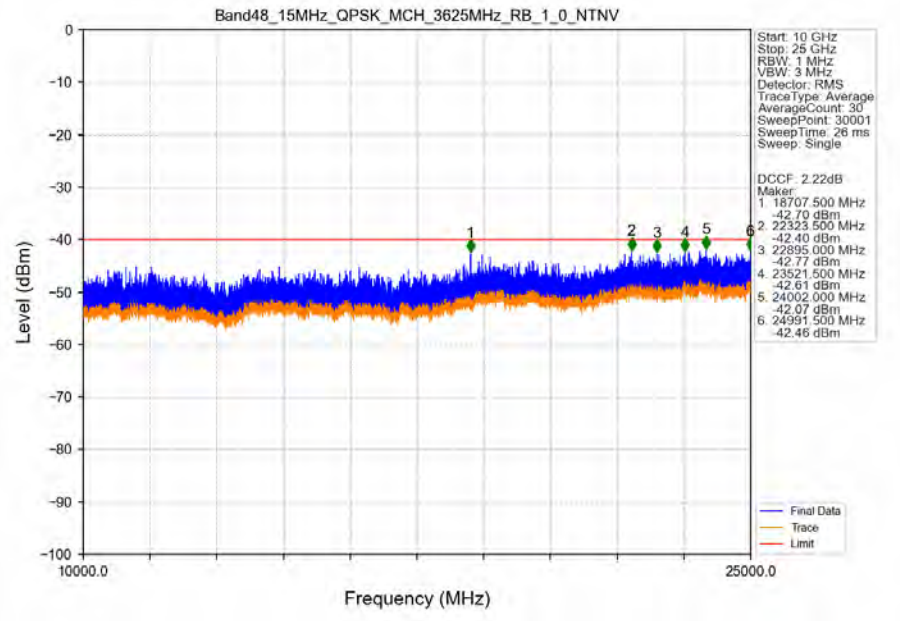
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



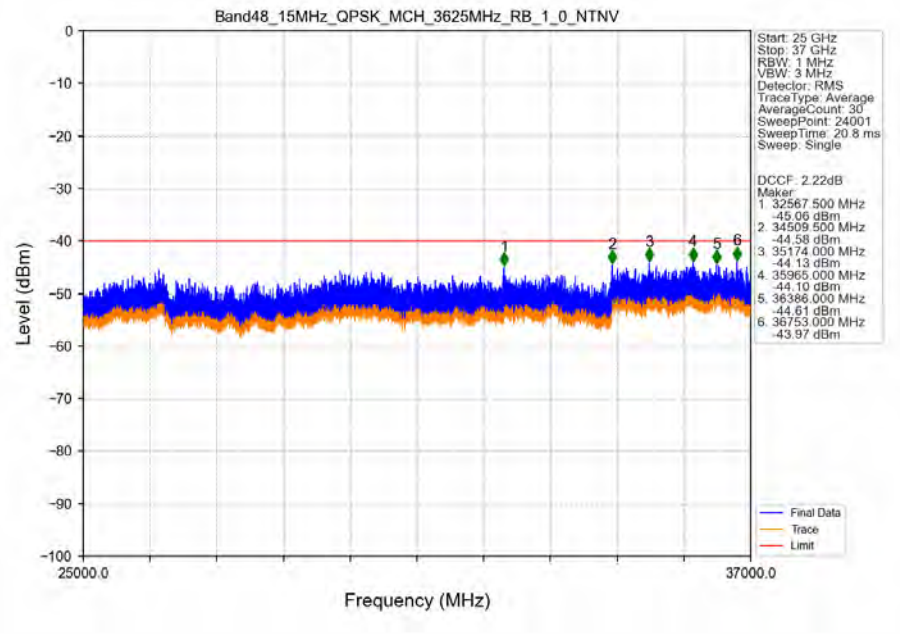
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



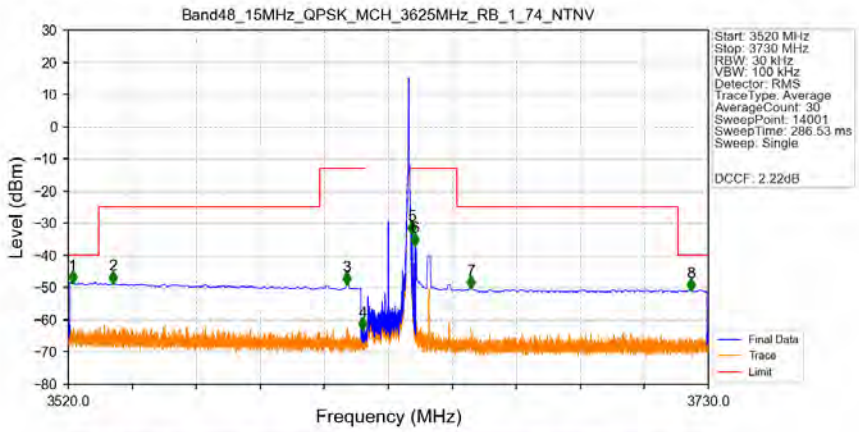
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

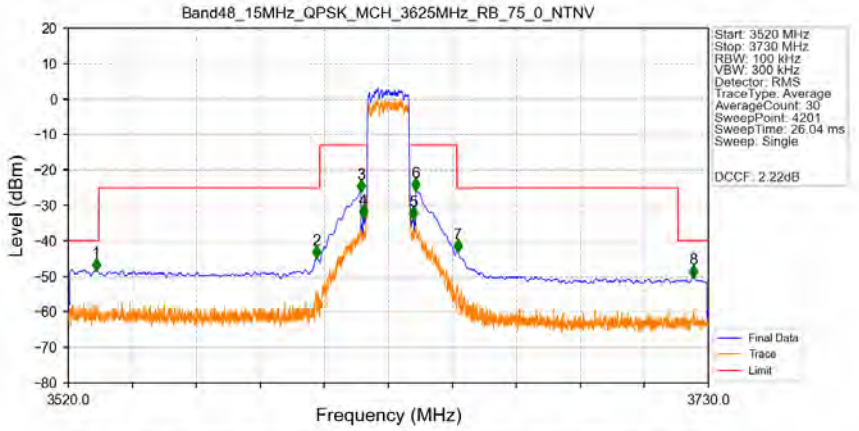


Band48_15MHz_QPSK_MCH_3625MHz_RB_1_74_NTNV



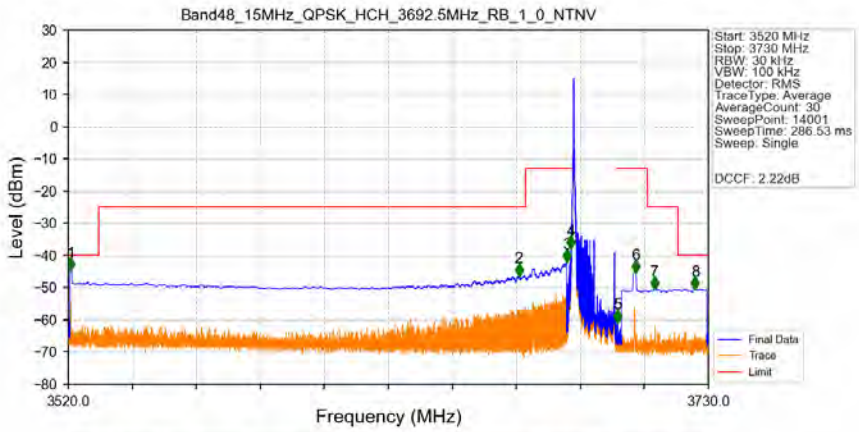
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.410	-48.34	-40	Pass
3530	3602.5	1	CHP	2	3534.640	-48.53	-25	Pass
3602.5	3616.5	1	CHP	3	3611.380	-48.89	-13	Pass
3616.5	3617.5	0.03	/	4	3616.675	-63.03	-13	Pass
3617.5	3632.5	0.03	/	/	/	/	/	/
3632.5	3633.5	0.03	/	5	3632.665	-33.17	-13	Pass
3633.5	3647.5	1	CHP	6	3633.745	-36.74	-13	Pass
3647.5	3720	1	CHP	7	3652.180	-50.04	-25	Pass
3720	3730	1	CHP	8	3724.225	-50.77	-40	Pass

Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



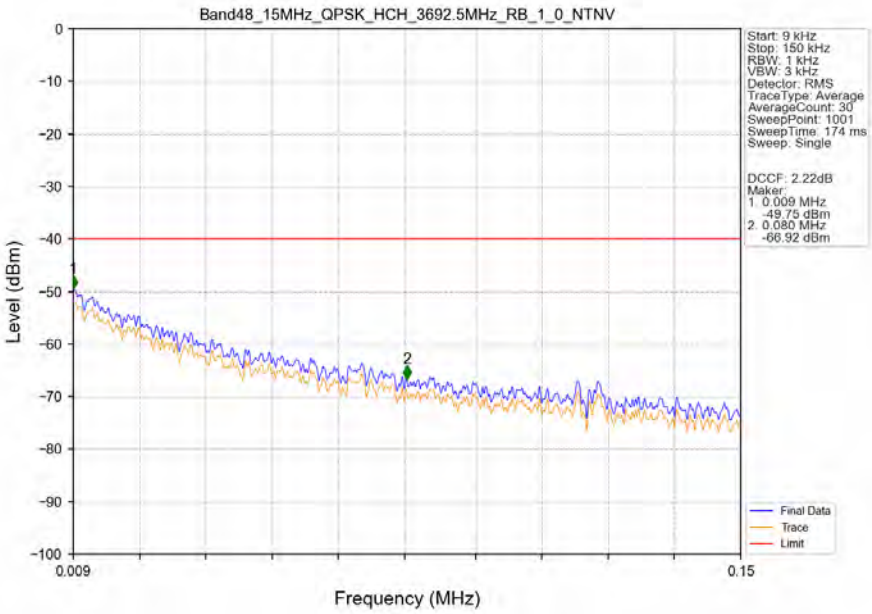
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.150	-48.15	-40	Pass
3530	3602.5	1	CHP	2	3601.500	-44.58	-25	Pass
3602.5	3616.5	1	CHP	3	3616.000	-26.04	-13	Pass
3616.5	3617.5	0.153	CHP	4	3616.800	-33.31	-13	Pass
3617.5	3632.5	0.153	CHP	/	/	/	/	/
3632.5	3633.5	0.153	CHP	5	3633.100	-33.74	-13	Pass
3633.5	3647.5	1	CHP	6	3634.050	-25.60	-13	Pass
3647.5	3720	1	CHP	7	3647.850	-42.96	-25	Pass
3720	3730	1	CHP	8	3725.000	-50.10	-40	Pass

Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV

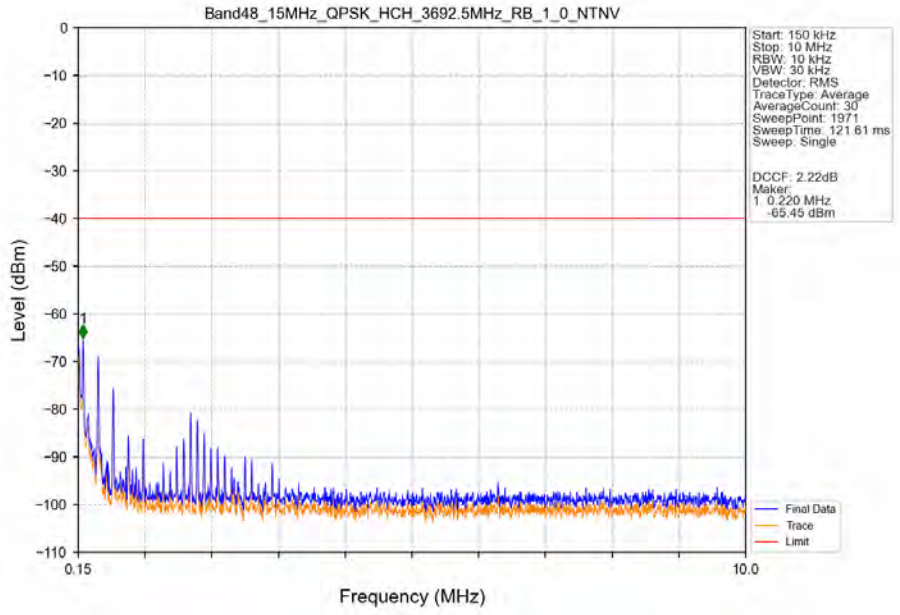


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.765	-44.47	-40	Pass
3530	3670	1	CHP	2	3667.855	-46.19	-25	Pass
3670	3684	1	CHP	3	3683.500	-41.76	-13	Pass
3684	3685	0.03	/	4	3684.910	-37.56	-13	Pass
3685	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.135	-60.49	-13	Pass
3701	3710	1	CHP	6	3706.120	-45.12	-13	Pass
3710	3720	1	CHP	7	3712.255	-50.36	-25	Pass
3720	3730	1	CHP	8	3725.650	-50.27	-40	Pass

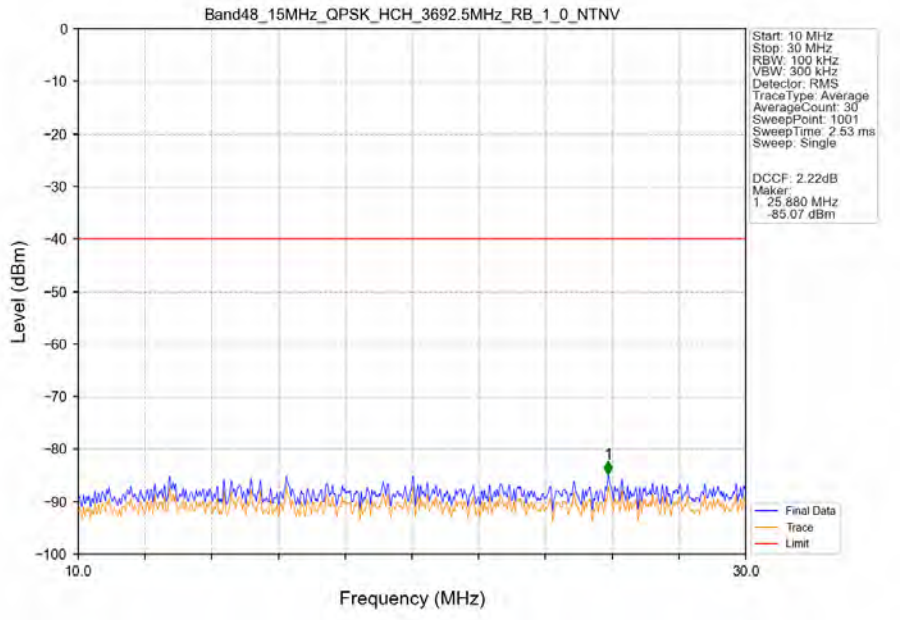
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



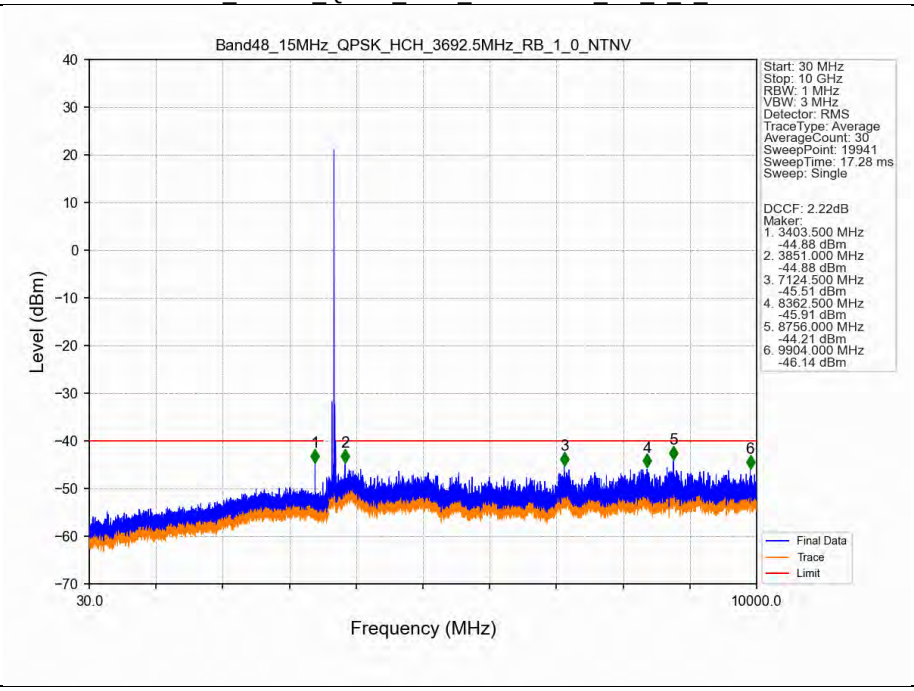
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



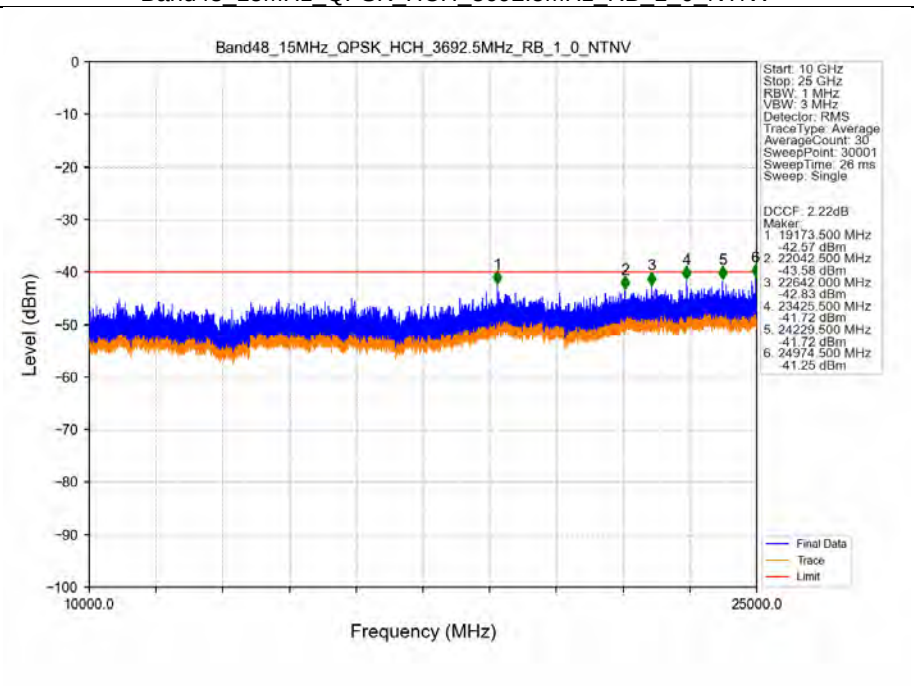
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



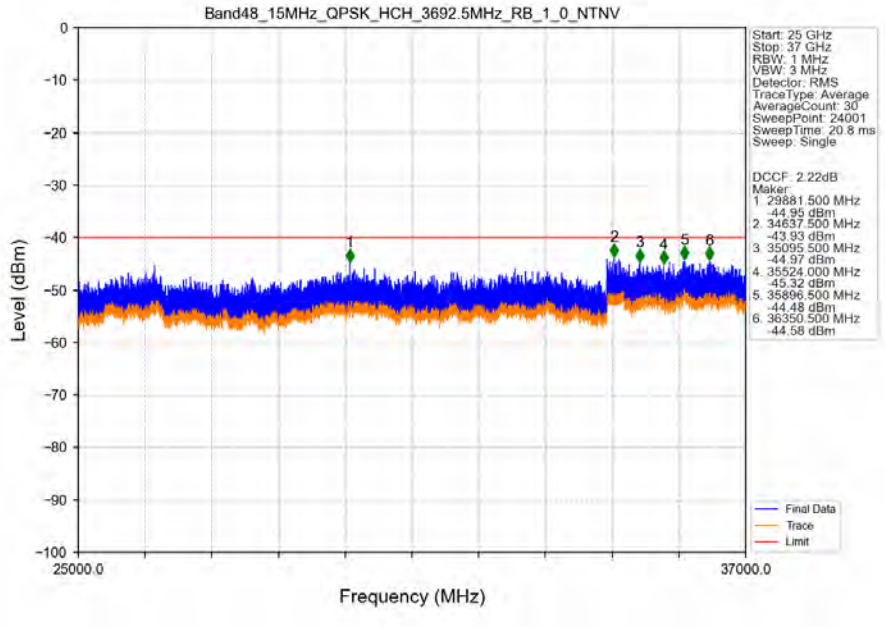
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



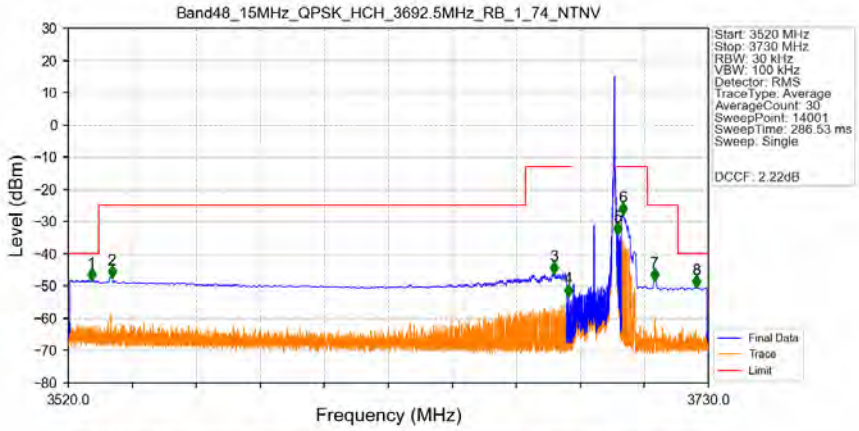
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV

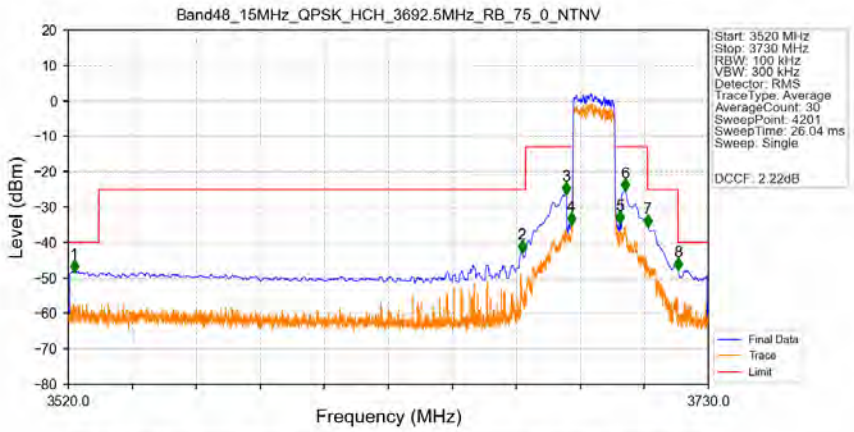


Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.635	-48.17	-40	Pass
3530	3670	1	CHP	2	3534.295	-47.26	-25	Pass
3670	3684	1	CHP	3	3679.285	-46.11	-13	Pass
3684	3685	0.03	/	4	3684.055	-52.98	-13	Pass
3685	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.300	-33.89	-13	Pass
3701	3710	1	CHP	6	3701.980	-27.68	-13	Pass
3710	3720	1	CHP	7	3712.285	-48.13	-25	Pass
3720	3730	1	CHP	8	3726.130	-50.33	-40	Pass

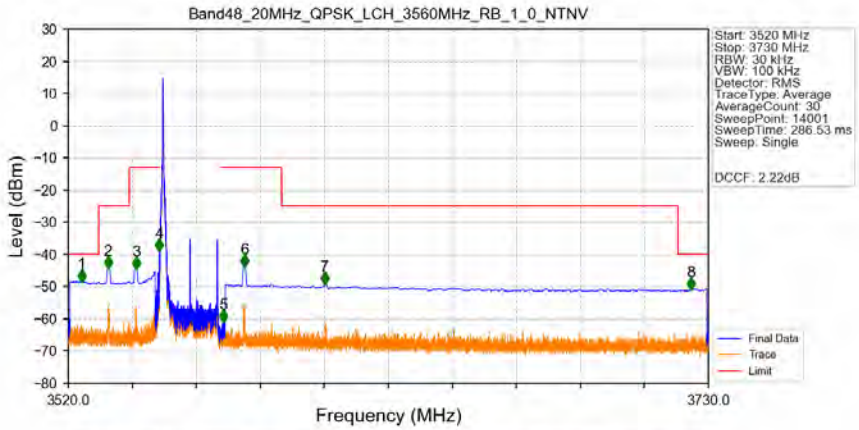
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.950	-48.19	-40	Pass
3530	3670	1	CHP	2	3668.850	-42.63	-25	Pass
3670	3684	1	CHP	3	3683.300	-26.18	-13	Pass
3684	3685	0.145	CHP	4	3684.950	-34.74	-13	Pass
3685	3700	0.145	CHP	/	/	/	/	/
3700	3701	0.145	CHP	5	3700.950	-34.33	-13	Pass
3701	3710	1	CHP	6	3702.600	-25.17	-13	Pass
3710	3720	1	CHP	7	3710.050	-35.37	-25	Pass
3720	3730	1	CHP	8	3720.050	-47.55	-40	Pass

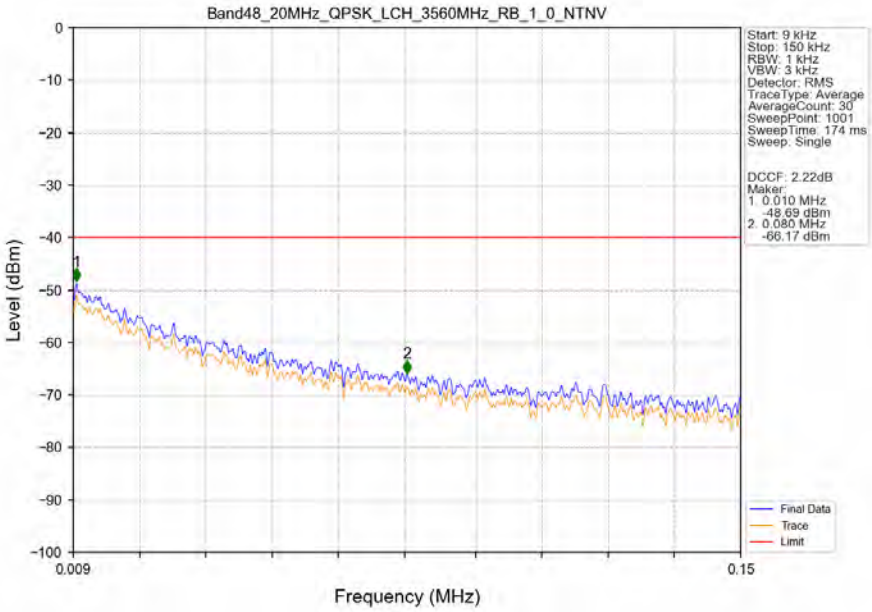
5.2.4 B48_20MHz

Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV

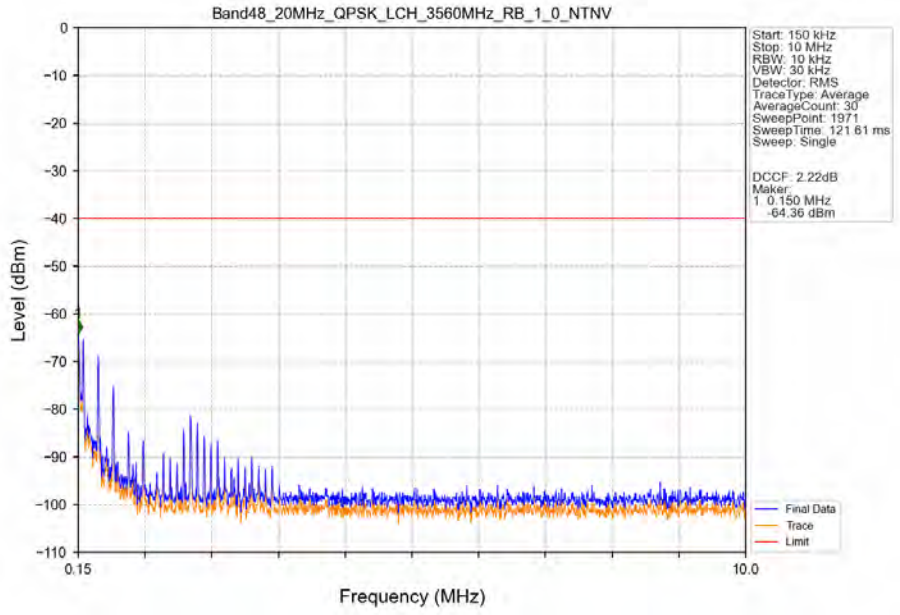
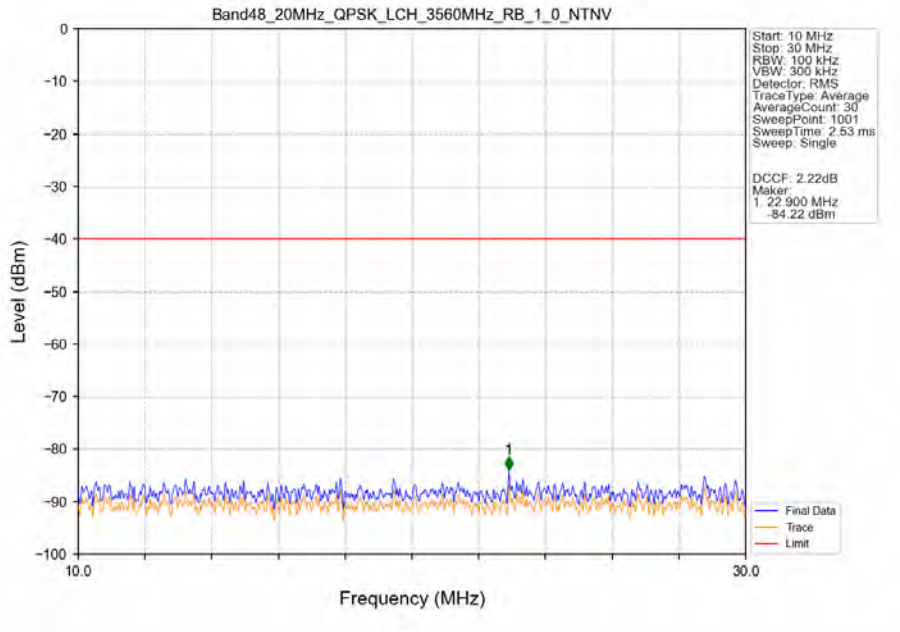


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3524.425	-48.25	-40	Pass
3530	3540	1	CHP	2	3533.050	-44.15	-25	Pass
3540	3549	1	CHP	3	3542.320	-44.42	-13	Pass
3549	3550	0.03	/	4	3549.880	-38.76	-13	Pass
3550	3570	0.03	/	/	/	/	/	/
3570	3571	0.03	/	5	3570.925	-60.80	-13	Pass
3571	3590	1	CHP	6	3577.870	-43.71	-13	Pass
3590	3720	1	CHP	7	3604.195	-49.17	-25	Pass
3720	3730	1	CHP	8	3724.300	-50.72	-40	Pass

Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV