

1. Conducted Output Power Data

1.1 B7_5MHz_Power

1.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	2502.5	1	0	21.37	<=33.01	Pass
			13	21.47	<=33.01	Pass
			24	21.33	<=33.01	Pass
		12	0	20.35	<=33.01	Pass
			6	20.46	<=33.01	Pass
			13	20.39	<=33.01	Pass
		25	0	20.42	<=33.01	Pass
	2535	1	0	21.28	<=33.01	Pass
			13	21.43	<=33.01	Pass
			24	21.29	<=33.01	Pass
		12	0	20.33	<=33.01	Pass
			6	20.41	<=33.01	Pass
			13	20.35	<=33.01	Pass
		25	0	20.36	<=33.01	Pass
	2567.5	1	0	21.42	<=33.01	Pass
			13	21.55	<=33.01	Pass
			24	21.44	<=33.01	Pass
		12	0	20.49	<=33.01	Pass
			6	20.54	<=33.01	Pass
			13	20.49	<=33.01	Pass
		25	0	20.51	<=33.01	Pass
16QAM	2502.5	1	0	20.47	<=33.01	Pass
			13	20.55	<=33.01	Pass
			24	20.41	<=33.01	Pass
		12	0	19.42	<=33.01	Pass
			6	19.45	<=33.01	Pass
			13	19.42	<=33.01	Pass
		25	0	19.44	<=33.01	Pass
	2535	1	0	20.56	<=33.01	Pass
			13	20.63	<=33.01	Pass
			24	20.50	<=33.01	Pass
		12	0	19.38	<=33.01	Pass
			6	19.44	<=33.01	Pass
			13	19.42	<=33.01	Pass
		25	0	19.34	<=33.01	Pass
	2567.5	1	0	20.24	<=33.01	Pass
			13	20.35	<=33.01	Pass
			24	20.25	<=33.01	Pass
		12	0	19.48	<=33.01	Pass
			6	19.53	<=33.01	Pass
			13	19.47	<=33.01	Pass
		25	0	19.49	<=33.01	Pass

1.2 B7_10MHz_Power

1.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	2505	1	0	21.65	<=33.01	Pass
			25	21.77	<=33.01	Pass
			49	21.60	<=33.01	Pass
		25	0	20.56	<=33.01	Pass
			13	20.56	<=33.01	Pass
			25	20.55	<=33.01	Pass
		50	0	20.54	<=33.01	Pass
			0	21.42	<=33.01	Pass
			25	21.50	<=33.01	Pass
	2535	1	49	21.33	<=33.01	Pass
			0	20.42	<=33.01	Pass
			13	20.43	<=33.01	Pass
		25	25	20.37	<=33.01	Pass
			0	20.41	<=33.01	Pass
			0	21.42	<=33.01	Pass
		1	25	21.59	<=33.01	Pass
			49	21.44	<=33.01	Pass
			0	20.43	<=33.01	Pass
16QAM	2505	1	13	20.46	<=33.01	Pass
			25	20.44	<=33.01	Pass
			0	20.43	<=33.01	Pass
		25	0	20.56	<=33.01	Pass
			25	20.65	<=33.01	Pass
			49	20.51	<=33.01	Pass
		50	0	19.59	<=33.01	Pass
			13	19.58	<=33.01	Pass
			25	19.59	<=33.01	Pass
	2535	1	0	19.52	<=33.01	Pass
			0	20.49	<=33.01	Pass
			25	20.68	<=33.01	Pass
		25	49	20.44	<=33.01	Pass
			0	19.43	<=33.01	Pass
			13	19.38	<=33.01	Pass
		50	25	19.35	<=33.01	Pass
			0	19.33	<=33.01	Pass
			0	20.84	<=33.01	Pass
	2565	1	25	20.98	<=33.01	Pass
			49	20.80	<=33.01	Pass
			0	19.41	<=33.01	Pass
		25	13	19.45	<=33.01	Pass
			25	19.42	<=33.01	Pass
			0	19.37	<=33.01	Pass
	50	1	0			
			0			
			0			

1.3 B7_15MHz_Power

1.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	2507.5	1	0	21.39	<=33.01	Pass
			38	21.48	<=33.01	Pass
			74	21.33	<=33.01	Pass
		36	0	20.51	<=33.01	Pass
			18	20.51	<=33.01	Pass
			39	20.48	<=33.01	Pass
		75	0	20.50	<=33.01	Pass
	2535	1	0	21.32	<=33.01	Pass
			38	21.33	<=33.01	Pass
			74	21.18	<=33.01	Pass
		36	0	20.41	<=33.01	Pass
			18	20.40	<=33.01	Pass
			39	20.36	<=33.01	Pass
		75	0	20.37	<=33.01	Pass
	2562.5	1	0	21.30	<=33.01	Pass
			38	21.40	<=33.01	Pass
			74	21.32	<=33.01	Pass
		36	0	20.46	<=33.01	Pass
			18	20.48	<=33.01	Pass
			39	20.44	<=33.01	Pass
		75	0	20.47	<=33.01	Pass
16QAM	2507.5	1	0	20.67	<=33.01	Pass
			38	20.76	<=33.01	Pass
			74	20.61	<=33.01	Pass
		36	0	19.44	<=33.01	Pass
			18	19.46	<=33.01	Pass
			39	19.41	<=33.01	Pass
		75	0	19.43	<=33.01	Pass
	2535	1	0	20.48	<=33.01	Pass
			38	20.46	<=33.01	Pass
			74	20.31	<=33.01	Pass
		36	0	19.38	<=33.01	Pass
			18	19.31	<=33.01	Pass
			39	19.32	<=33.01	Pass
		75	0	19.34	<=33.01	Pass
	2562.5	1	0	20.73	<=33.01	Pass
			38	20.82	<=33.01	Pass
			74	20.70	<=33.01	Pass
		36	0	19.44	<=33.01	Pass
			18	19.43	<=33.01	Pass
			39	19.42	<=33.01	Pass
		75	0	19.42	<=33.01	Pass

1.4 B7_20MHz_Power

1.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	2510	1	0	21.18	<=33.01	Pass
			50	21.51	<=33.01	Pass
			99	21.07	<=33.01	Pass
		50	0	20.33	<=33.01	Pass
			25	20.41	<=33.01	Pass
			50	20.29	<=33.01	Pass
		100	0	20.34	<=33.01	Pass
			0	21.16	<=33.01	Pass
	2535	1	50	21.46	<=33.01	Pass
			99	21.06	<=33.01	Pass
		50	0	20.31	<=33.01	Pass
			25	20.33	<=33.01	Pass
			50	20.23	<=33.01	Pass
		100	0	20.27	<=33.01	Pass
			0	21.18	<=33.01	Pass
	2560	1	50	21.52	<=33.01	Pass
			99	21.16	<=33.01	Pass
		50	0	20.33	<=33.01	Pass
			25	20.34	<=33.01	Pass
			50	20.28	<=33.01	Pass
		100	0	20.28	<=33.01	Pass
16QAM	2510	1	0	20.68	<=33.01	Pass
			50	21.01	<=33.01	Pass
			99	20.55	<=33.01	Pass
		50	0	19.35	<=33.01	Pass
			25	19.40	<=33.01	Pass
			50	19.27	<=33.01	Pass
		100	0	19.37	<=33.01	Pass
			0	20.31	<=33.01	Pass
	2535	1	50	20.61	<=33.01	Pass
			99	20.19	<=33.01	Pass
		50	0	19.22	<=33.01	Pass
			25	19.30	<=33.01	Pass
			50	19.17	<=33.01	Pass
		100	0	19.22	<=33.01	Pass
			0	20.38	<=33.01	Pass
	2560	1	50	20.70	<=33.01	Pass
			99	20.33	<=33.01	Pass
		50	0	19.28	<=33.01	Pass
			25	19.32	<=33.01	Pass
			50	19.24	<=33.01	Pass
		100	0	19.28	<=33.01	Pass

2. Frequency Stability

2.1 B7_5MHz

2.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	-17.338	-0.0069	-2.5 to 2.5	Pass
					3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-5.522	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.277	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.004	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-47.278	-0.0187	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0005	-2.5 to 2.5	Pass
					4.43	1.202	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	3.934	0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				0	3.85	-12.403	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0020	-2.5 to 2.5	Pass
				30	3.85	5.865	0.0023	-2.5 to 2.5	Pass
				40	3.85	-9.871	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-10.328	-0.0041	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-58.894	-0.0229	-2.5 to 2.5	Pass
					3.85	32.701	0.0127	-2.5 to 2.5	Pass
					4.43	-8.211	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-9.670	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-14.806	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0018	-2.5 to 2.5	Pass
				10	3.85	124.998	0.0487	-2.5 to 2.5	Pass
				30	3.85	-9.727	-0.0038	-2.5 to 2.5	Pass
				40	3.85	0.973	0.0004	-2.5 to 2.5	Pass
50	3.85	-6.752	-0.0026	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.27	-0.916	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-8.039	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-4.892	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-11.444	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-7.410	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-11.430	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-10.986	-0.0044	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-3.462	-0.0014	-2.5 to 2.5	Pass
					3.85	-14.505	-0.0057	-2.5 to 2.5	Pass
					4.43	-13.418	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-10.972	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-8.411	-0.0033	-2.5 to 2.5	Pass

				-10	3.85	-11.415	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-16.422	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-10.328	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-12.031	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-11.473	-0.0045	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-9.670	-0.0038	-2.5 to 2.5	Pass
					3.85	-6.151	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-13.790	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-6.909	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-9.670	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-3.705	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-10.142	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-7.882	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-8.869	-0.0035	-2.5 to 2.5	Pass

2.2 B7_10MHz

2.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-28.811	-0.0115	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0003	-2.5 to 2.5	Pass
					4.43	2.818	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.632	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.916	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.531	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.287	0.0005	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-34.046	-0.0134	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
					4.43	0.358	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-5.465	-0.0022	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				10	3.85	-6.194	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				40	3.85	4.635	0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-32.344	-0.0126	-2.5 to 2.5	Pass
					3.85	-3.977	-0.0016	-2.5 to 2.5	Pass
					4.43	-7.811	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-13.361	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-4.721	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-6.123	-0.0024	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	2.575	0.0010	-2.5 to 2.5	Pass
					3.85	-5.436	-0.0022	-2.5 to 2.5	Pass
					4.43	-2.847	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-7.353	-0.0029	-2.5 to 2.5	Pass
				10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-7.253	-0.0029	-2.5 to 2.5	Pass
				50	3.85	1.230	0.0005	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	1.302	0.0005	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.749	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-8.197	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-3.347	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0009	-2.5 to 2.5	Pass

				30	3.85	-7.510	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-9.484	-0.0037	-2.5 to 2.5	Pass
				50	3.85	0.429	0.0002	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	2.146	0.0008	-2.5 to 2.5	Pass
					3.85	-6.981	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.695	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.821	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-8.554	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass

2.3 B7_15MHz

2.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-19.898	-0.0079	-2.5 to 2.5	Pass
					3.85	6.437	0.0026	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-8.512	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.633	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-21.973	-0.0087	-2.5 to 2.5	Pass
					3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.532	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.890	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-6.838	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-24.748	-0.0097	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
					4.43	-6.824	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-4.764	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-7.482	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-5.622	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-1.502	-0.0006	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0015	-2.5 to 2.5	Pass
					4.43	0.501	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-6.652	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-5.107	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	1.616	0.0006	-2.5 to 2.5	Pass
					3.85	-8.082	-0.0032	-2.5 to 2.5	Pass
					4.43	-10.858	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-5.736	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-7.968	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-6.037	-0.0024	-2.5 to 2.5	Pass

				30	3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.004	-0.0012	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	3.633	0.0014	-2.5 to 2.5	Pass
					3.85	-2.532	-0.0010	-2.5 to 2.5	Pass
					4.43	2.375	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-10.471	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-8.769	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass

2.4 B7_20MHz

2.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	-18.539	-0.0074	-2.5 to 2.5	Pass
					3.85	1.159	0.0005	-2.5 to 2.5	Pass
					4.43	-3.977	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.202	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0024	-2.5 to 2.5	Pass
				40	3.85	5.822	0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.777	-0.0015	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-19.255	-0.0076	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-25.592	-0.0100	-2.5 to 2.5	Pass
					3.85	-14.048	-0.0055	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-12.903	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-8.984	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-6.638	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-11.516	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0029	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-1.917	-0.0008	-2.5 to 2.5	Pass
					3.85	-9.341	-0.0037	-2.5 to 2.5	Pass
					4.43	-3.719	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0010	-2.5 to 2.5	Pass
				0	3.85	1.016	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.589	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0010	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-1.431	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.462	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0026	-2.5 to 2.5	Pass

				30	3.85	-4.392	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.208	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-3.948	-0.0016	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-1.445	-0.0006	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0022	-2.5 to 2.5	Pass
					4.43	-7.367	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-12.760	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-8.469	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-8.626	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.293	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.480	-0.0025	-2.5 to 2.5	Pass

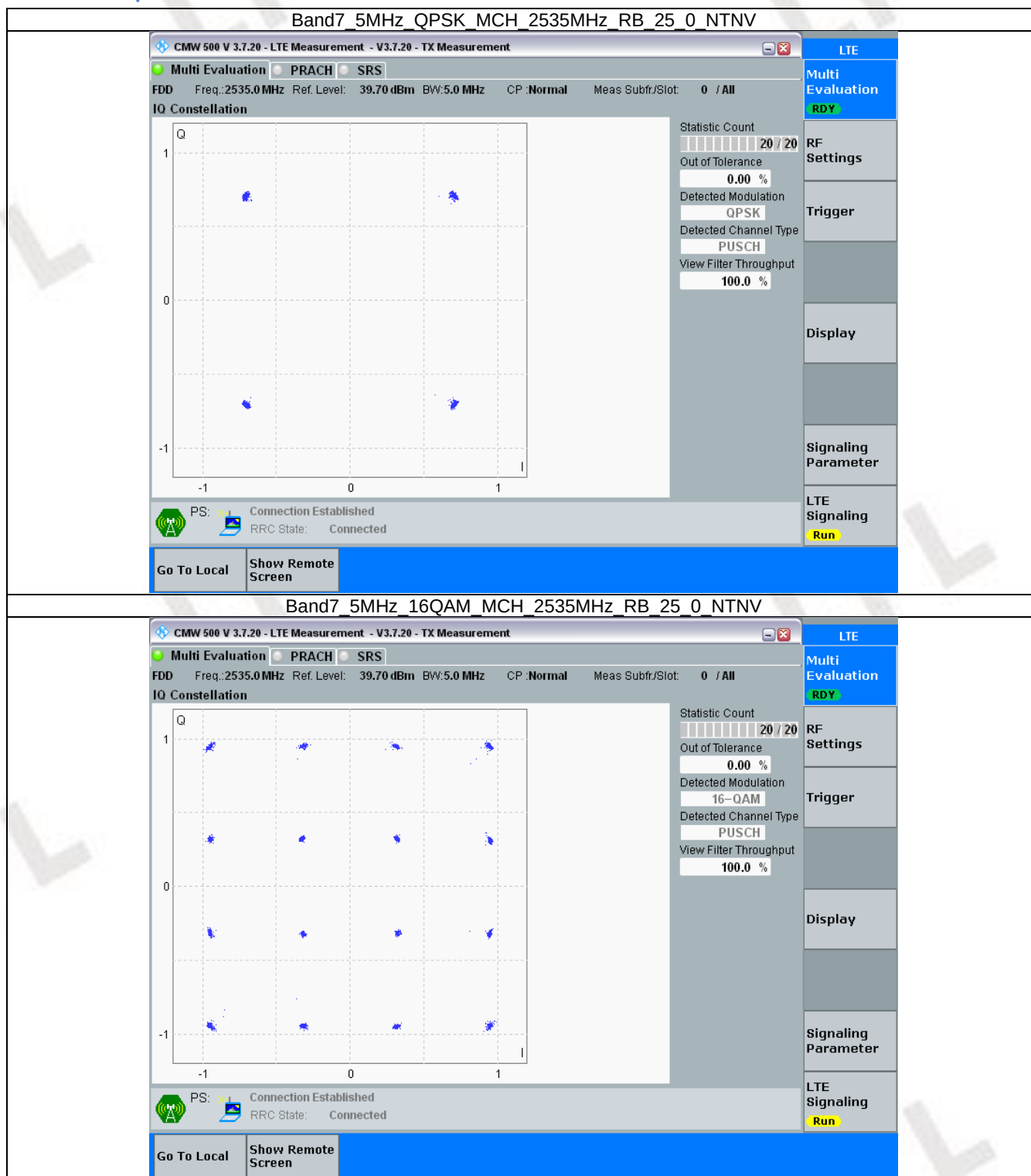
3. Modulation Characteristics

3.1 B7_5MHz

3.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	25	0	Refer To Test Graph		Pass
16QAM	2535	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

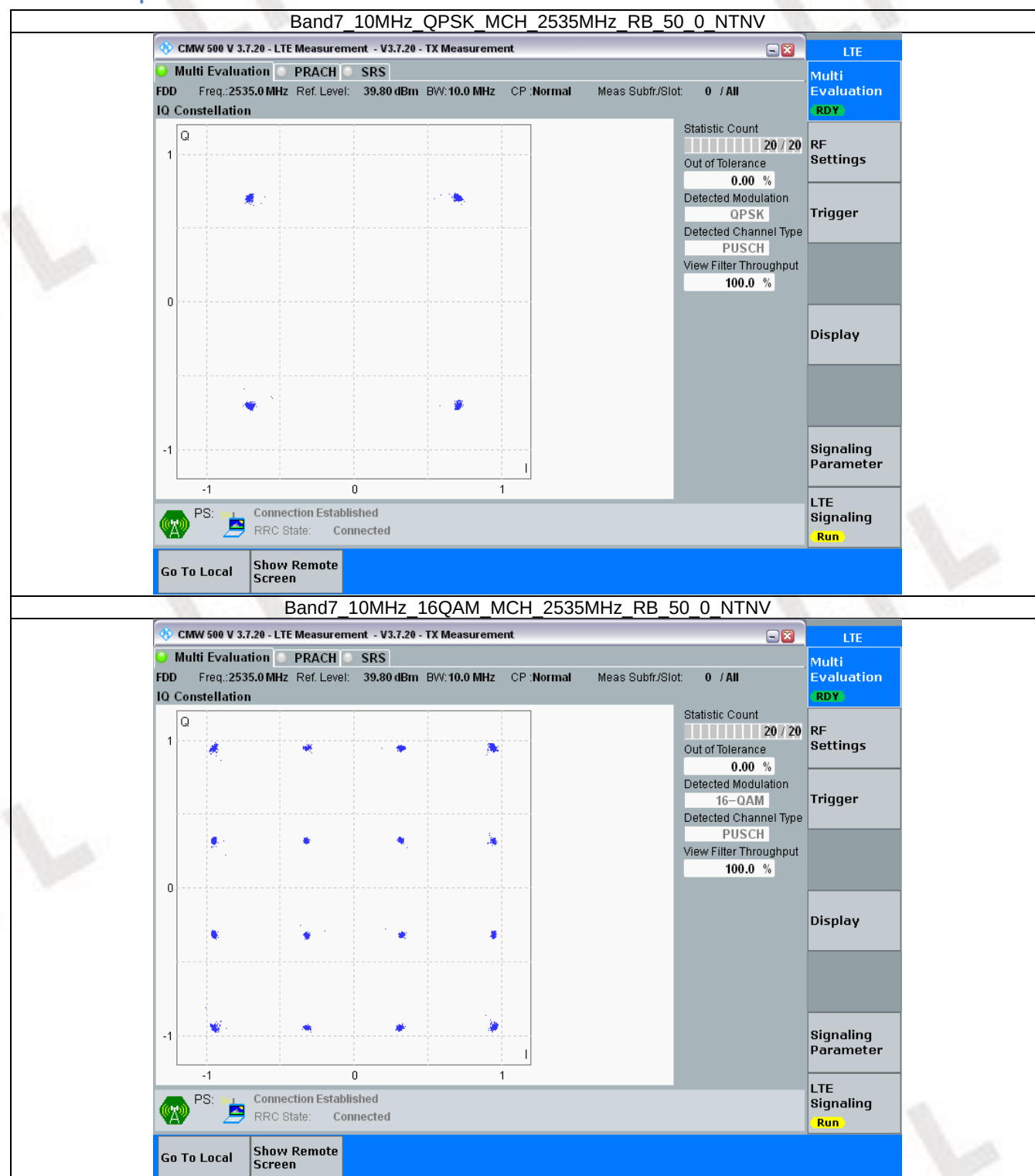


3.2 B7_10MHz

3.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	50	0	Refer To Test Graph		Pass
16QAM	2535	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

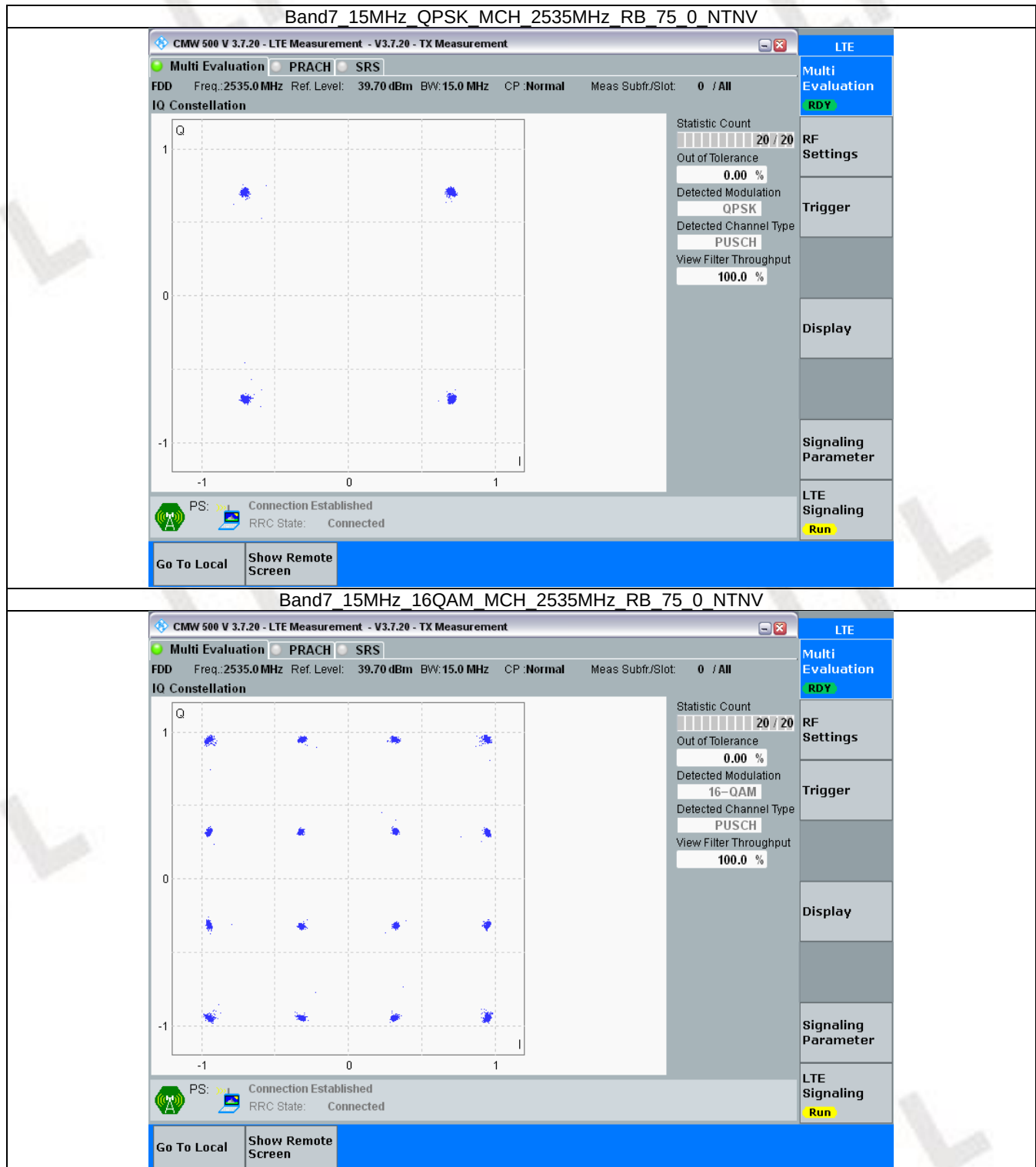


3.3 B7_15MHz

3.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

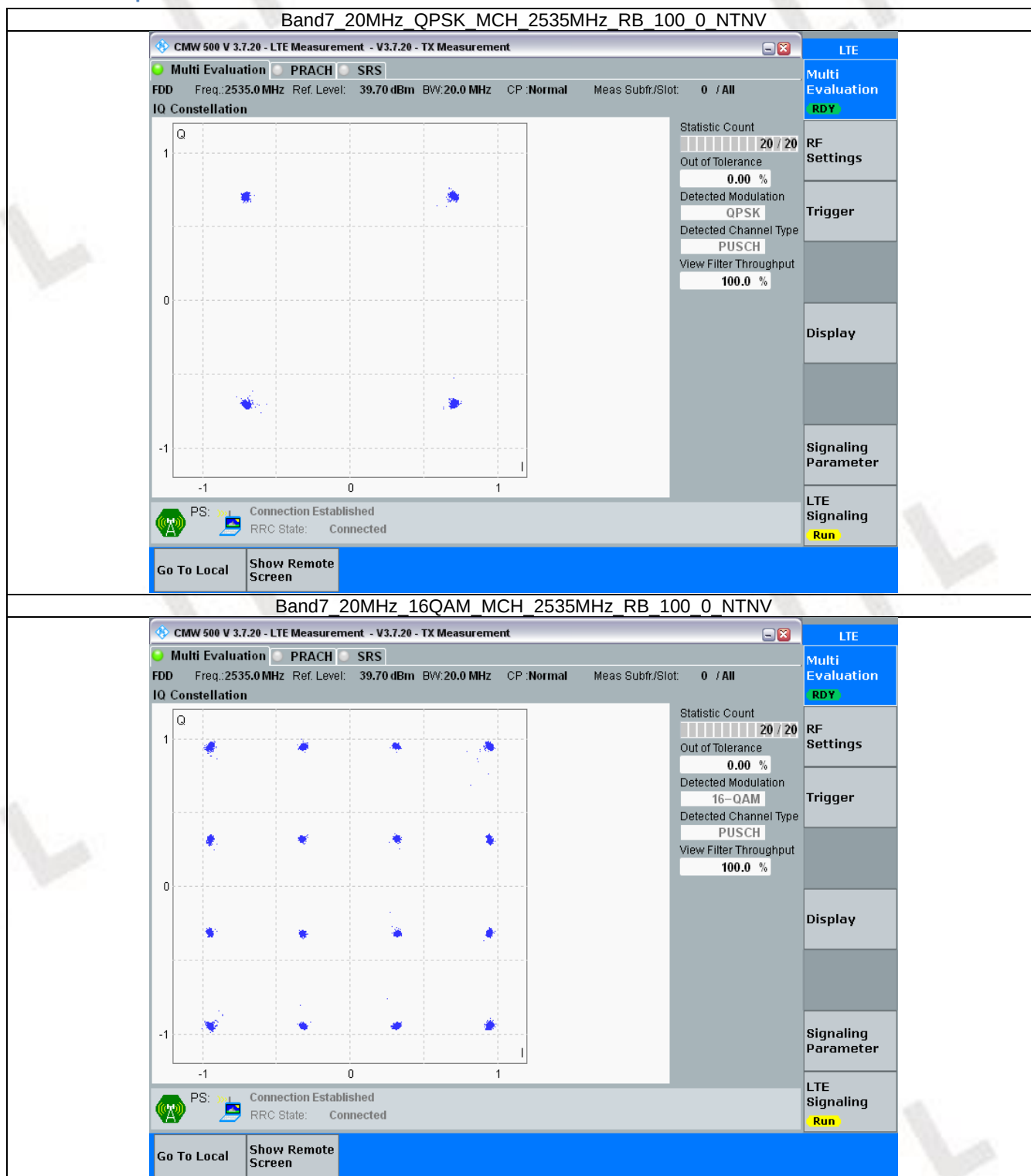


3.4 B7_20MHz

3.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph



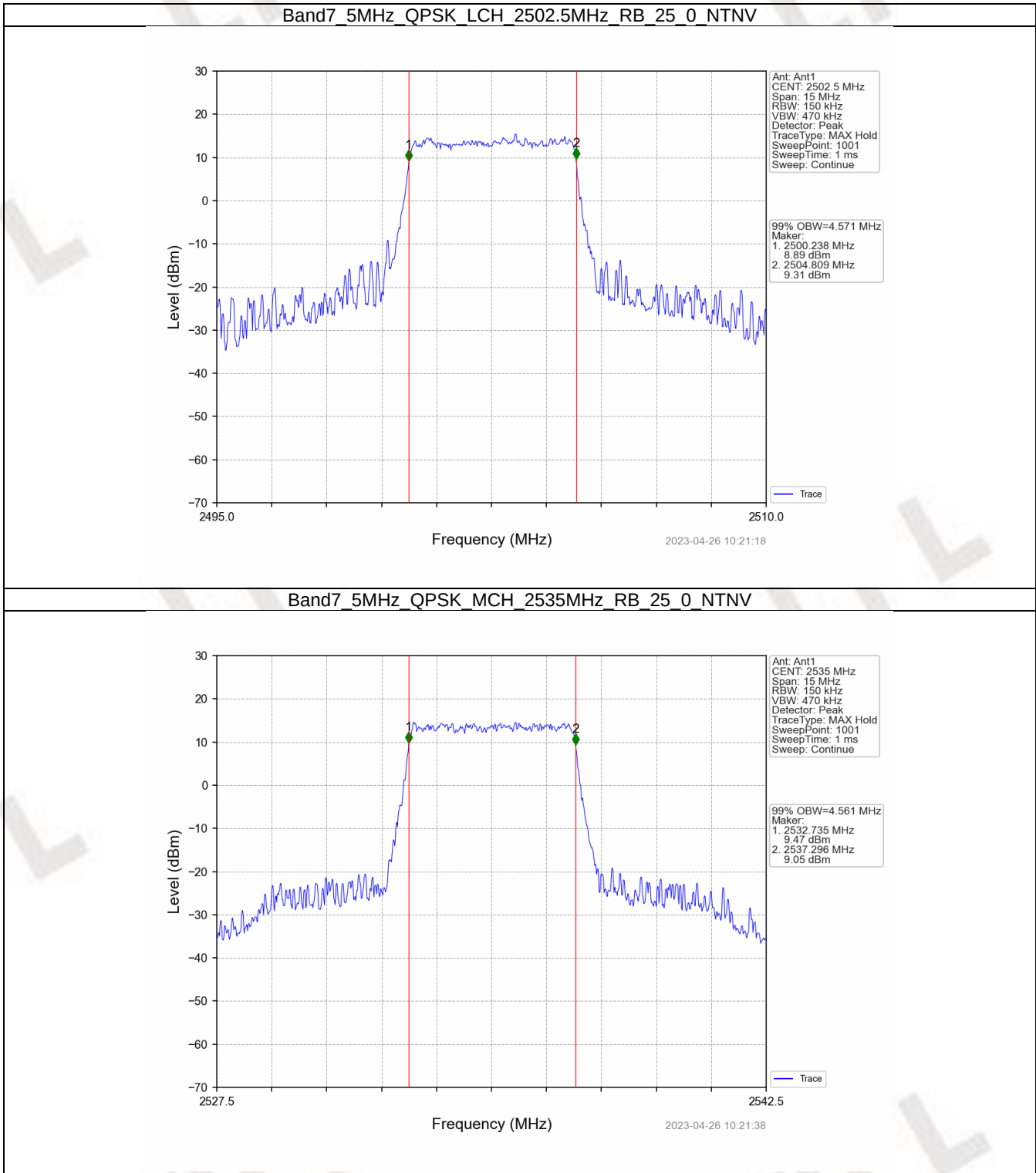
4. 99% & 26dB Bandwidth

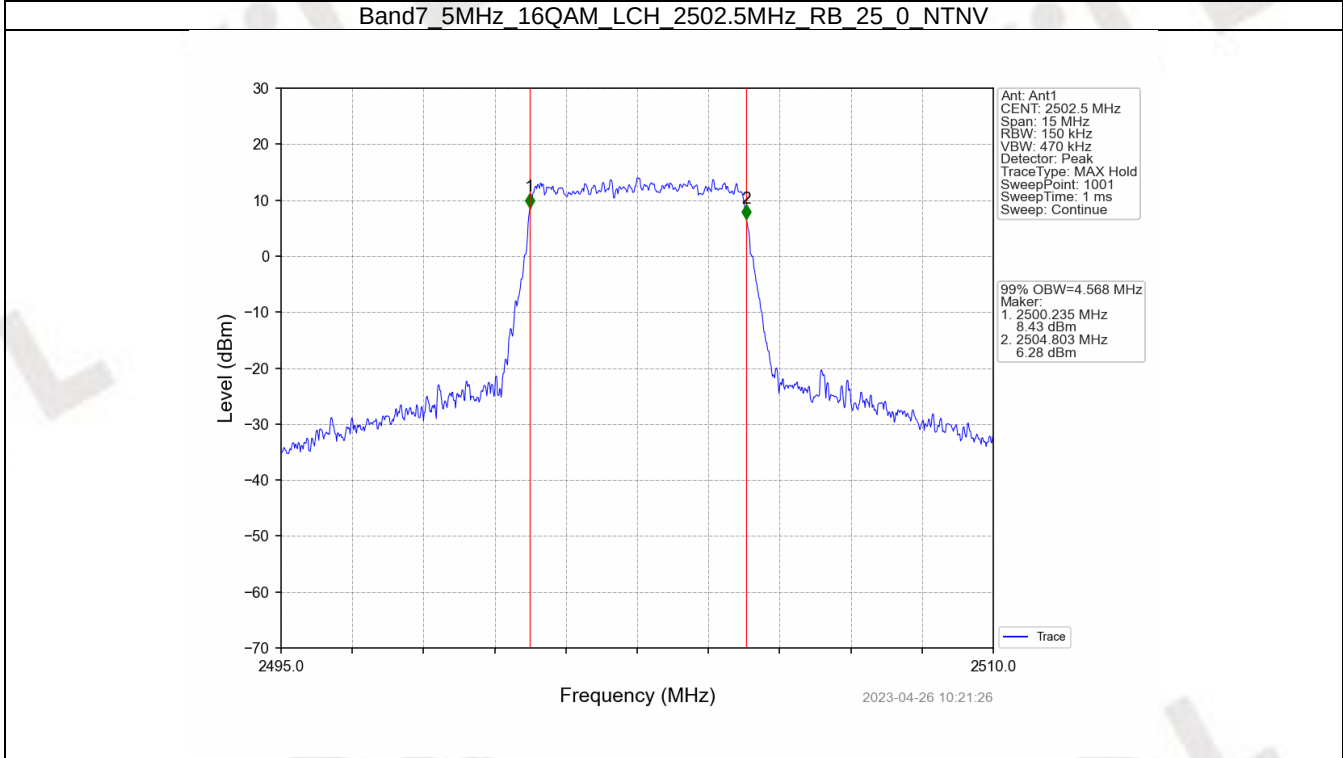
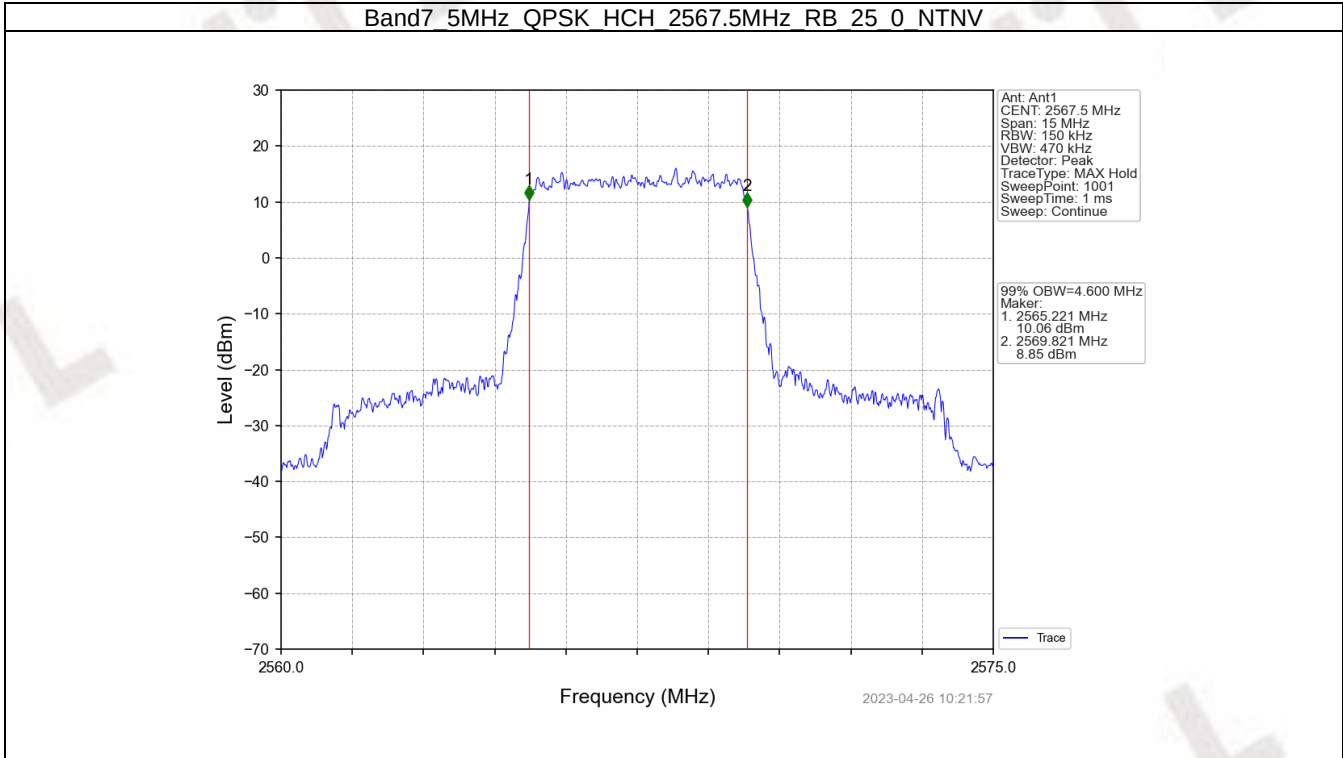
4.1 Band7_OBW

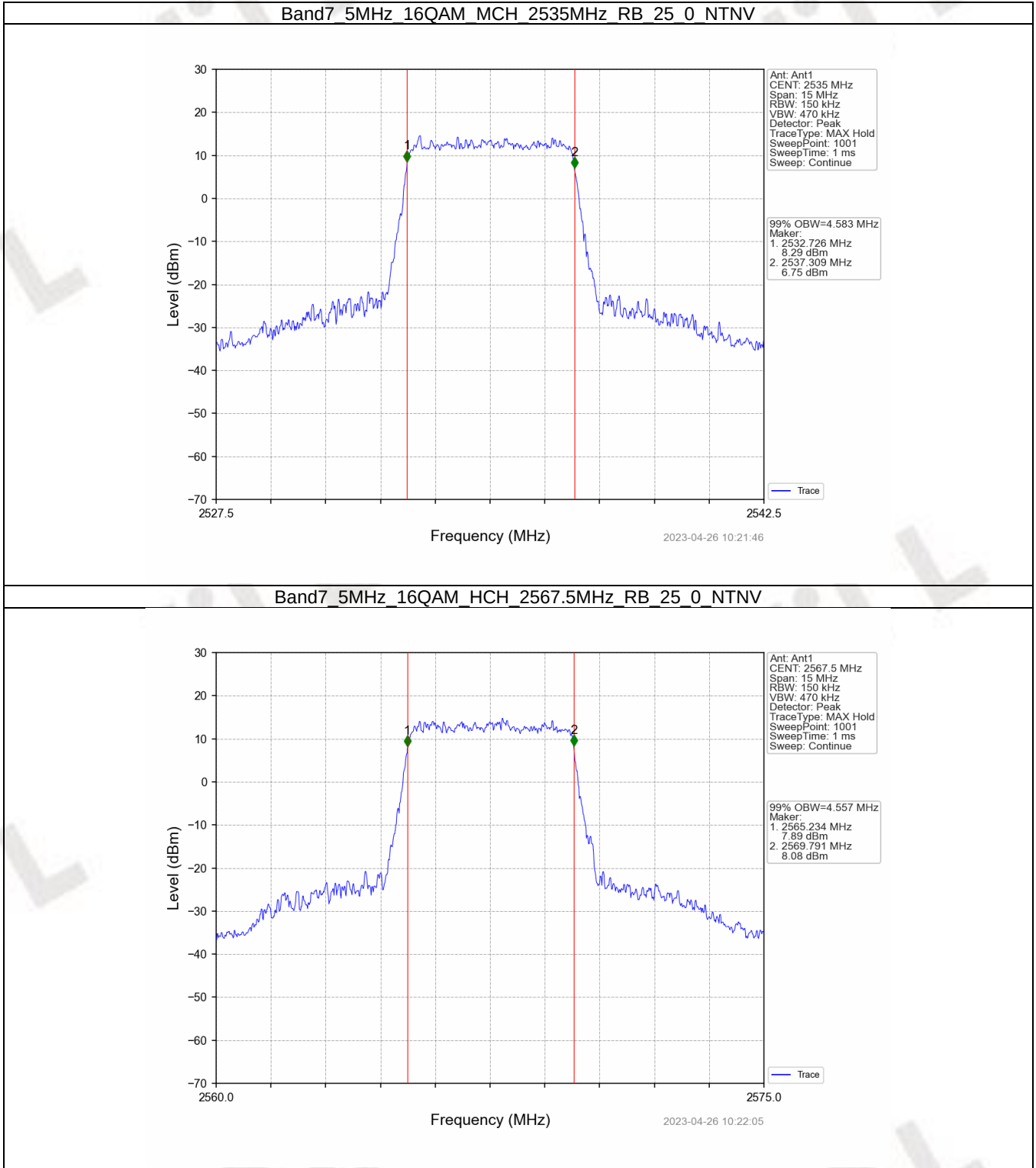
4.1.1 Test Result

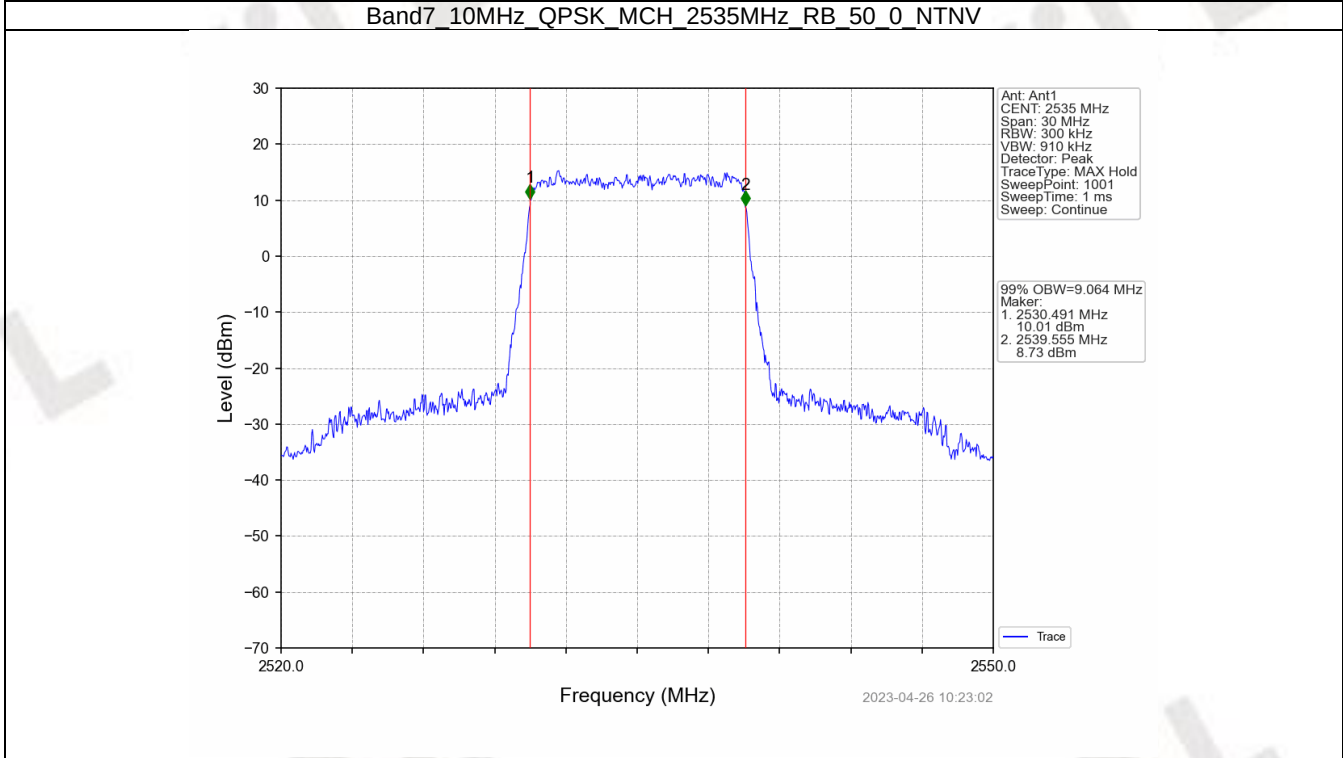
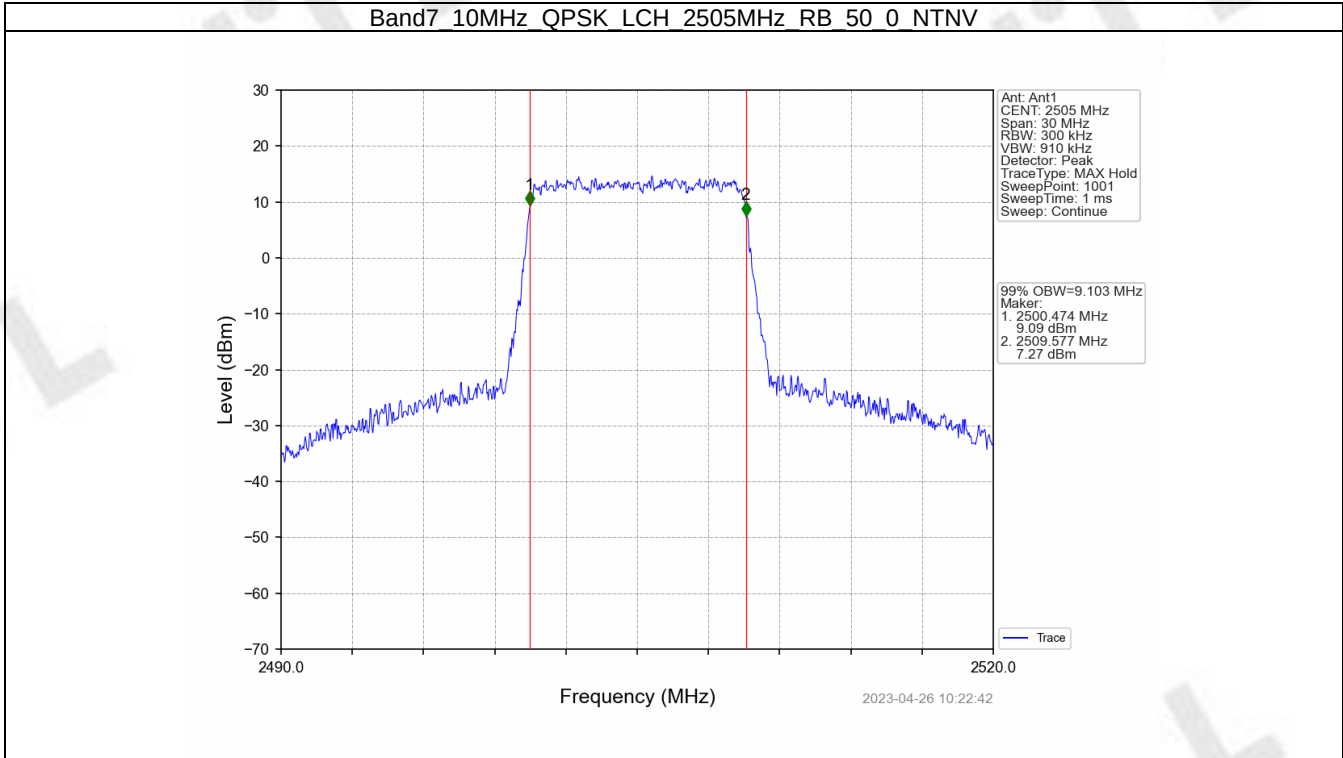
Band: 7 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	4.571	Pass
		2535	25	0	4.561	Pass
		2567.5	25	0	4.600	Pass
	16QAM	2502.5	25	0	4.568	Pass
		2535	25	0	4.583	Pass
		2567.5	25	0	4.557	Pass
10	QPSK	2505	50	0	9.103	Pass
		2535	50	0	9.064	Pass
		2565	50	0	9.107	Pass
	16QAM	2505	50	0	9.065	Pass
		2535	50	0	9.062	Pass
		2565	50	0	9.091	Pass
15	QPSK	2507.5	75	0	13.600	Pass
		2535	75	0	13.584	Pass
		2562.5	75	0	13.621	Pass
	16QAM	2507.5	75	0	13.607	Pass
		2535	75	0	13.603	Pass
		2562.5	75	0	13.621	Pass
20	QPSK	2510	100	0	18.117	Pass
		2535	100	0	18.151	Pass
		2560	100	0	18.107	Pass
	16QAM	2510	100	0	18.080	Pass
		2535	100	0	18.071	Pass
		2560	100	0	18.196	Pass

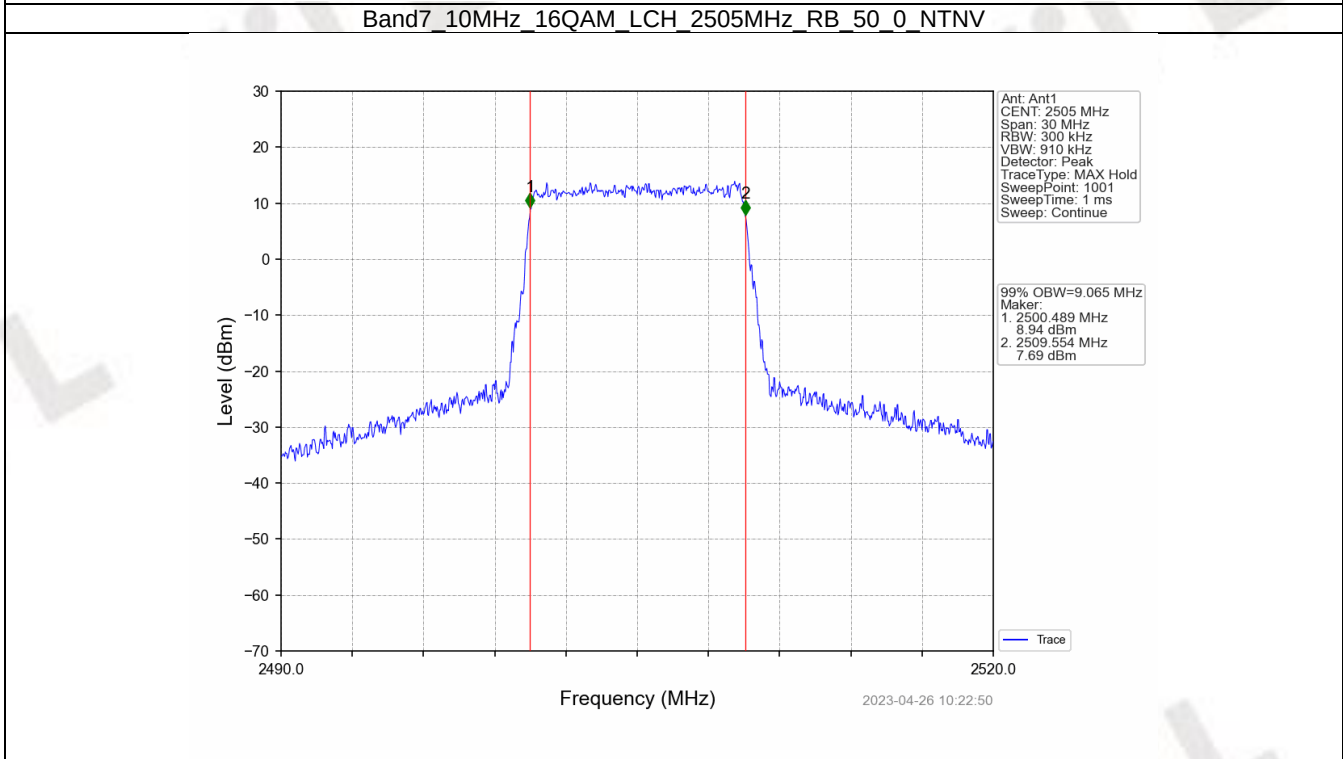
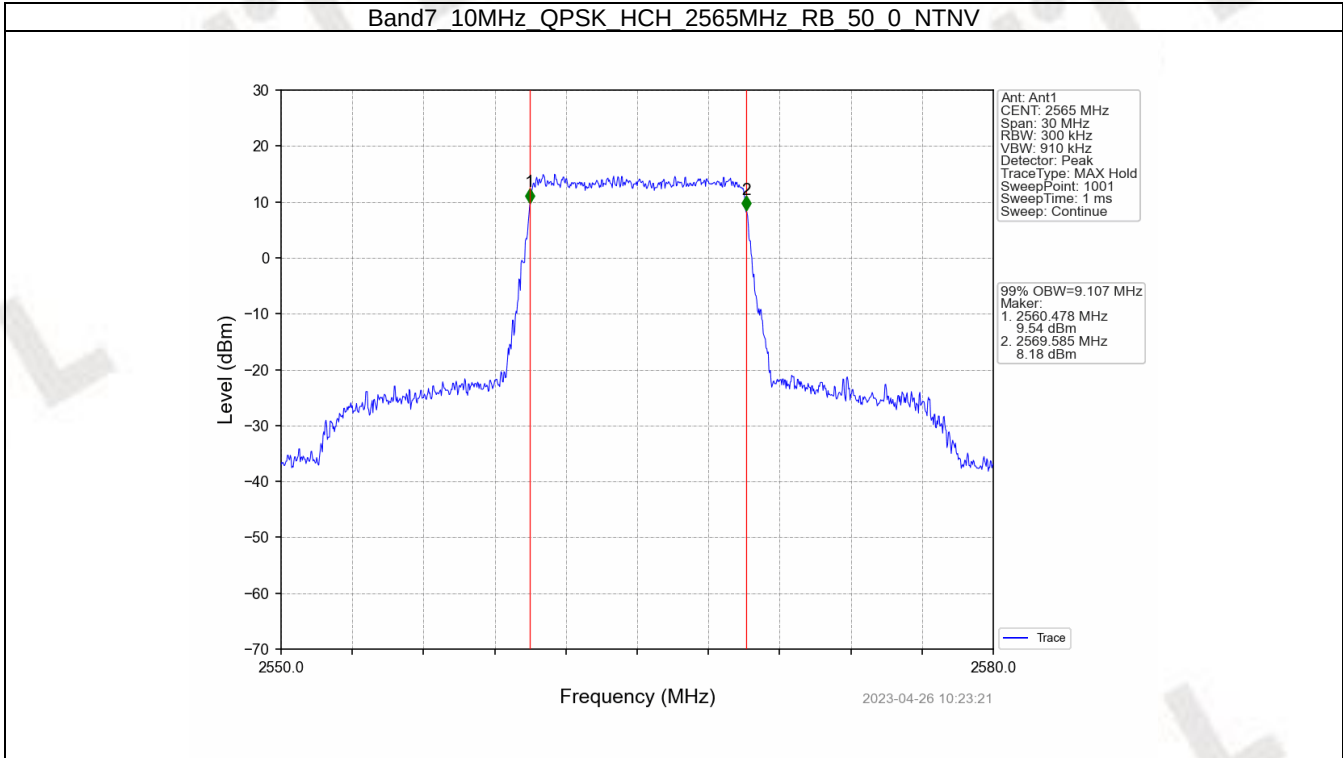
4.1.2 Test Graph

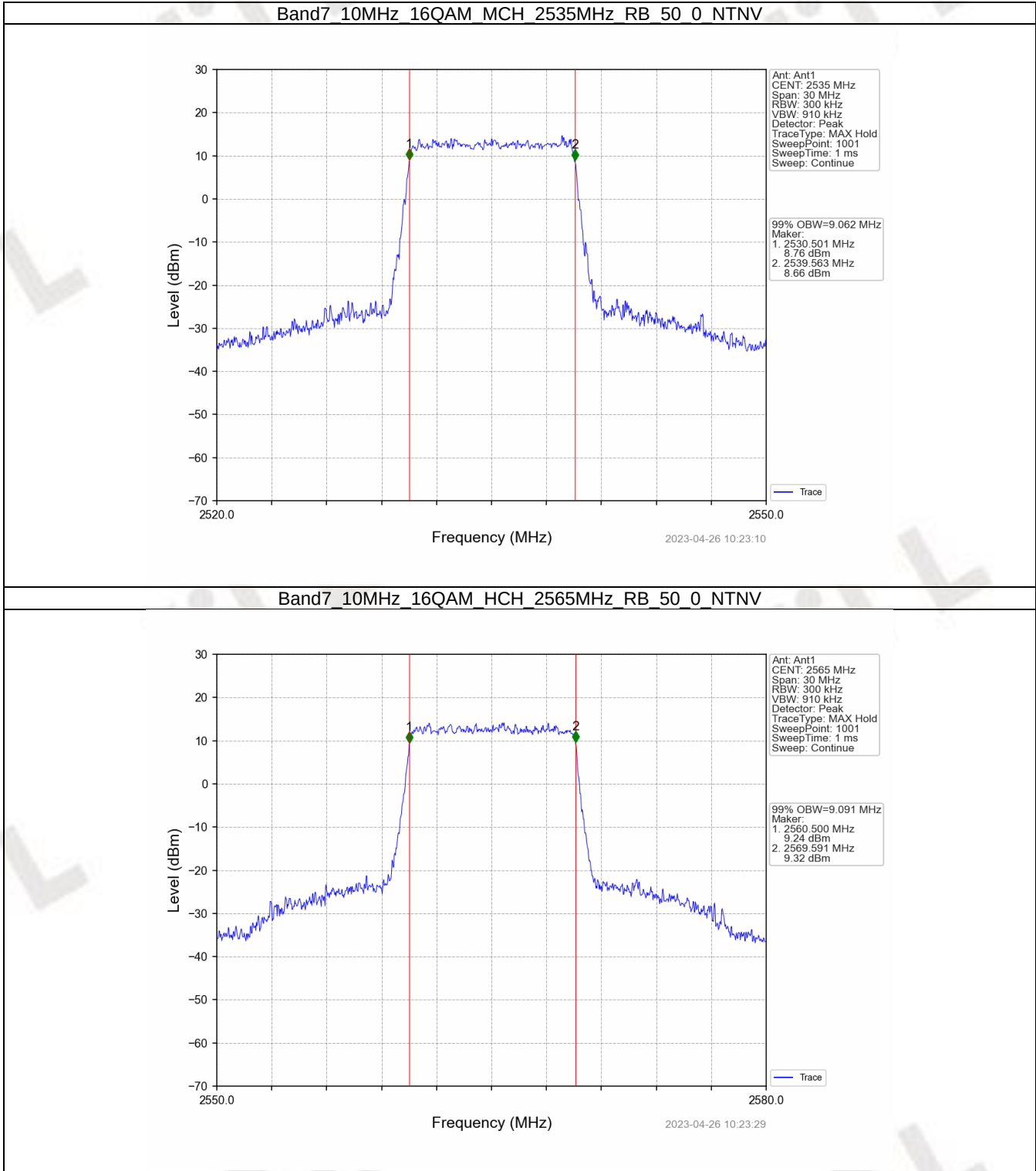


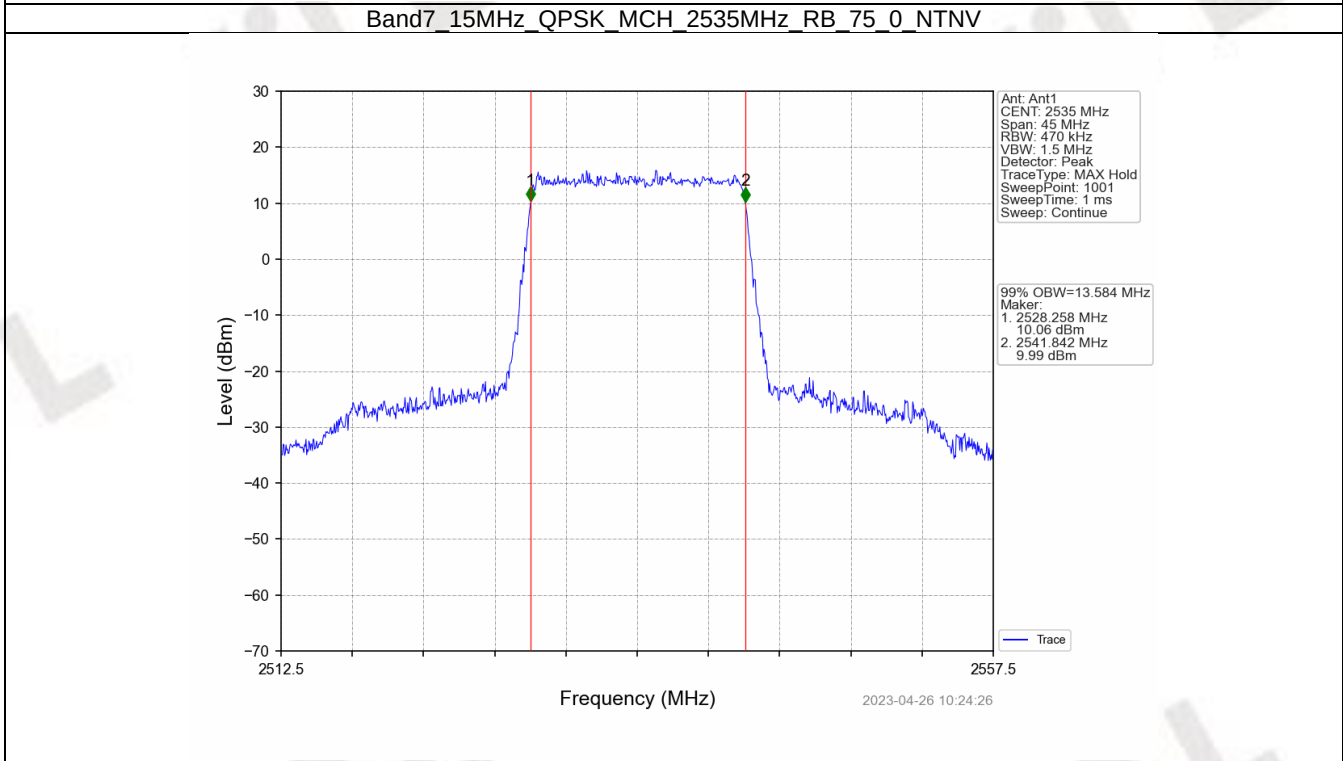
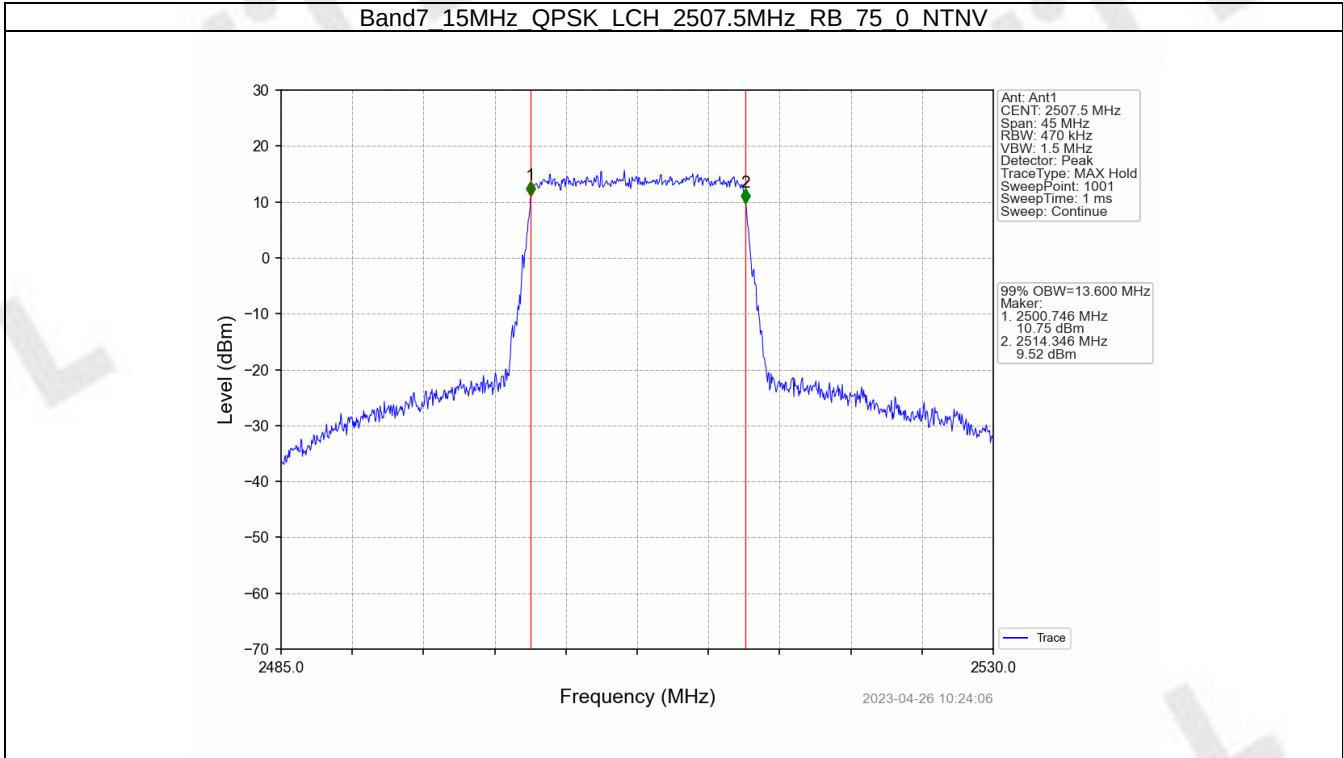


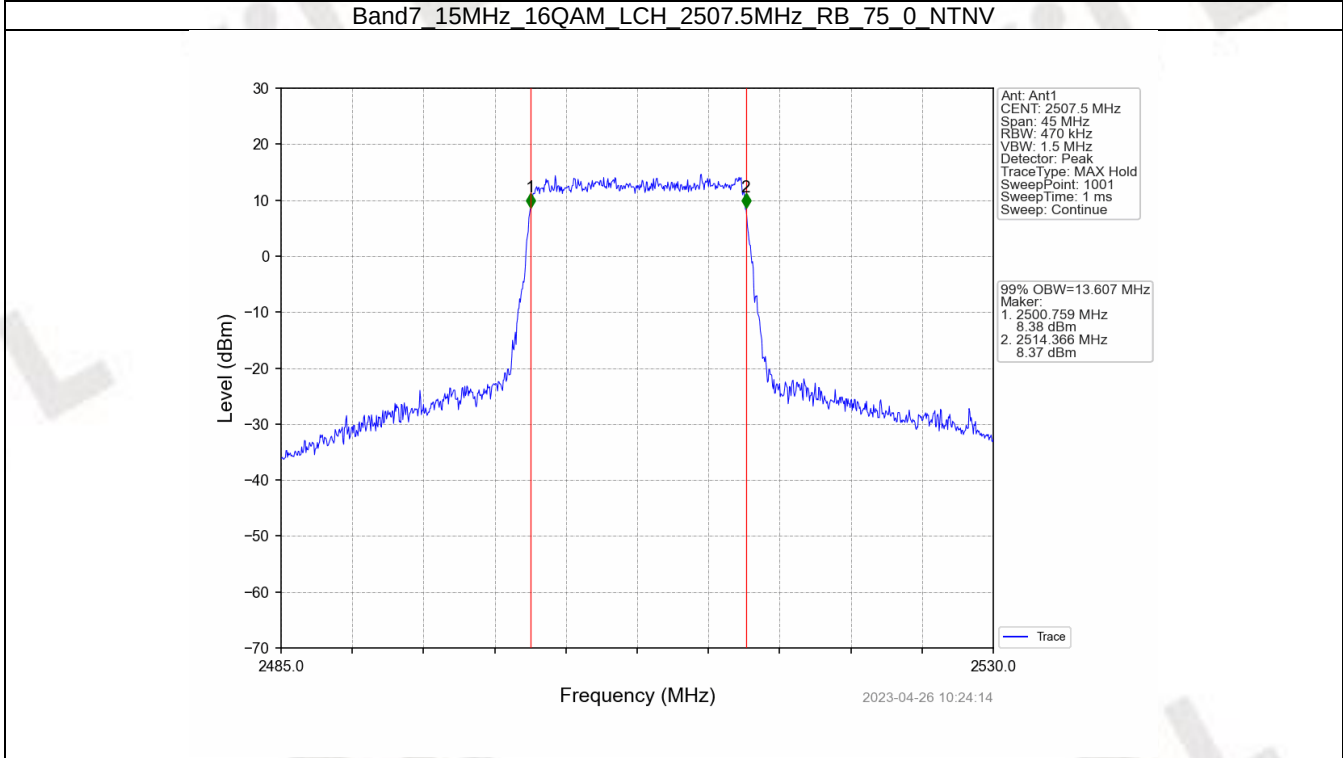
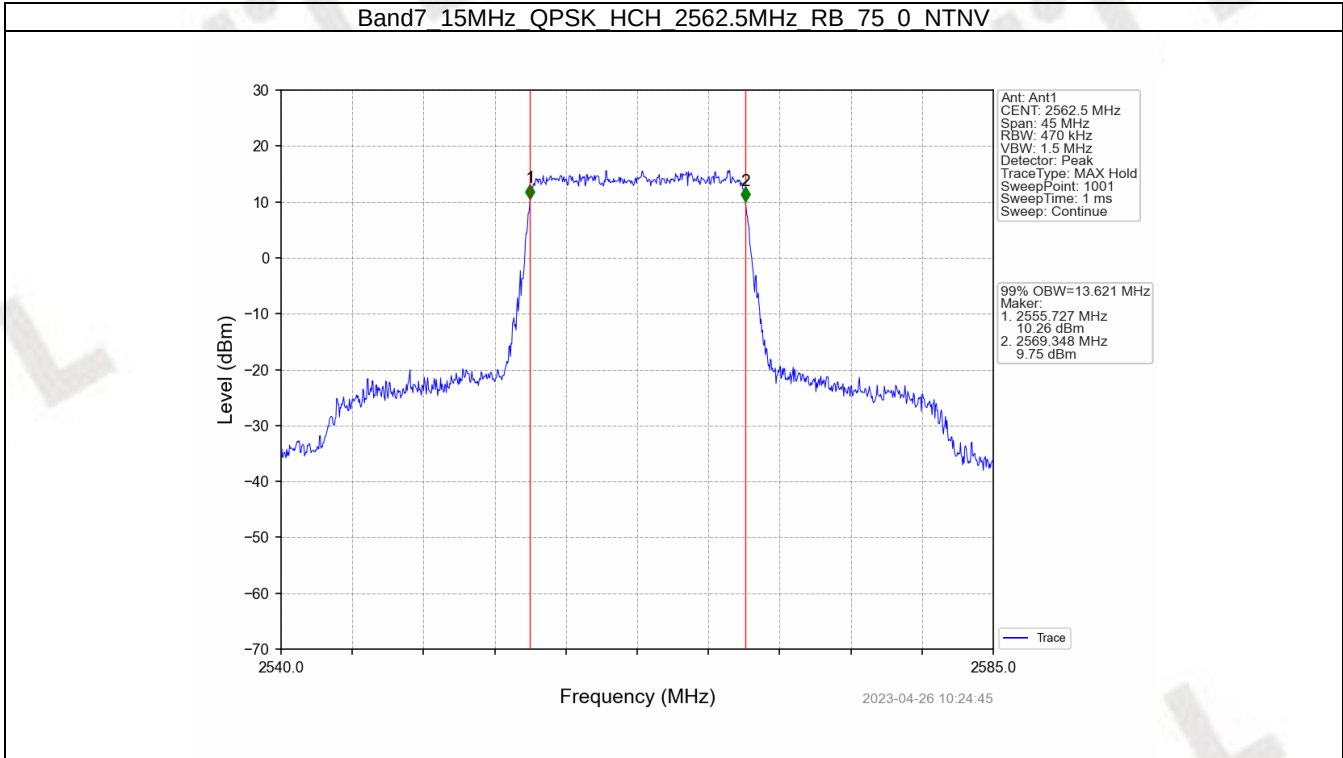


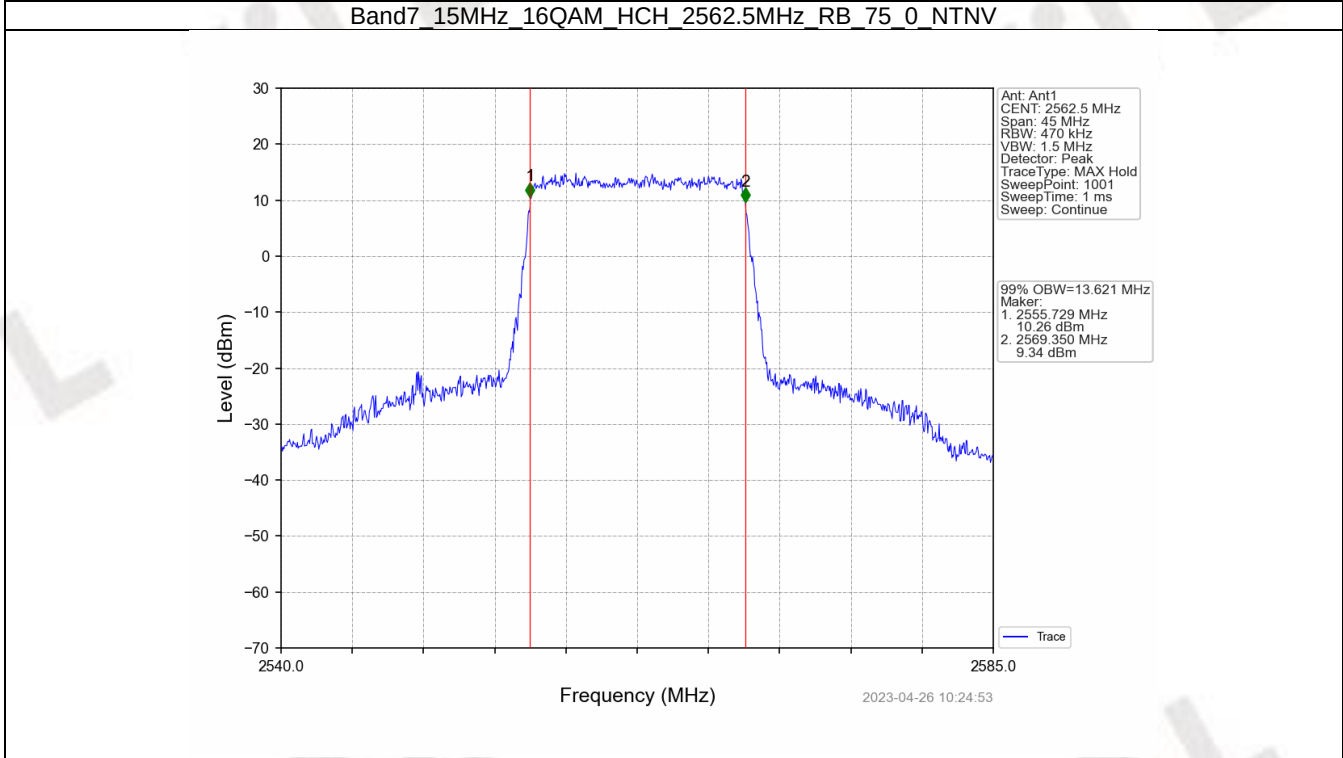
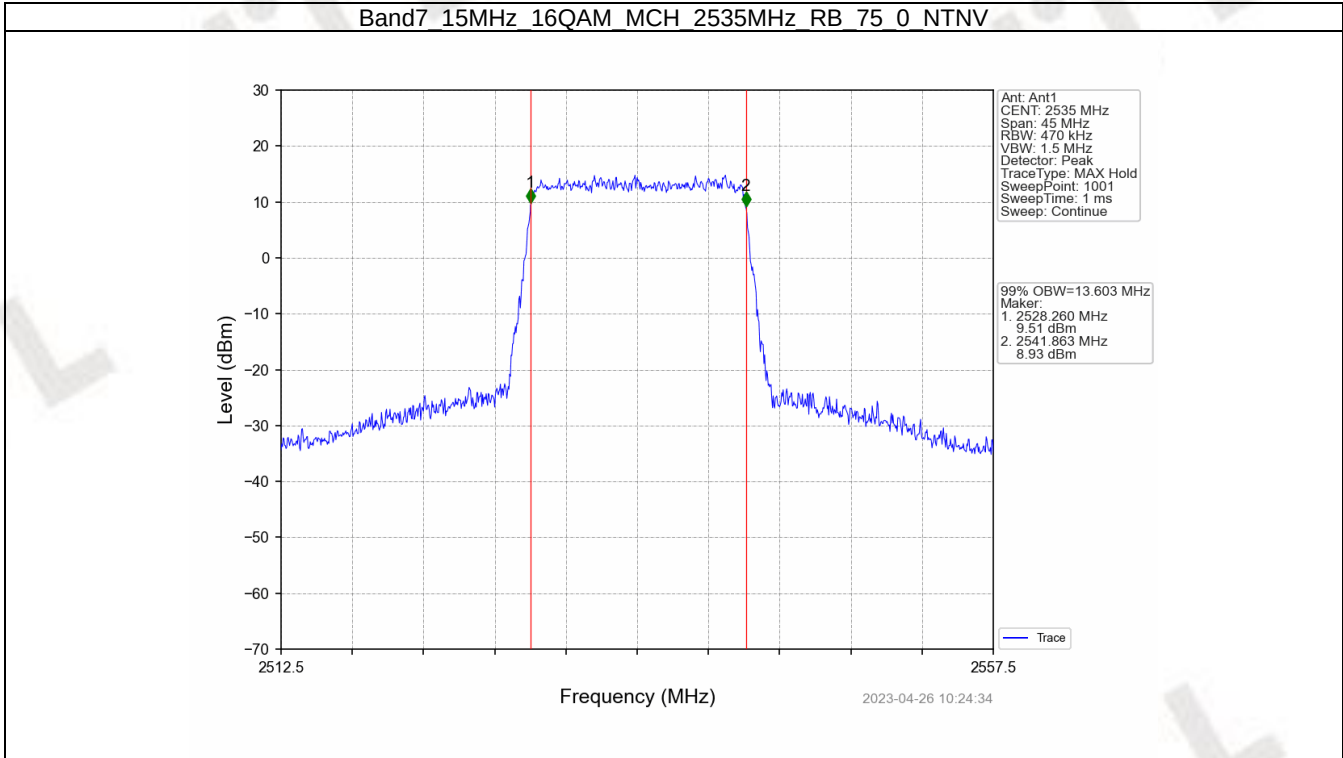


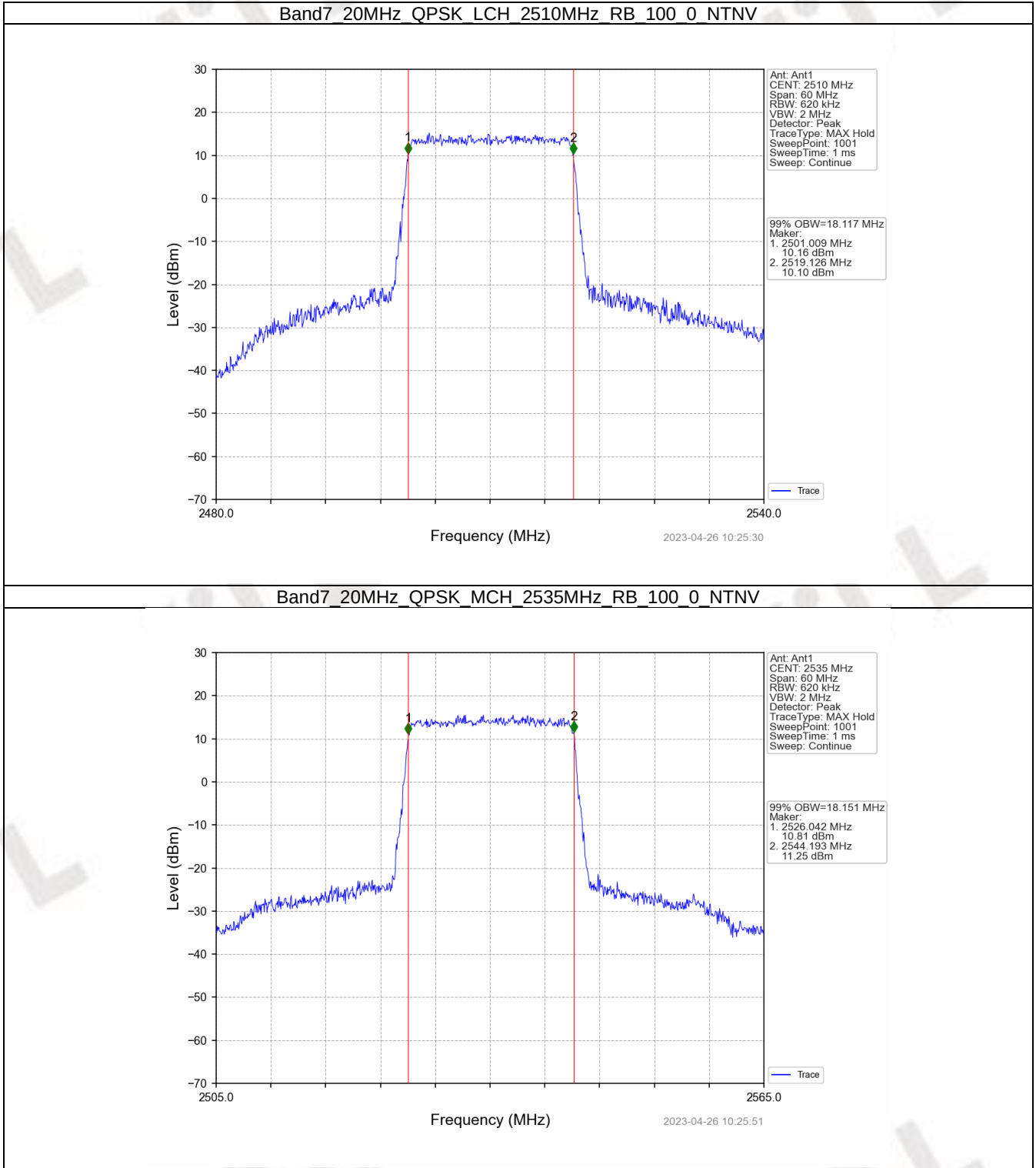


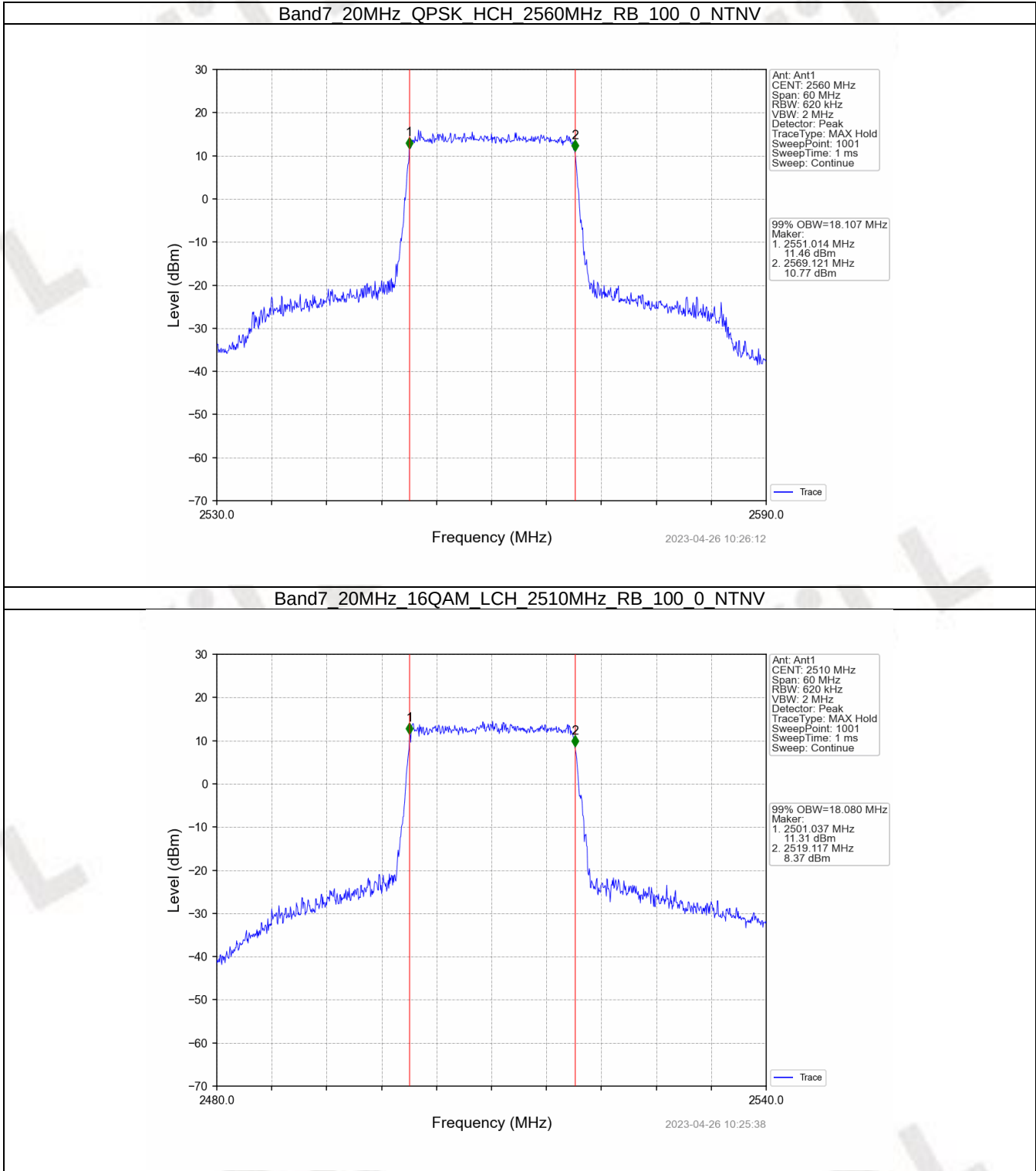


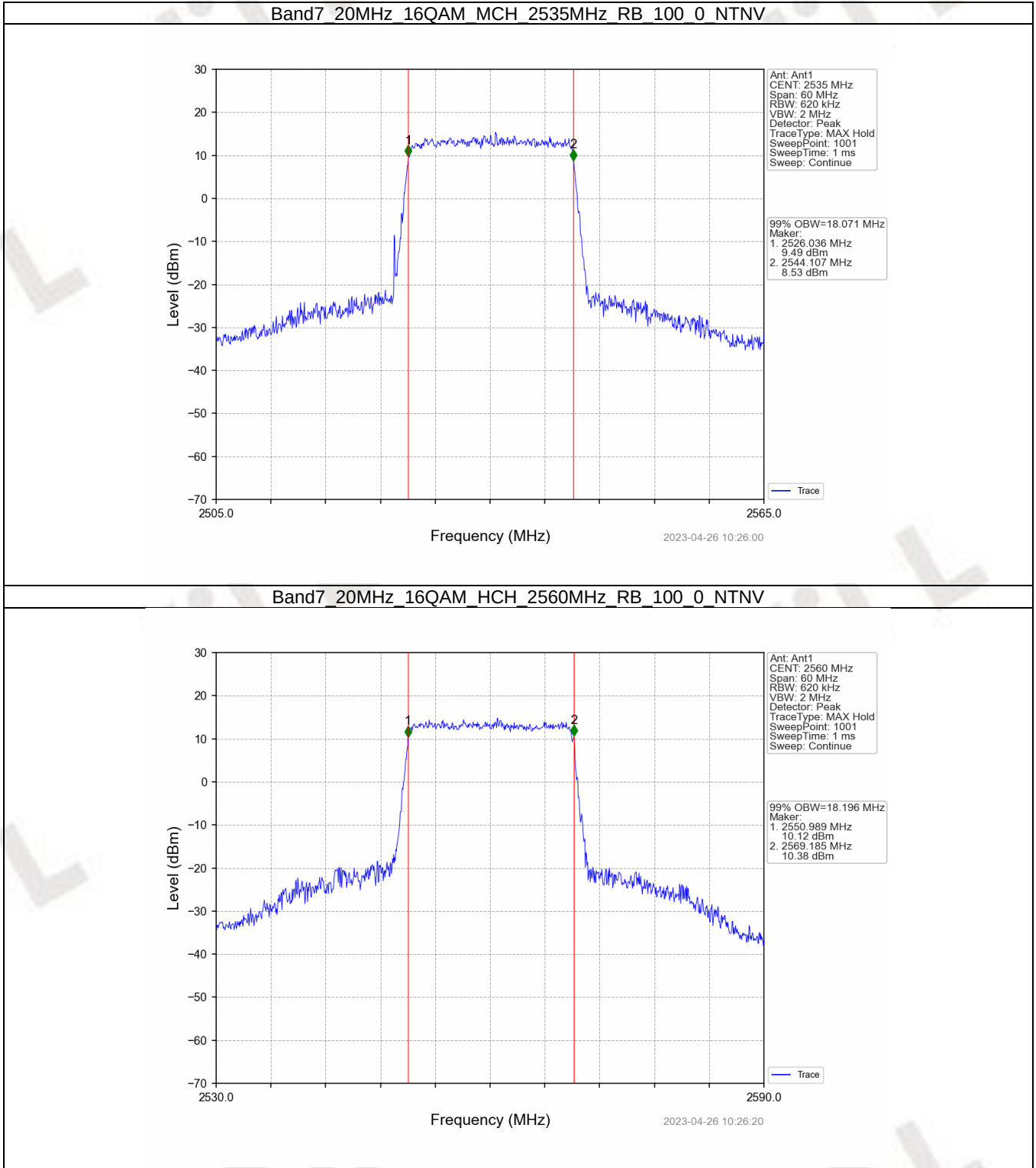










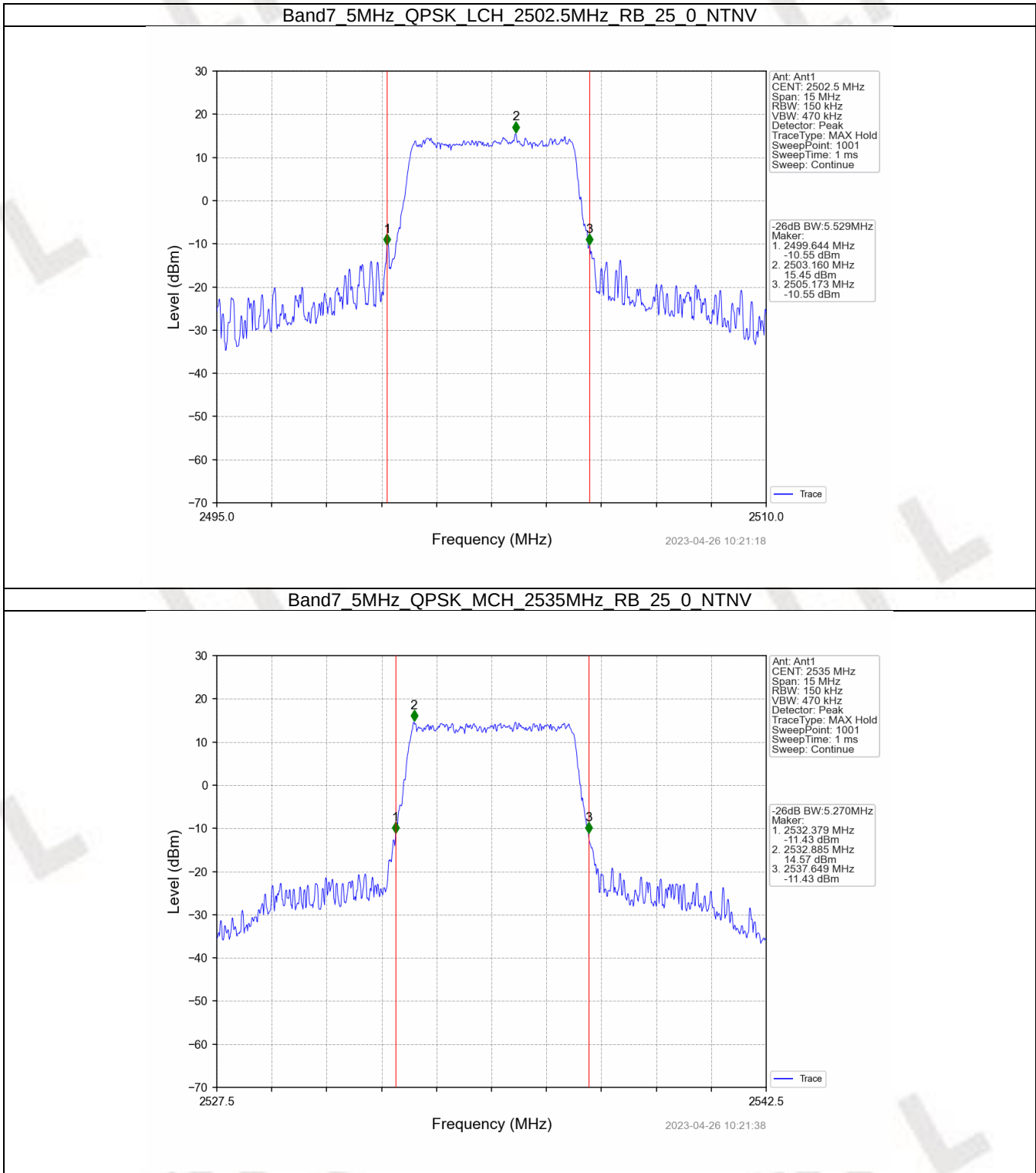


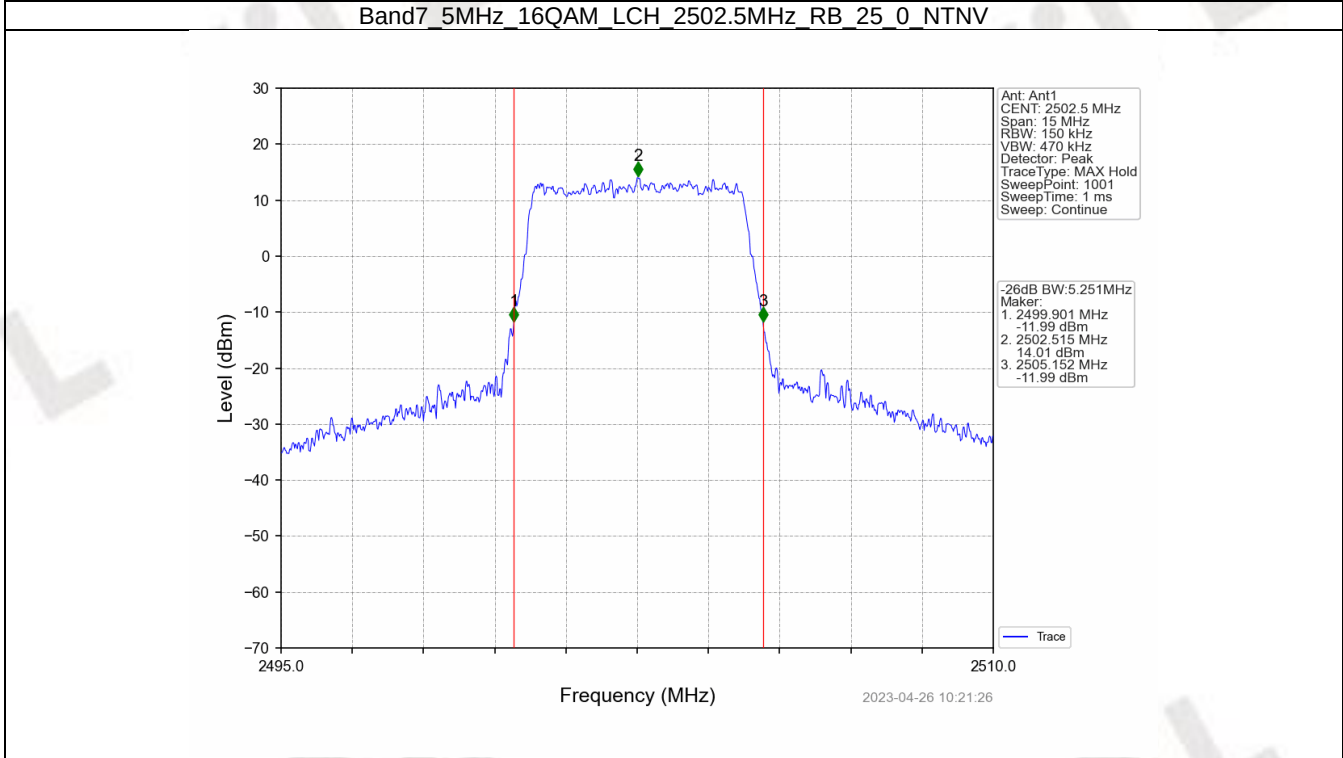
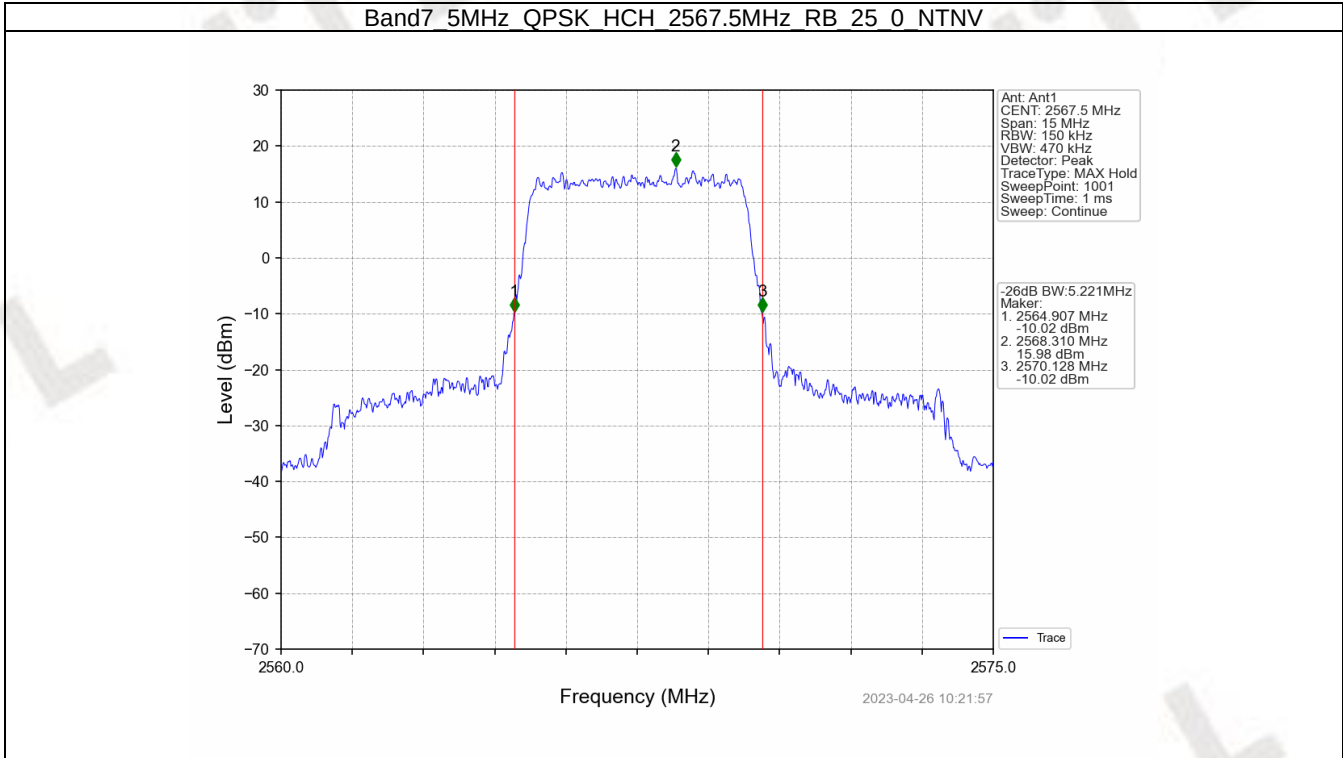
4.2 Band7_XDB

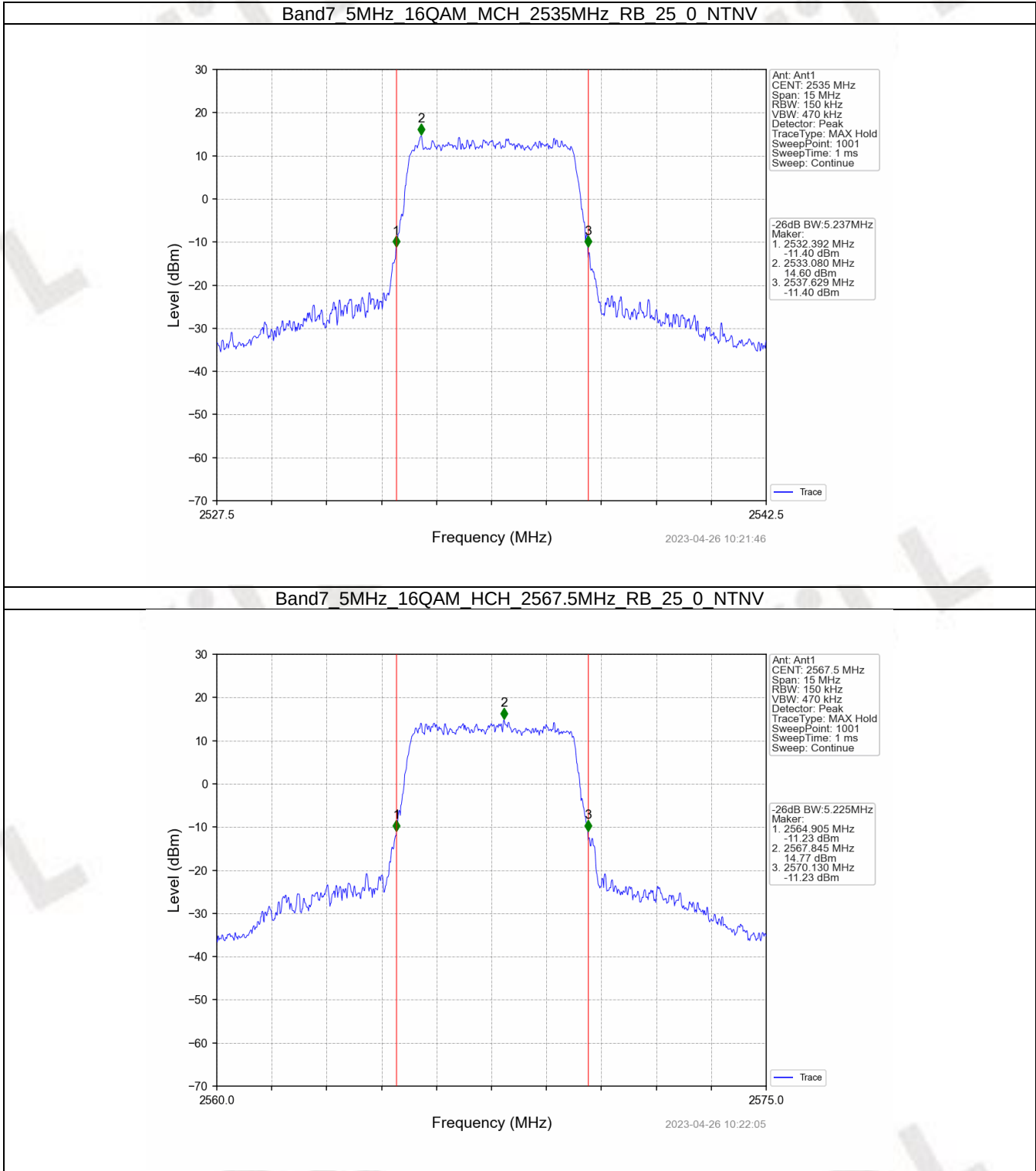
4.2.1 Test Result

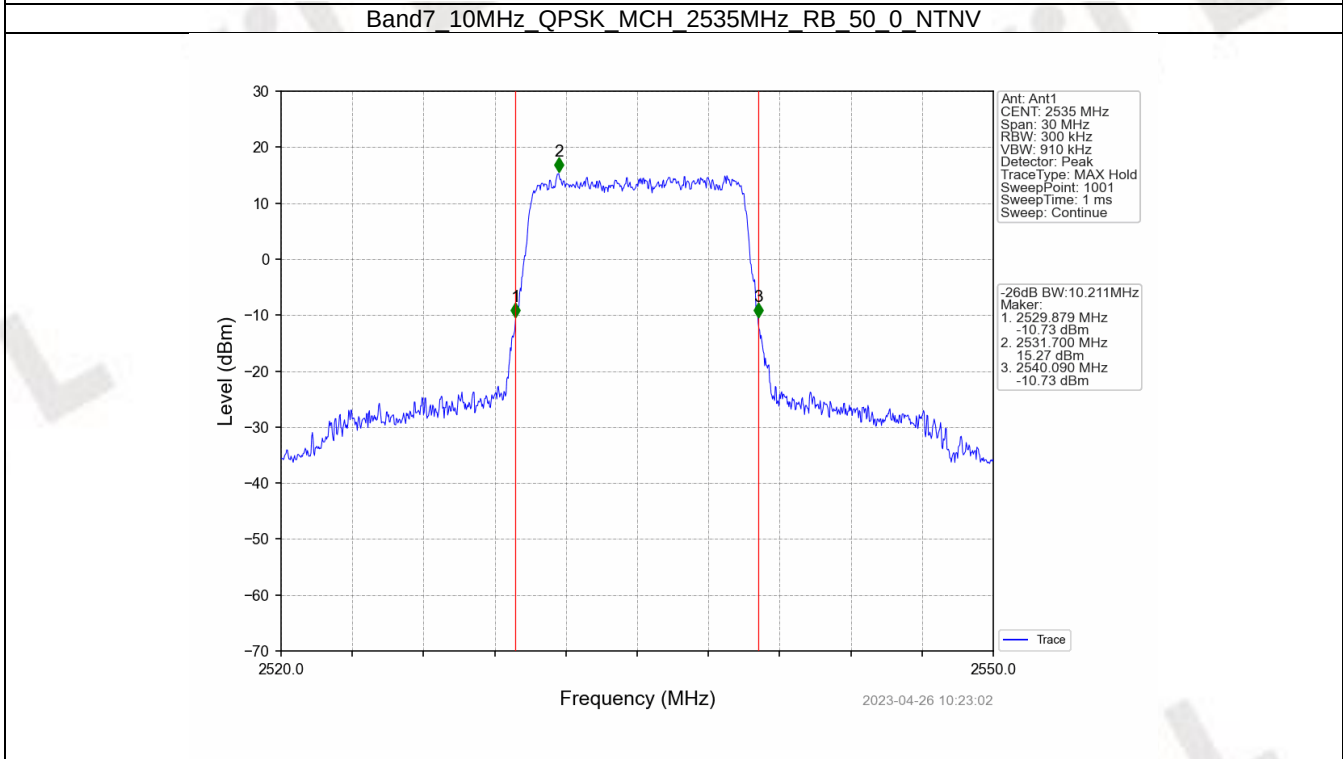
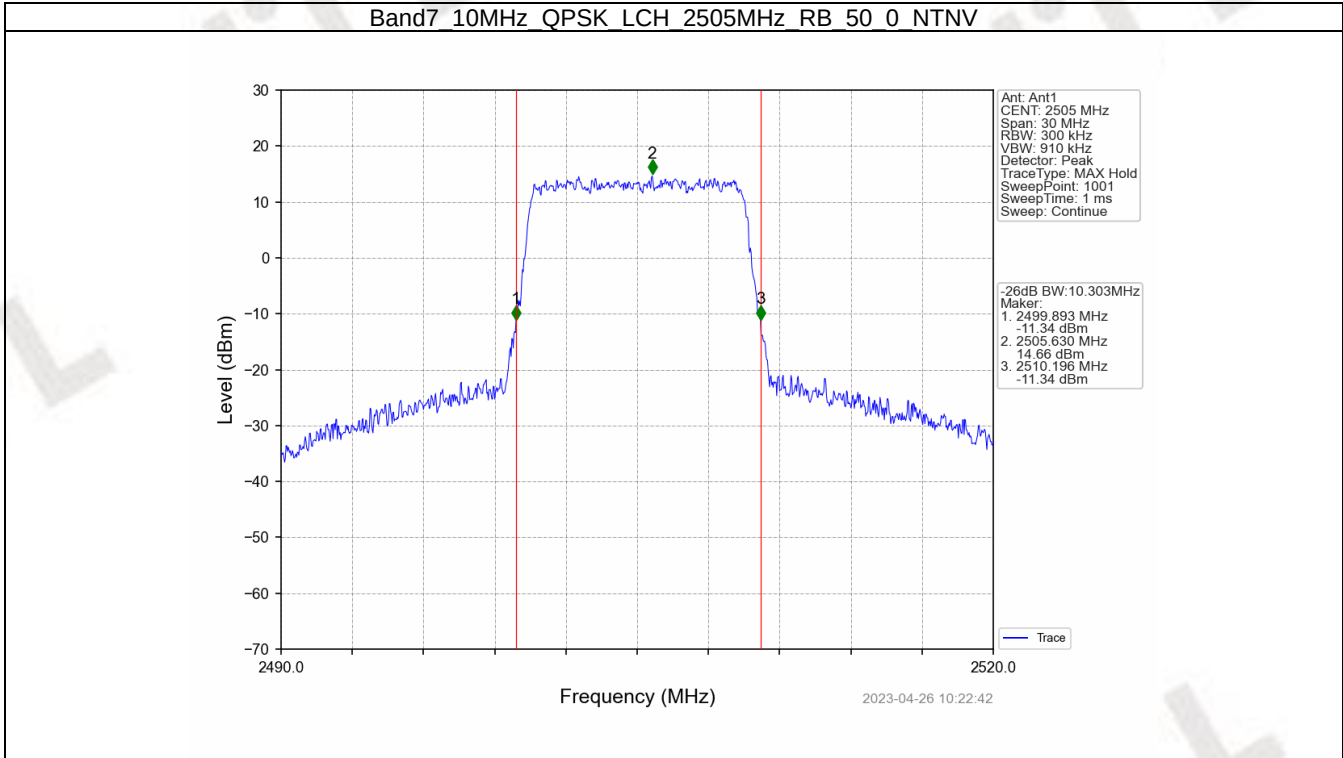
Band: 7 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz) Result	Verdict
			Size	Offset		
5	QPSK	2502.5	25	0	5.529	Pass
		2535	25	0	5.270	Pass
		2567.5	25	0	5.221	Pass
	16QAM	2502.5	25	0	5.251	Pass
		2535	25	0	5.237	Pass
		2567.5	25	0	5.225	Pass
10	QPSK	2505	50	0	10.303	Pass
		2535	50	0	10.211	Pass
		2565	50	0	10.397	Pass
	16QAM	2505	50	0	10.292	Pass
		2535	50	0	10.201	Pass
		2565	50	0	10.271	Pass
15	QPSK	2507.5	75	0	15.269	Pass
		2535	75	0	15.196	Pass
		2562.5	75	0	15.386	Pass
	16QAM	2507.5	75	0	15.299	Pass
		2535	75	0	15.210	Pass
		2562.5	75	0	15.463	Pass
20	QPSK	2510	100	0	20.133	Pass
		2535	100	0	20.000	Pass
		2560	100	0	19.950	Pass
	16QAM	2510	100	0	20.008	Pass
		2535	100	0	20.587	Pass
		2560	100	0	20.144	Pass

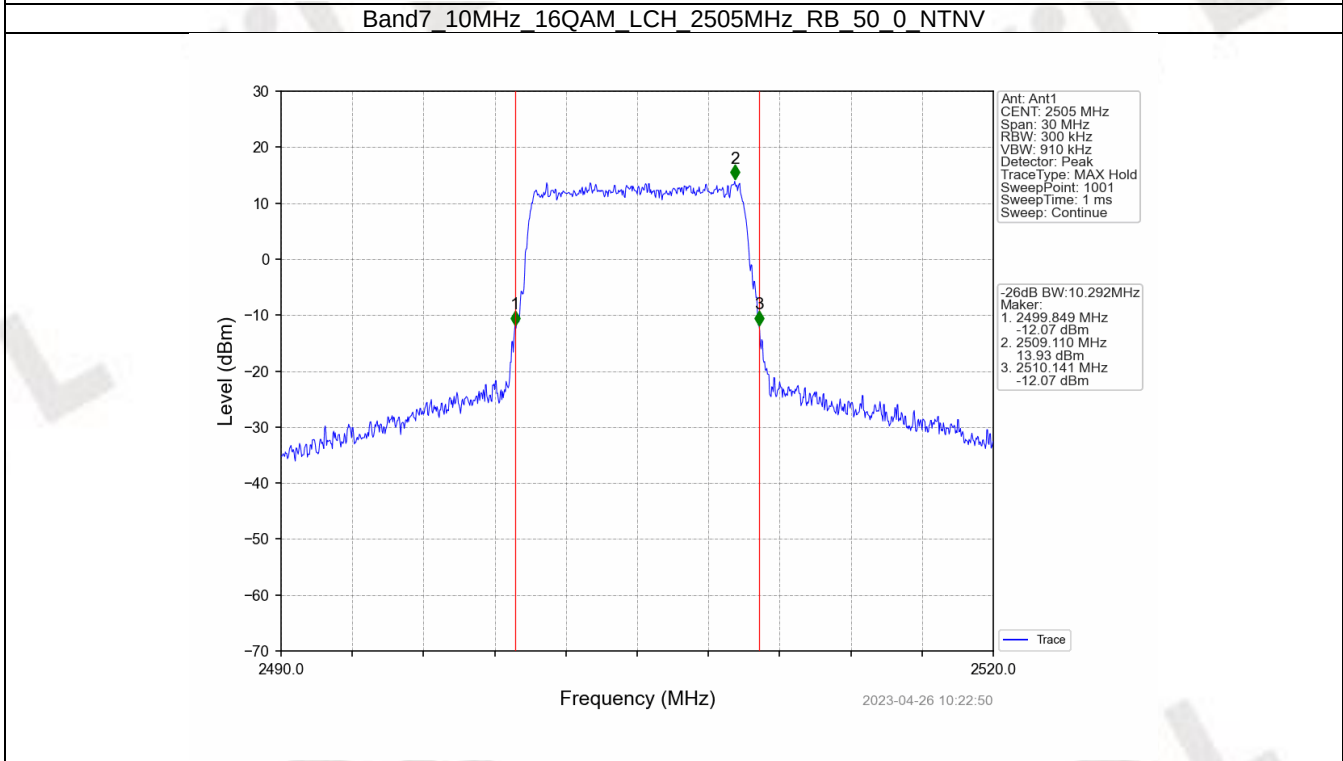
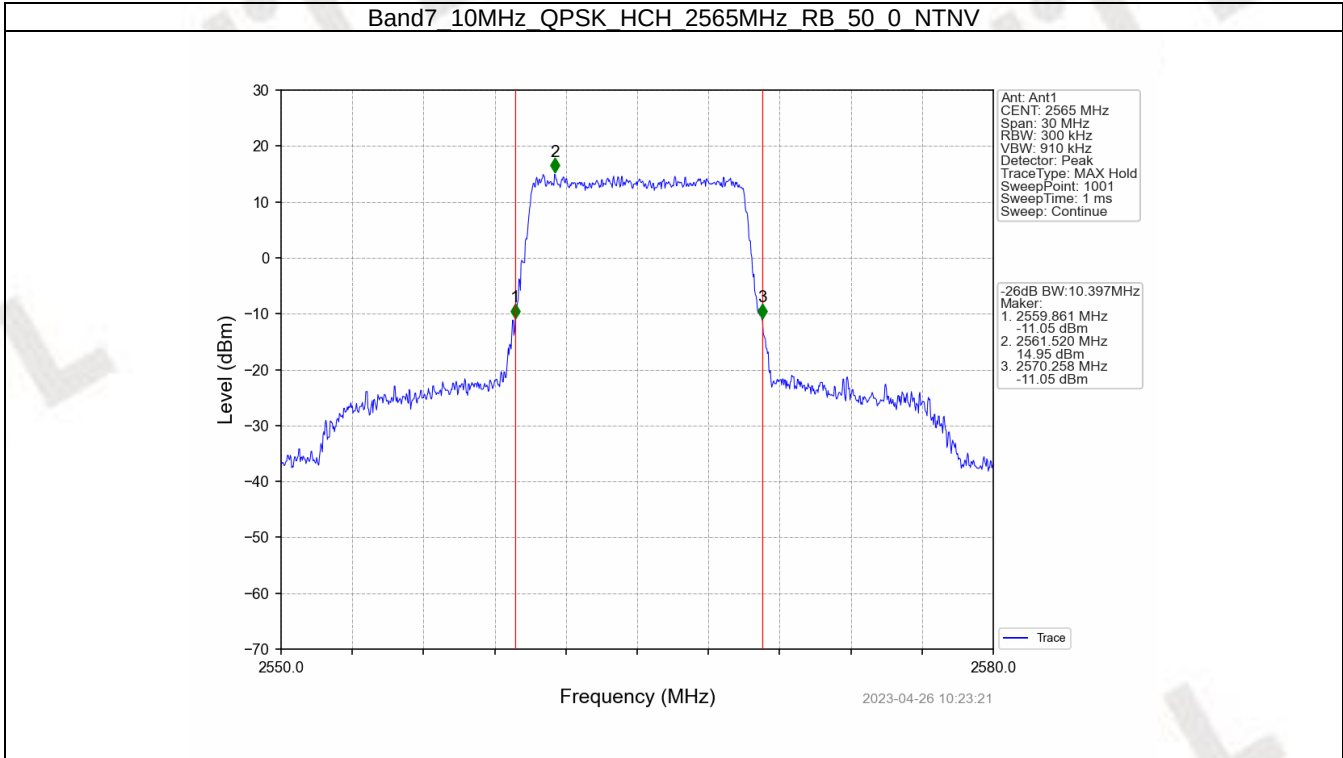
4.2.2 Test Graph

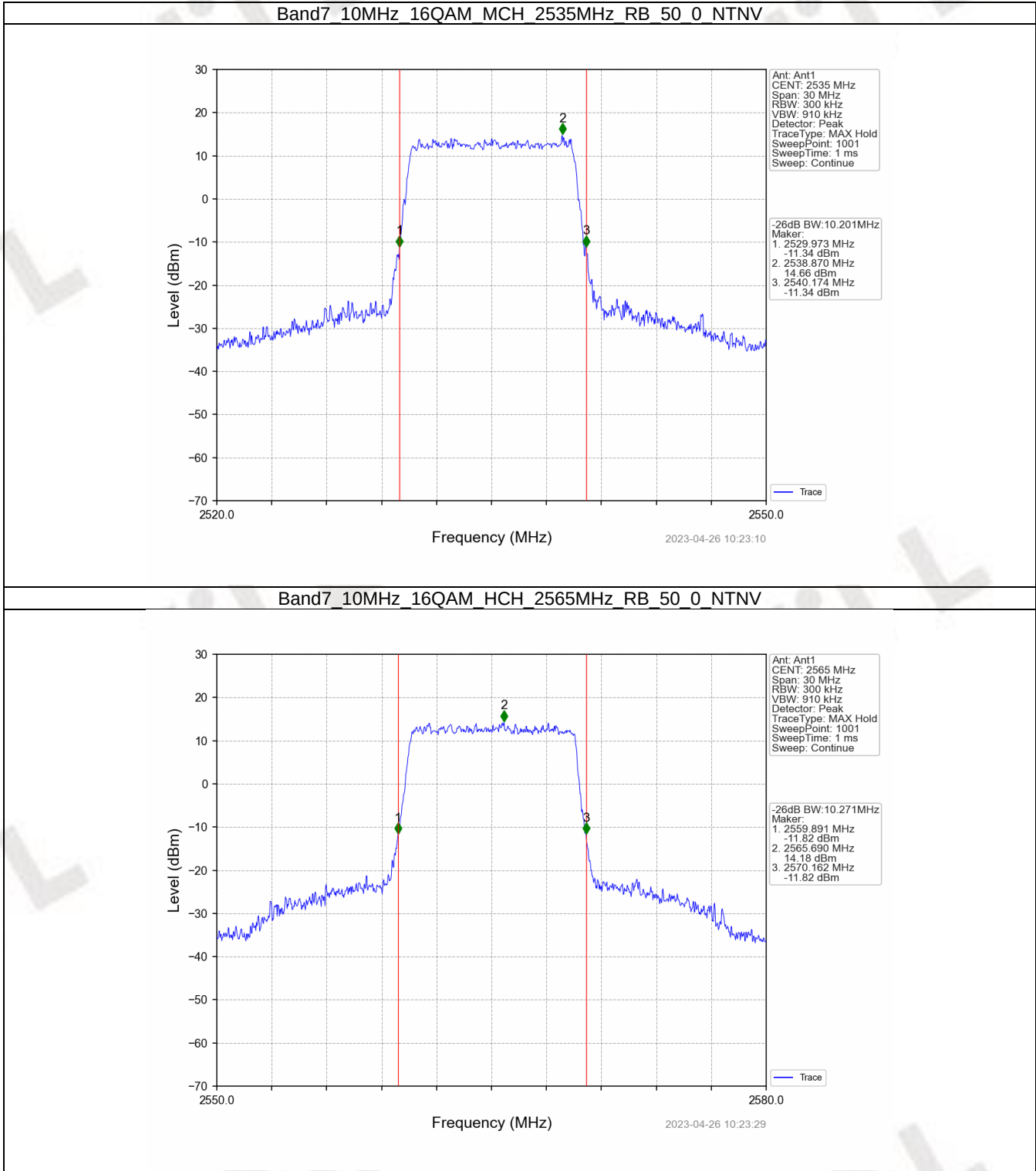


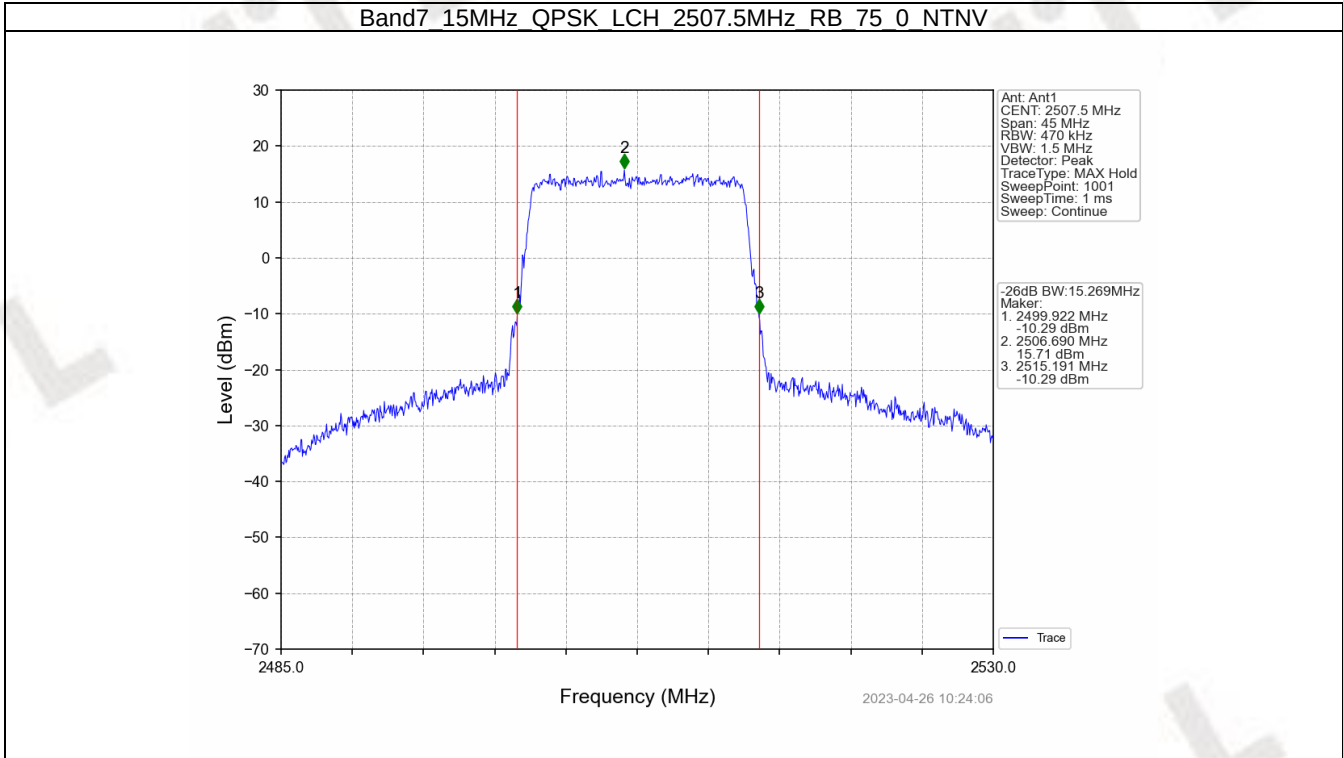


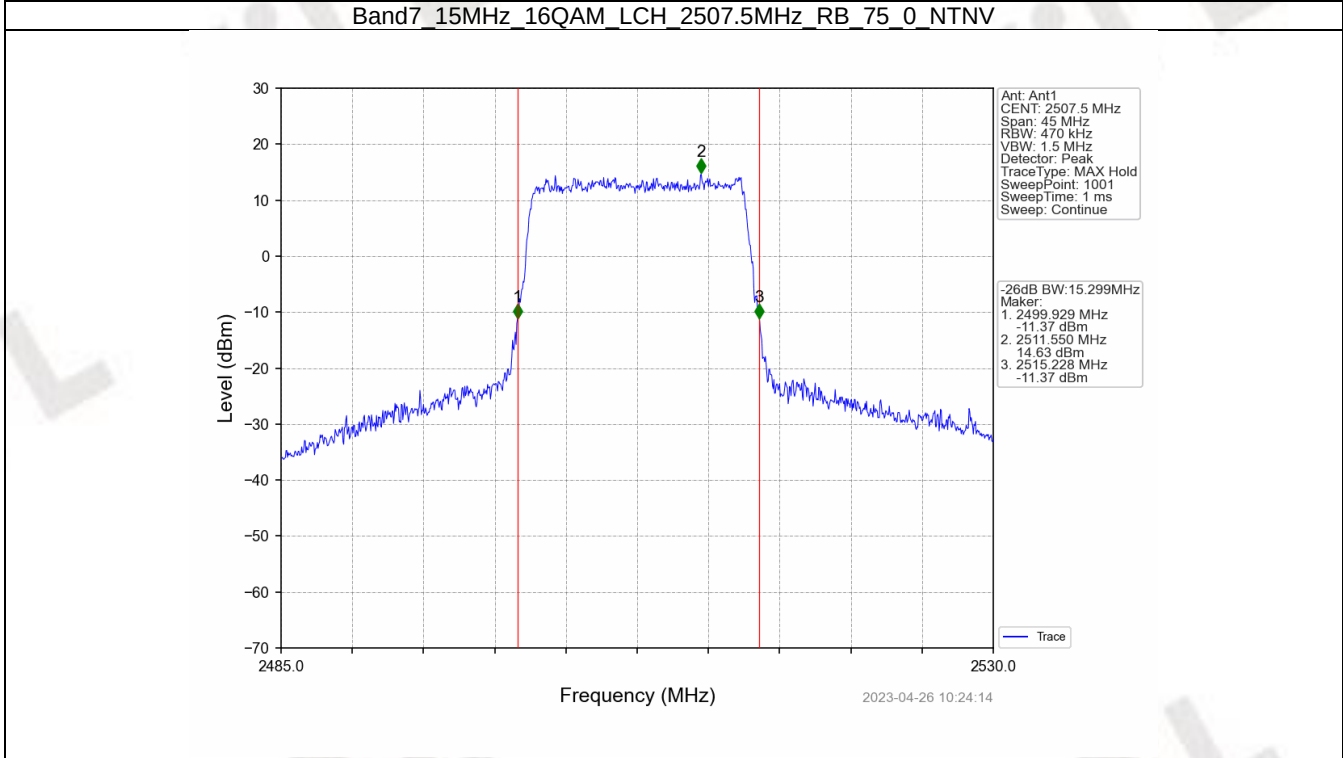
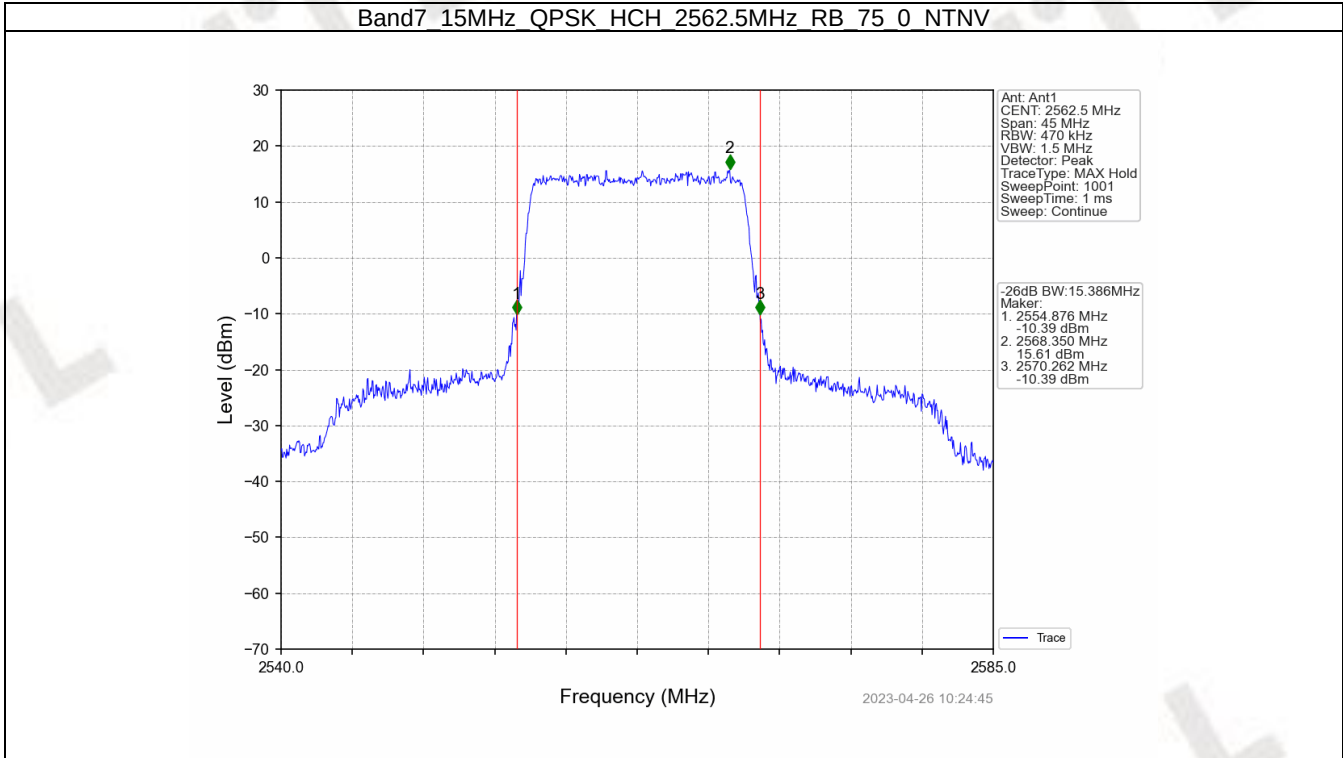


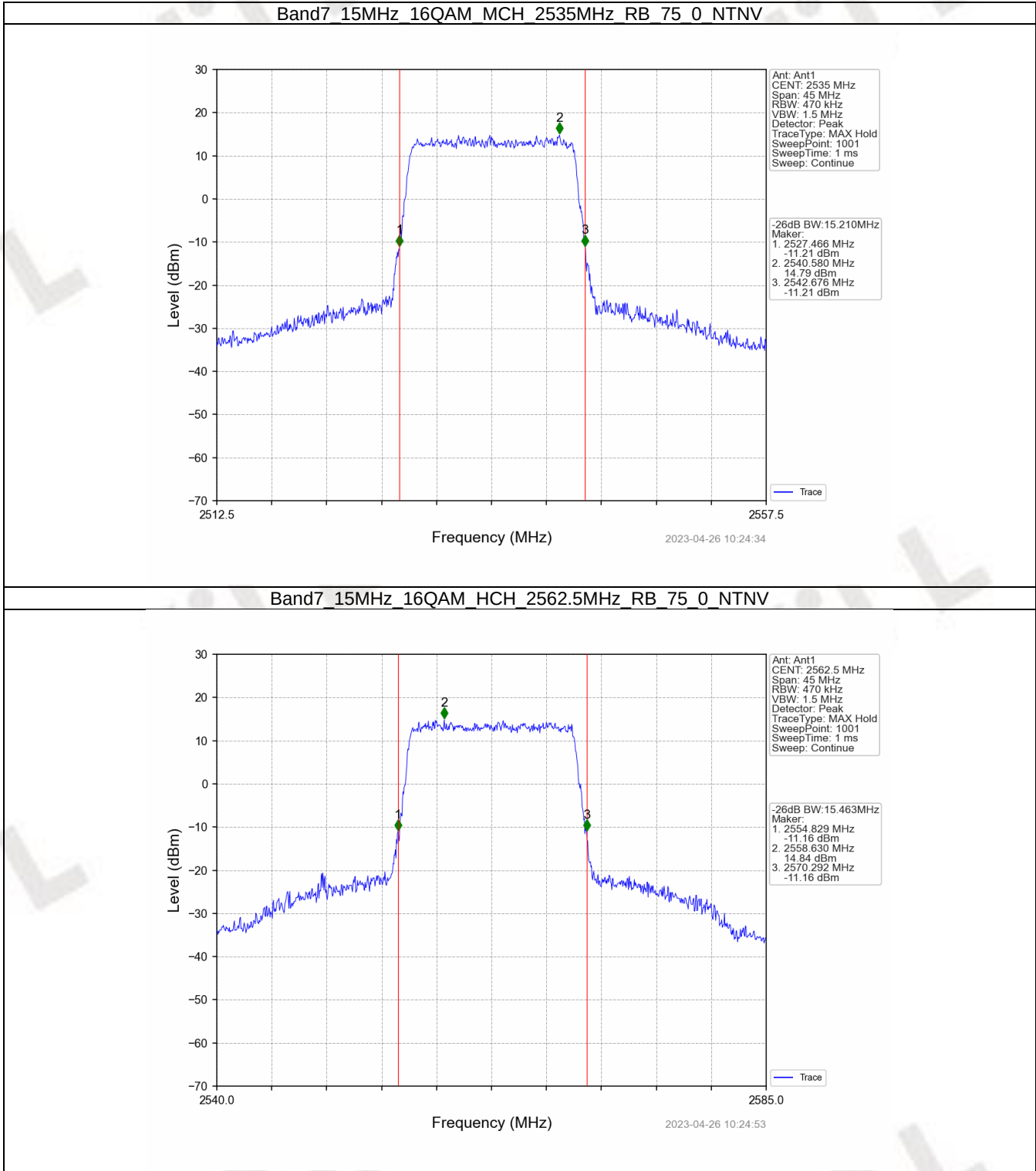


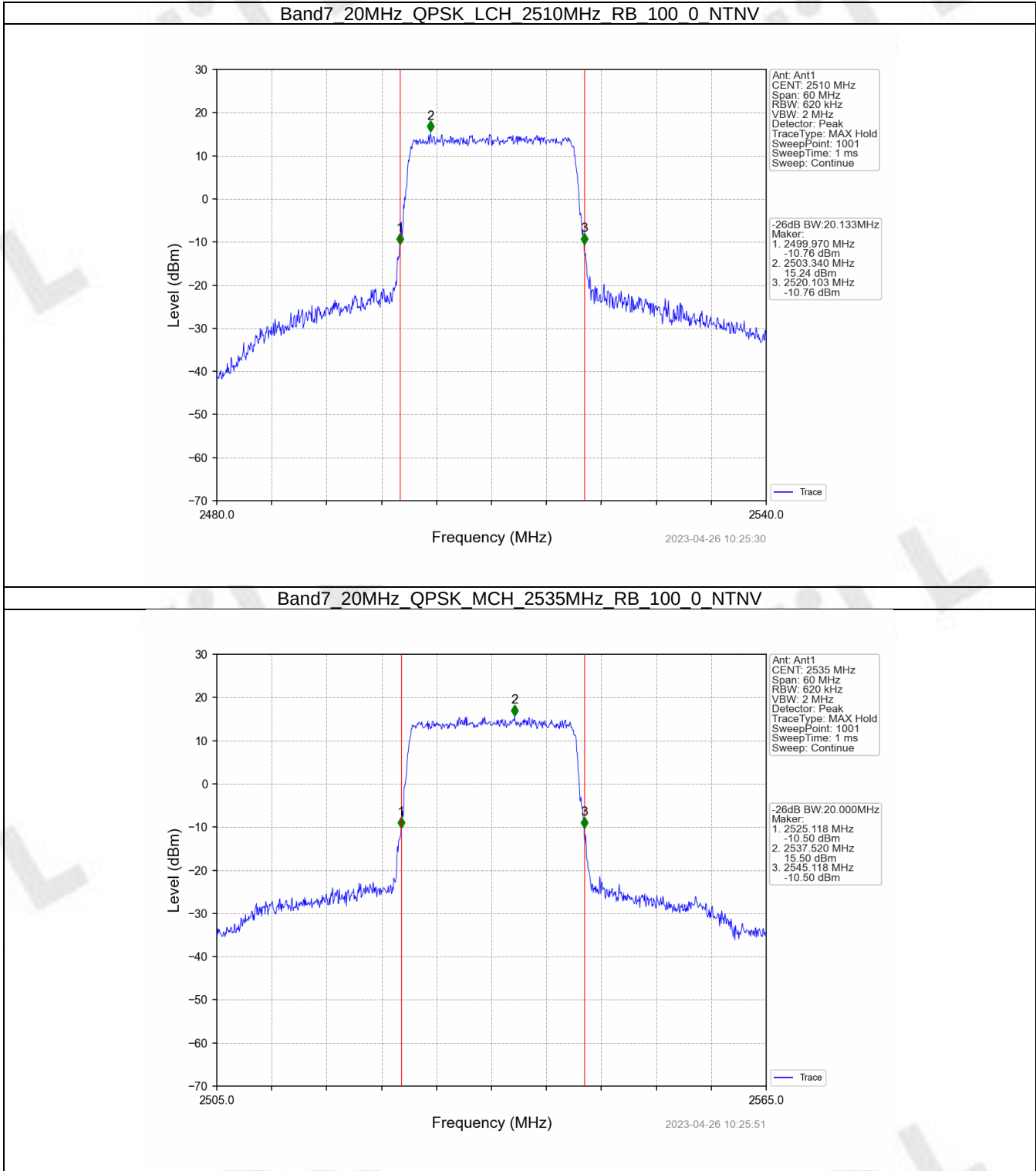


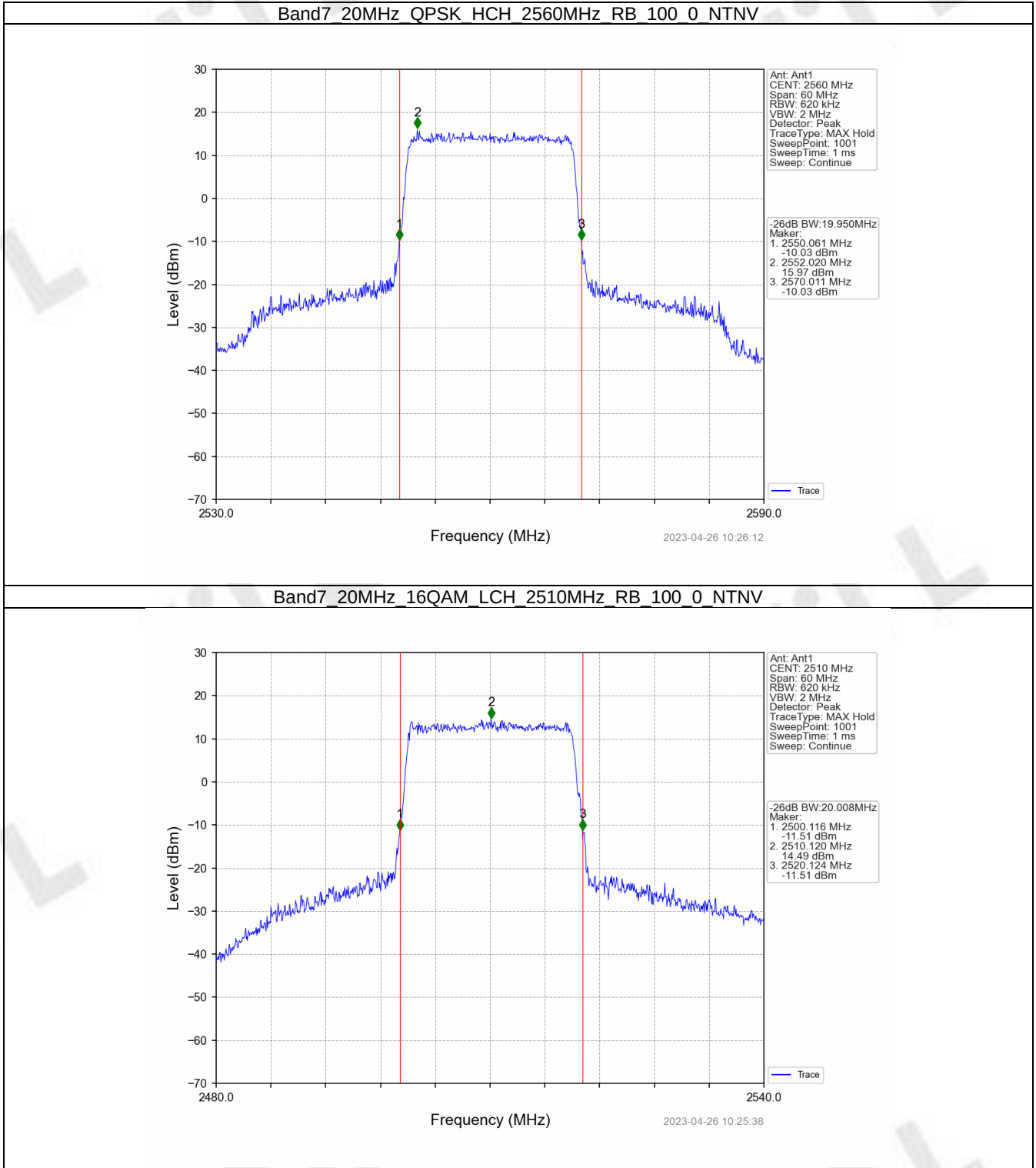


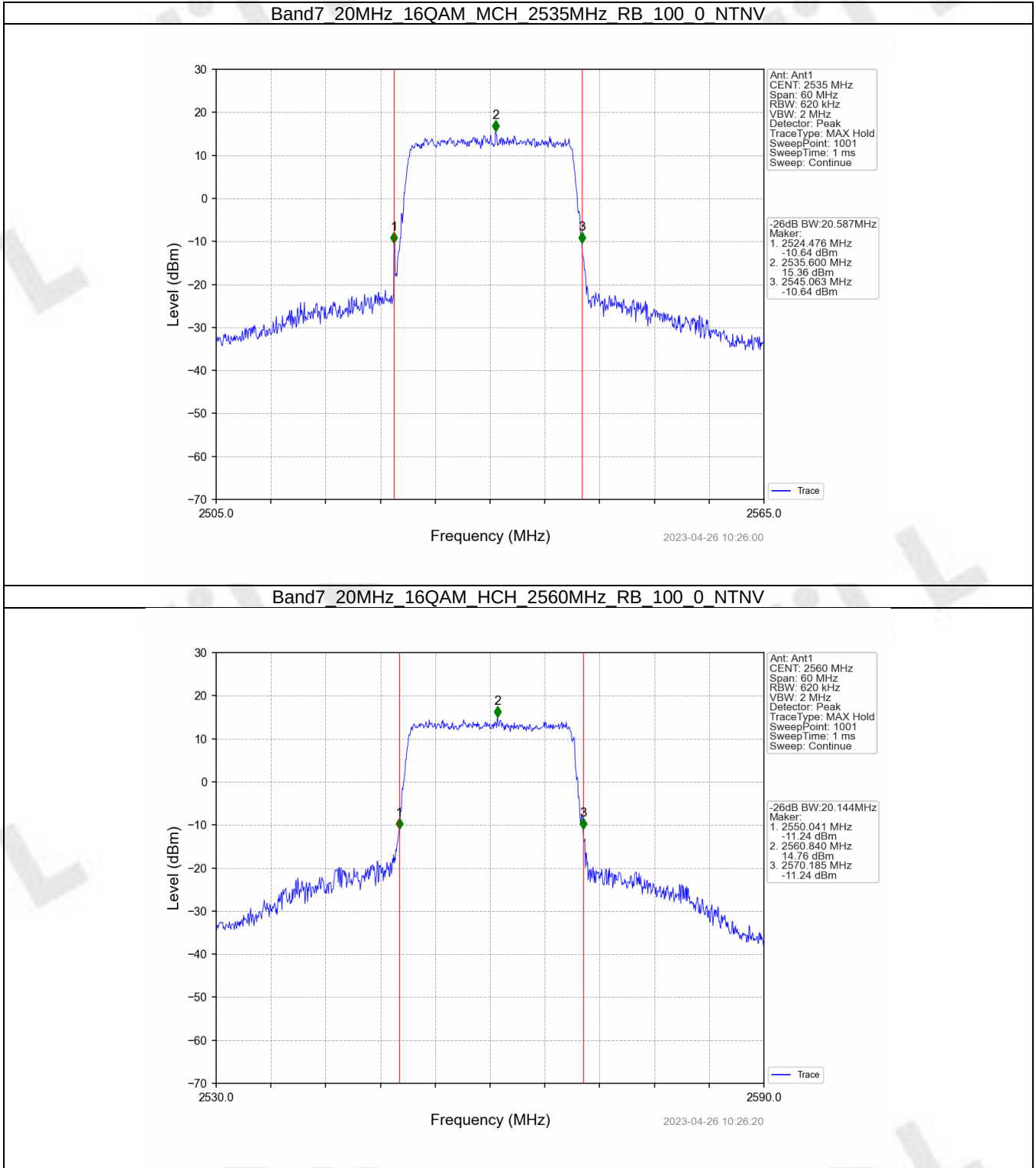












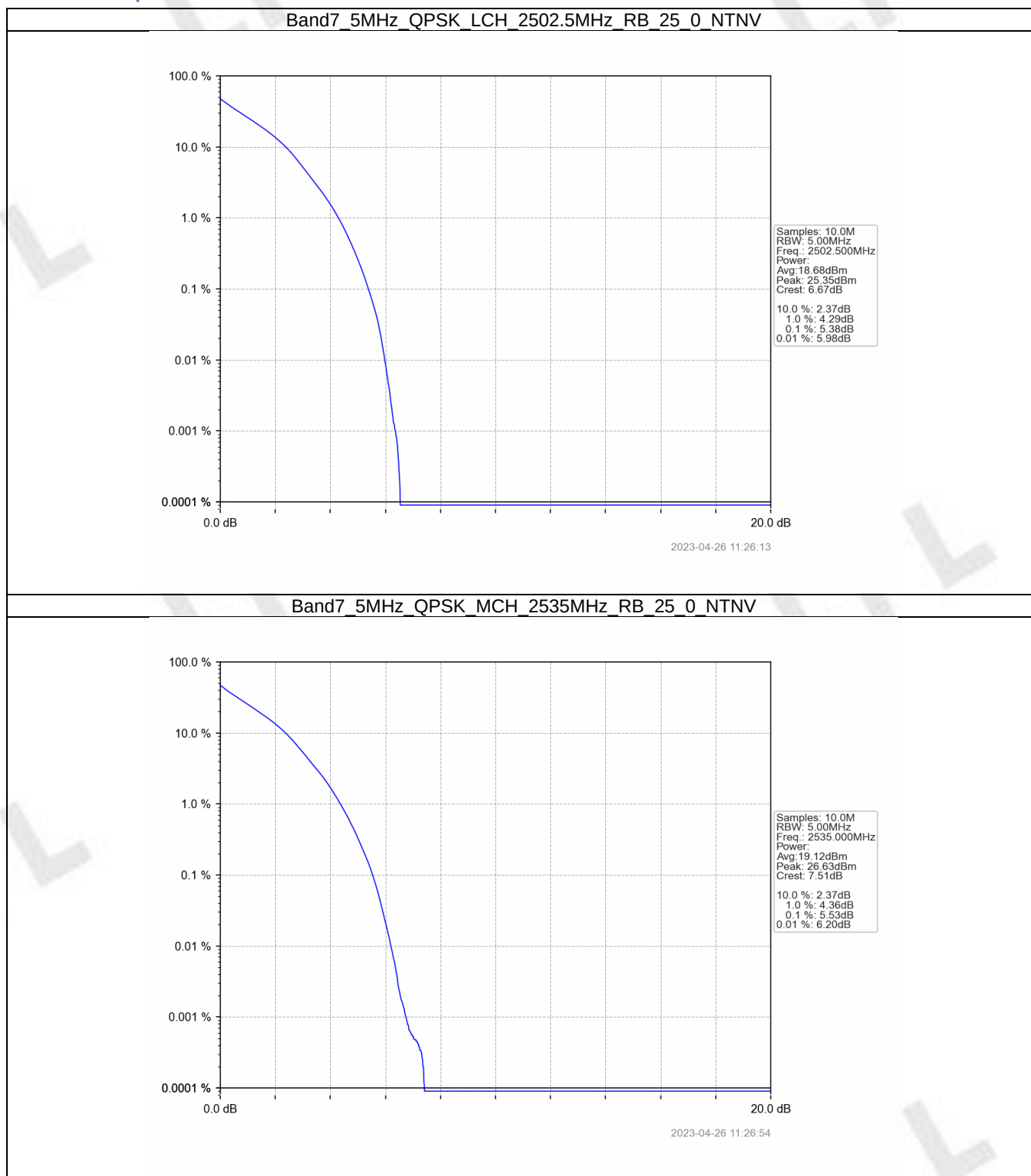
5. Peak-Average Ratio

5.1 B7_5MHz

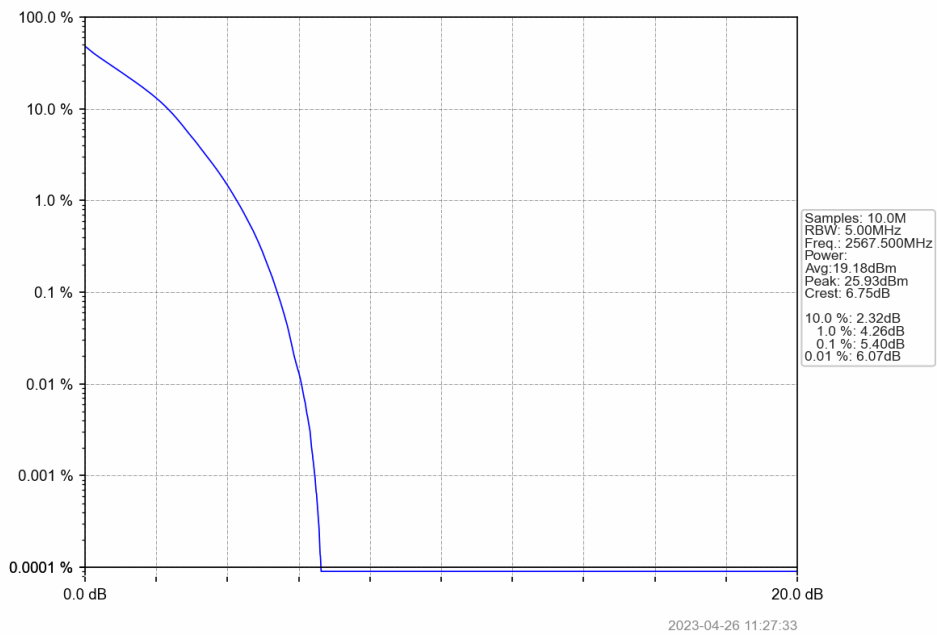
5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.38	<=13	Pass
	2535	25	0	5.53	<=13	Pass
	2567.5	25	0	5.40	<=13	Pass
16QAM	2502.5	25	0	6.10	<=13	Pass
	2535	25	0	6.20	<=13	Pass
	2567.5	25	0	6.05	<=13	Pass

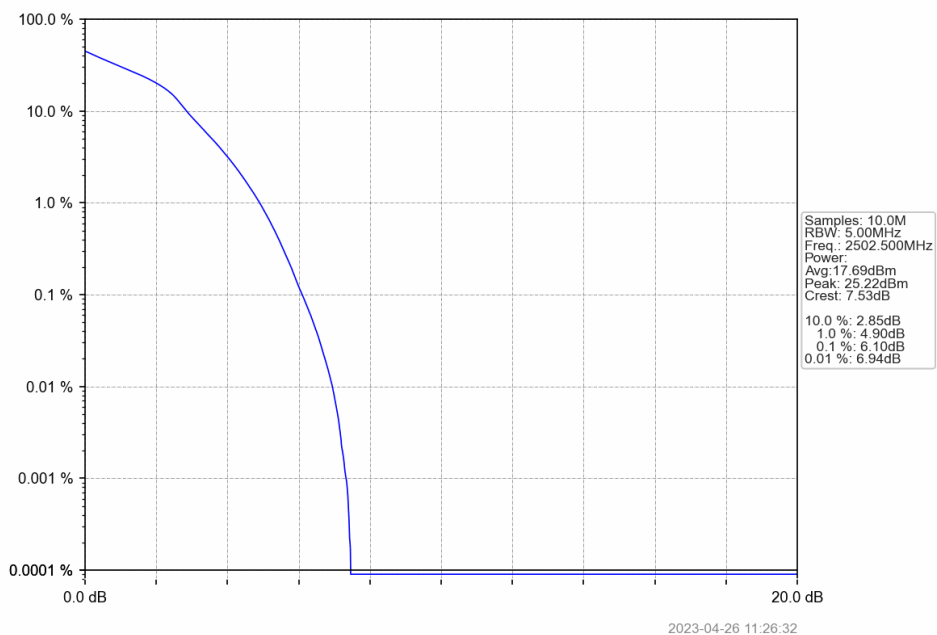
5.1.2 Test Graph



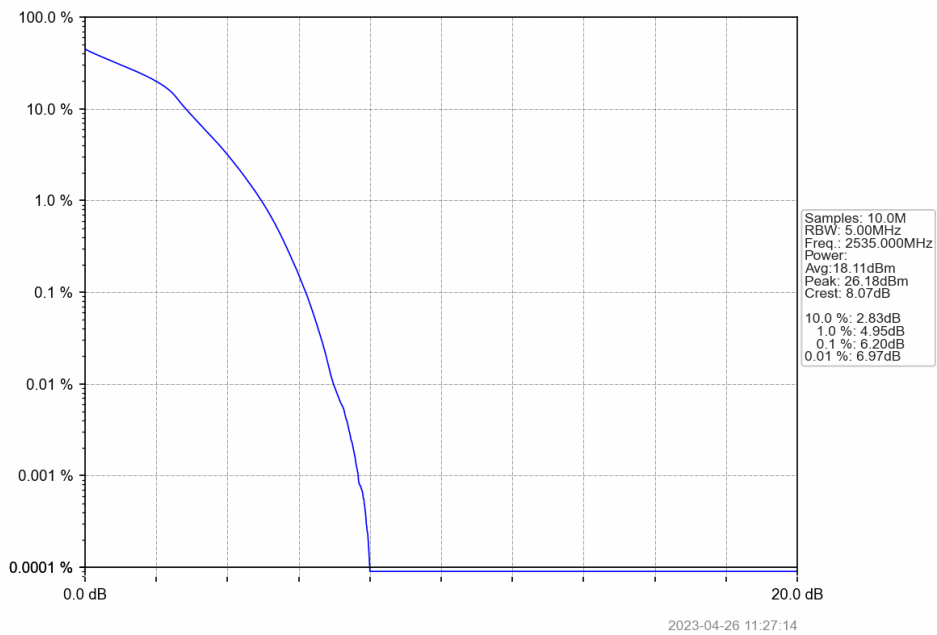
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN



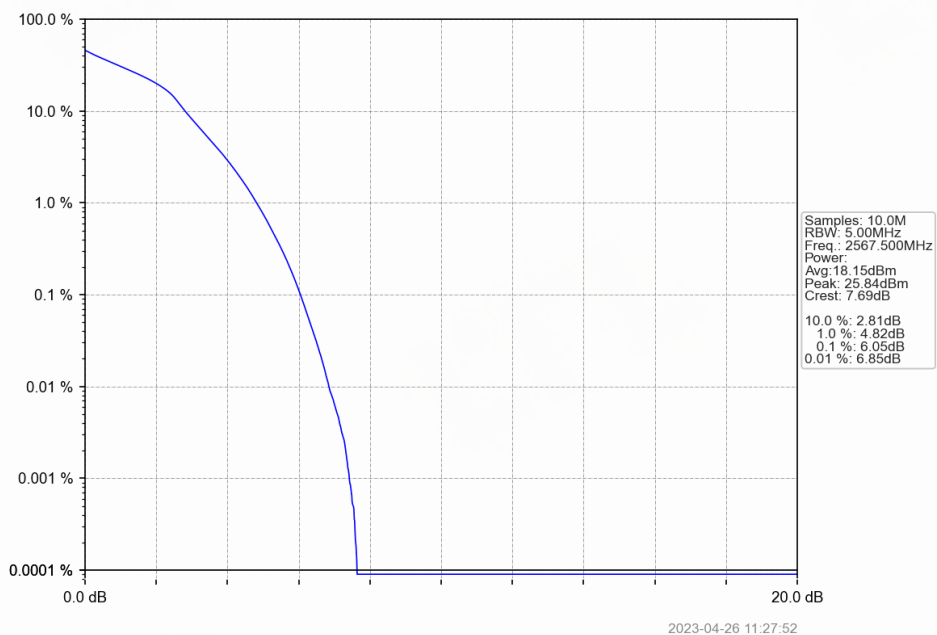
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTN



Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTN



Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTN

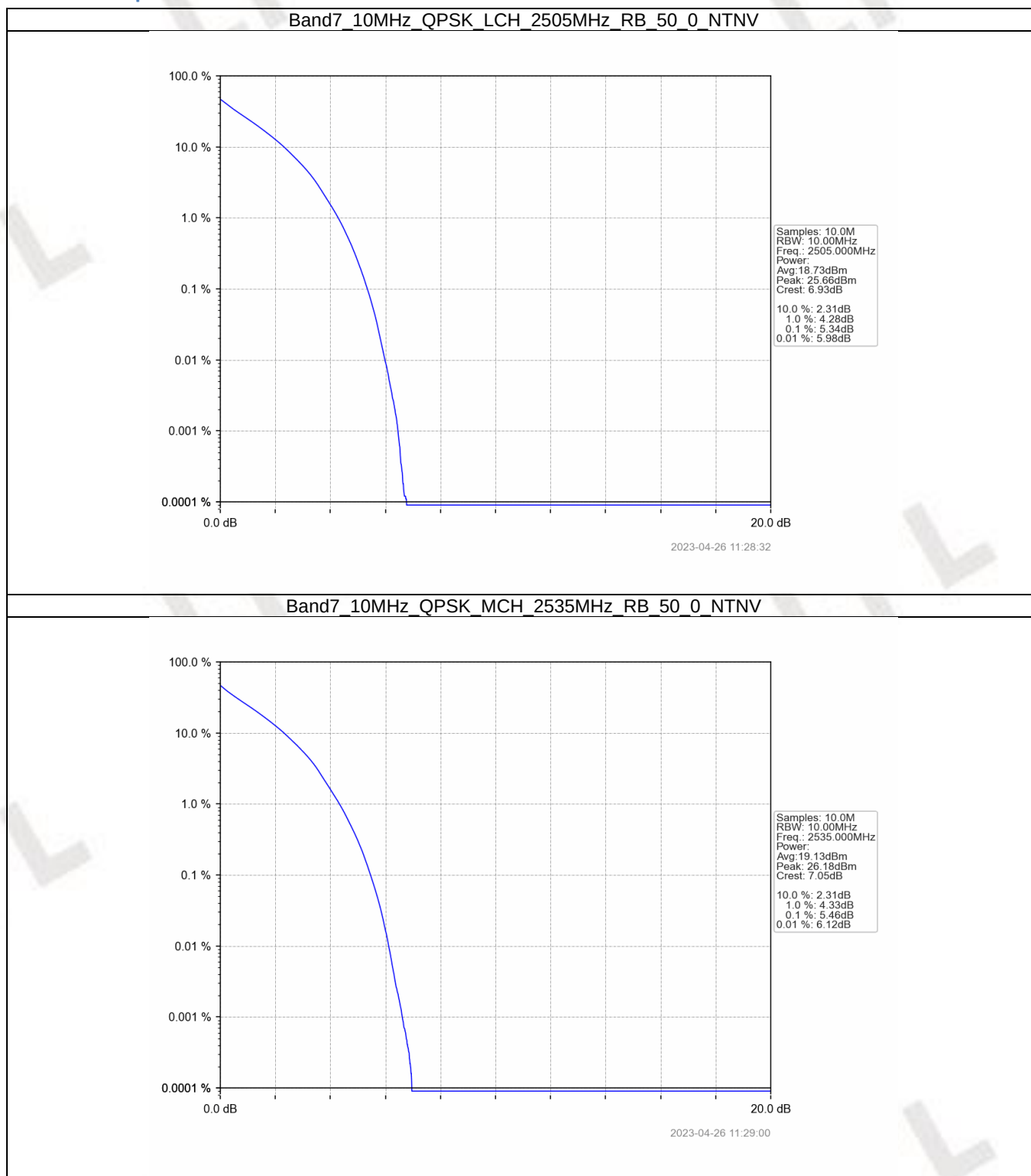


5.2 B7_10MHz

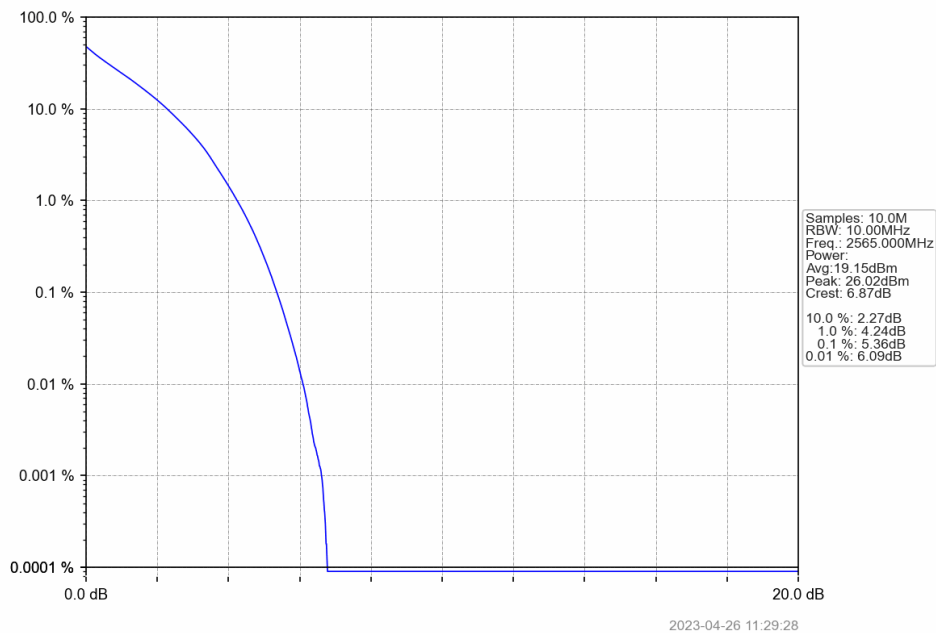
5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	5.34	<=13	Pass
	2535	50	0	5.46	<=13	Pass
	2565	50	0	5.36	<=13	Pass
16QAM	2505	50	0	6.10	<=13	Pass
	2535	50	0	6.23	<=13	Pass
	2565	50	0	6.05	<=13	Pass

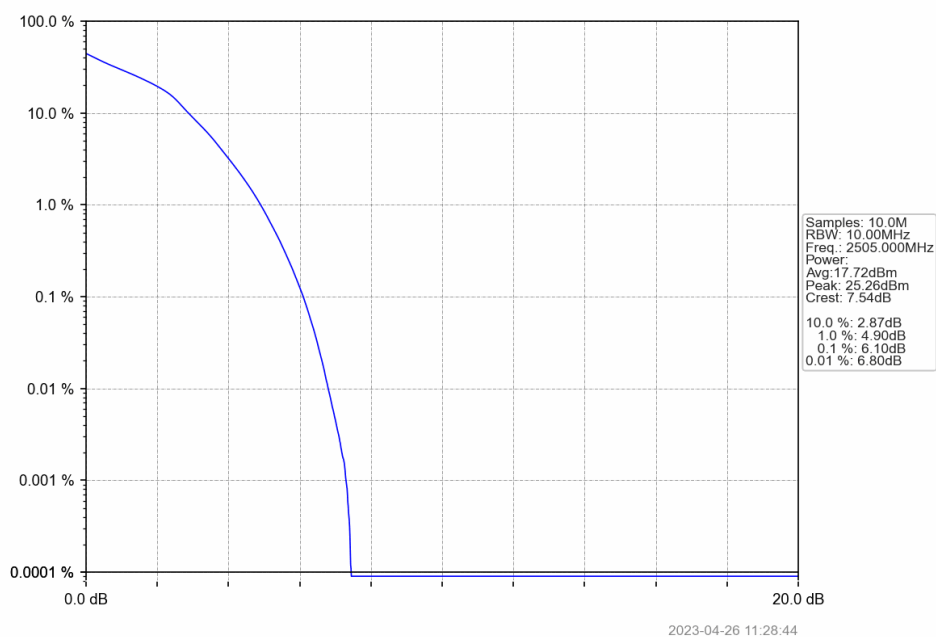
5.2.2 Test Graph



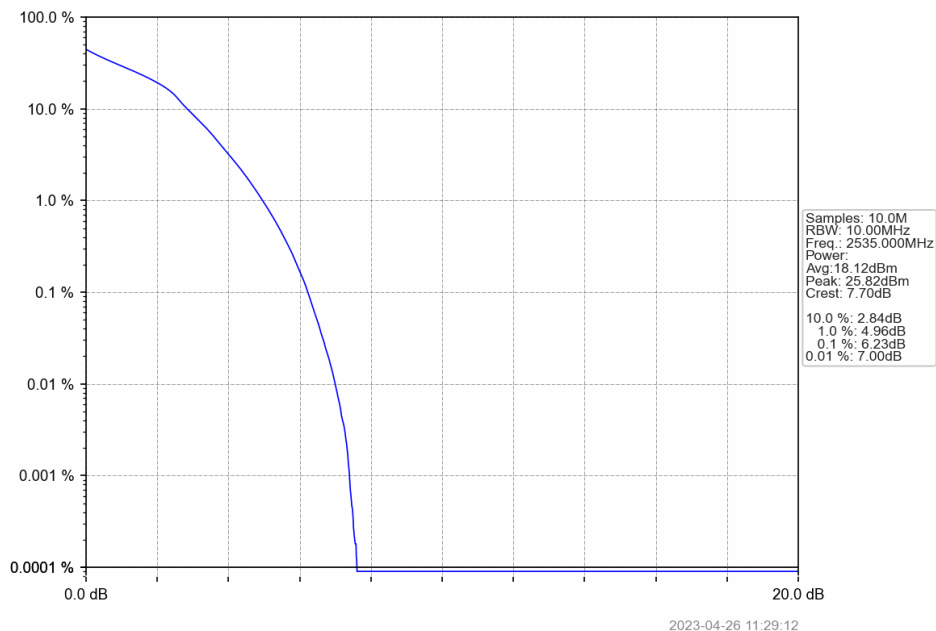
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



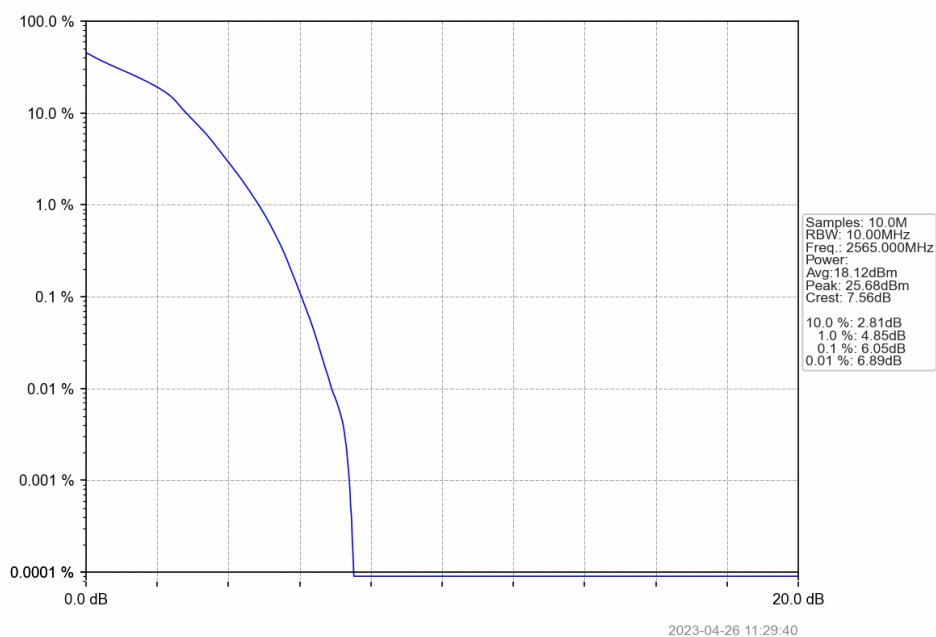
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV

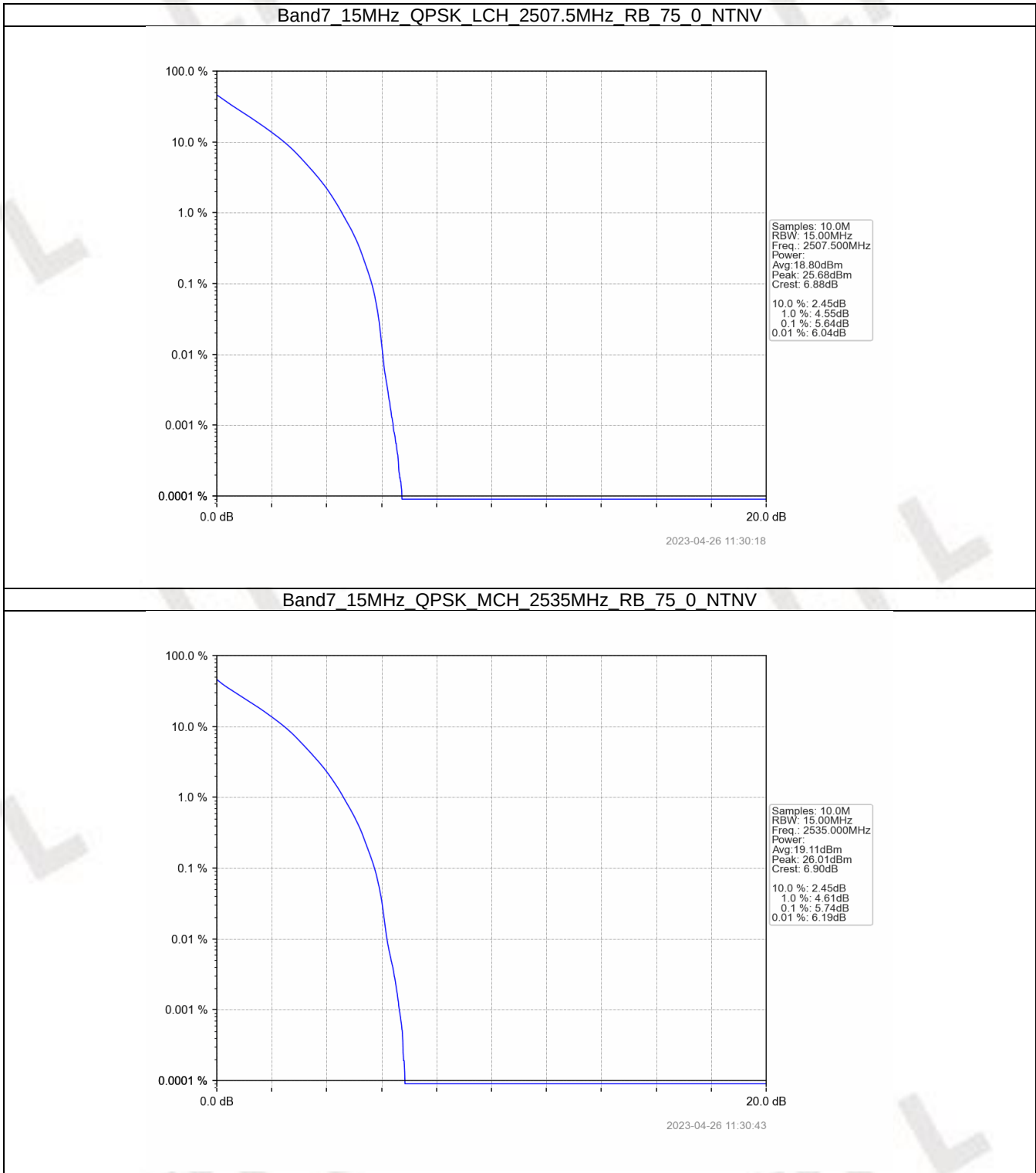


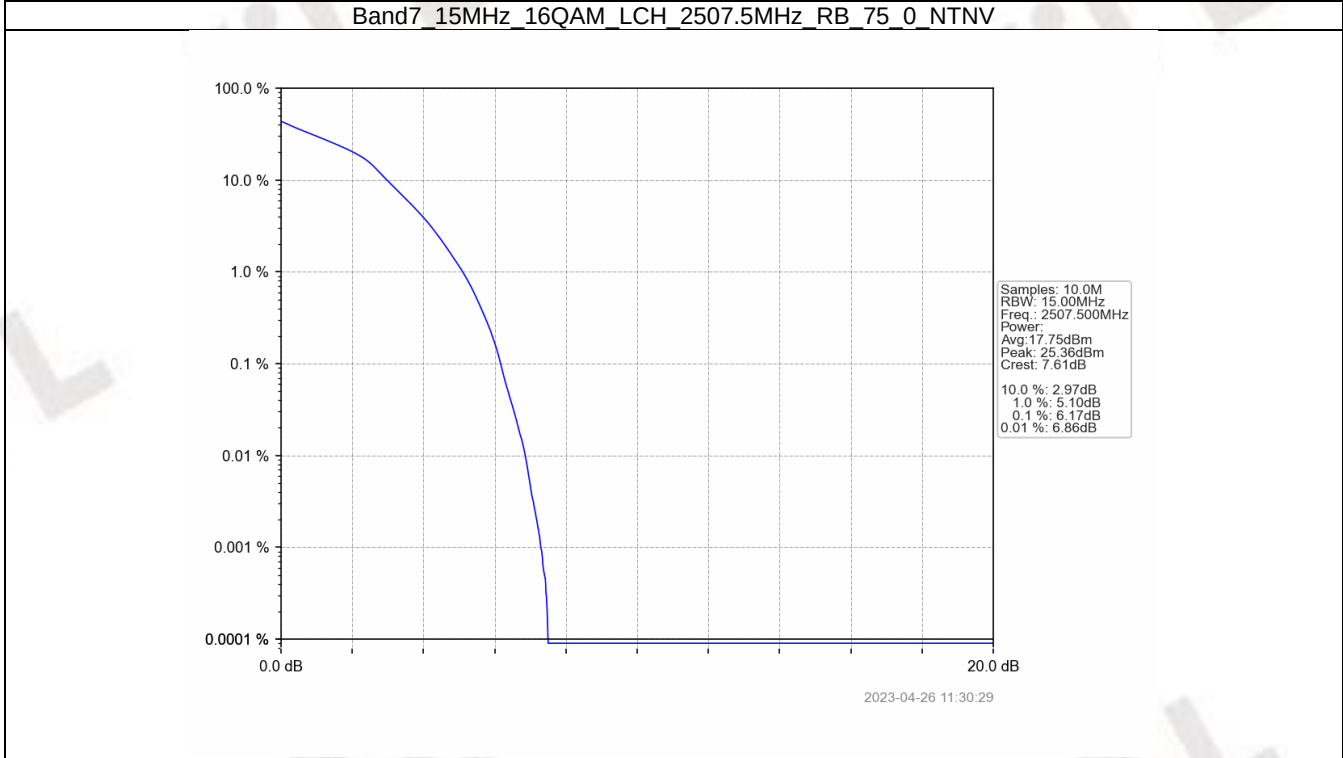
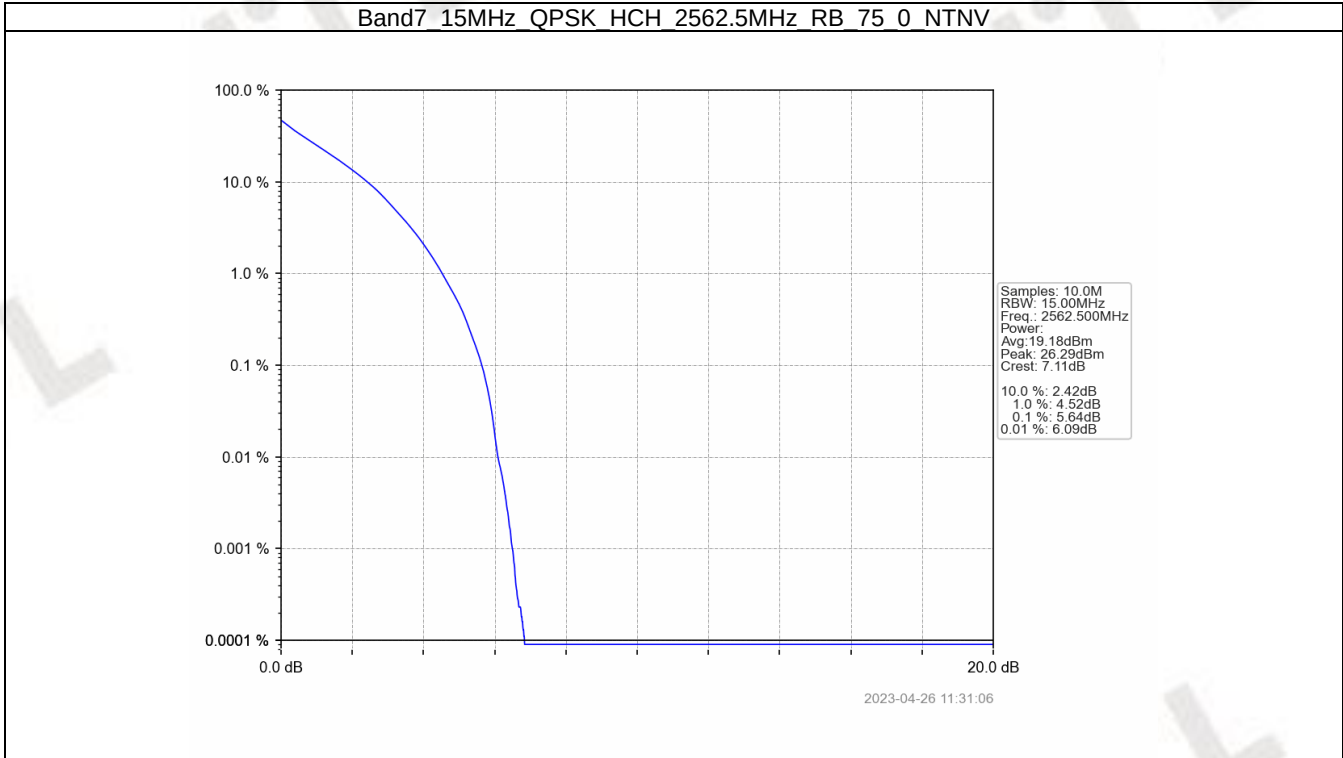
5.3 B7_15MHz

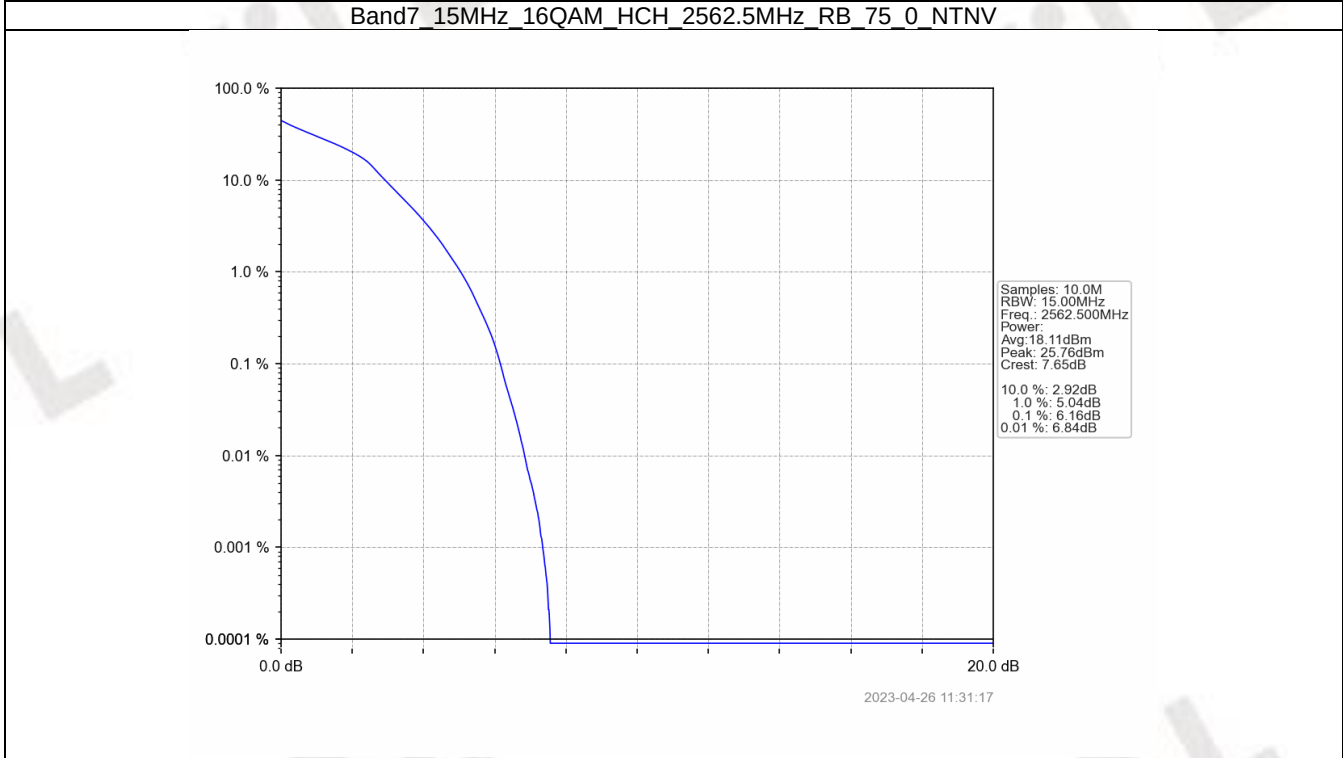
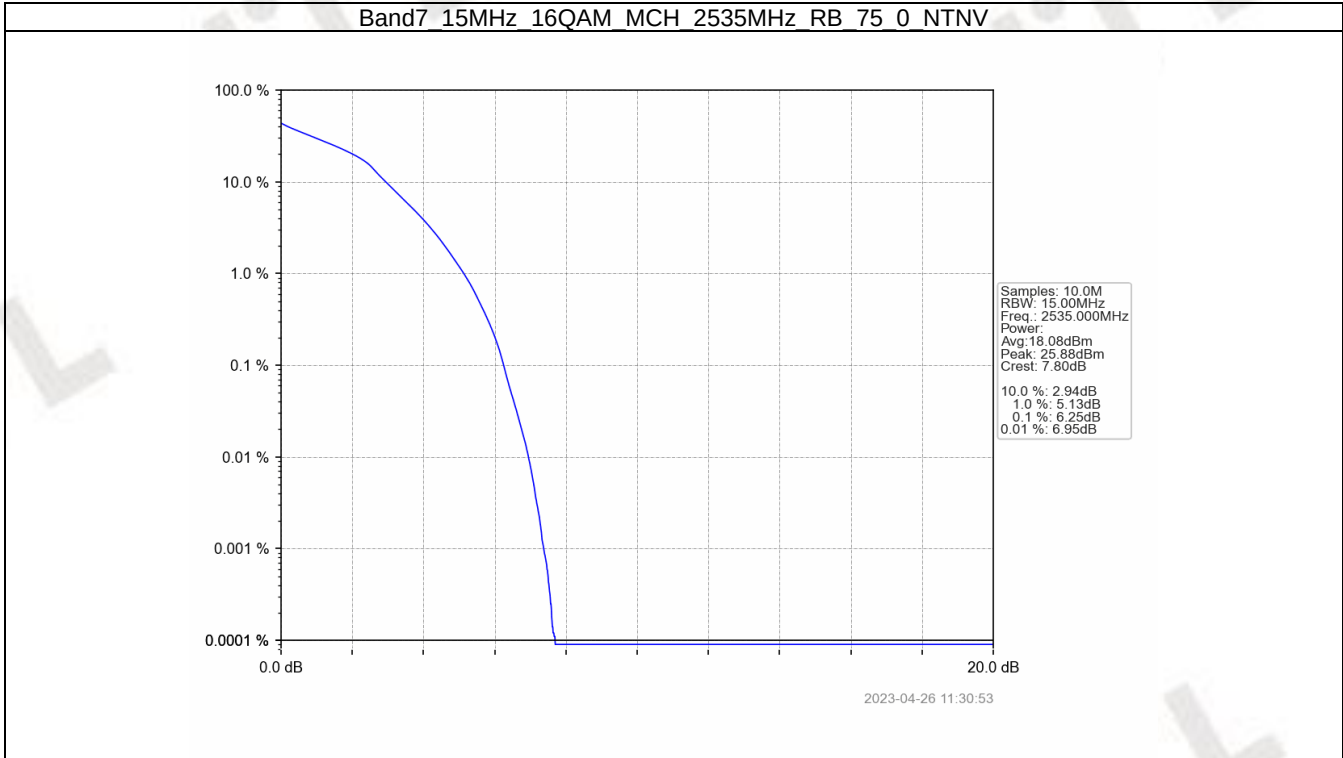
5.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.64	<=13	Pass
	2535	75	0	5.74	<=13	Pass
	2562.5	75	0	5.64	<=13	Pass
16QAM	2507.5	75	0	6.17	<=13	Pass
	2535	75	0	6.25	<=13	Pass
	2562.5	75	0	6.16	<=13	Pass

5.3.2 Test Graph





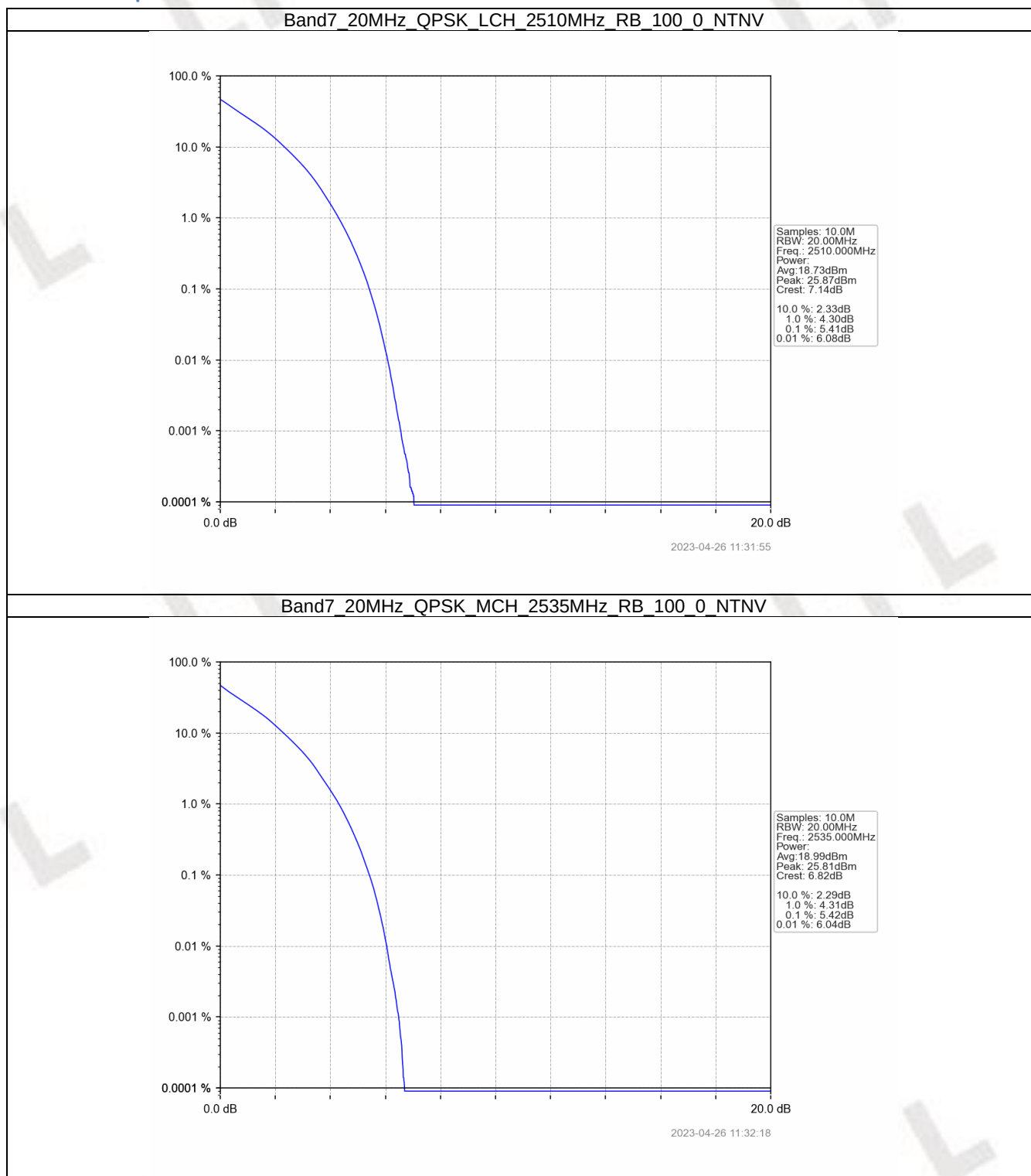


5.4 B7_20MHz

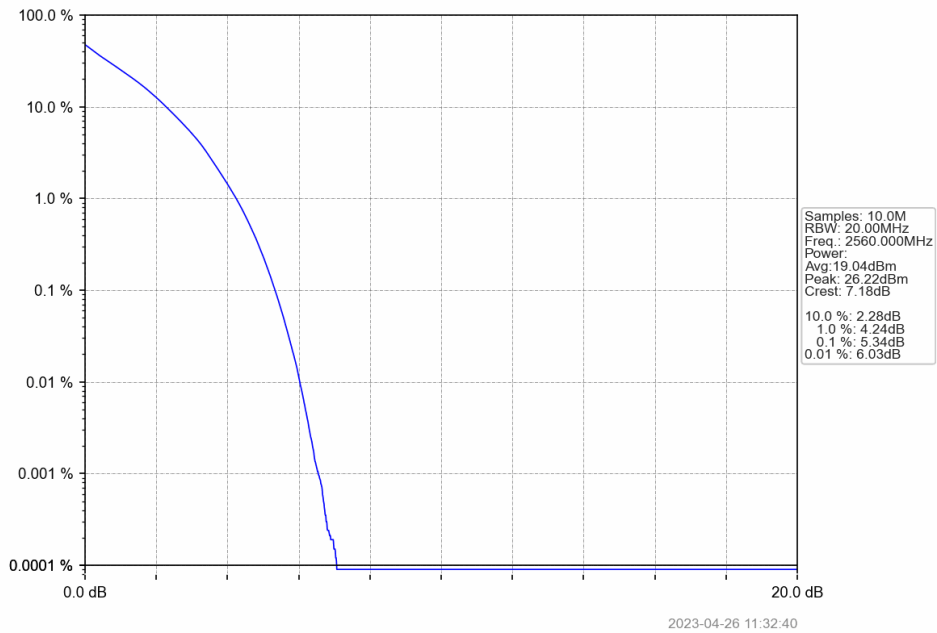
5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.41	<=13	Pass
	2535	100	0	5.42	<=13	Pass
	2560	100	0	5.34	<=13	Pass
16QAM	2510	100	0	6.12	<=13	Pass
	2535	100	0	6.18	<=13	Pass
	2560	100	0	6.08	<=13	Pass

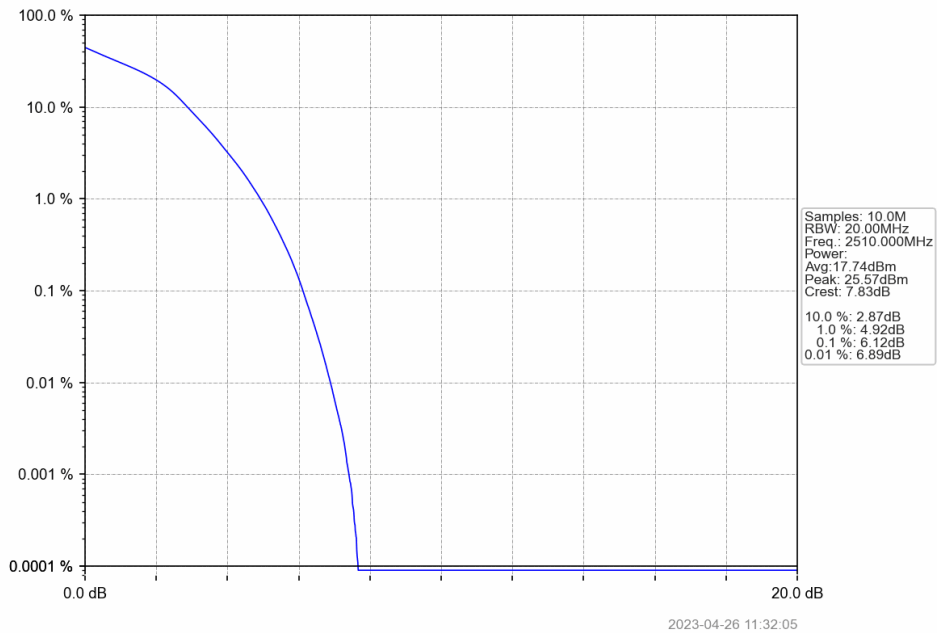
5.4.2 Test Graph



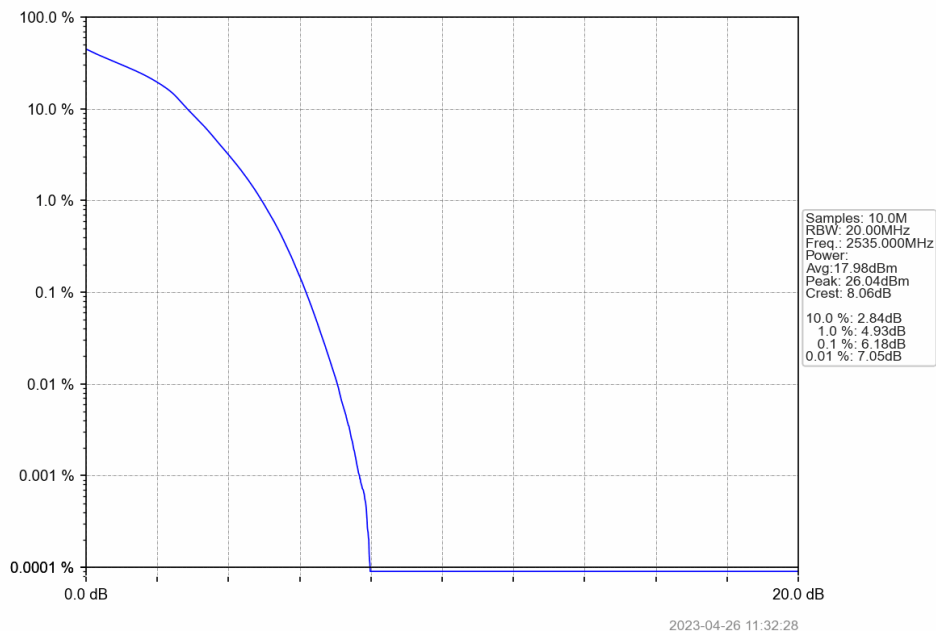
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



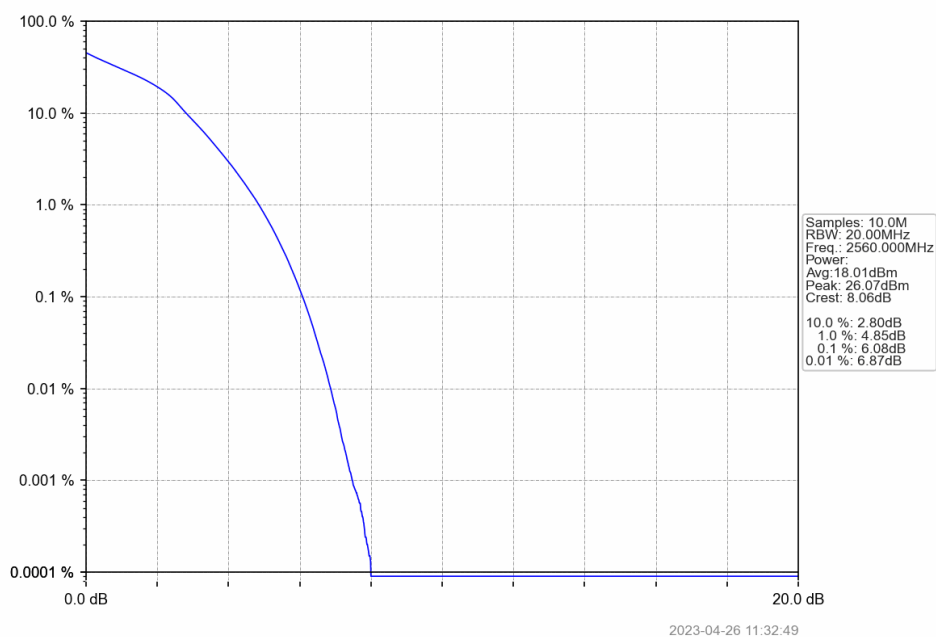
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTN



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTN



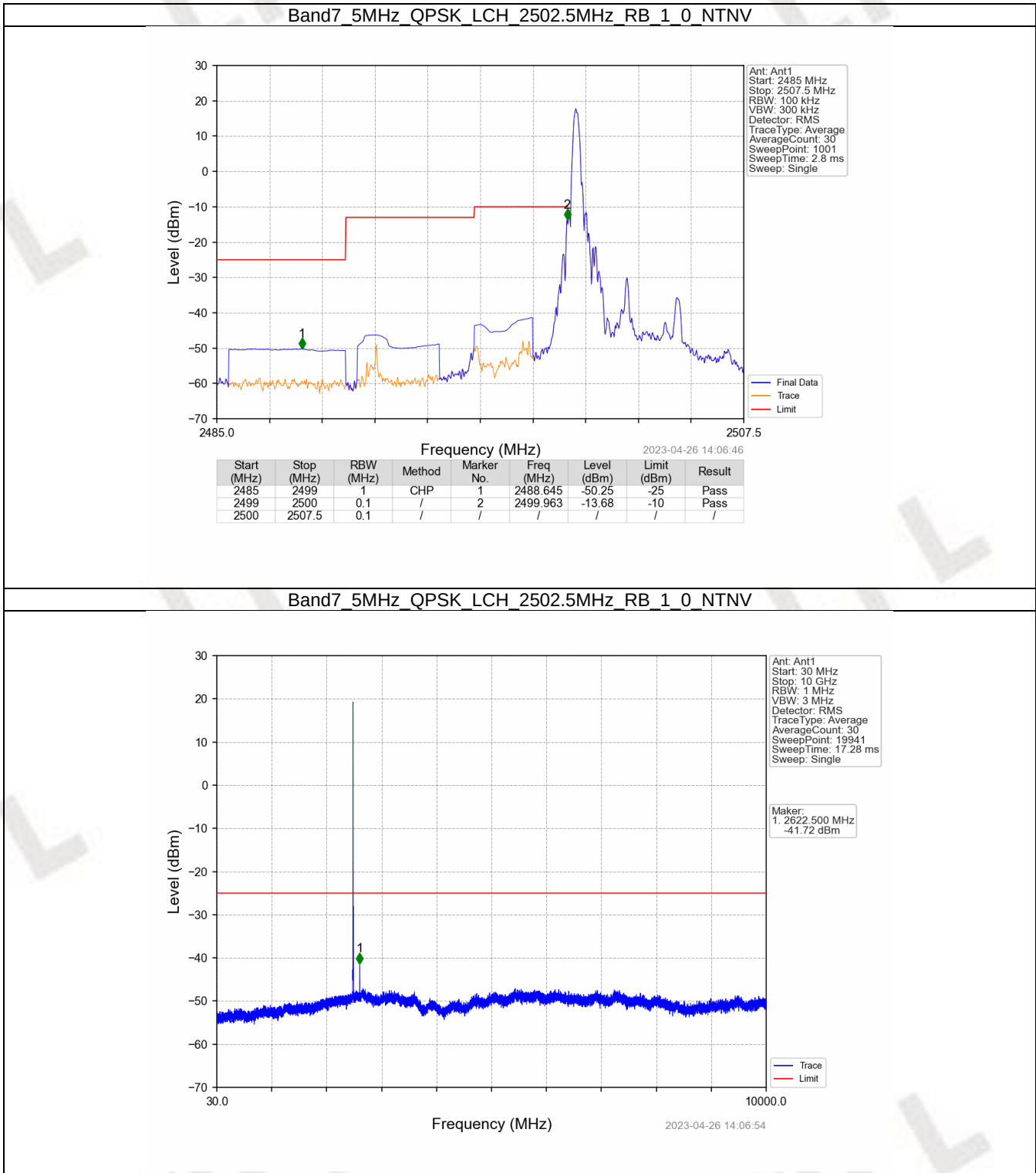
6. Spurious Emission

6.1 B7_5MHz

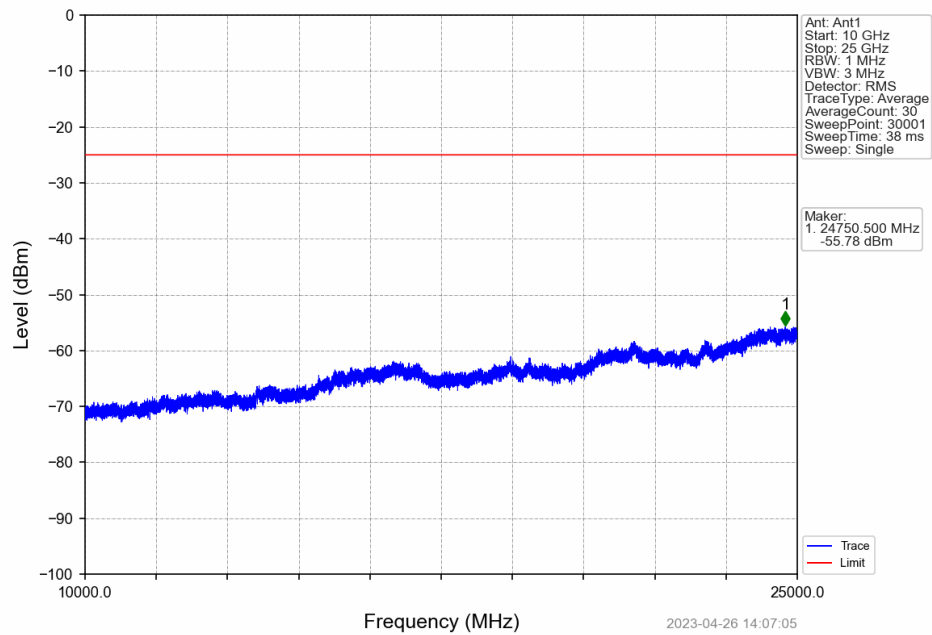
6.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2502.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
16QAM	2502.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass

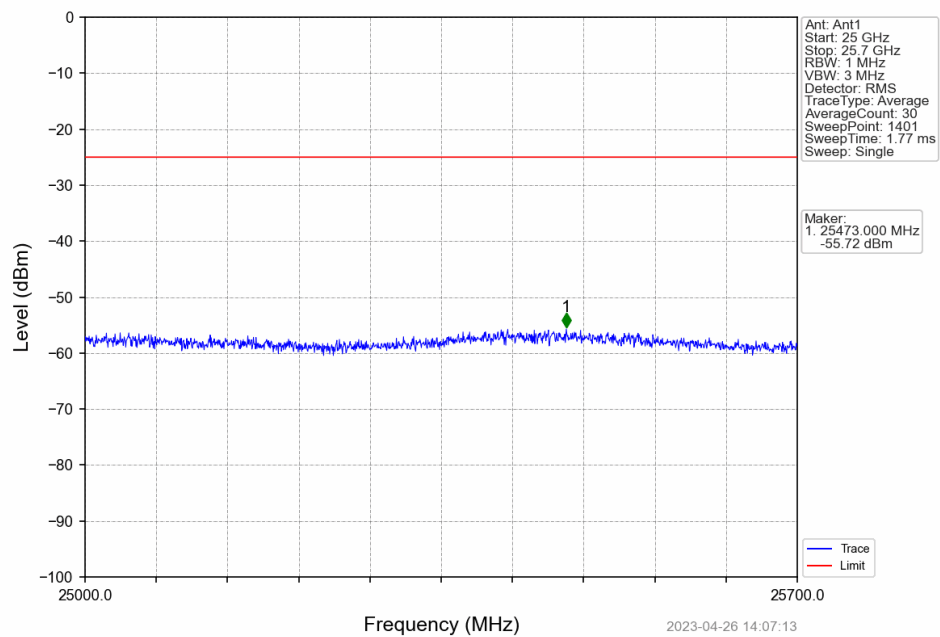
6.1.2 Test Graph



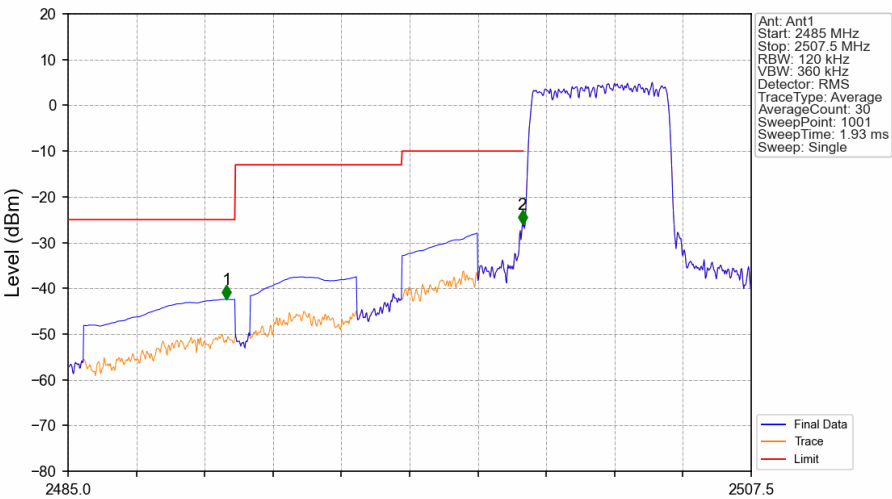
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV

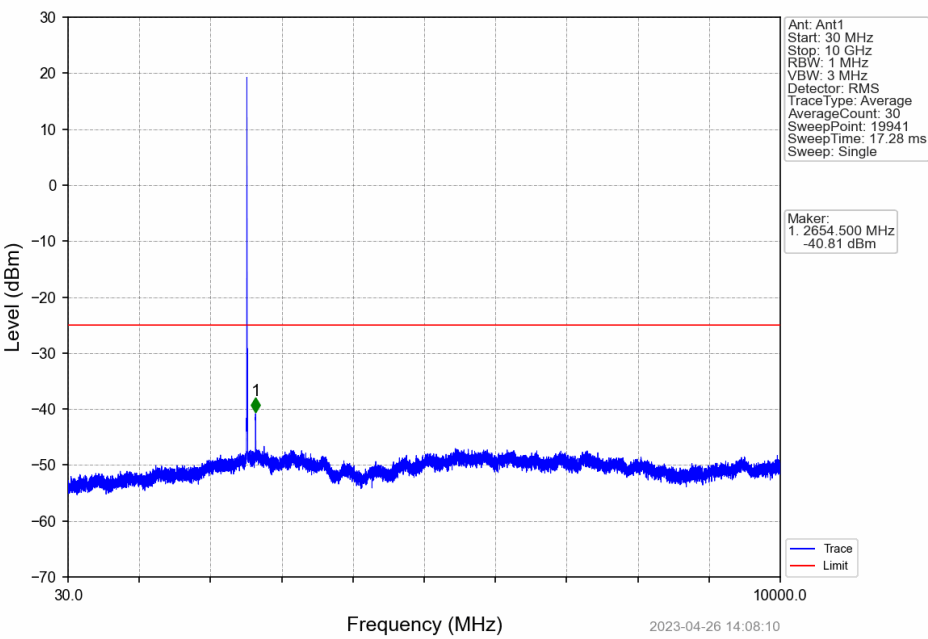


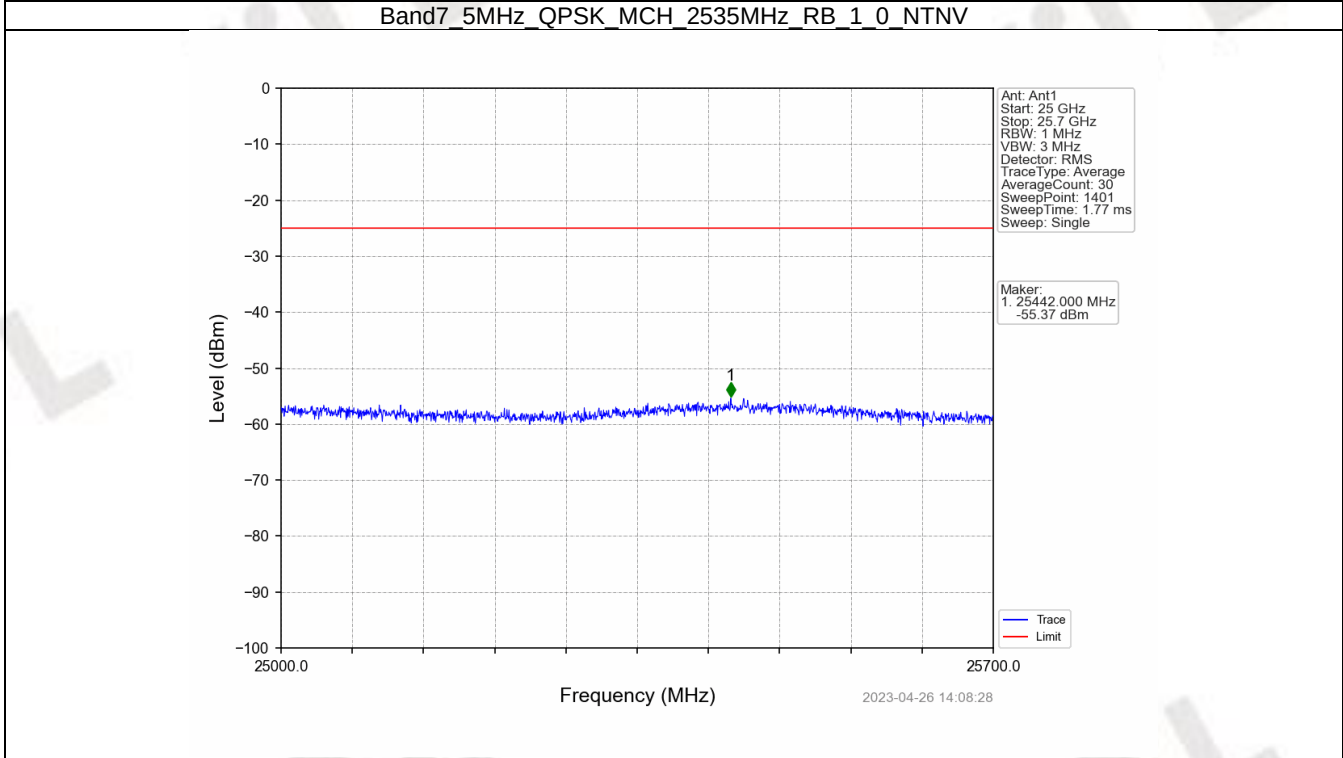
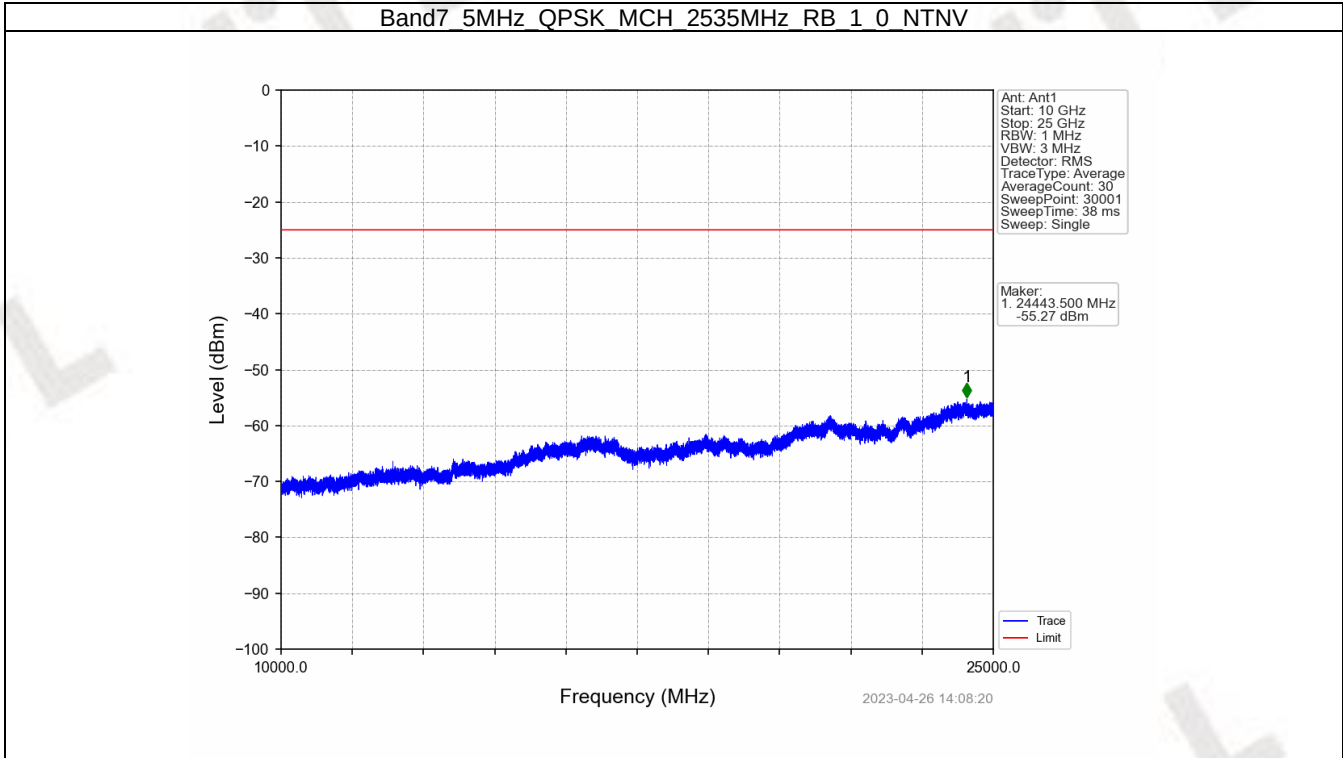
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTN



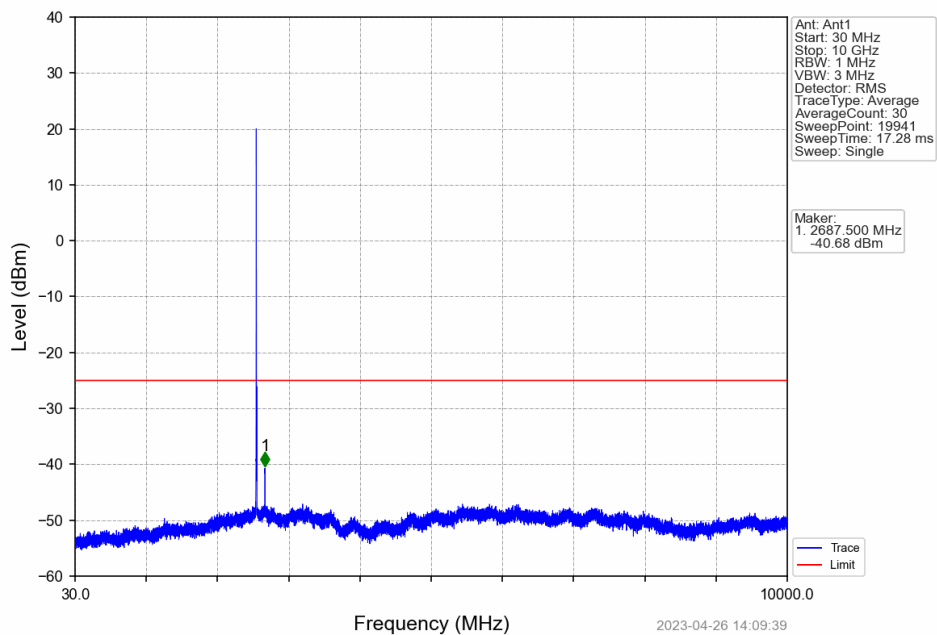
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2490.220	-42.39	-25	Pass
2499	2500	0.12	/	2	2499.963	-26.05	-10	Pass
2500	2507.5	0.12	/	/	/	/	/	/

Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN

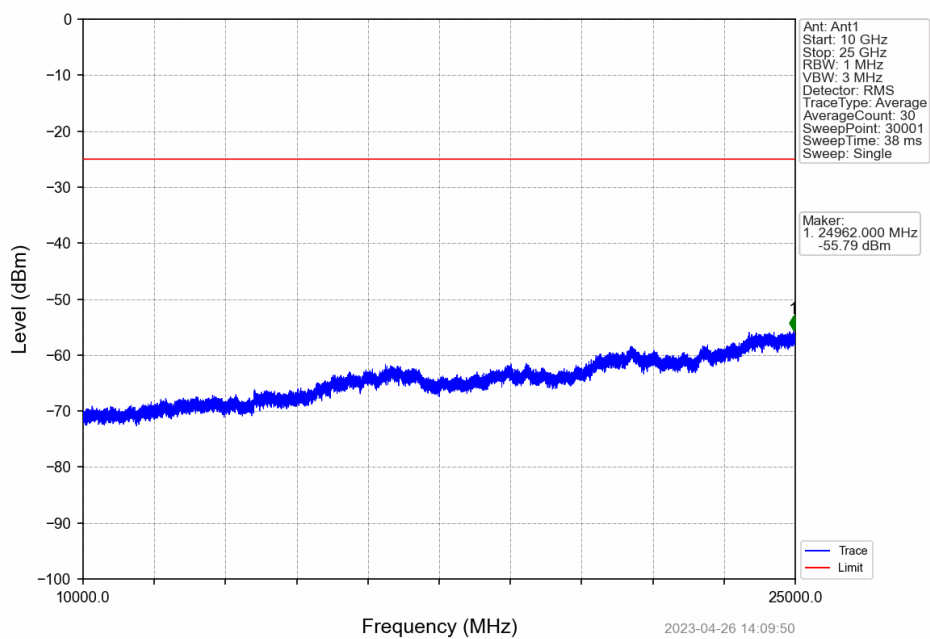


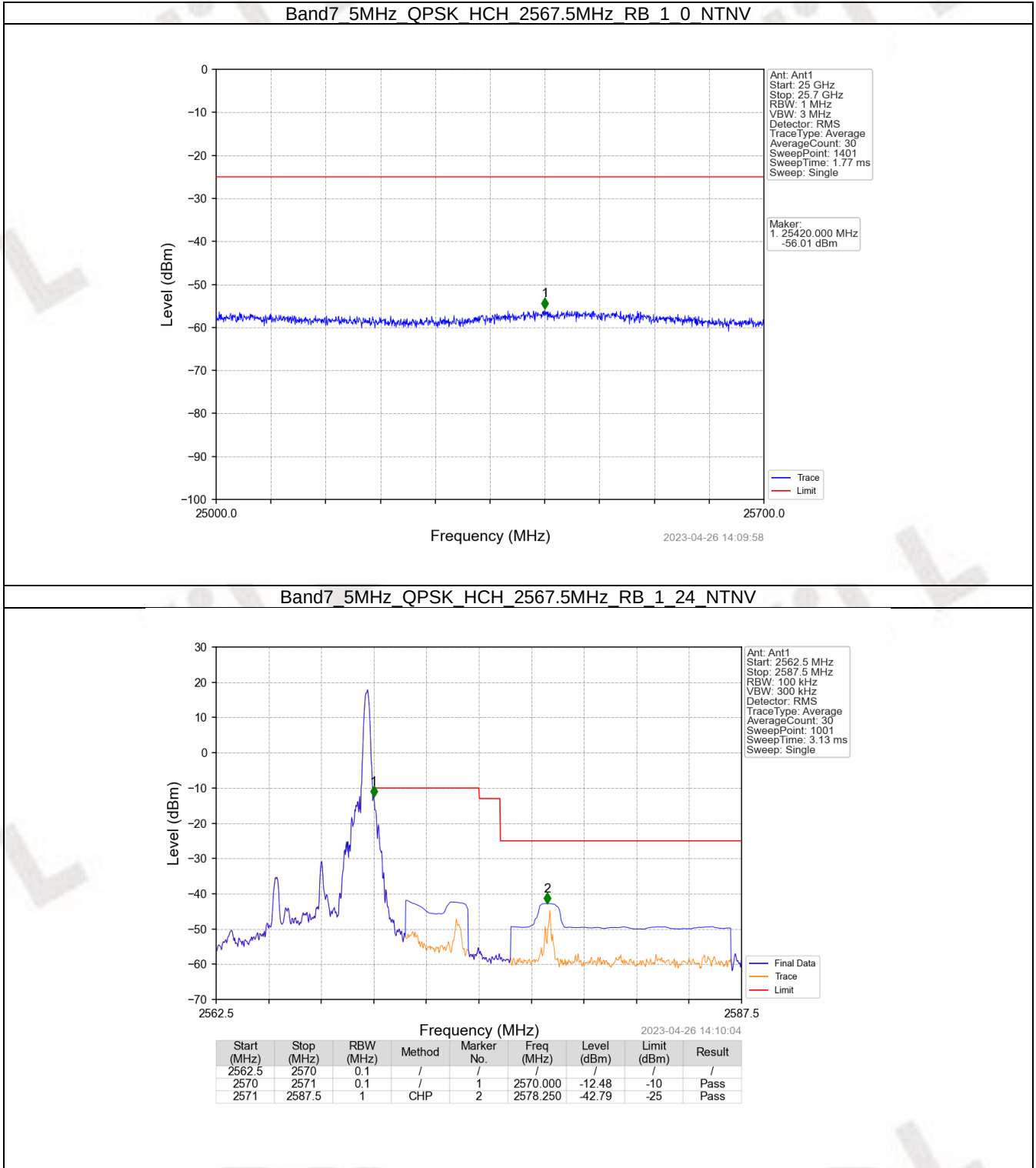


Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN

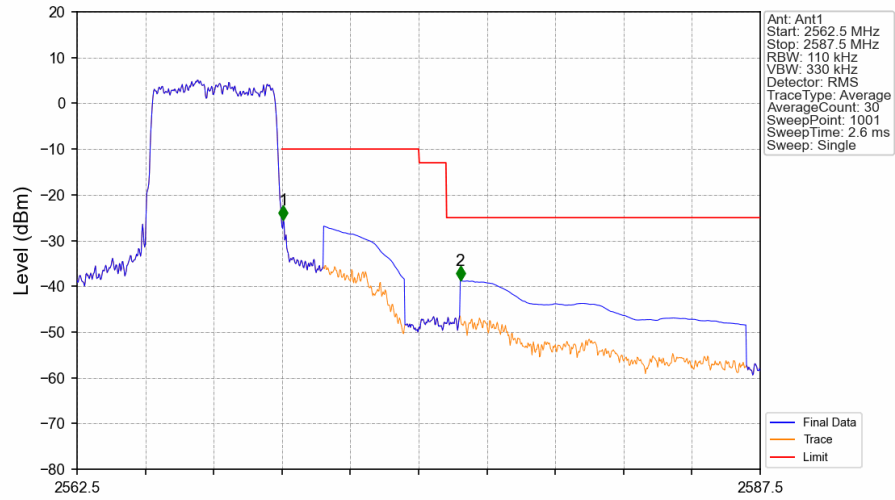


Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



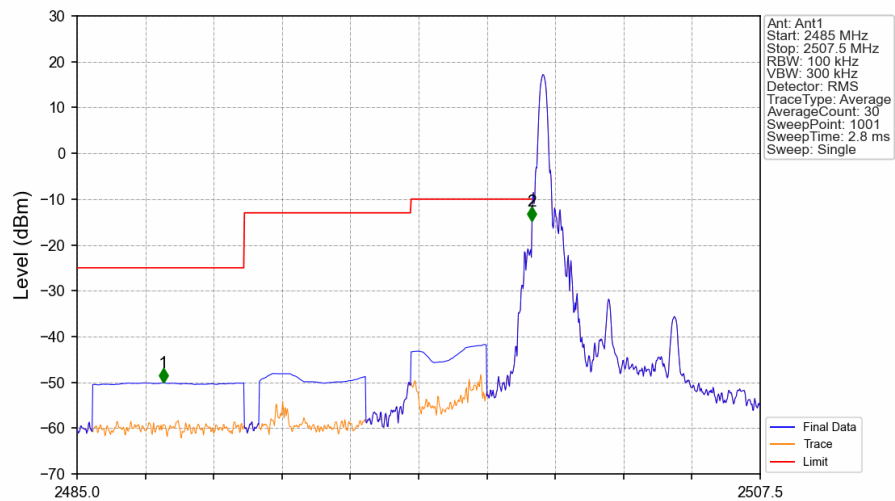


Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.050	-25.46	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-38.78	-25	Pass

Band7 5MHz 16QAM LCH 2502.5MHz RB 1 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2487.835	-50.06	-25	Pass
2499	2500	0.1	/	2	2499.985	-14.85	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

