

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7_5MHz_EIRP

Band: 7 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2502.5	1	0	22.51	1.21	23.72	<=33.01	Pass
			13	22.70	1.21	23.91	<=33.01	Pass
			24	22.63	1.21	23.84	<=33.01	Pass
		12	0	21.65	1.21	22.86	<=33.01	Pass
			6	21.68	1.21	22.89	<=33.01	Pass
			13	21.63	1.21	22.84	<=33.01	Pass
		25	0	21.65	1.21	22.86	<=33.01	Pass
	2535	1	0	22.92	1.21	24.13	<=33.01	Pass
			13	23.08	1.21	24.29	<=33.01	Pass
			24	23.00	1.21	24.21	<=33.01	Pass
		12	0	21.98	1.21	23.19	<=33.01	Pass
			6	22.05	1.21	23.26	<=33.01	Pass
			13	21.99	1.21	23.20	<=33.01	Pass
		25	0	21.98	1.21	23.19	<=33.01	Pass
	2567.5	1	0	23.24	1.21	24.45	<=33.01	Pass
			13	23.39	1.21	24.60	<=33.01	Pass
			24	23.29	1.21	24.50	<=33.01	Pass
		12	0	22.24	1.21	23.45	<=33.01	Pass
			6	22.28	1.21	23.49	<=33.01	Pass
			13	22.20	1.21	23.41	<=33.01	Pass
		25	0	22.19	1.21	23.40	<=33.01	Pass
16QAM	2502.5	1	0	21.40	1.21	22.61	<=33.01	Pass
			13	21.59	1.21	22.80	<=33.01	Pass
			24	21.54	1.21	22.75	<=33.01	Pass
		12	0	20.61	1.21	21.82	<=33.01	Pass
			6	20.67	1.21	21.88	<=33.01	Pass
			13	20.60	1.21	21.81	<=33.01	Pass
		25	0	20.72	1.21	21.93	<=33.01	Pass
	2535	1	0	21.99	1.21	23.20	<=33.01	Pass
			13	22.14	1.21	23.35	<=33.01	Pass
			24	22.10	1.21	23.31	<=33.01	Pass
		12	0	21.03	1.21	22.24	<=33.01	Pass
			6	21.08	1.21	22.29	<=33.01	Pass
			13	21.00	1.21	22.21	<=33.01	Pass
		25	0	21.08	1.21	22.29	<=33.01	Pass
	2567.5	1	0	22.35	1.21	23.56	<=33.01	Pass
			13	22.47	1.21	23.68	<=33.01	Pass
			24	22.36	1.21	23.57	<=33.01	Pass
		12	0	21.26	1.21	22.47	<=33.01	Pass
			6	21.29	1.21	22.50	<=33.01	Pass
			13	21.22	1.21	22.43	<=33.01	Pass
		25	0	21.23	1.21	22.44	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	22.56	1.21	23.77	<=33.01	Pass
			25	22.74	1.21	23.95	<=33.01	Pass
			49	22.81	1.21	24.02	<=33.01	Pass
		25	0	21.71	1.21	22.92	<=33.01	Pass
			13	21.73	1.21	22.94	<=33.01	Pass
			25	21.80	1.21	23.01	<=33.01	Pass
		50	0	21.74	1.21	22.95	<=33.01	Pass
	2535	1	0	23.01	1.21	24.22	<=33.01	Pass
			25	23.11	1.21	24.32	<=33.01	Pass
			49	23.15	1.21	24.36	<=33.01	Pass
		25	0	22.06	1.21	23.27	<=33.01	Pass
			13	22.07	1.21	23.28	<=33.01	Pass
			25	21.96	1.21	23.17	<=33.01	Pass
		50	0	22.07	1.21	23.28	<=33.01	Pass
	2565	1	0	23.26	1.21	24.47	<=33.01	Pass
			25	23.37	1.21	24.58	<=33.01	Pass
			49	23.42	1.21	24.63	<=33.01	Pass
		25	0	22.21	1.21	23.42	<=33.01	Pass
			13	22.32	1.21	23.53	<=33.01	Pass
			25	22.27	1.21	23.48	<=33.01	Pass
		50	0	22.24	1.21	23.45	<=33.01	Pass
16QAM	2505	1	0	22.09	1.21	23.30	<=33.01	Pass
			25	22.26	1.21	23.47	<=33.01	Pass
			49	22.30	1.21	23.51	<=33.01	Pass
		25	0	20.75	1.21	21.96	<=33.01	Pass
			13	20.77	1.21	21.98	<=33.01	Pass
			25	20.85	1.21	22.06	<=33.01	Pass
		50	0	20.75	1.21	21.96	<=33.01	Pass
	2535	1	0	22.00	1.21	23.21	<=33.01	Pass
			25	22.09	1.21	23.30	<=33.01	Pass
			49	22.12	1.21	23.33	<=33.01	Pass
		25	0	21.17	1.21	22.38	<=33.01	Pass
			13	21.17	1.21	22.38	<=33.01	Pass
			25	21.15	1.21	22.36	<=33.01	Pass
		50	0	21.07	1.21	22.28	<=33.01	Pass
	2565	1	0	22.37	1.21	23.58	<=33.01	Pass
			25	22.42	1.21	23.63	<=33.01	Pass
			49	22.41	1.21	23.62	<=33.01	Pass
		25	0	21.23	1.21	22.44	<=33.01	Pass
			13	21.35	1.21	22.56	<=33.01	Pass
			25	21.30	1.21	22.51	<=33.01	Pass
		50	0	21.23	1.21	22.44	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	22.46	1.21	23.67	<=33.01	Pass
			38	22.75	1.21	23.96	<=33.01	Pass
			74	22.77	1.21	23.98	<=33.01	Pass
		36	0	21.66	1.21	22.87	<=33.01	Pass
			18	21.73	1.21	22.94	<=33.01	Pass
			39	21.82	1.21	23.03	<=33.01	Pass
		75	0	21.78	1.21	22.99	<=33.01	Pass

16QAM	2535	1	0	22.87	1.21	24.08	<=33.01	Pass
			38	23.09	1.21	24.30	<=33.01	Pass
			74	23.08	1.21	24.29	<=33.01	Pass
		36	0	22.05	1.21	23.26	<=33.01	Pass
			18	22.09	1.21	23.30	<=33.01	Pass
			39	22.03	1.21	23.24	<=33.01	Pass
		75	0	22.13	1.21	23.34	<=33.01	Pass
	2562.5	1	0	23.16	1.21	24.37	<=33.01	Pass
			38	23.45	1.21	24.66	<=33.01	Pass
			74	23.39	1.21	24.60	<=33.01	Pass
		36	0	22.29	1.21	23.50	<=33.01	Pass
			18	22.40	1.21	23.61	<=33.01	Pass
			39	22.42	1.21	23.63	<=33.01	Pass
		75	0	22.37	1.21	23.58	<=33.01	Pass
	2507.5	1	0	21.67	1.21	22.88	<=33.01	Pass
			38	21.94	1.21	23.15	<=33.01	Pass
			74	21.93	1.21	23.14	<=33.01	Pass
		36	0	20.68	1.21	21.89	<=33.01	Pass
			18	20.75	1.21	21.96	<=33.01	Pass
			39	20.79	1.21	22.00	<=33.01	Pass
		75	0	20.78	1.21	21.99	<=33.01	Pass
	2535	1	0	22.29	1.21	23.50	<=33.01	Pass
			38	22.53	1.21	23.74	<=33.01	Pass
			74	22.55	1.21	23.76	<=33.01	Pass
		36	0	21.08	1.21	22.29	<=33.01	Pass
			18	21.14	1.21	22.35	<=33.01	Pass
			39	21.09	1.21	22.30	<=33.01	Pass
		75	0	21.08	1.21	22.29	<=33.01	Pass
	2562.5	1	0	22.44	1.21	23.65	<=33.01	Pass
			38	22.57	1.21	23.78	<=33.01	Pass
			74	22.45	1.21	23.66	<=33.01	Pass
		36	0	21.22	1.21	22.43	<=33.01	Pass
			18	21.36	1.21	22.57	<=33.01	Pass
			39	21.35	1.21	22.56	<=33.01	Pass
		75	0	21.28	1.21	22.49	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	22.39	1.21	23.60	<=33.01	Pass
			50	22.80	1.21	24.01	<=33.01	Pass
			99	22.85	1.21	24.06	<=33.01	Pass
		50	0	21.66	1.21	22.87	<=33.01	Pass
			25	21.81	1.21	23.02	<=33.01	Pass
			50	21.96	1.21	23.17	<=33.01	Pass
		100	0	21.79	1.21	23.00	<=33.01	Pass
	2535	1	0	22.83	1.21	24.04	<=33.01	Pass
			50	23.07	1.21	24.28	<=33.01	Pass
			99	23.07	1.21	24.28	<=33.01	Pass
		50	0	22.03	1.21	23.24	<=33.01	Pass
			25	22.10	1.21	23.31	<=33.01	Pass
			50	21.95	1.21	23.16	<=33.01	Pass
		100	0	22.01	1.21	23.22	<=33.01	Pass
	2560	1	0	22.99	1.21	24.20	<=33.01	Pass
			50	23.34	1.21	24.55	<=33.01	Pass

16QAM		50	99	23.29	1.21	24.50	<=33.01	Pass
			0	22.07	1.21	23.28	<=33.01	Pass
			25	22.33	1.21	23.54	<=33.01	Pass
			50	22.28	1.21	23.49	<=33.01	Pass
		100	0	22.20	1.21	23.41	<=33.01	Pass
	2510	1	0	21.92	1.21	23.13	<=33.01	Pass
			50	22.28	1.21	23.49	<=33.01	Pass
			99	22.26	1.21	23.47	<=33.01	Pass
		50	0	20.62	1.21	21.83	<=33.01	Pass
			25	20.81	1.21	22.02	<=33.01	Pass
			50	20.97	1.21	22.18	<=33.01	Pass
		100	0	20.86	1.21	22.07	<=33.01	Pass
	2535	1	0	21.91	1.21	23.12	<=33.01	Pass
			50	22.25	1.21	23.46	<=33.01	Pass
			99	22.24	1.21	23.45	<=33.01	Pass
		50	0	21.07	1.21	22.28	<=33.01	Pass
			25	21.14	1.21	22.35	<=33.01	Pass
			50	20.97	1.21	22.18	<=33.01	Pass
		100	0	21.04	1.21	22.25	<=33.01	Pass
	2560	1	0	22.24	1.21	23.45	<=33.01	Pass
			50	22.54	1.21	23.75	<=33.01	Pass
			99	22.39	1.21	23.60	<=33.01	Pass
		50	0	21.15	1.21	22.36	<=33.01	Pass
			25	21.35	1.21	22.56	<=33.01	Pass
			50	21.28	1.21	22.49	<=33.01	Pass
		100	0	21.25	1.21	22.46	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B7_5MHz

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	-4.663	-0.0019	-2.5 to 2.5	Pass
					3.85	-8.368	-0.0033	-2.5 to 2.5	Pass
					4.43	3.176	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	7.024	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-7.553	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-11.029	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-9.599	-0.0038	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0006	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-11.601	-0.0046	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-7.038	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				10	3.85	4.449	0.0018	-2.5 to 2.5	Pass

16QAM	2567.5	25	0	30	3.85	4.463	0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				50	3.85	5.937	0.0023	-2.5 to 2.5	Pass
				20	3.27	-11.559	-0.0045	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.130	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	7.968	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	6.680	0.0026	-2.5 to 2.5	Pass
				0	3.85	-9.112	-0.0035	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0012	-2.5 to 2.5	Pass
				30	3.85	-4.878	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-11.172	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-1.960	-0.0008	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-4.148	-0.0017	-2.5 to 2.5	Pass
					3.85	5.522	0.0022	-2.5 to 2.5	Pass
					4.43	-1.788	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.565	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.536	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				0	3.85	5.794	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0004	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
	2535	25	0	50	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				20	3.27	2.847	0.0011	-2.5 to 2.5	Pass
					3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	5.479	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-18.582	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-2.689	-0.0011	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.735	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-11.773	-0.0046	-2.5 to 2.5	Pass
	2567.5	25	0	40	3.85	3.705	0.0015	-2.5 to 2.5	Pass
				50	3.85	-16.680	-0.0066	-2.5 to 2.5	Pass
				20	3.27	-3.419	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0005	-2.5 to 2.5	Pass
					4.43	6.037	0.0024	-2.5 to 2.5	Pass
				-30	3.85	5.007	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	3.662	0.0014	-2.5 to 2.5	Pass
				0	3.85	4.077	0.0016	-2.5 to 2.5	Pass
				10	3.85	7.653	0.0030	-2.5 to 2.5	Pass
				30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass

2.1.2 B7_10MHz

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	-6.008	-0.0024	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
					4.43	3.119	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.717	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass

				-10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.661	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
				30	3.85	6.380	0.0025	-2.5 to 2.5	Pass
				40	3.85	1.960	0.0008	-2.5 to 2.5	Pass
				50	3.85	-6.595	-0.0026	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-2.074	-0.0008	-2.5 to 2.5	Pass
					3.85	6.638	0.0026	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.588	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-5.636	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-9.527	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-4.978	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.735	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0030	-2.5 to 2.5	Pass
				50	3.85	1.173	0.0005	-2.5 to 2.5	Pass
				20	3.27	-2.403	-0.0009	-2.5 to 2.5	Pass
					3.85	-7.625	-0.0030	-2.5 to 2.5	Pass
					4.43	-7.539	-0.0029	-2.5 to 2.5	Pass
	2565	50	0	-30	3.85	-10.471	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.576	0.0014	-2.5 to 2.5	Pass
				10	3.85	-7.596	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0016	-2.5 to 2.5	Pass
				40	3.85	3.304	0.0013	-2.5 to 2.5	Pass
				50	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-2.360	-0.0009	-2.5 to 2.5	Pass
					3.85	4.563	0.0018	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.131	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-6.695	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-6.523	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-8.698	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-11.745	-0.0046	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
					4.43	-4.349	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.622	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.493	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-6.495	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-10.529	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-6.080	-0.0024	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	2.232	0.0009	-2.5 to 2.5	Pass
					3.85	1.345	0.0005	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	4.392	0.0017	-2.5 to 2.5	Pass
				0	3.85	-9.656	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-8.726	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0022	-2.5 to 2.5	Pass

				40	3.85	-1.202	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-10.471	-0.0041	-2.5 to 2.5	Pass

2.1.3 B7_15MHz

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	-3.147	-0.0013	-2.5 to 2.5	Pass
					3.85	0.615	0.0002	-2.5 to 2.5	Pass
					4.43	1.745	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-7.625	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0005	-2.5 to 2.5	Pass
				0	3.85	-8.626	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.236	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.107	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				50	3.85	-5.479	-0.0022	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	4.306	0.0017	-2.5 to 2.5	Pass
					3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	2.561	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.824	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.792	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0017	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-1.988	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
					4.43	4.377	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-13.447	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-10.886	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-11.859	-0.0046	-2.5 to 2.5	Pass
				10	3.85	3.576	0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0025	-2.5 to 2.5	Pass
				50	3.85	0.815	0.0003	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-11.344	-0.0045	-2.5 to 2.5	Pass
					3.85	-6.680	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.320	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.990	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-3.390	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.164	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0010	-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	-7.625	-0.0030	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
					4.43	-8.640	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	5.736	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass

				0	3.85	-9.656	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-10.915	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-12.331	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-8.183	-0.0032	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-4.277	-0.0017	-2.5 to 2.5	Pass
					3.85	6.795	0.0027	-2.5 to 2.5	Pass
					4.43	-3.963	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-8.197	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.717	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-13.404	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass

2.1.4 B7_20MHz

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	-8.769	-0.0035	-2.5 to 2.5	Pass
					3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.245	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	5.550	0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.101	0.0004	-2.5 to 2.5	Pass
				-10	3.85	7.110	0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.332	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.216	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0003	-2.5 to 2.5	Pass
				40	3.85	4.349	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.890	0.0012	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-0.329	-0.0001	-2.5 to 2.5	Pass
					3.85	-10.471	-0.0041	-2.5 to 2.5	Pass
					4.43	0.372	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.373	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-8.082	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.822	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-2.789	-0.0011	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0027	-2.5 to 2.5	Pass
					4.43	2.575	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.974	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-10.271	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.621	-0.0018	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	1.001	0.0004	-2.5 to 2.5	Pass
					3.85	-9.885	-0.0039	-2.5 to 2.5	Pass
					4.43	7.253	0.0029	-2.5 to 2.5	Pass

				-30	3.85	5.007	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-14.863	-0.0059	-2.5 to 2.5	Pass
				10	3.85	7.925	0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				40	3.85	4.063	0.0016	-2.5 to 2.5	Pass
				50	3.85	-7.324	-0.0029	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-3.834	-0.0015	-2.5 to 2.5	Pass
					3.85	-8.826	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	7.081	0.0028	-2.5 to 2.5	Pass
				0	3.85	-8.497	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0023	-2.5 to 2.5	Pass
				30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	0.072	0.0000	-2.5 to 2.5	Pass
					4.43	3.018	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-10.858	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-6.466	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.879	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0019	-2.5 to 2.5	Pass
				50	3.85	0.114	0.0000	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B7_5MHz

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

3.1.2 B7_10MHz

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

3.1.3 B7_15MHz

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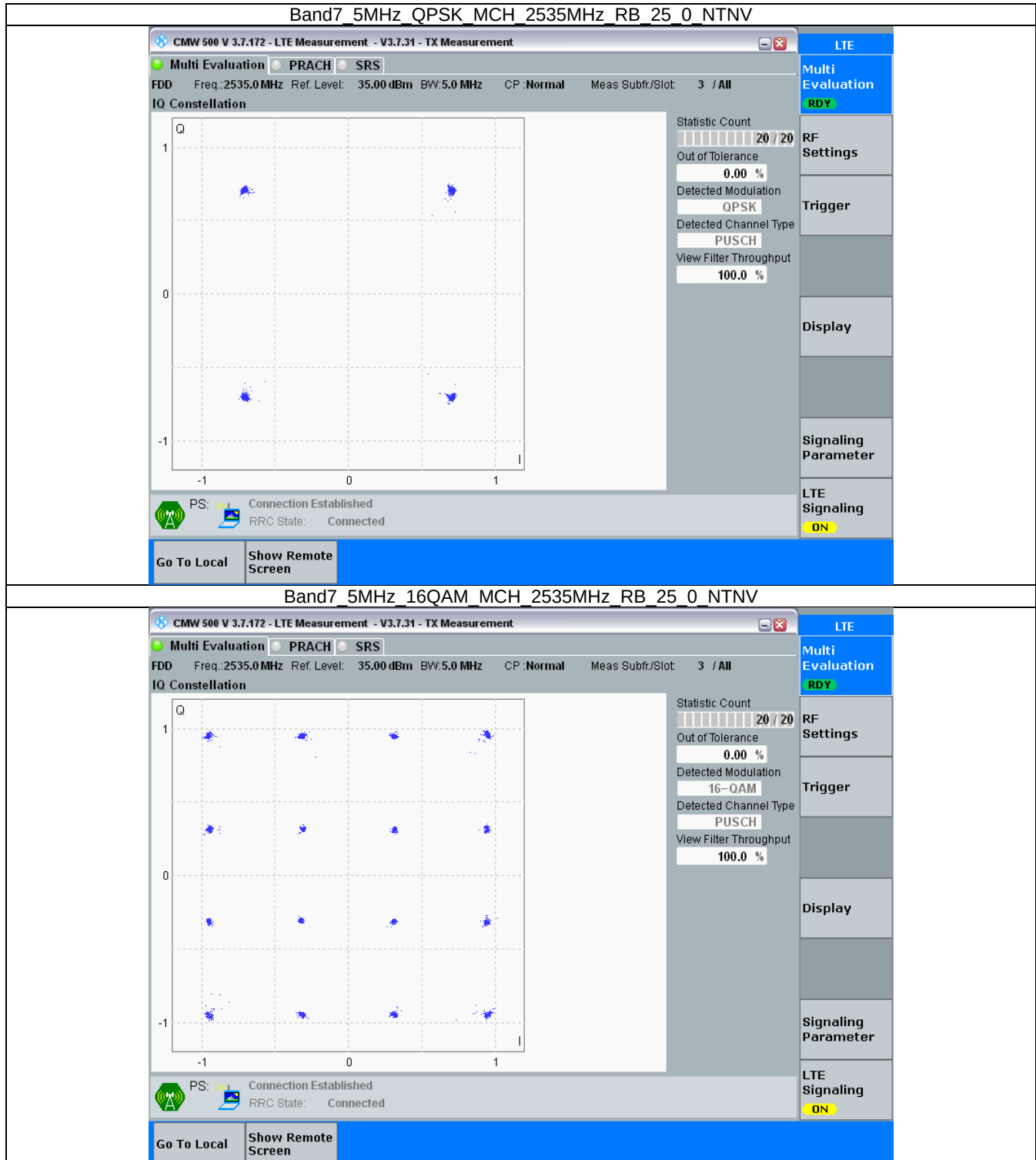
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.1.4 B7_20MHz

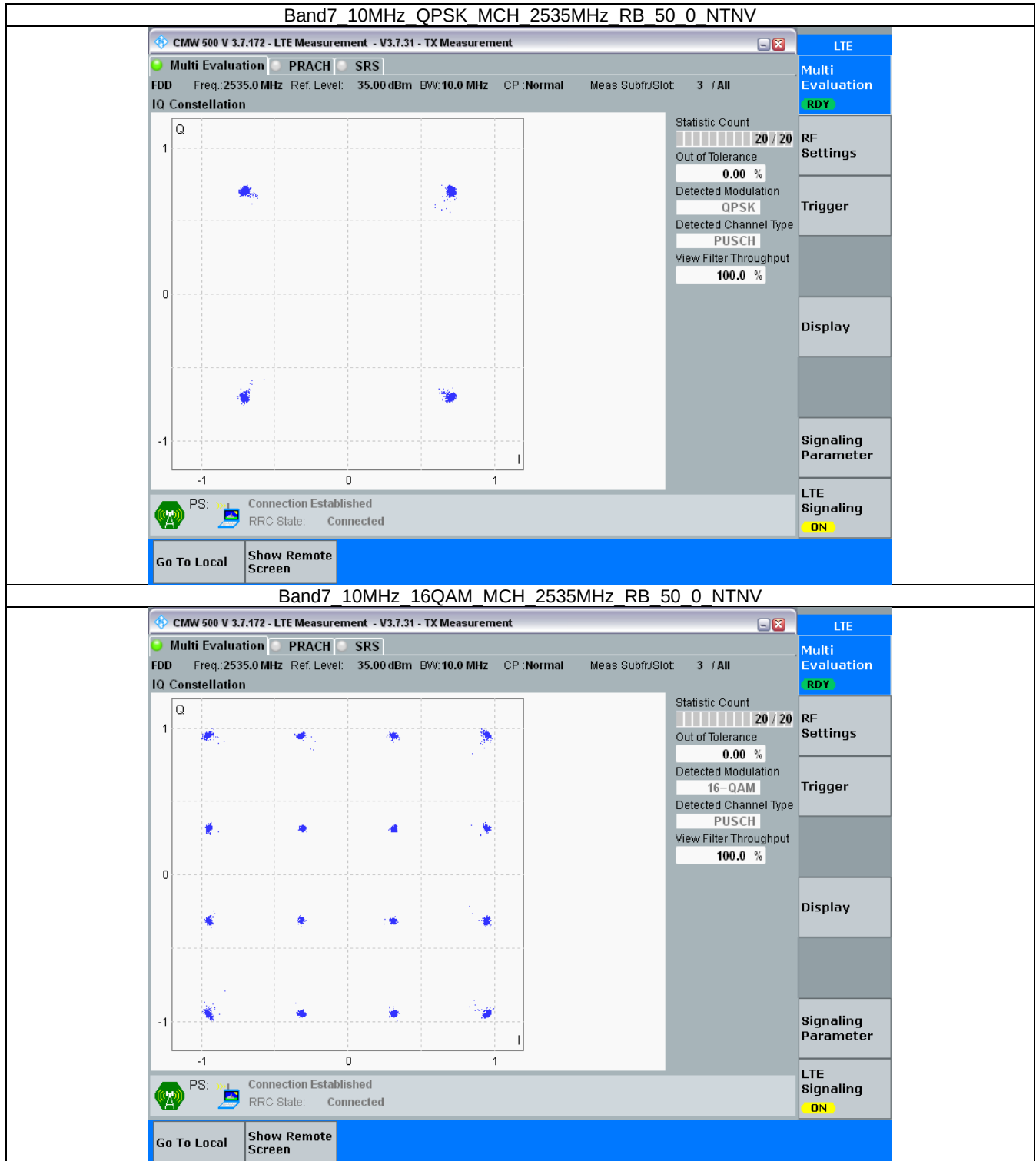
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

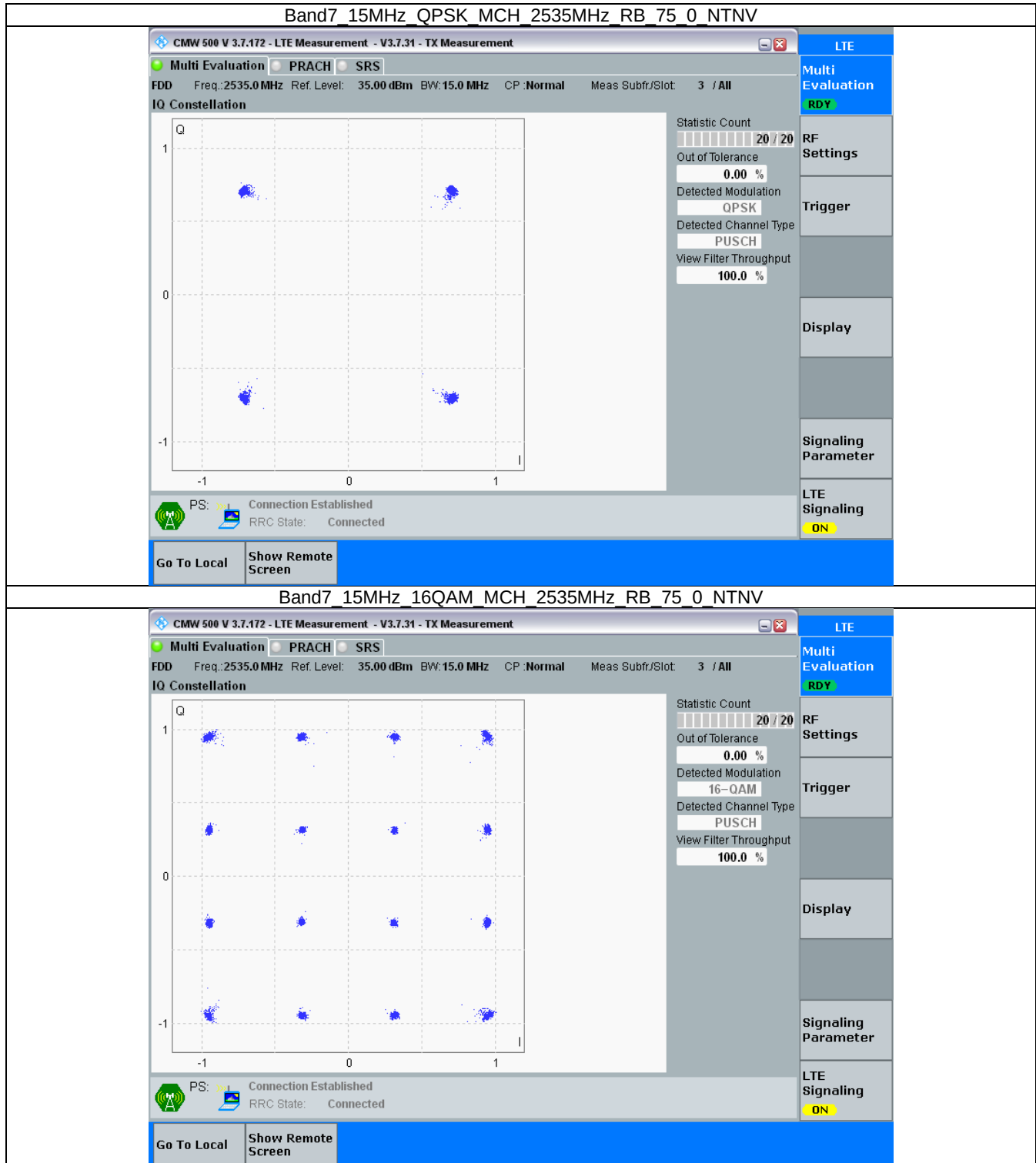
3.2.1 B7_5MHz



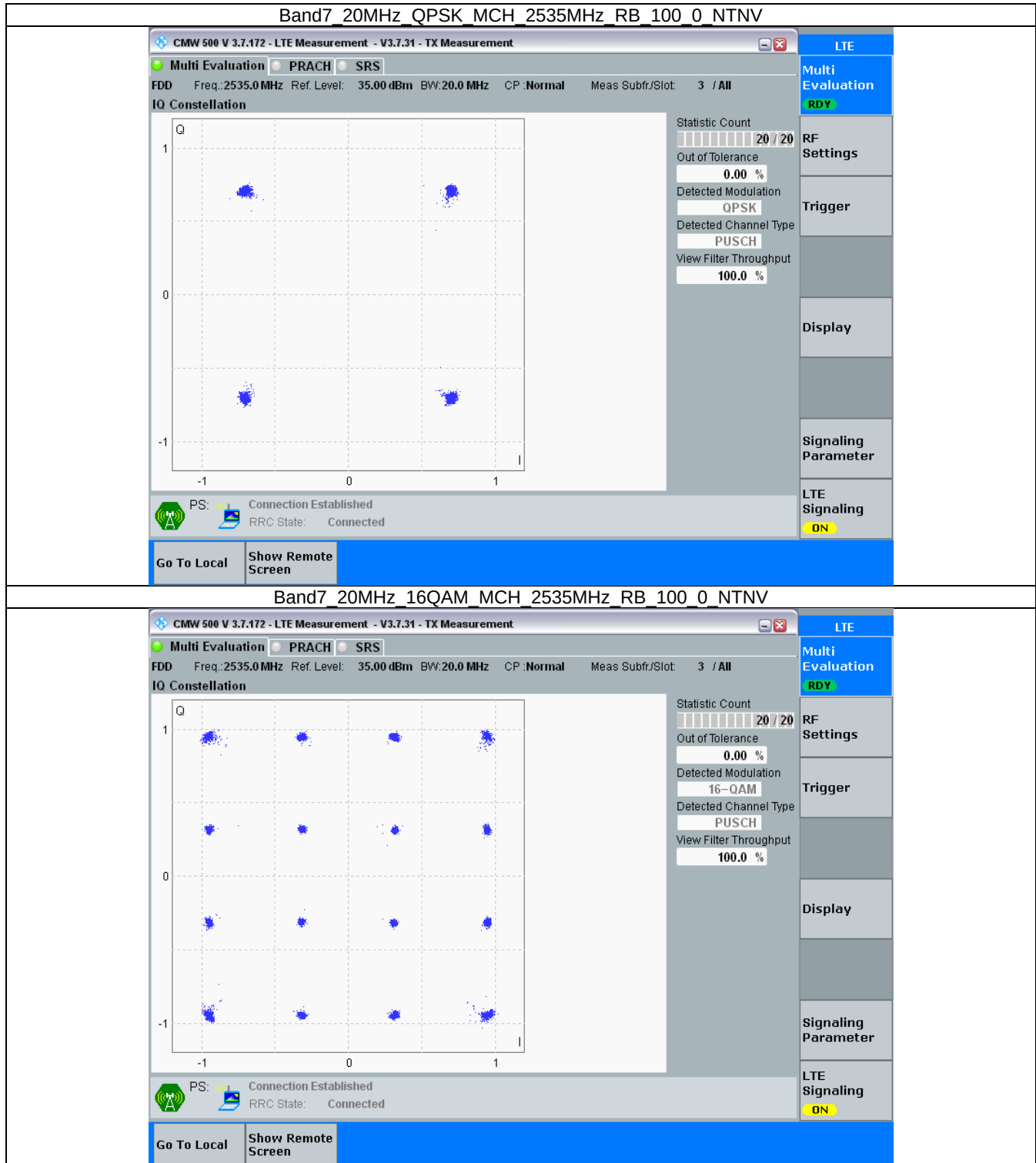
3.2.2 B7_10MHz



3.2.3 B7_15MHz



3.2.4 B7_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band7_OBW

Band: 7 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.544	/	Pass
		2535	25	0	4.535	/	Pass
		2567.5	25	0	4.572	/	Pass
	16QAM	2502.5	25	0	4.545	/	Pass
		2535	25	0	4.537	/	Pass
		2567.5	25	0	4.546	/	Pass
10	QPSK	2505	50	0	9.062	/	Pass
		2535	50	0	9.038	/	Pass
		2565	50	0	9.062	/	Pass
	16QAM	2505	50	0	9.032	/	Pass
		2535	50	0	9.036	/	Pass
		2565	50	0	9.088	/	Pass
15	QPSK	2507.5	75	0	13.599	/	Pass
		2535	75	0	13.527	/	Pass
		2562.5	75	0	13.592	/	Pass
	16QAM	2507.5	75	0	13.587	/	Pass
		2535	75	0	13.567	/	Pass
		2562.5	75	0	13.615	/	Pass
20	QPSK	2510	100	0	18.145	/	Pass
		2535	100	0	17.990	/	Pass
		2560	100	0	18.065	/	Pass
	16QAM	2510	100	0	18.130	/	Pass
		2535	100	0	18.036	/	Pass
		2560	100	0	18.085	/	Pass

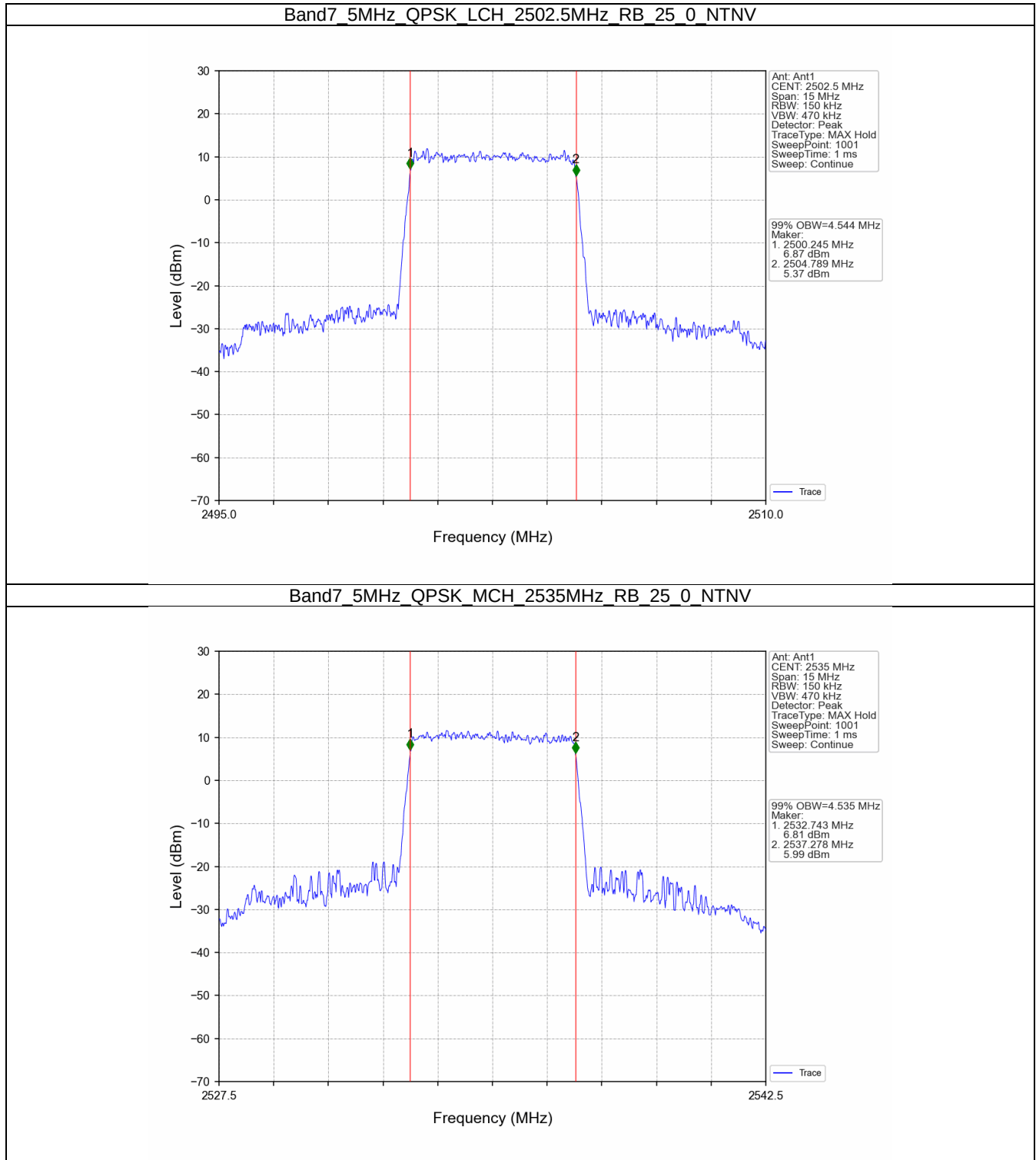
4.1.2 Band7_XDB

Band: 7 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.022	/	Pass
		2535	25	0	5.003	/	Pass
		2567.5	25	0	5.024	/	Pass
	16QAM	2502.5	25	0	5.028	/	Pass
		2535	25	0	4.983	/	Pass
		2567.5	25	0	5.002	/	Pass
10	QPSK	2505	50	0	9.901	/	Pass
		2535	50	0	9.891	/	Pass
		2565	50	0	10.031	/	Pass
	16QAM	2505	50	0	9.929	/	Pass
		2535	50	0	9.890	/	Pass
		2565	50	0	9.955	/	Pass
15	QPSK	2507.5	75	0	14.846	/	Pass
		2535	75	0	14.810	/	Pass
		2562.5	75	0	14.974	/	Pass

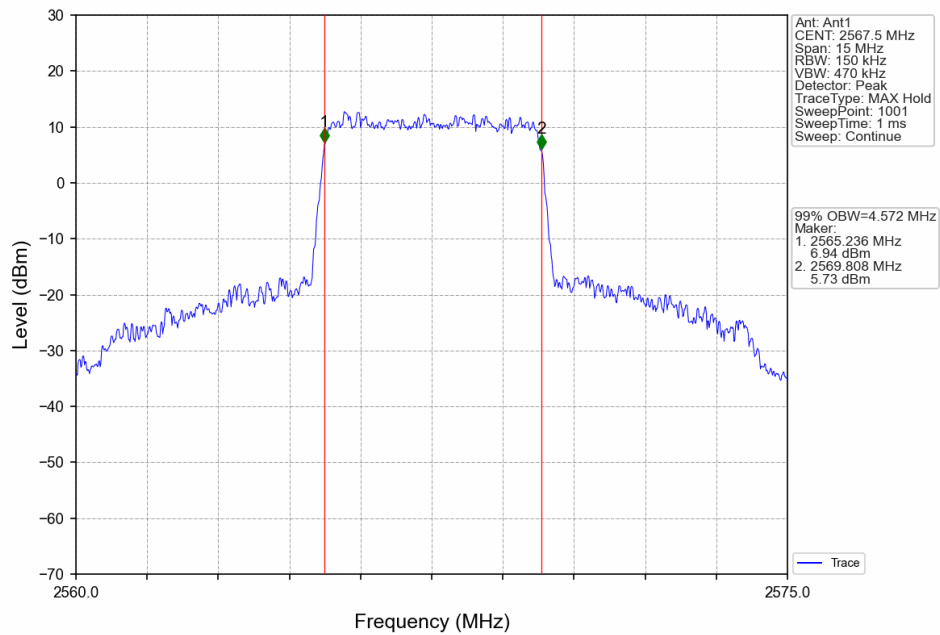
20	16QAM	2507.5	75	0	14.912	/	Pass
		2535	75	0	14.743	/	Pass
		2562.5	75	0	14.801	/	Pass
	QPSK	2510	100	0	19.772	/	Pass
		2535	100	0	19.596	/	Pass
		2560	100	0	19.576	/	Pass
	16QAM	2510	100	0	19.694	/	Pass
		2535	100	0	19.569	/	Pass
		2560	100	0	19.722	/	Pass

4.2 Test Graph

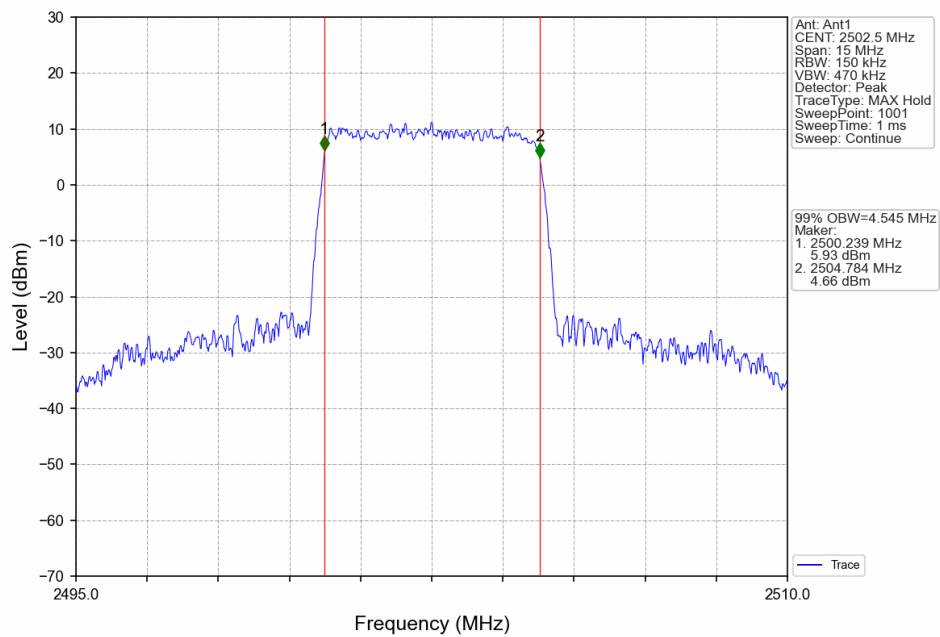
4.2.1 Band7_OBW



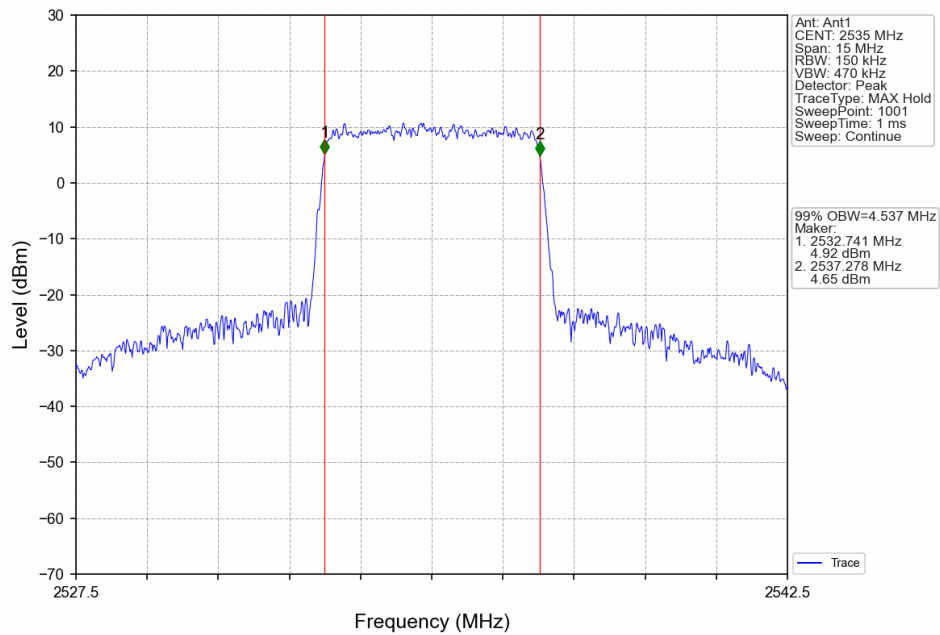
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



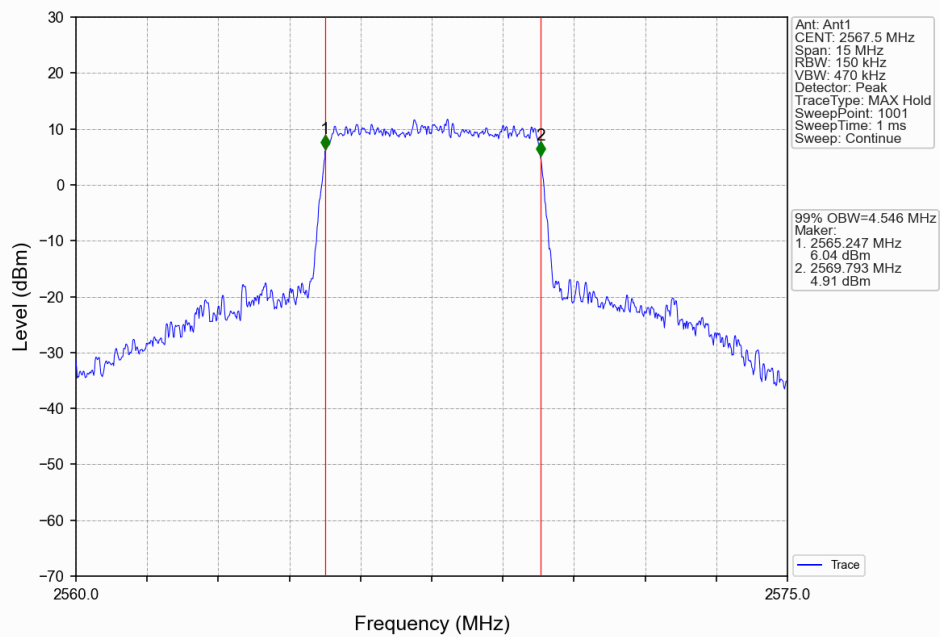
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



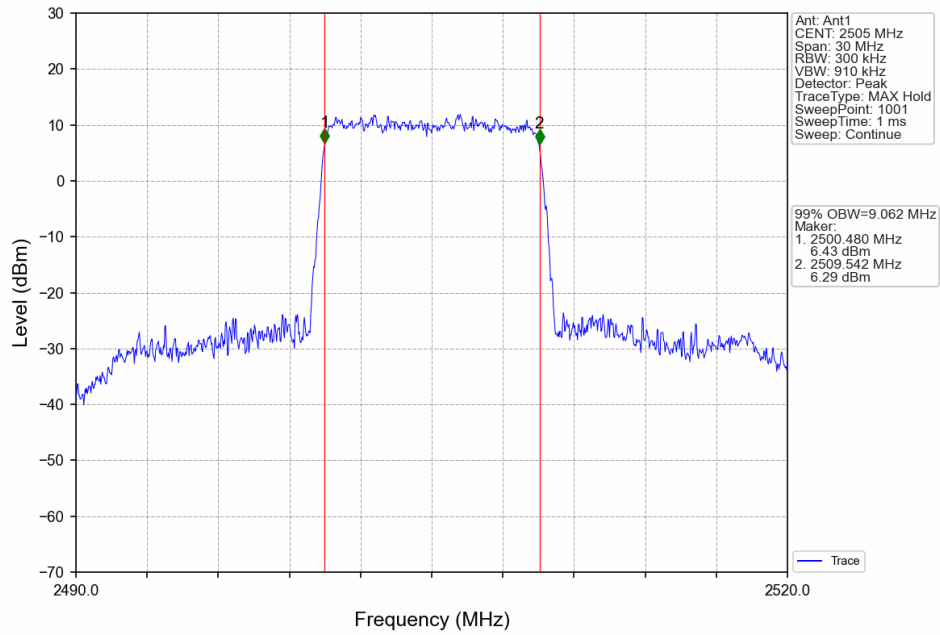
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



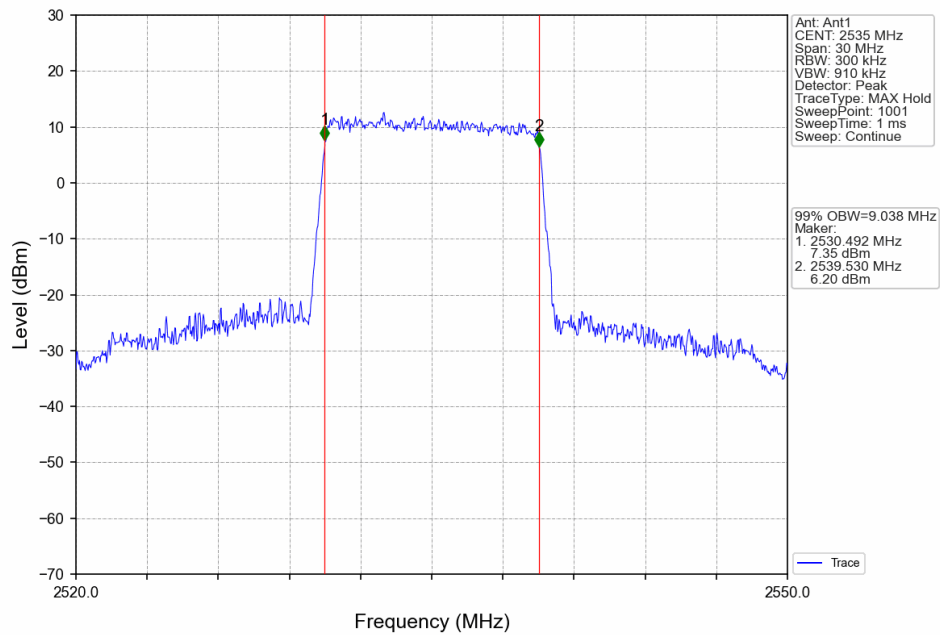
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



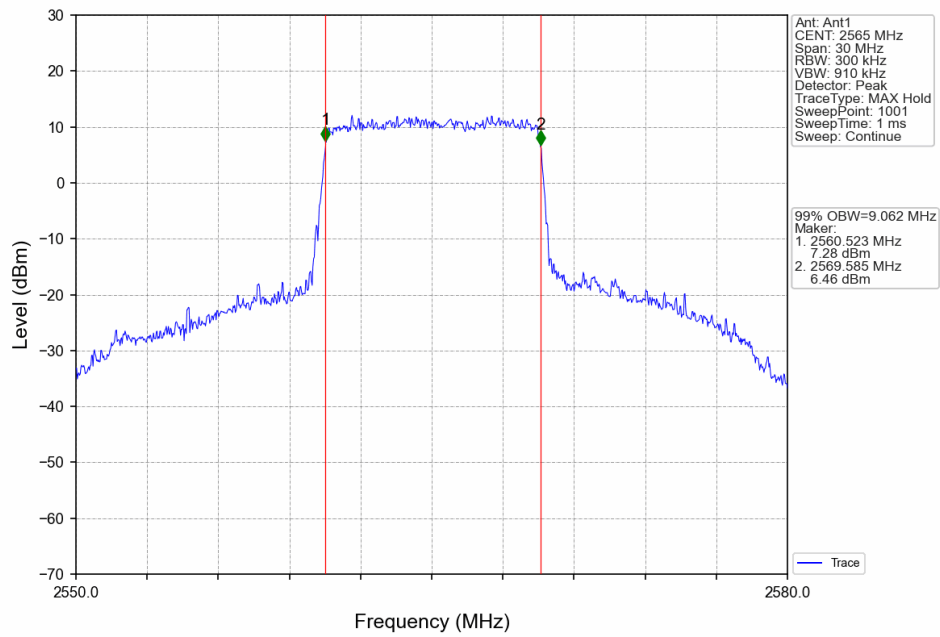
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



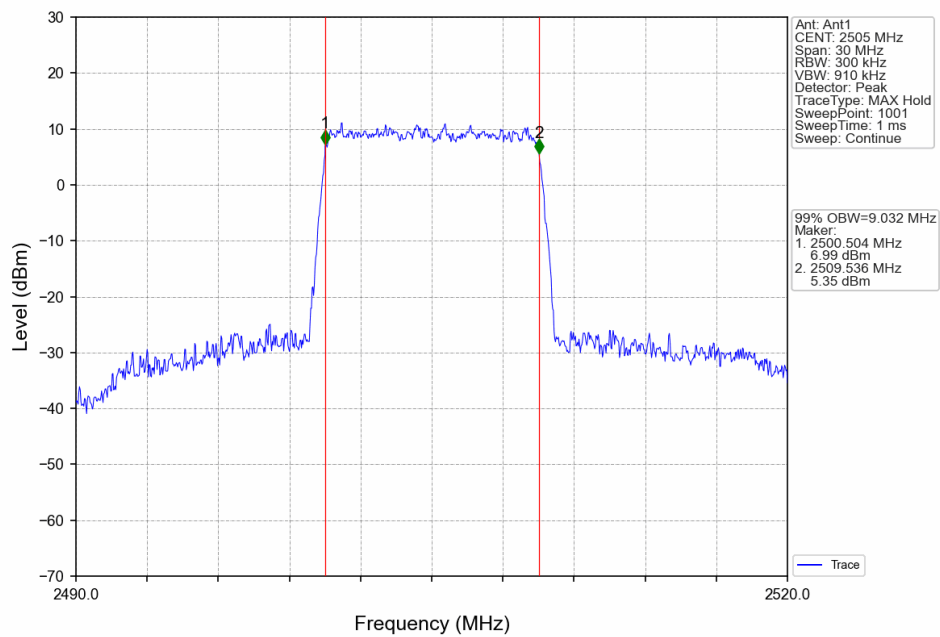
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



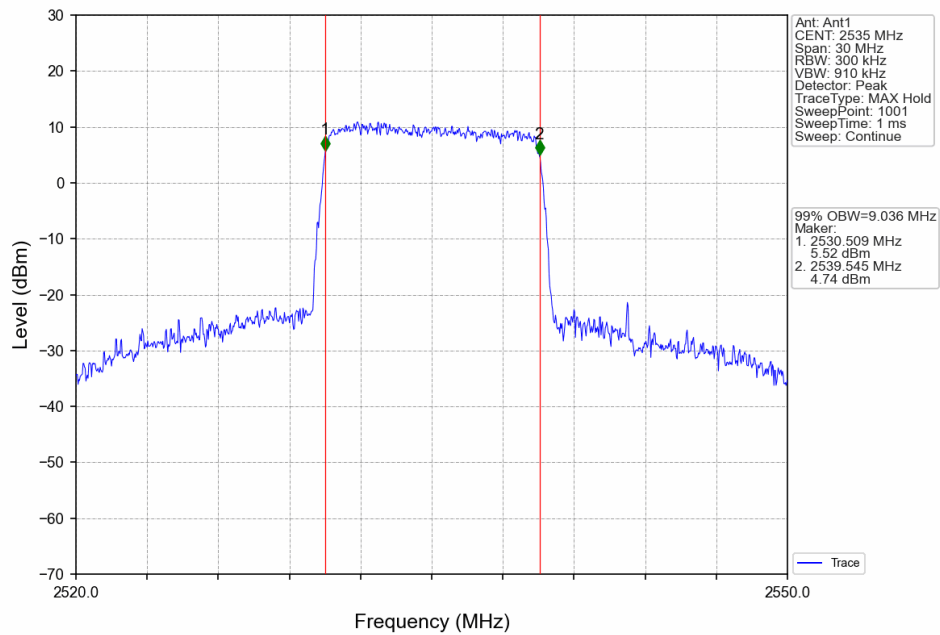
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



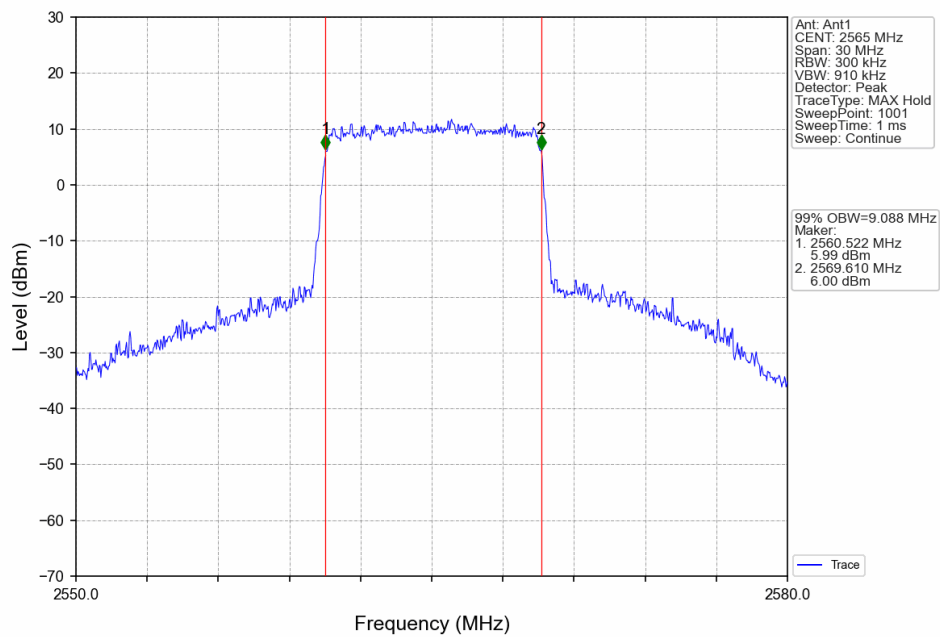
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



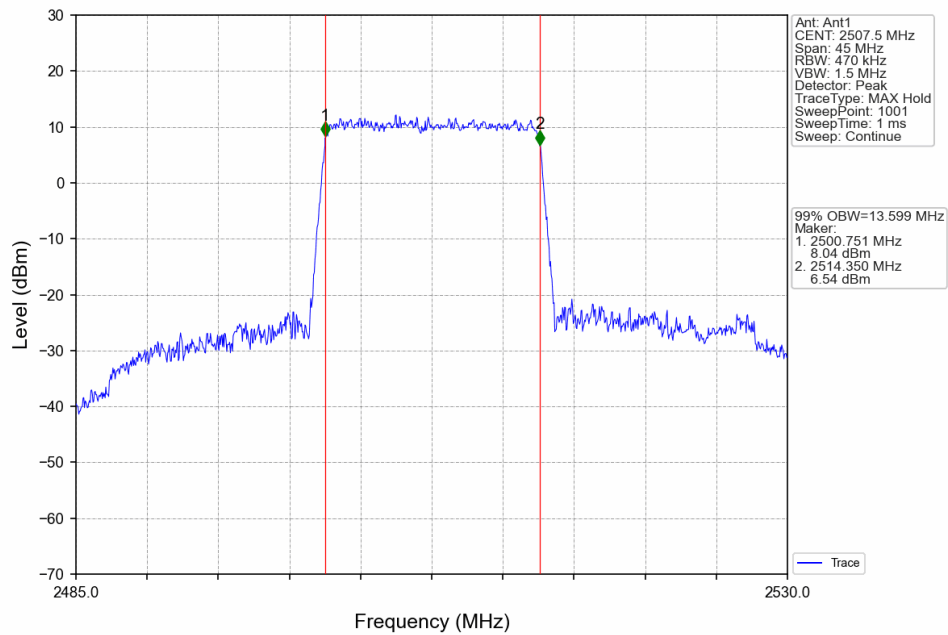
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



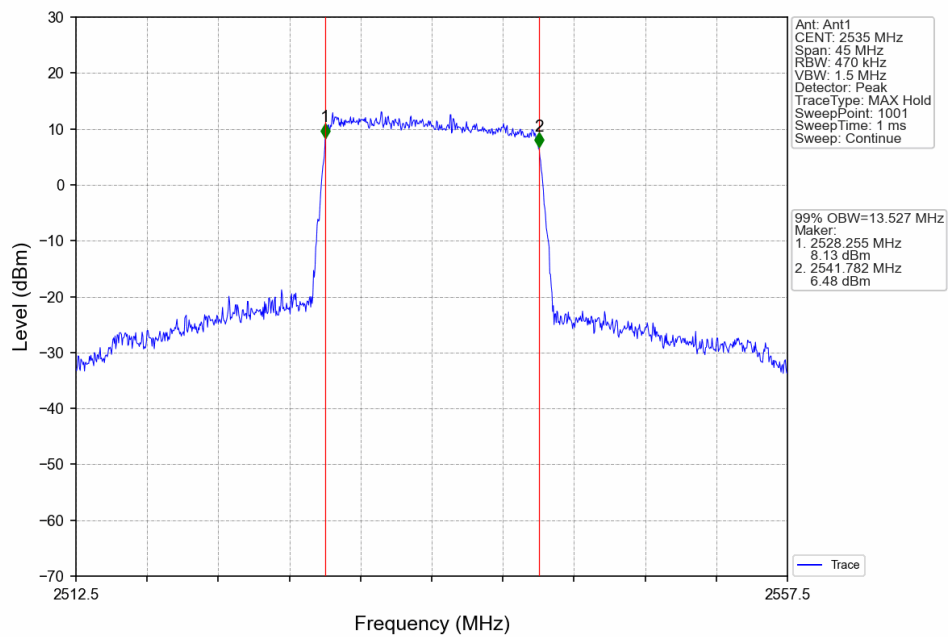
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



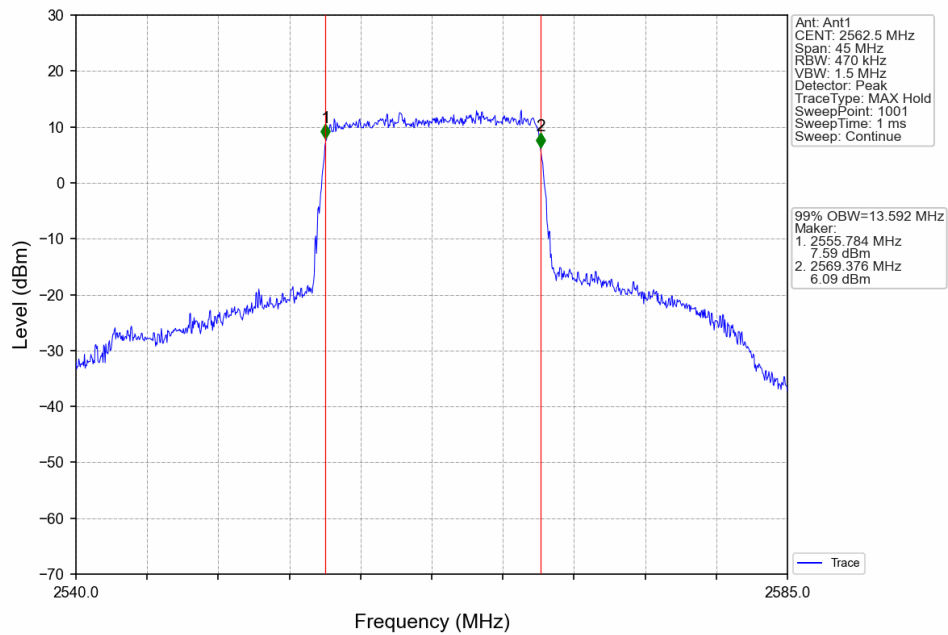
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



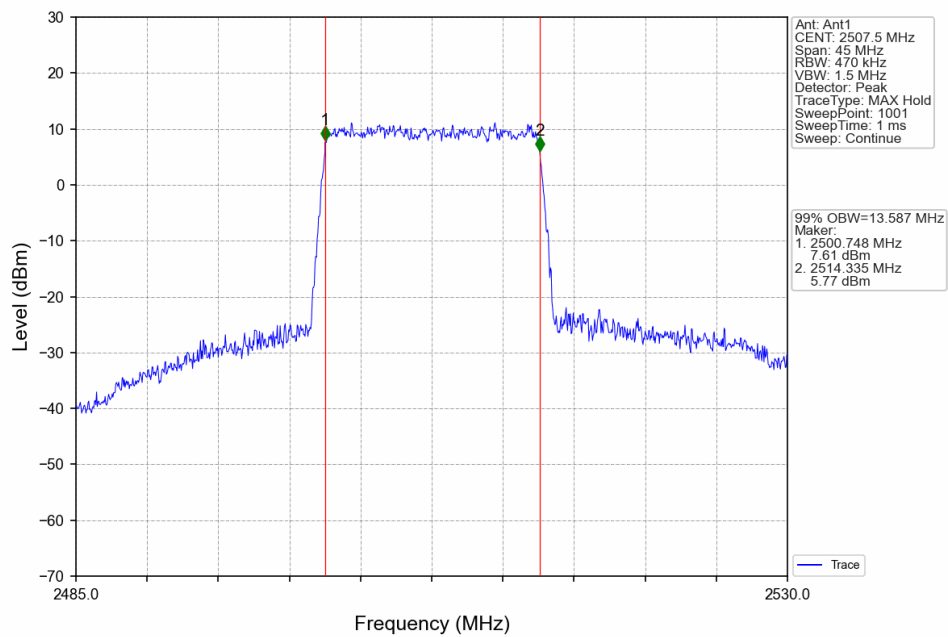
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



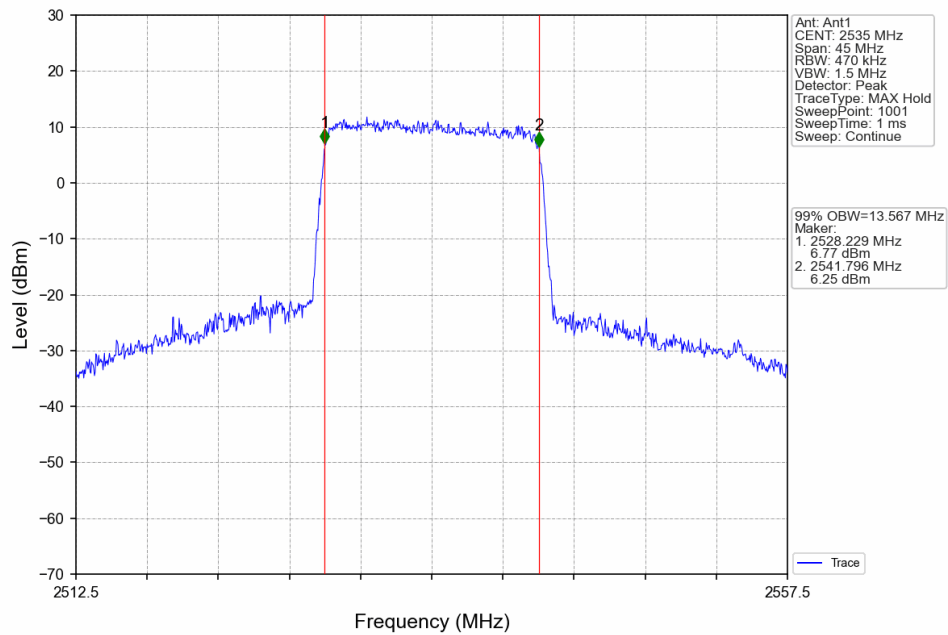
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



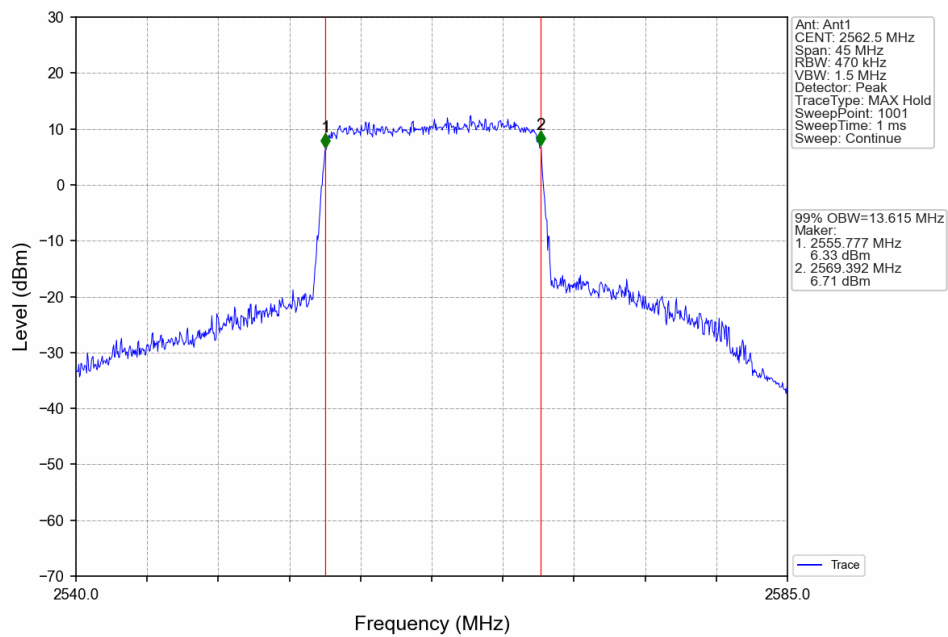
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



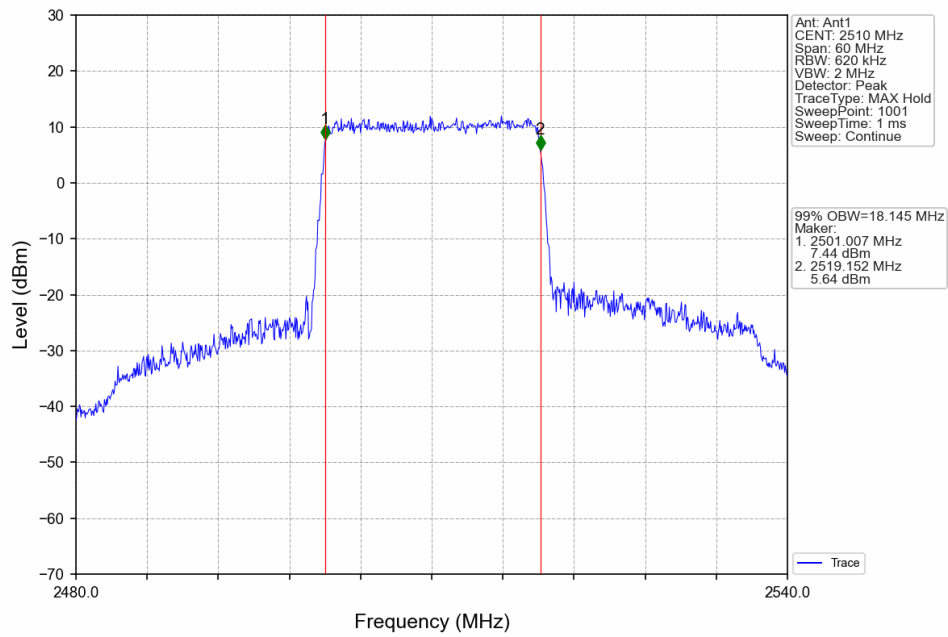
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



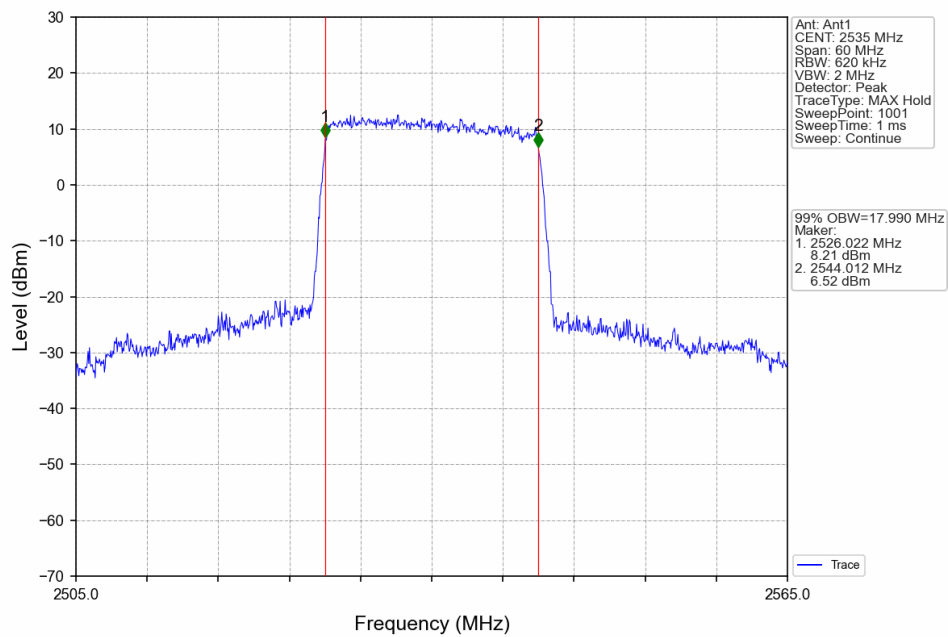
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



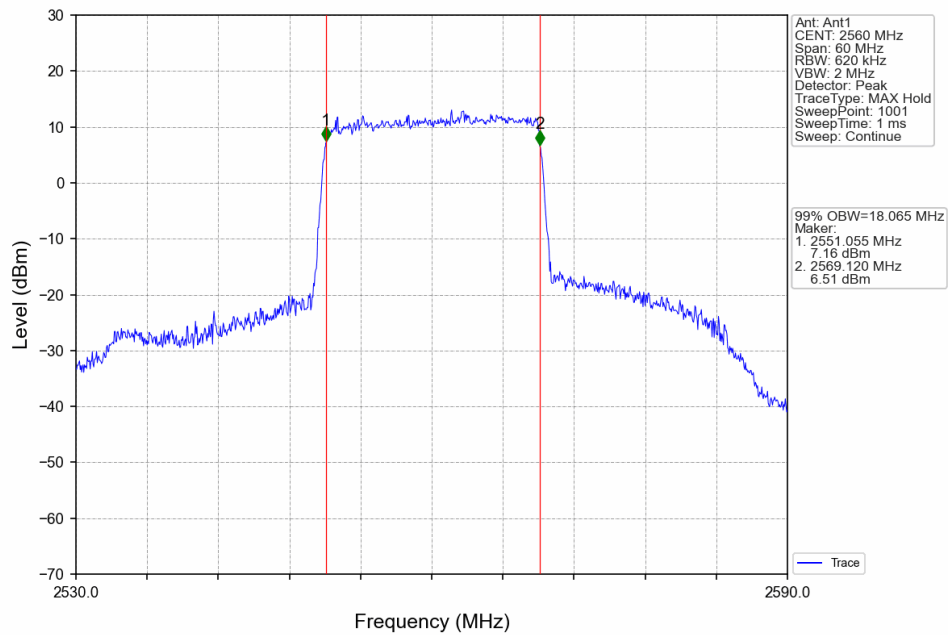
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



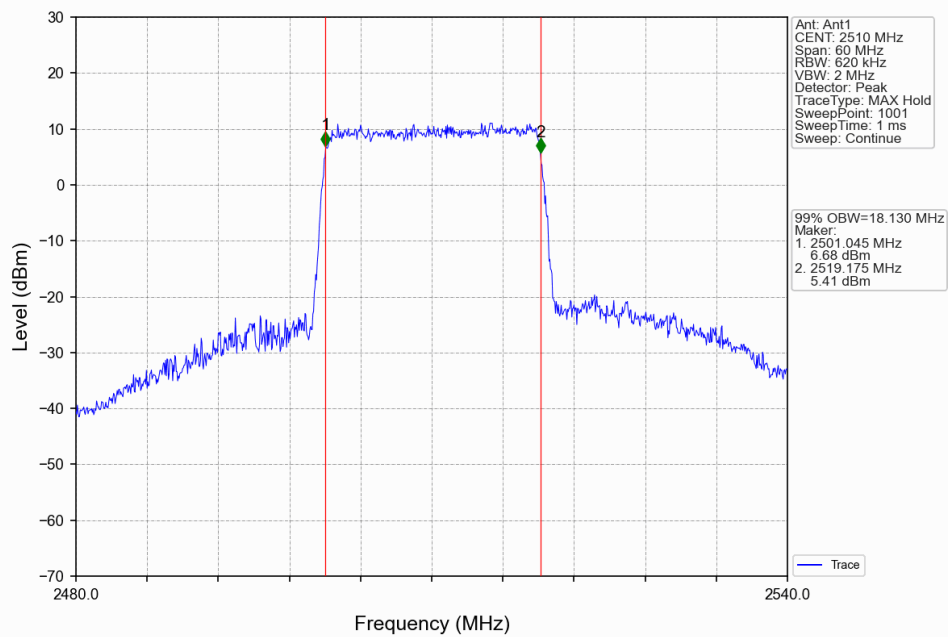
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



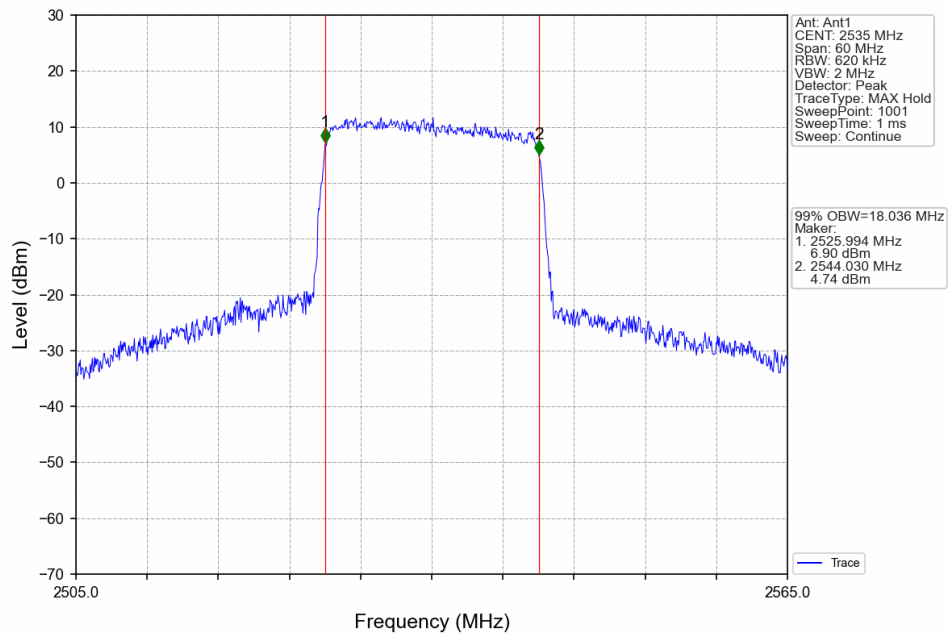
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



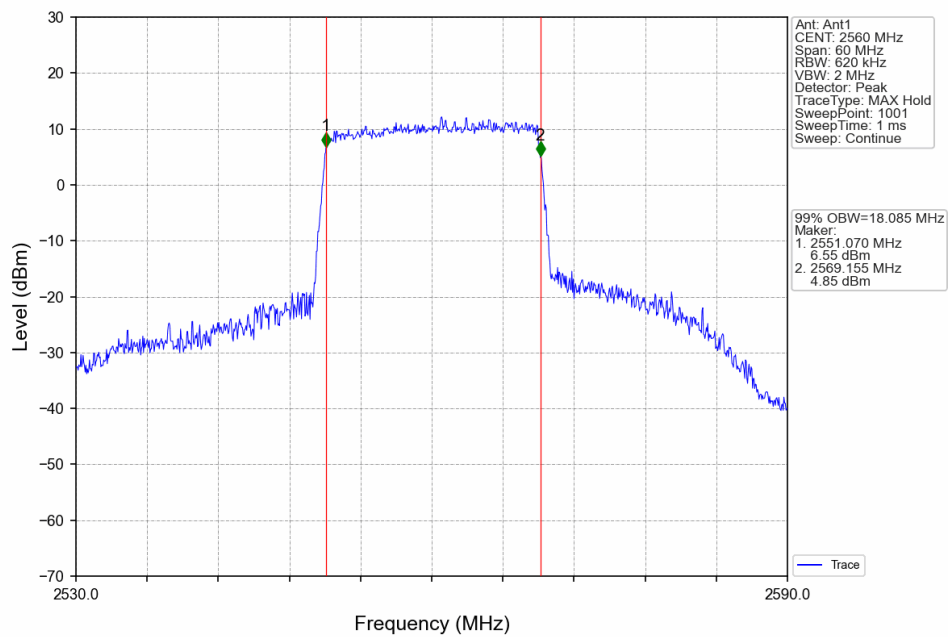
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



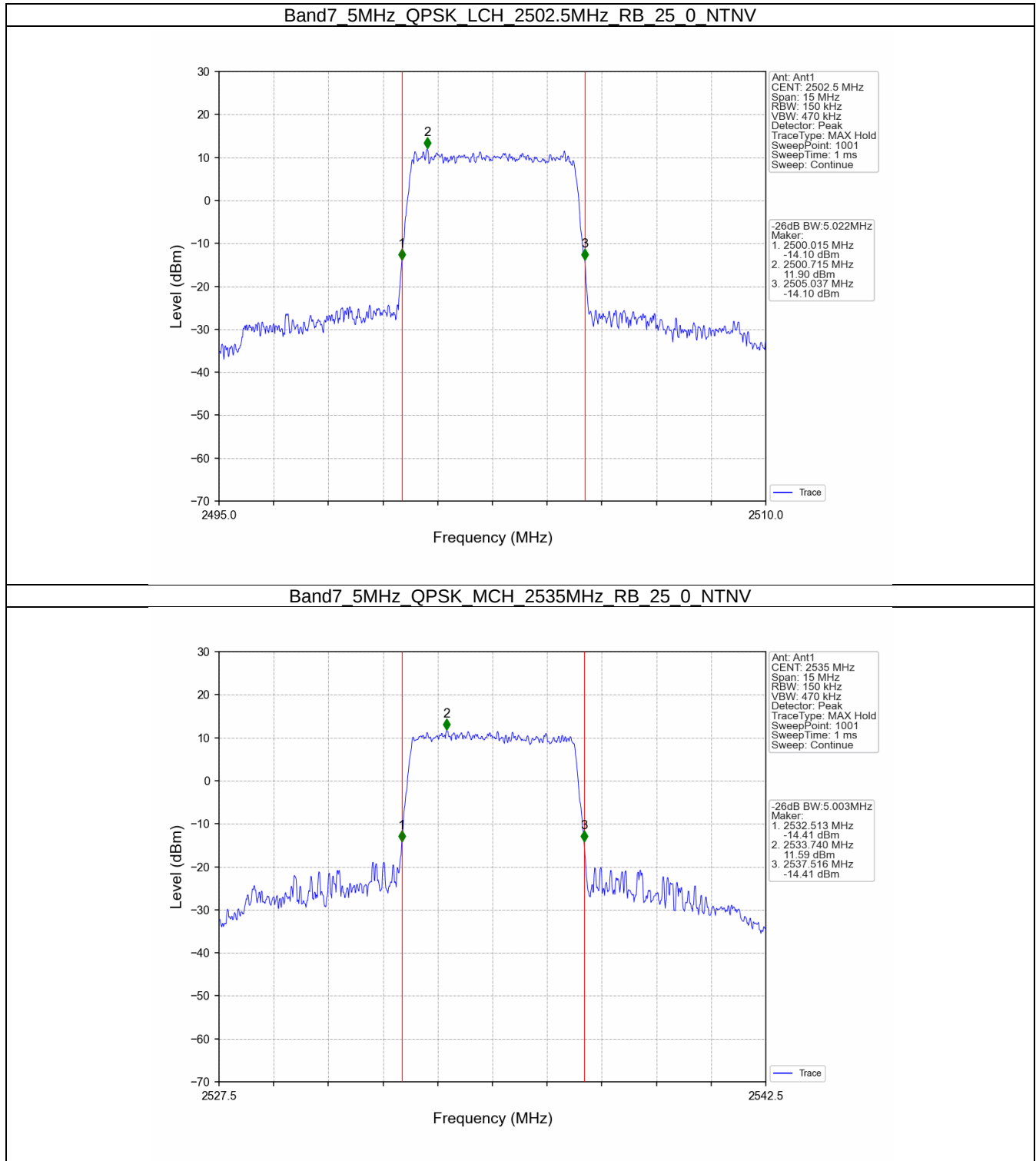
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



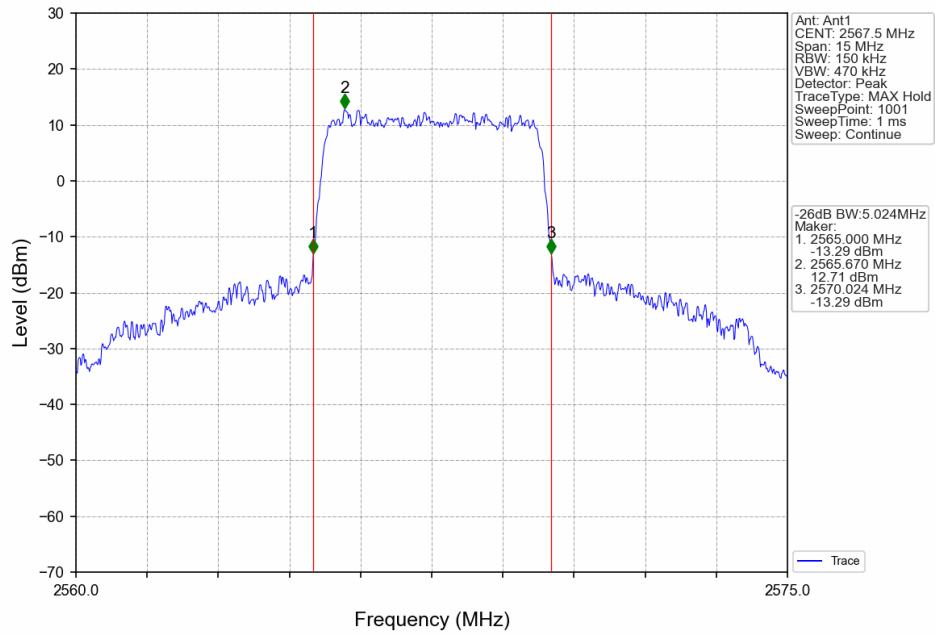
Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



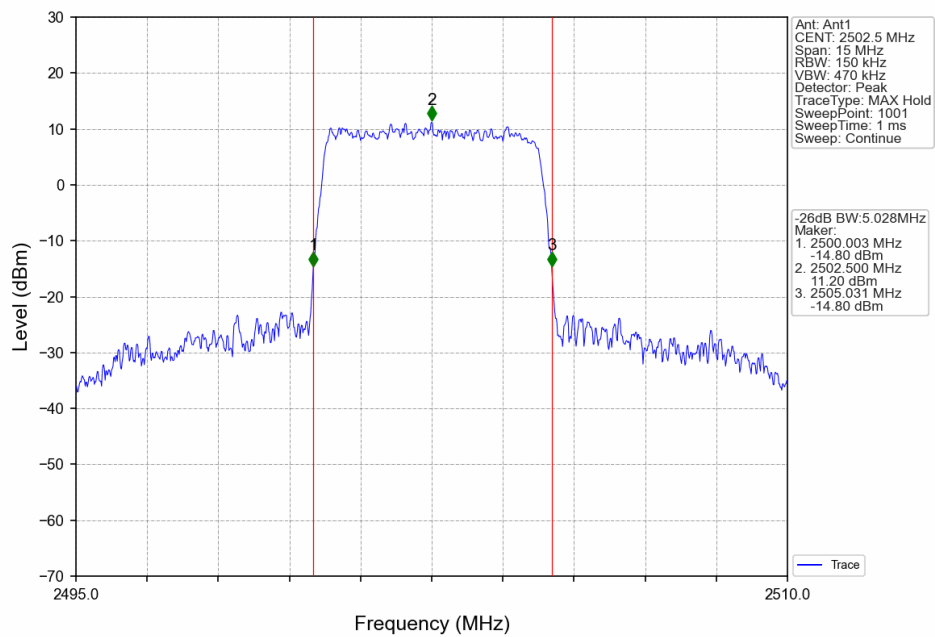
4.2.2 Band7_XDB



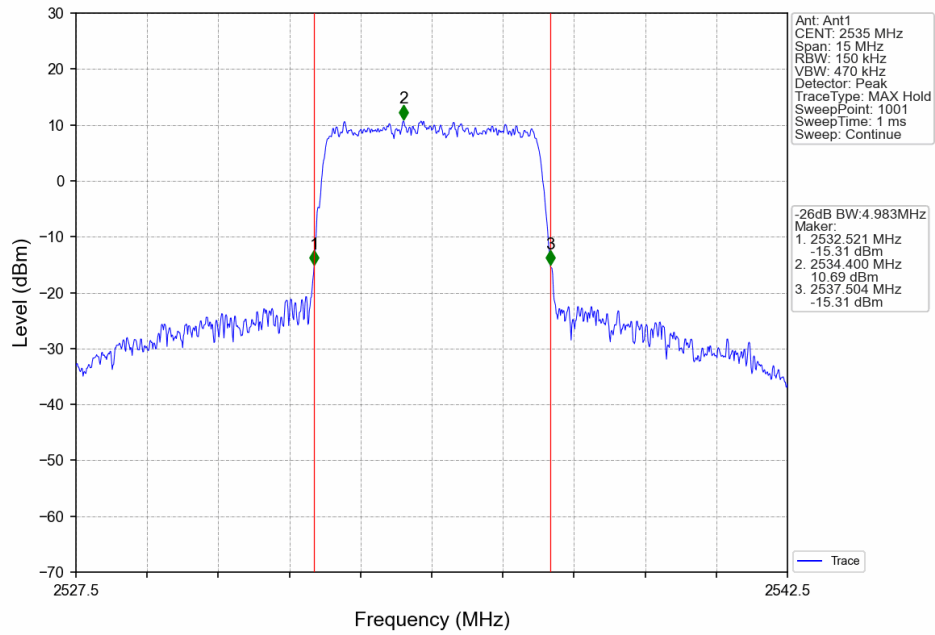
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



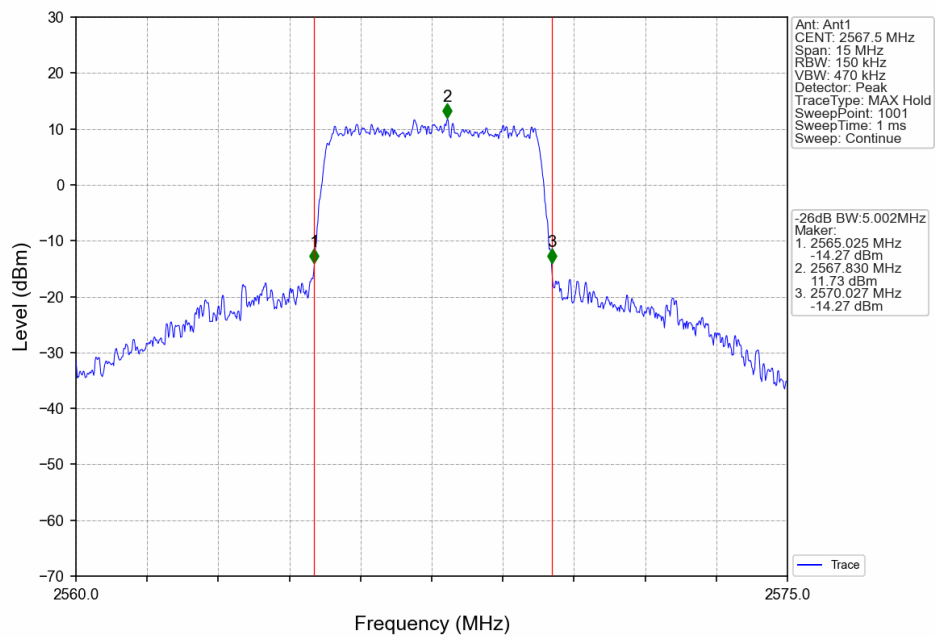
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



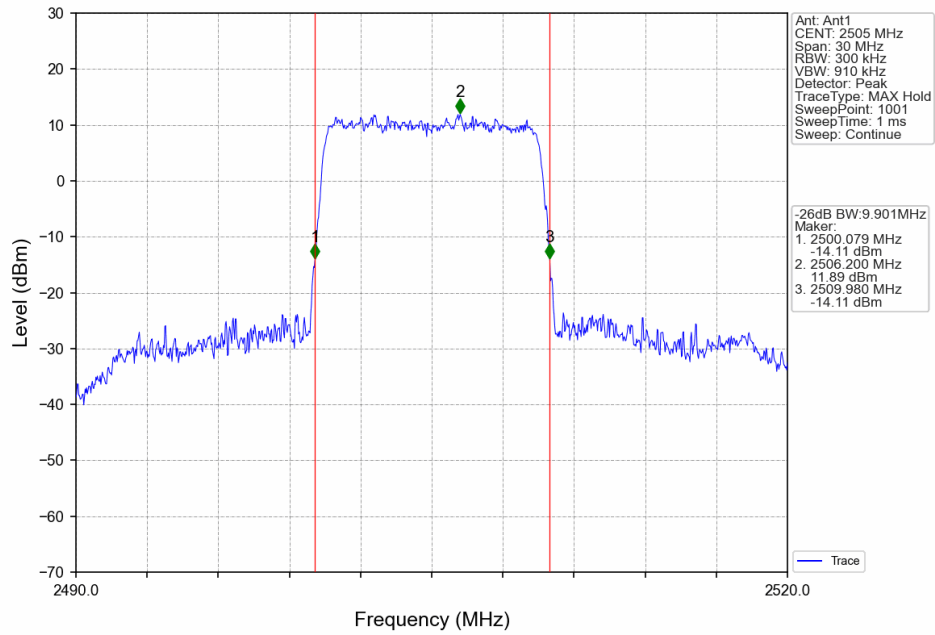
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



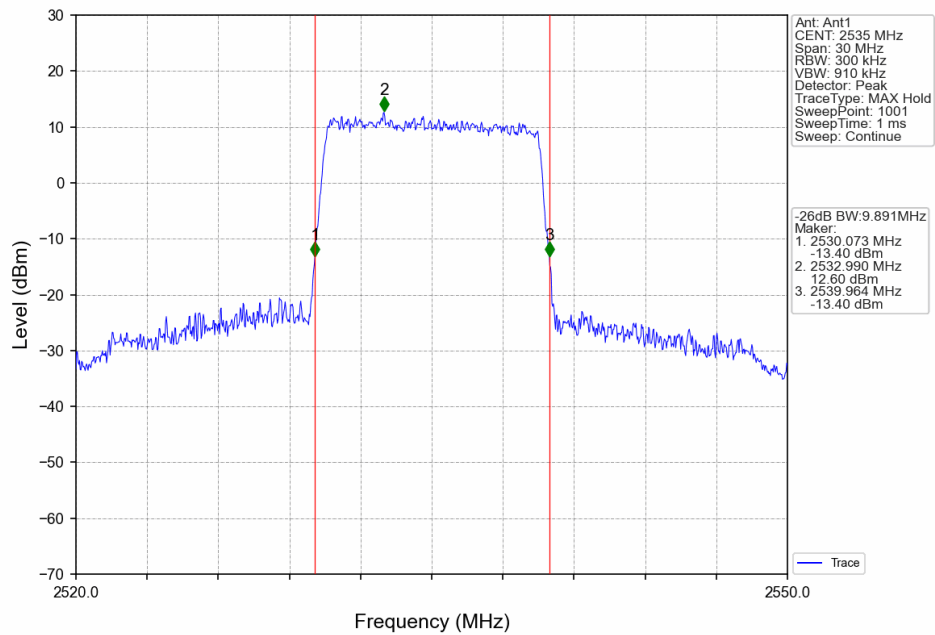
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



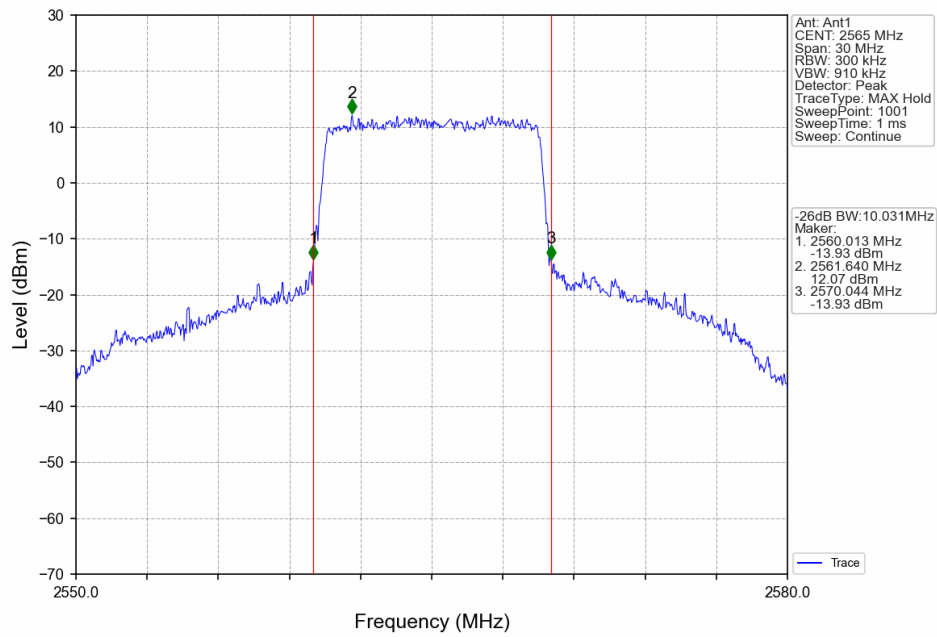
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



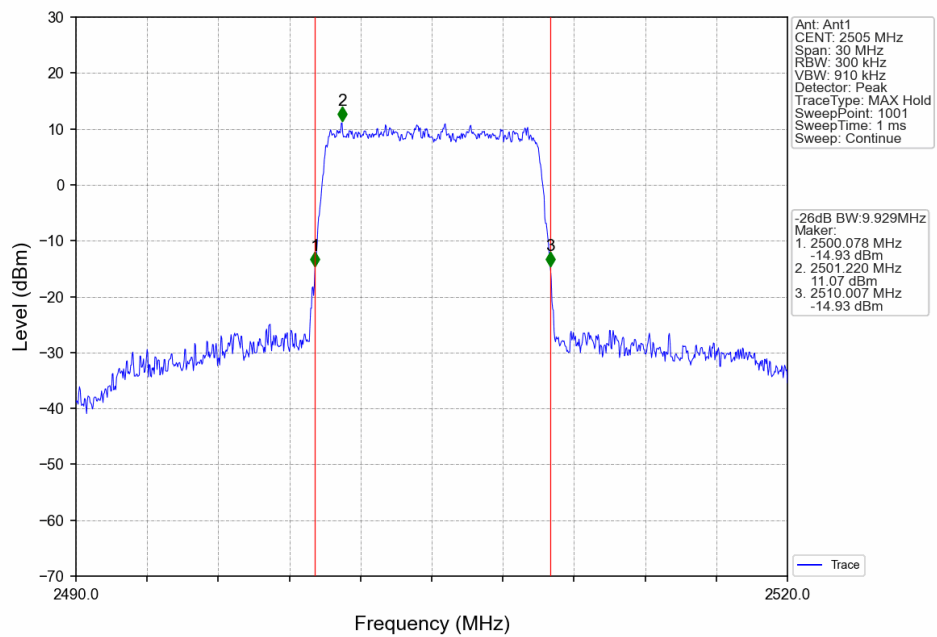
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



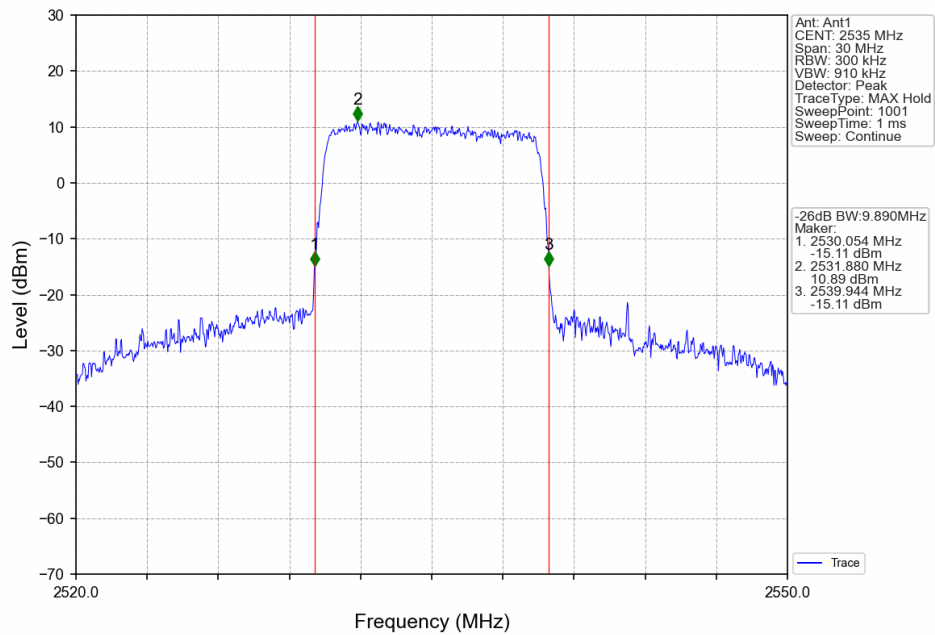
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



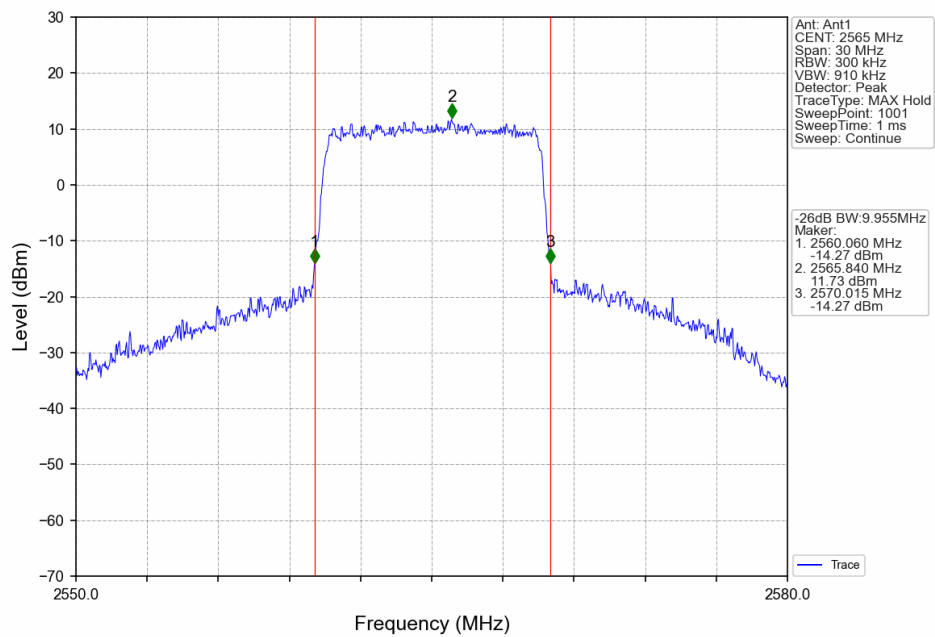
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



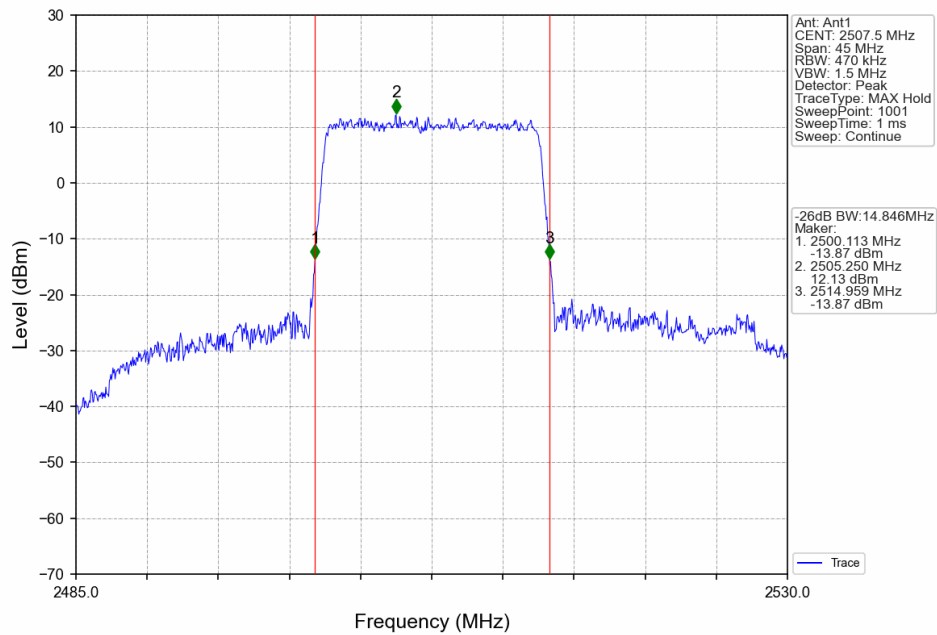
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



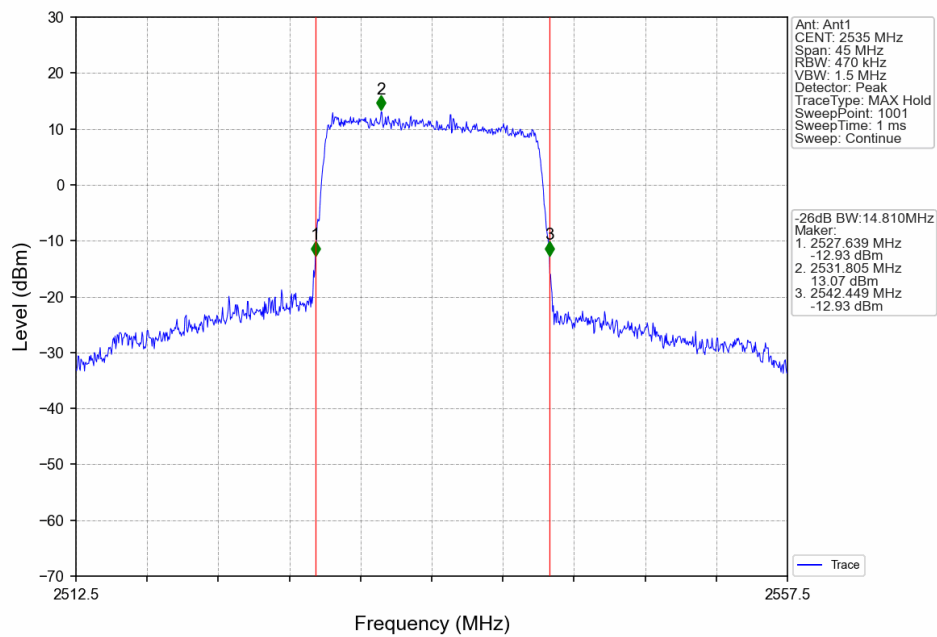
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



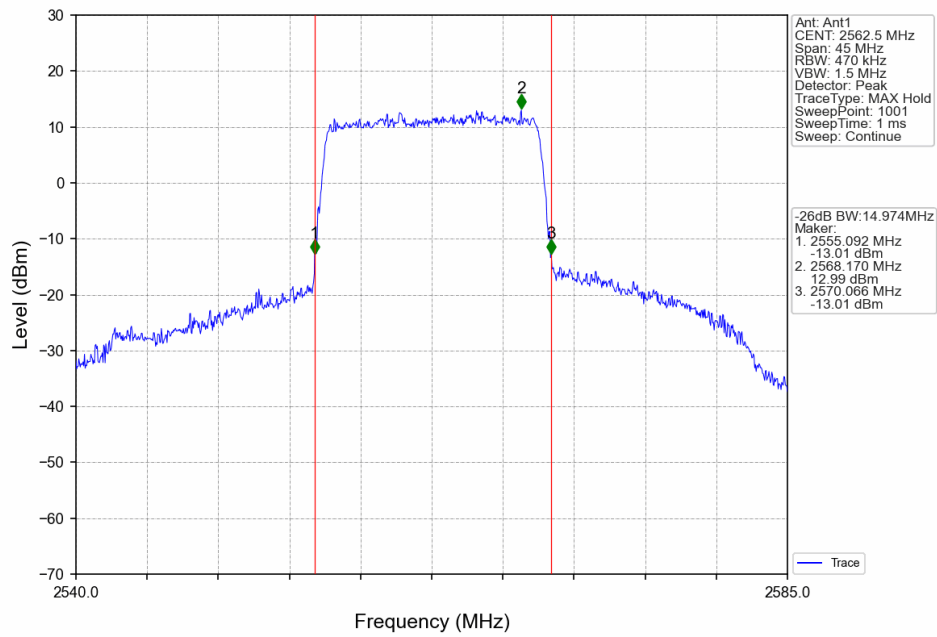
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



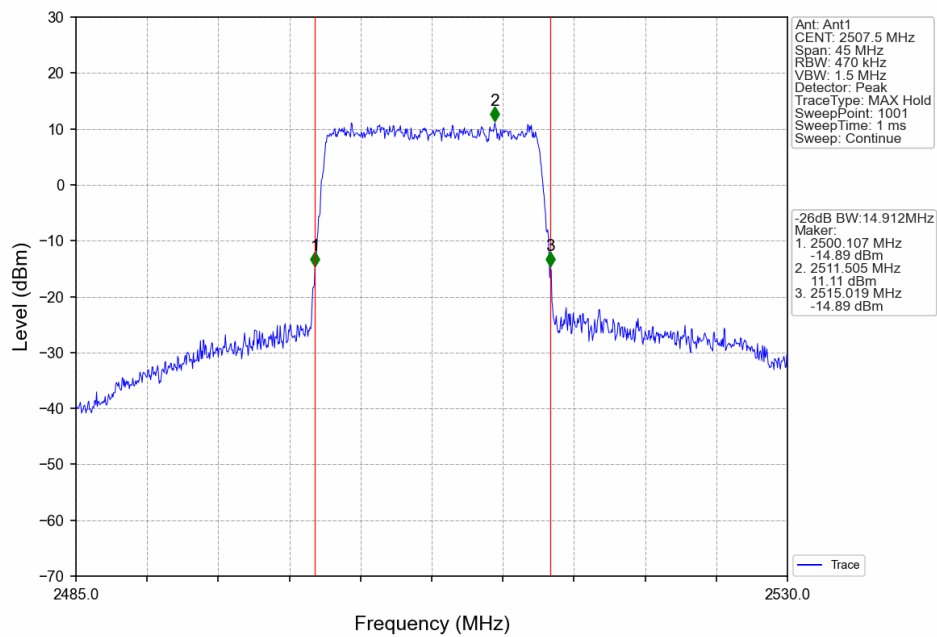
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



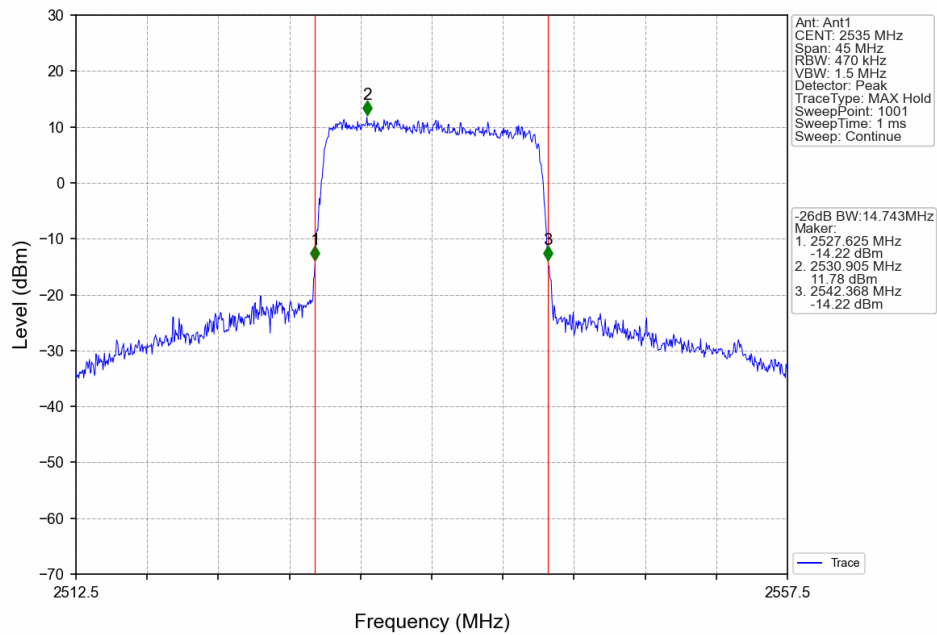
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



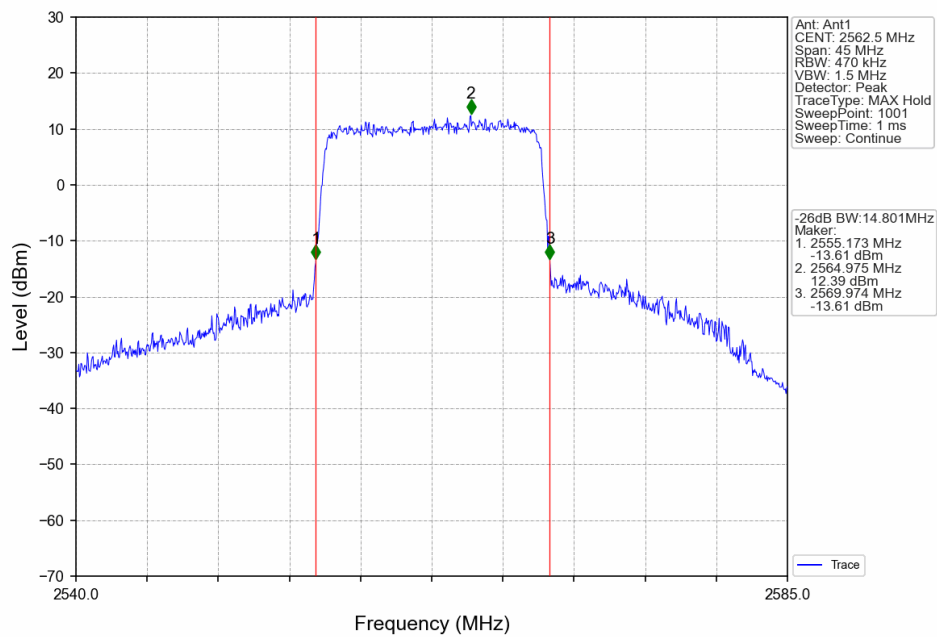
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



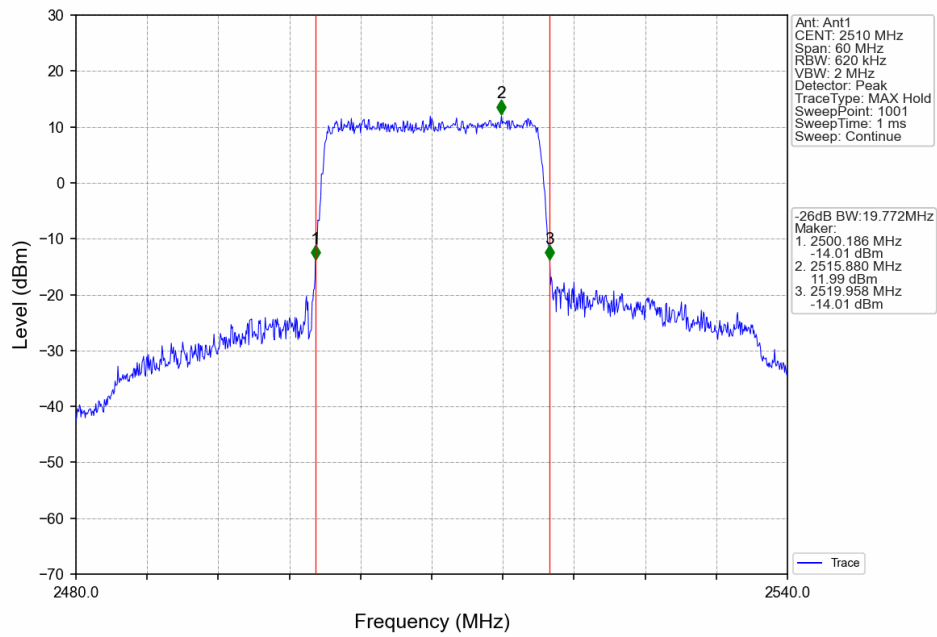
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



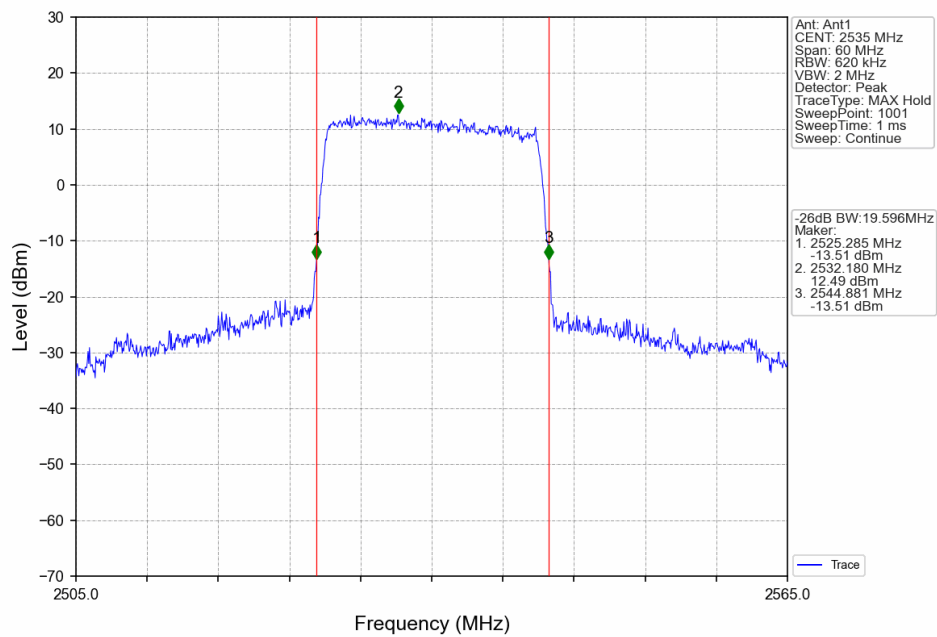
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



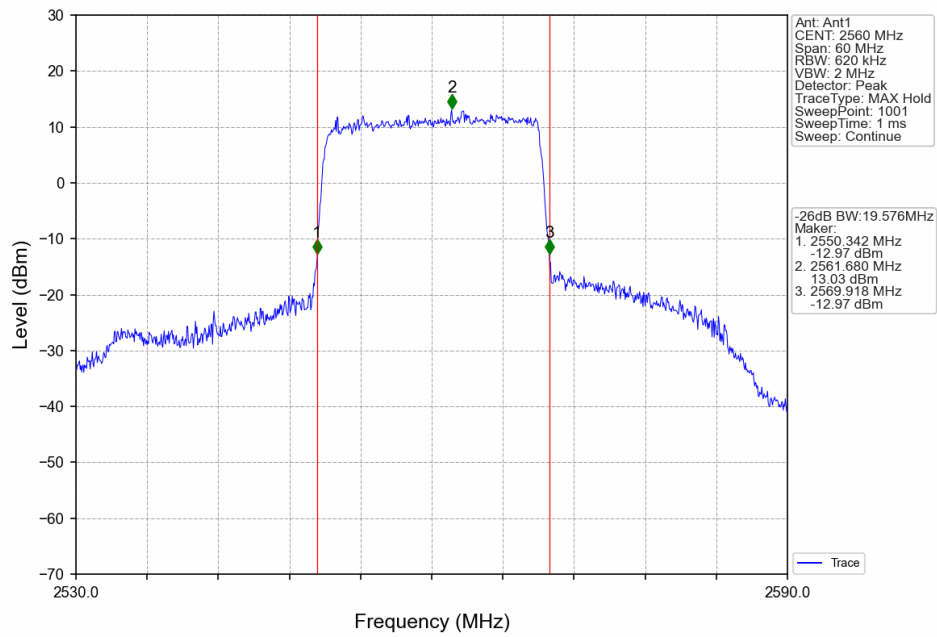
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



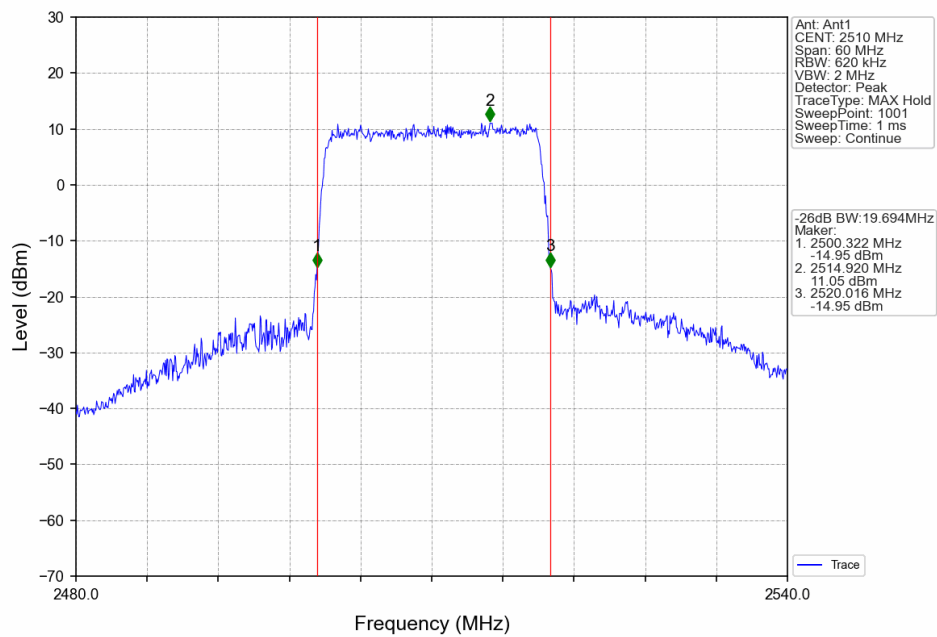
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



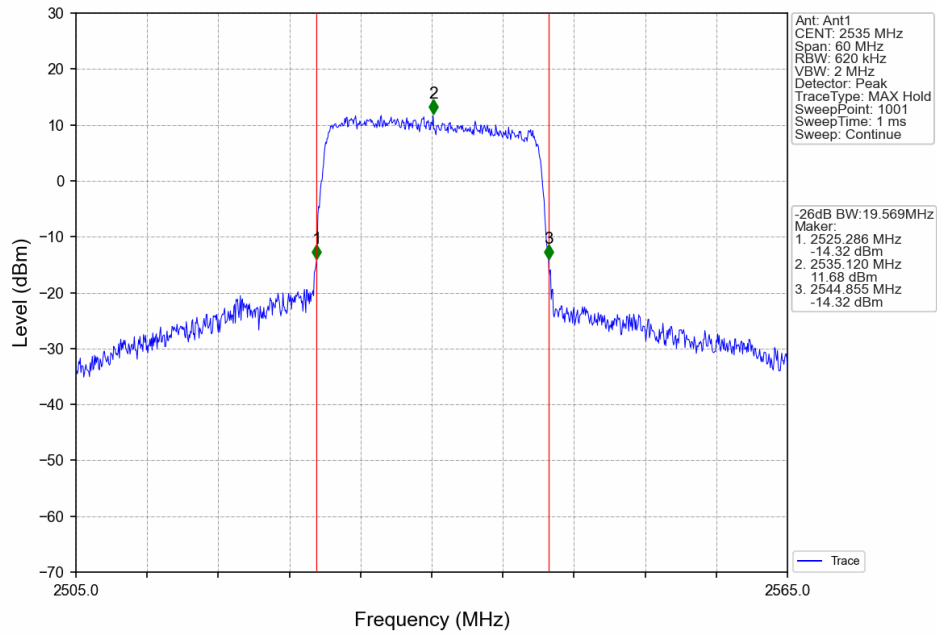
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



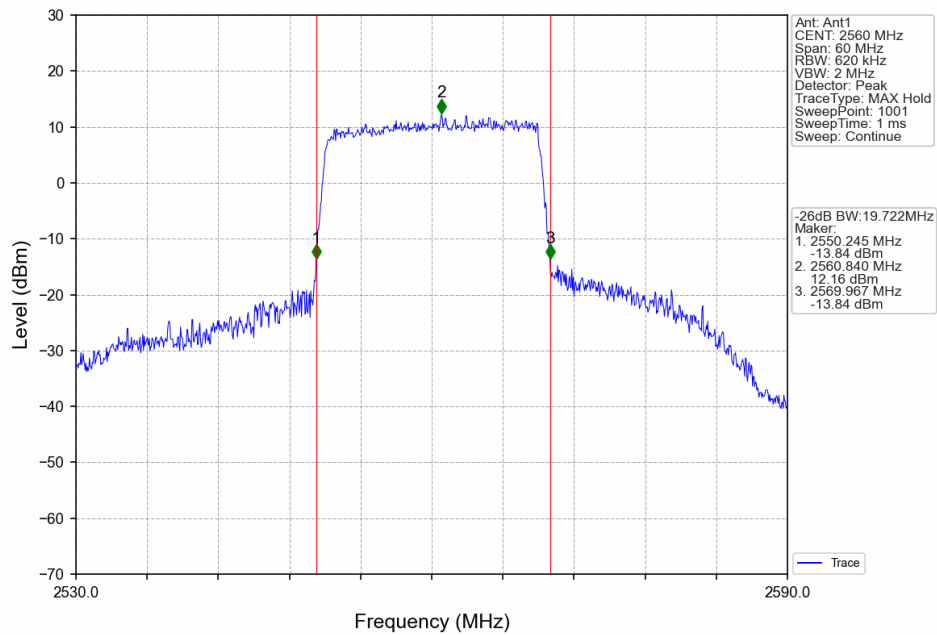
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.46	<=13	Pass
	2535	25	0	5.30	<=13	Pass
	2567.5	25	0	4.92	<=13	Pass
16QAM	2502.5	25	0	6.34	<=13	Pass
	2535	25	0	6.05	<=13	Pass
	2567.5	25	0	5.65	<=13	Pass

5.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	5.58	<=13	Pass
	2535	50	0	5.23	<=13	Pass
	2565	50	0	4.94	<=13	Pass
16QAM	2505	50	0	6.32	<=13	Pass
	2535	50	0	6.03	<=13	Pass
	2565	50	0	5.77	<=13	Pass

5.1.3 B7_15MHz

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.17	<=13	Pass
	2535	75	0	5.09	<=13	Pass
	2562.5	75	0	4.98	<=13	Pass
16QAM	2507.5	75	0	6.20	<=13	Pass
	2535	75	0	6.10	<=13	Pass
	2562.5	75	0	5.97	<=13	Pass

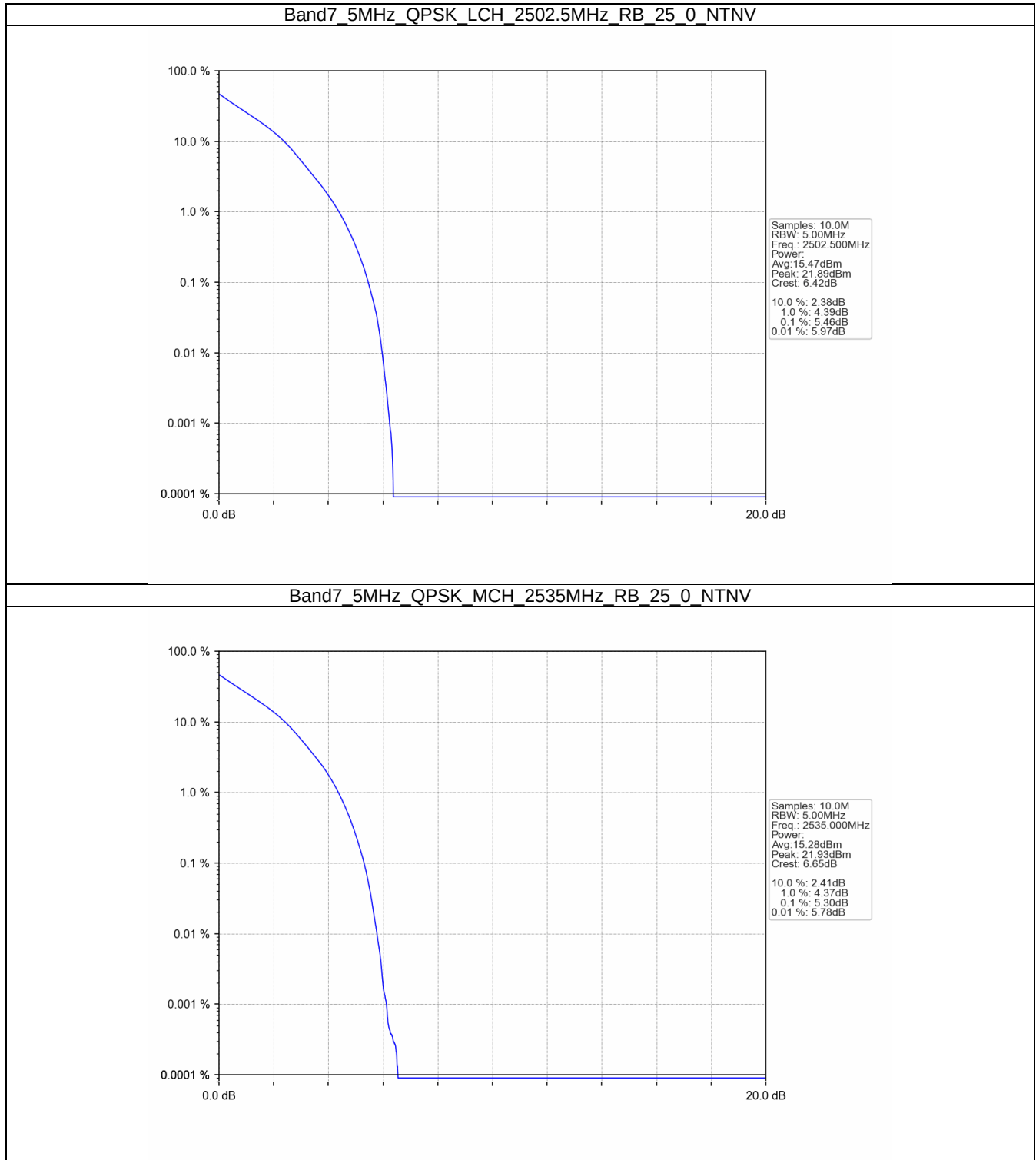
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.68	<=13	Pass
	2535	100	0	5.61	<=13	Pass
	2560	100	0	5.65	<=13	Pass
16QAM	2510	100	0	6.59	<=13	Pass
	2535	100	0	6.62	<=13	Pass
	2560	100	0	6.57	<=13	Pass

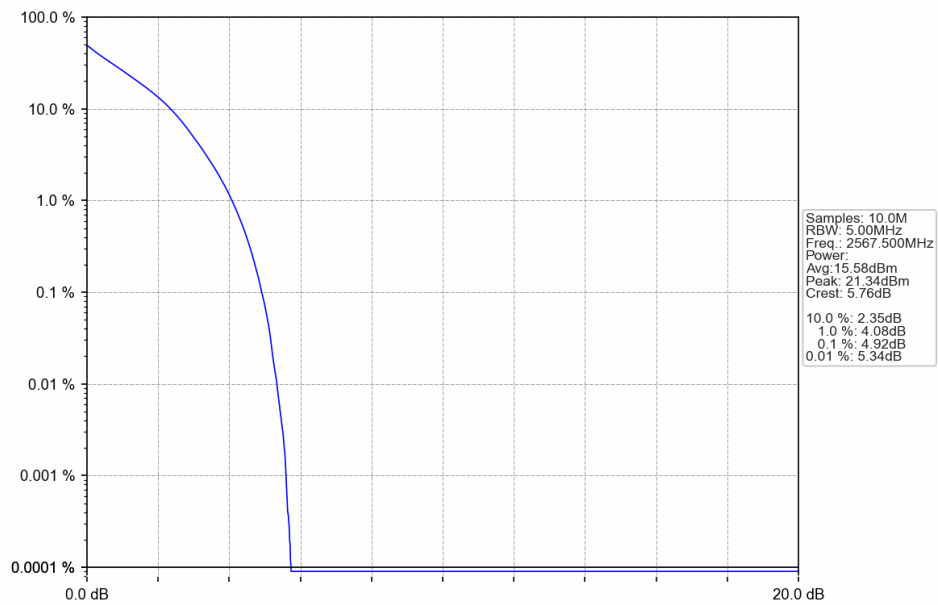


5.2 Test Graph

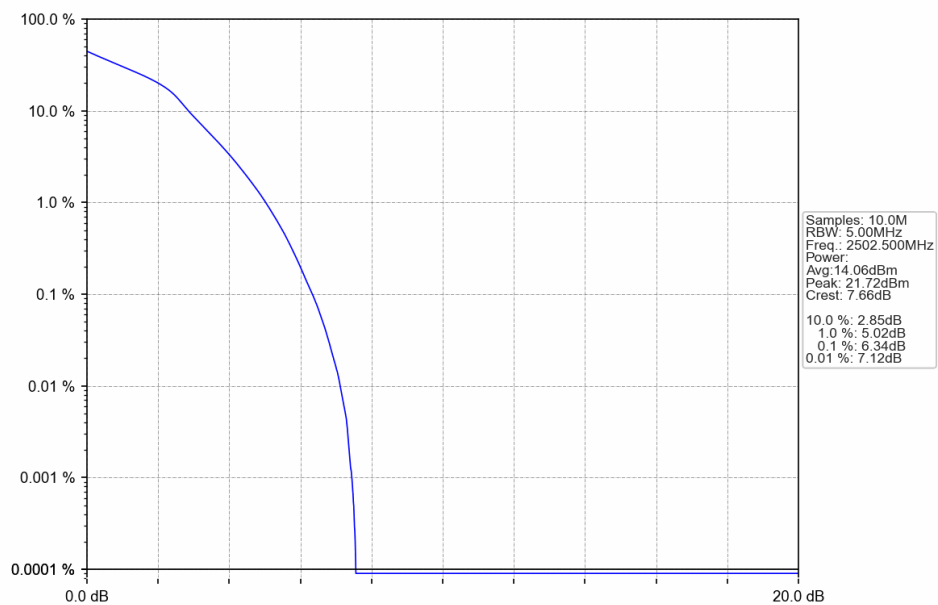
5.2.1 B7_5MHz



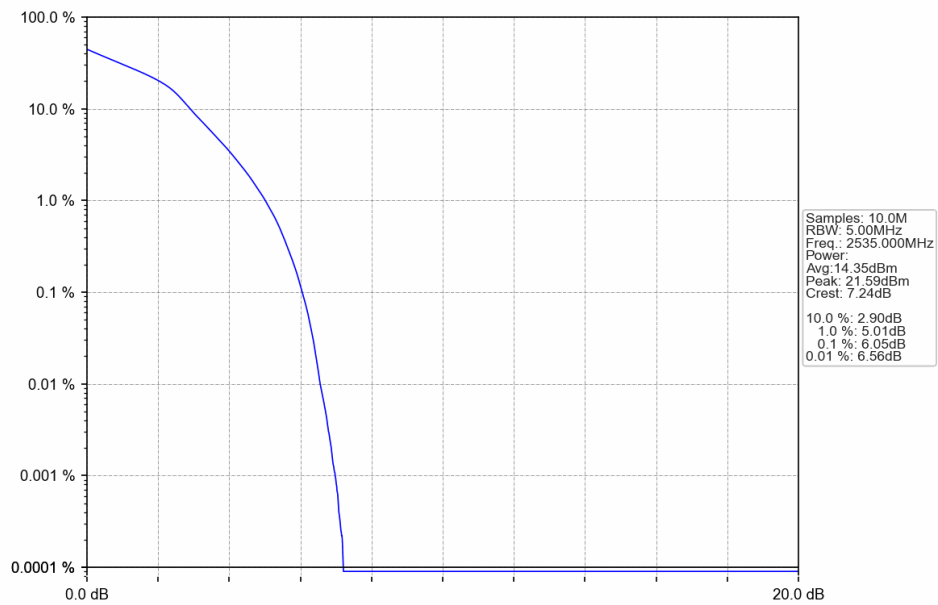
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



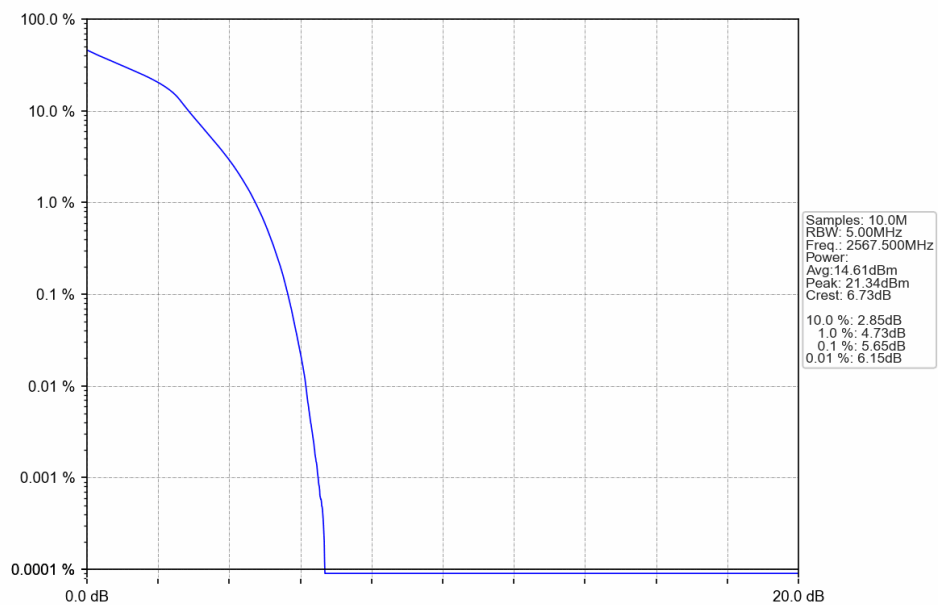
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

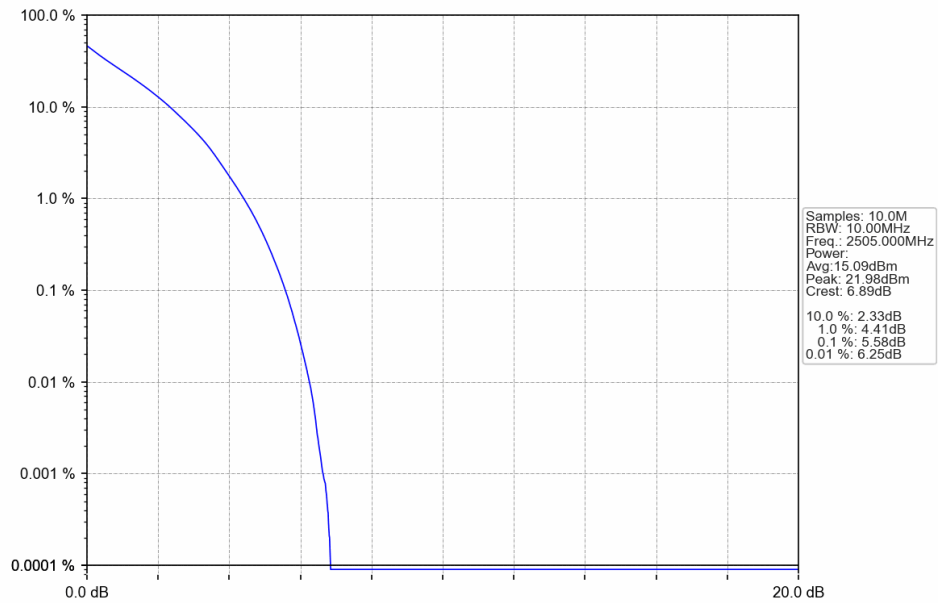


Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV

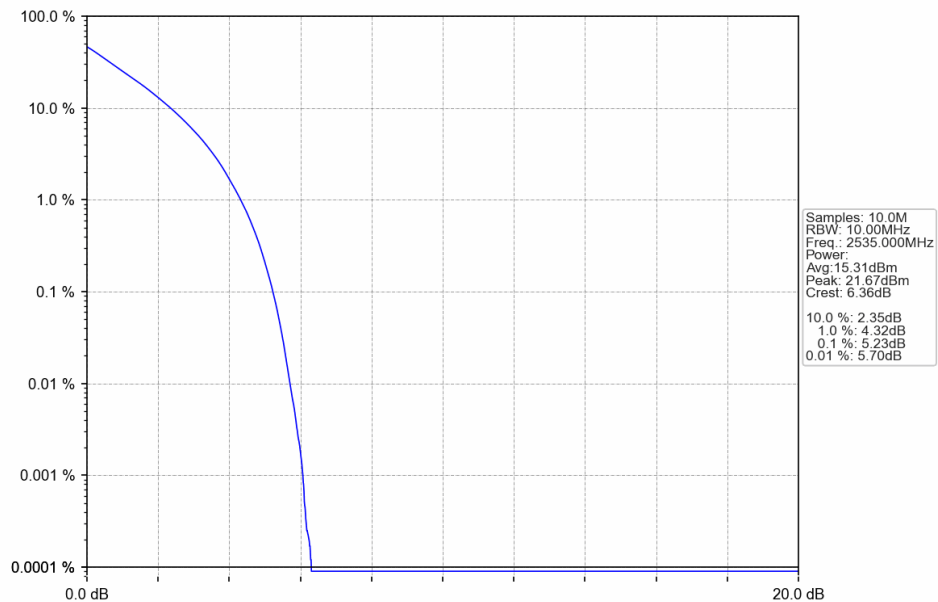


5.2.2 B7_10MHz

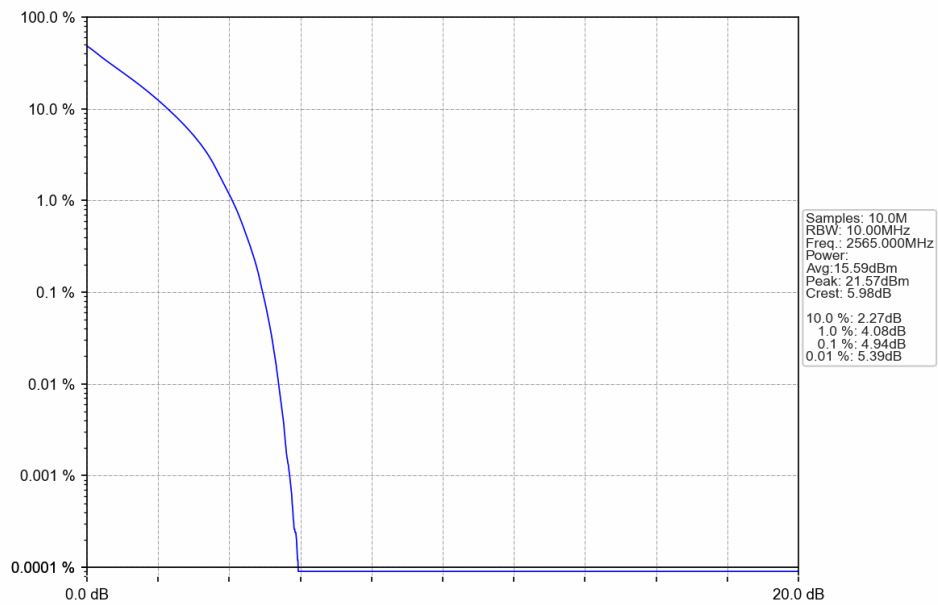
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



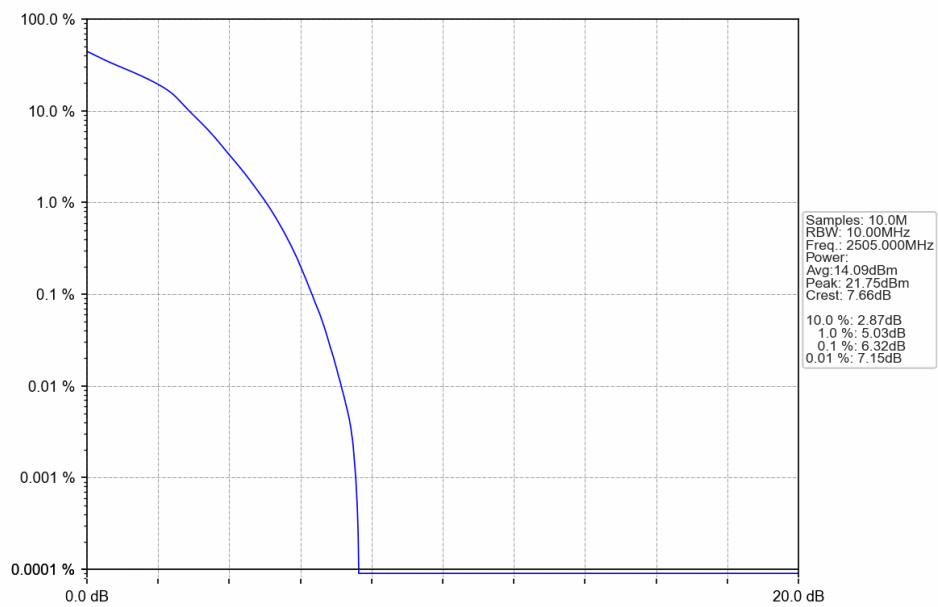
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



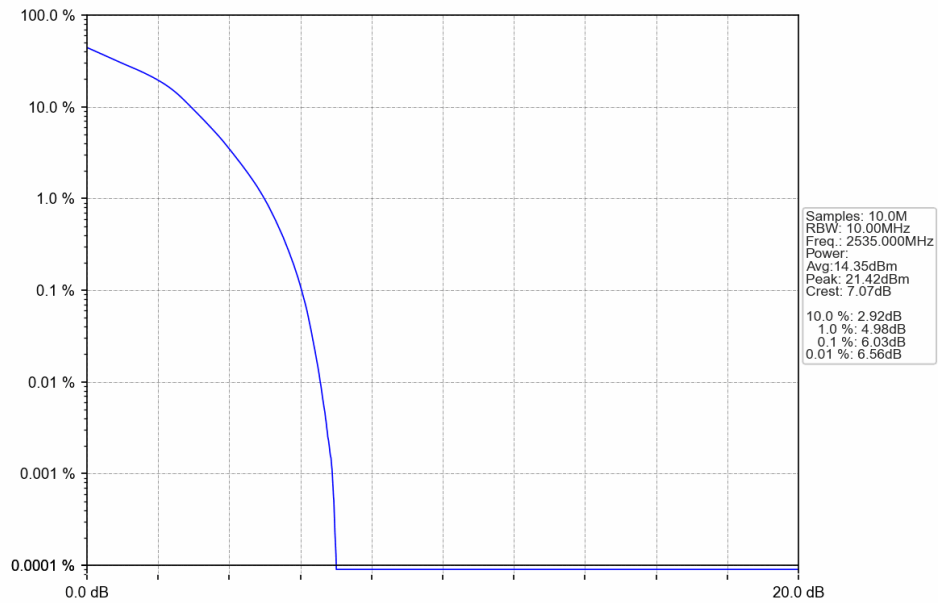
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



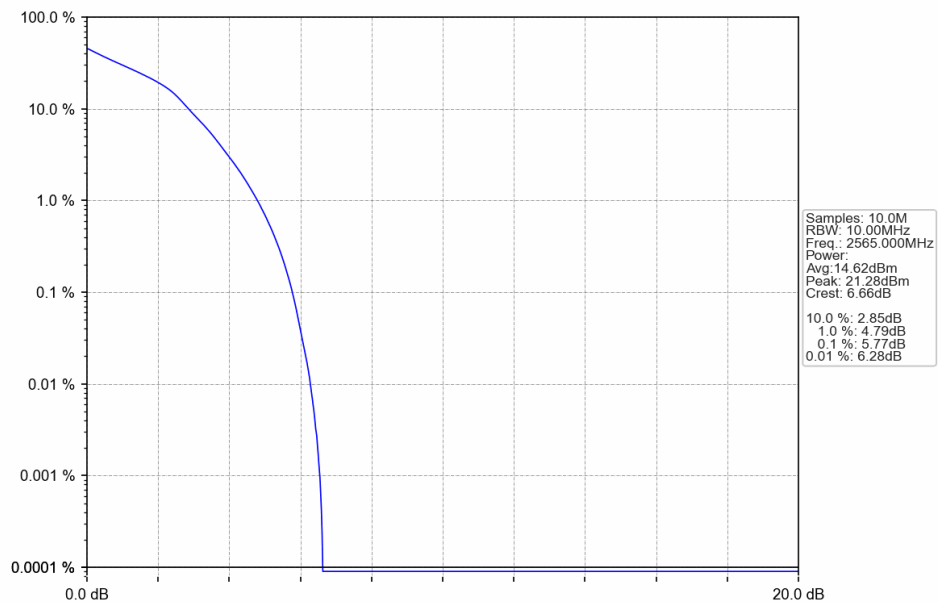
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



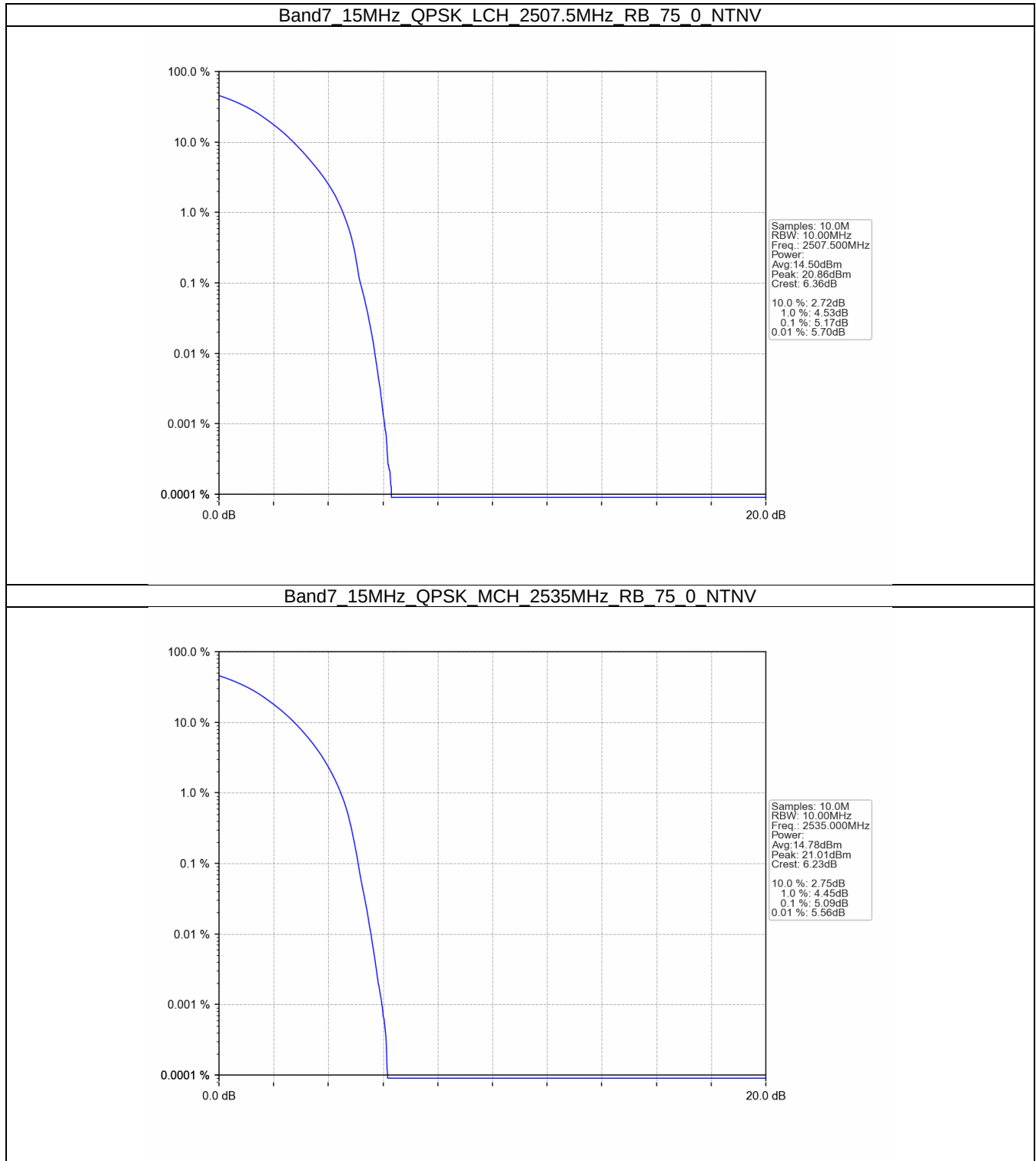
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



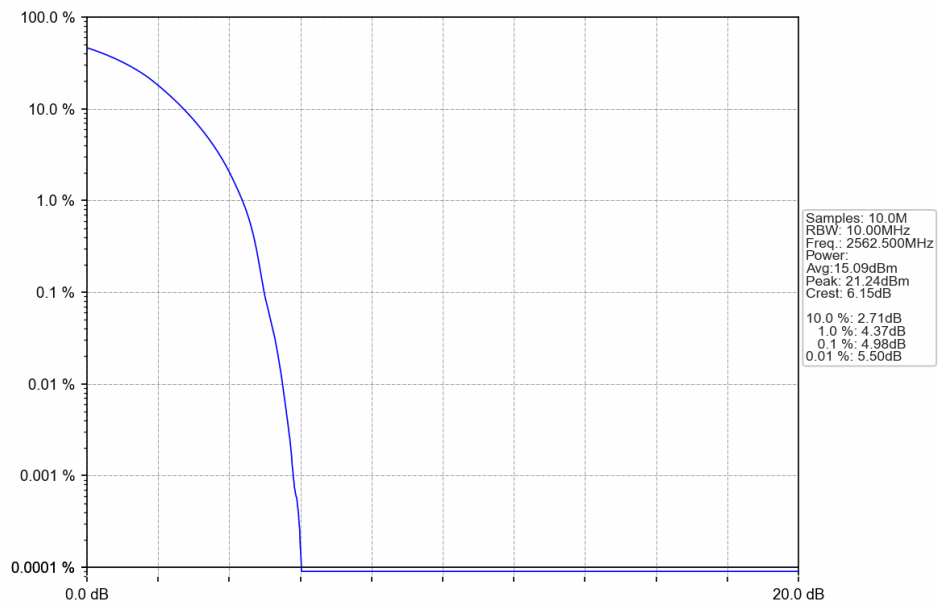
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



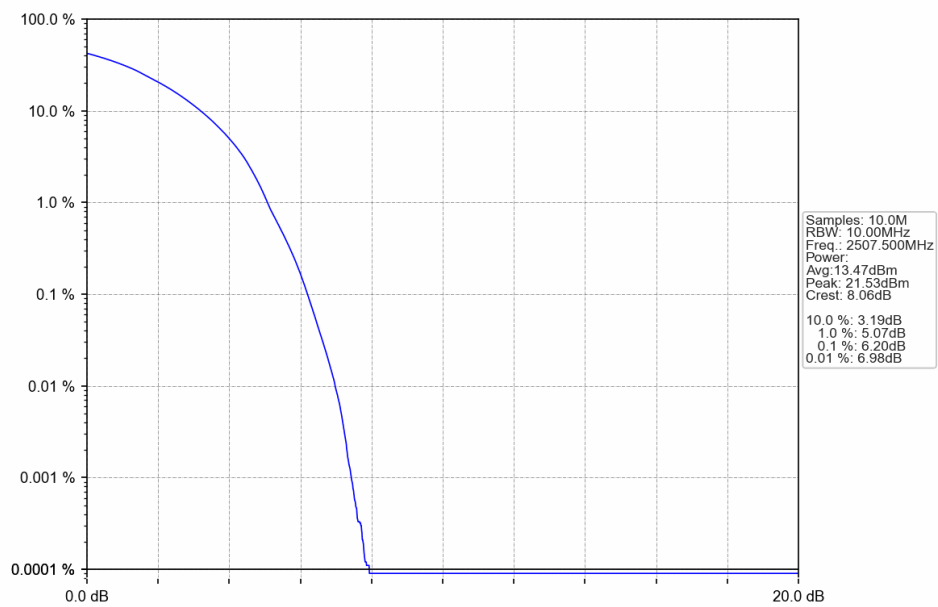
5.2.3 B7_15MHz



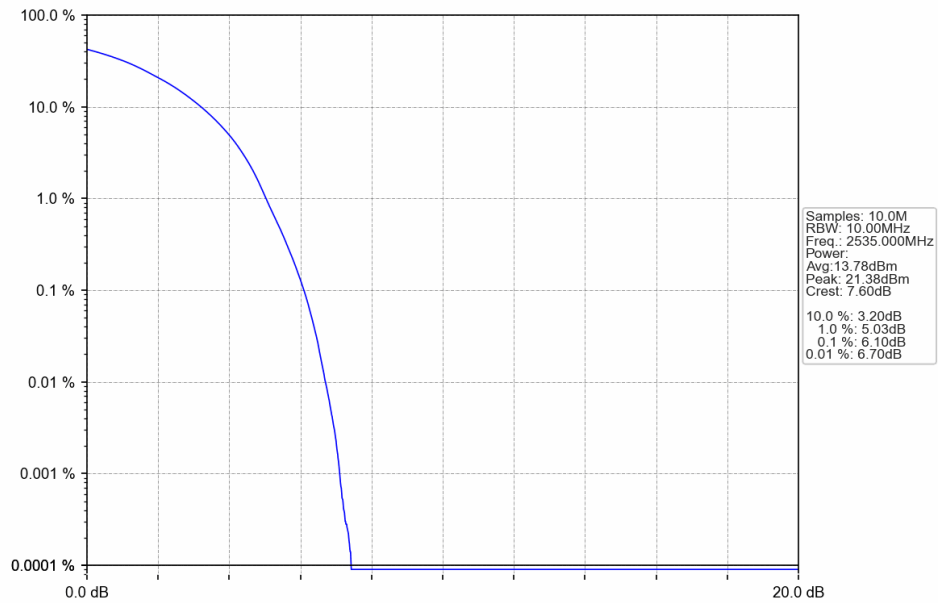
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



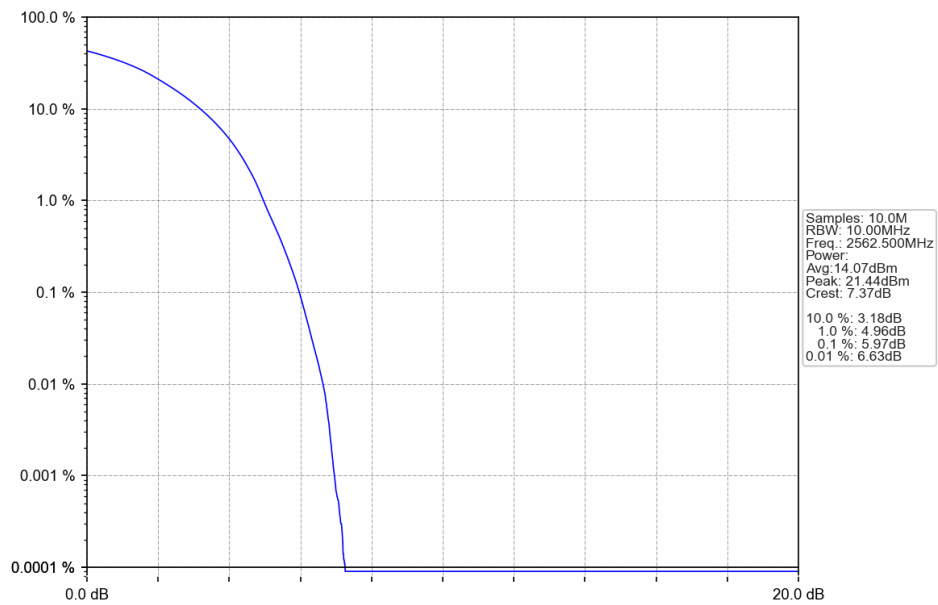
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



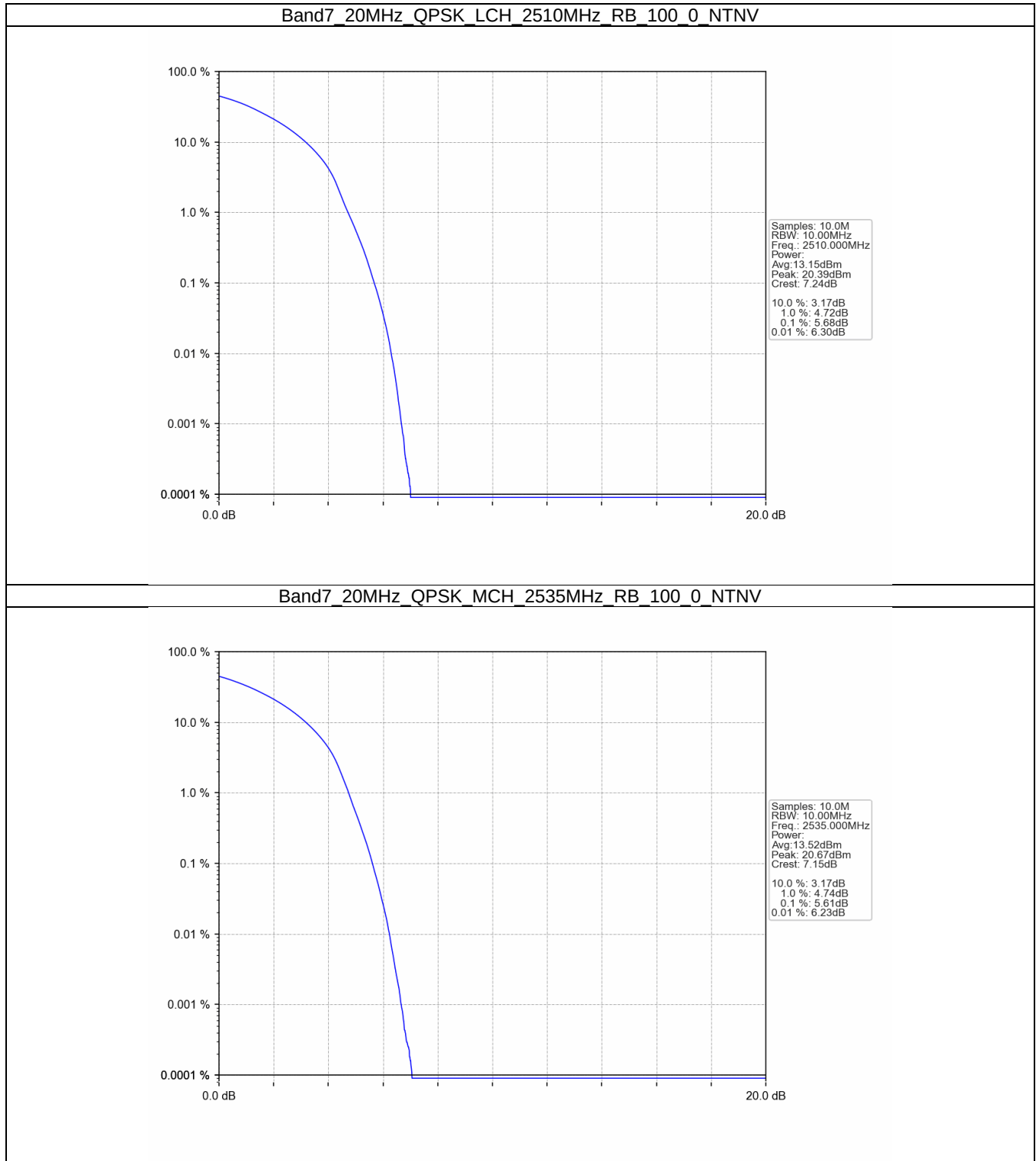
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



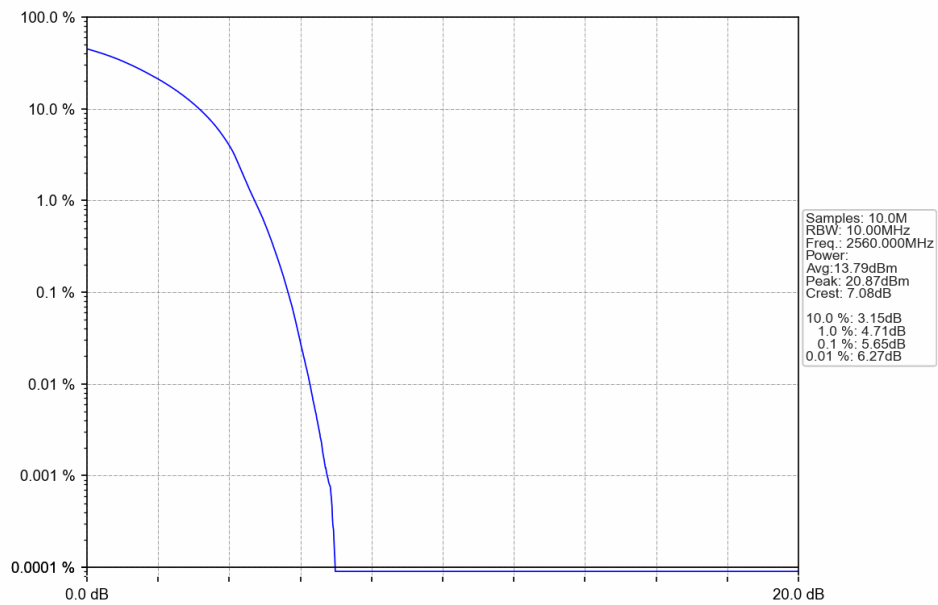
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



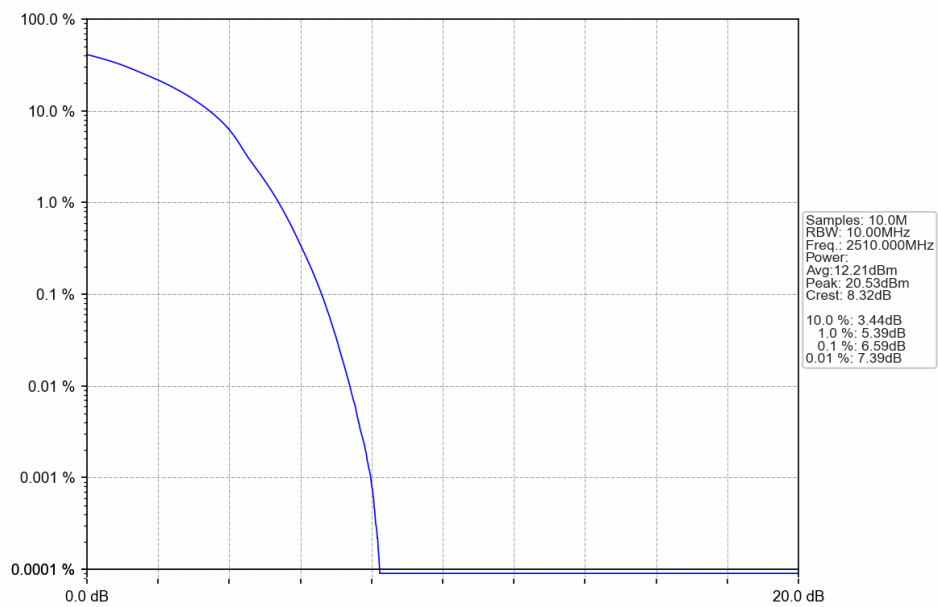
5.2.4 B7_20MHz



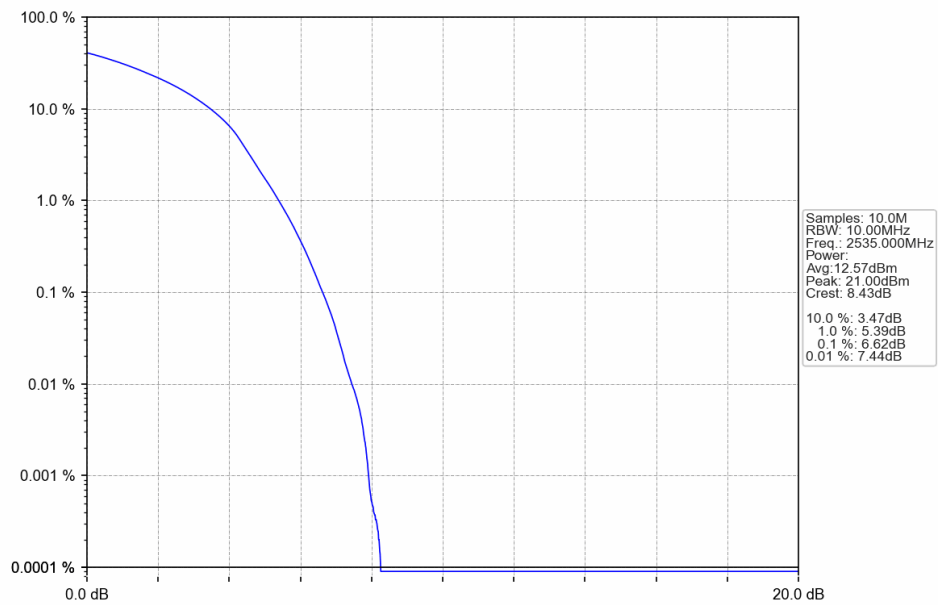
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



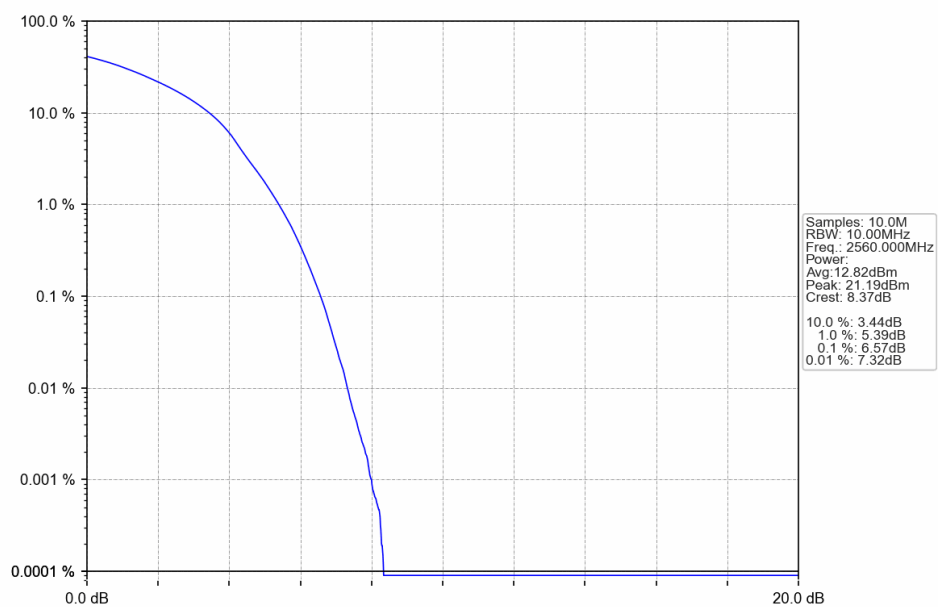
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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



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



6. Spurious Emission

6.1 Test Result

6.1.1 B7_5MHz

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
	2567.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	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
	2567.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2505	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2565	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	2505	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2565	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 B7_15MHz

Band: 7 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2507.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2562.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	2507.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

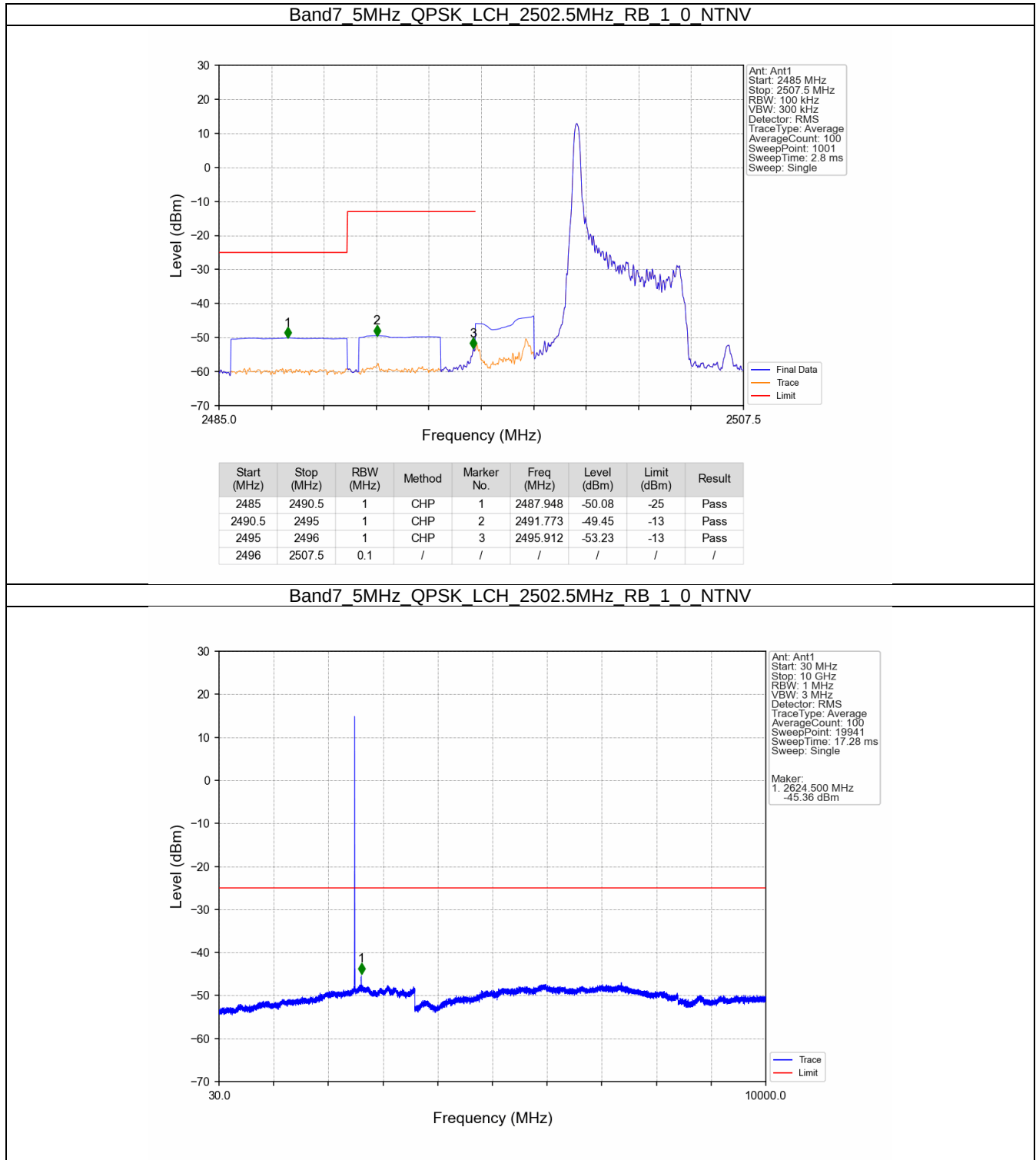
	2535	1	0	Refer To Test Graph	Pass
	2562.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B7_20MHz

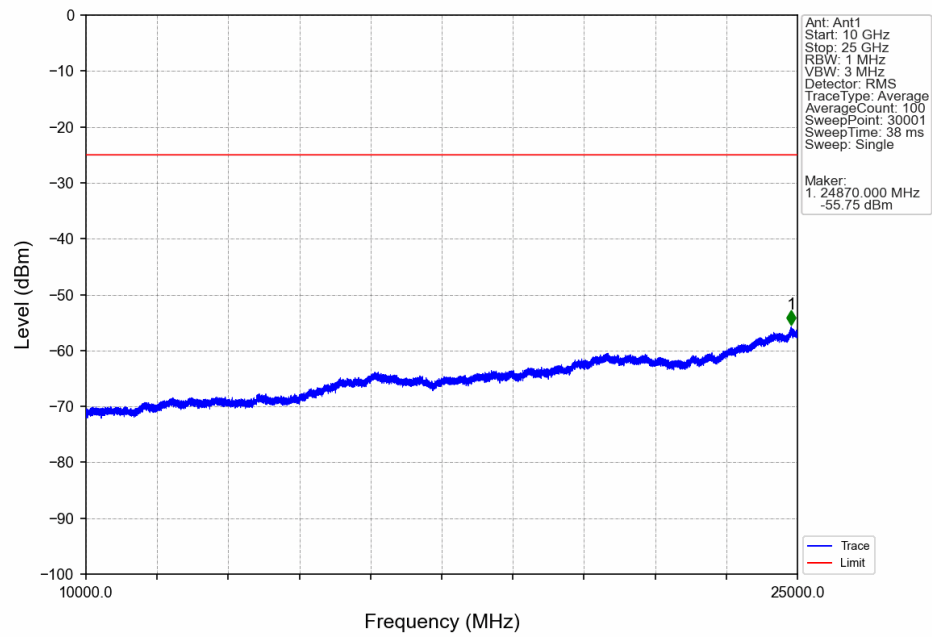
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.2 Test Graph

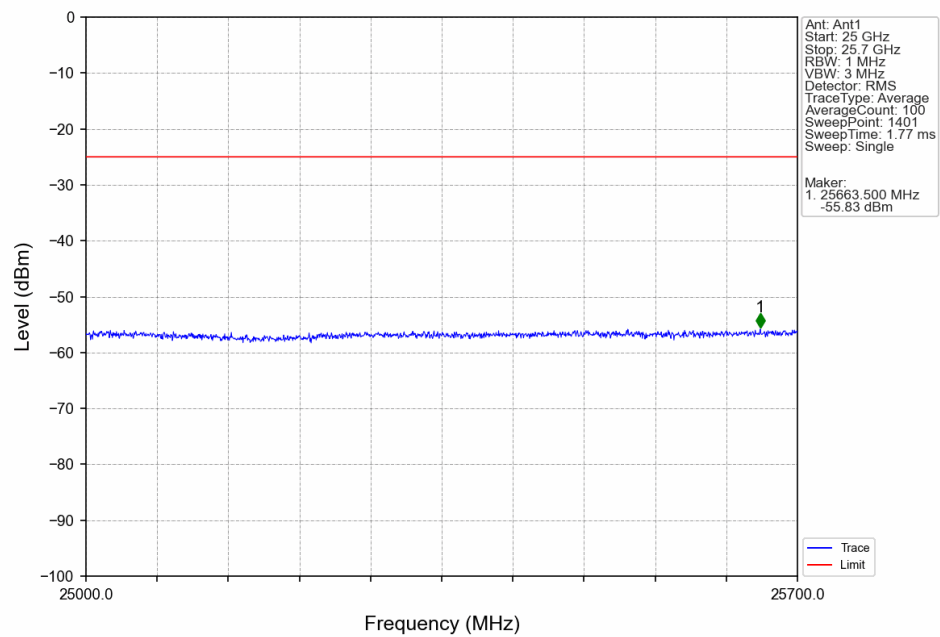
6.2.1 B7_5MHz



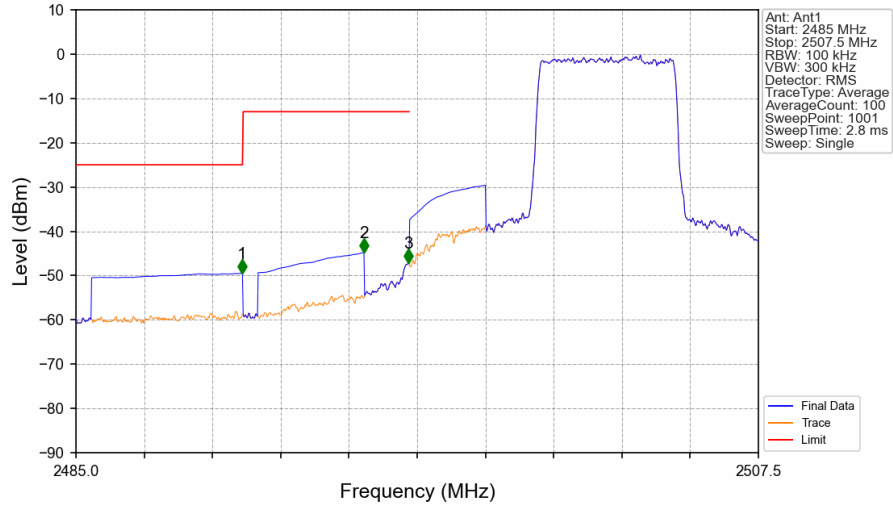
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

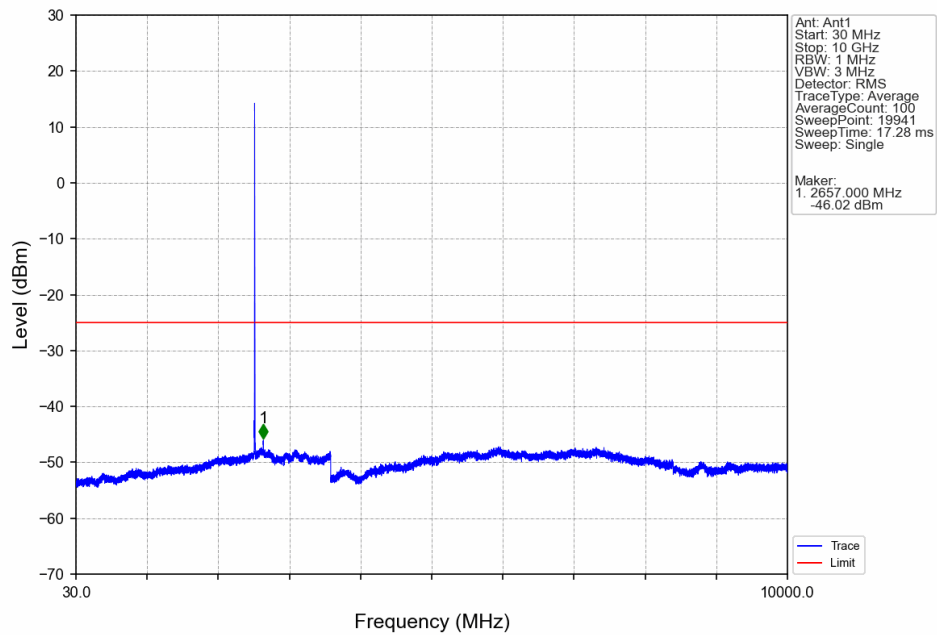


Band7 5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

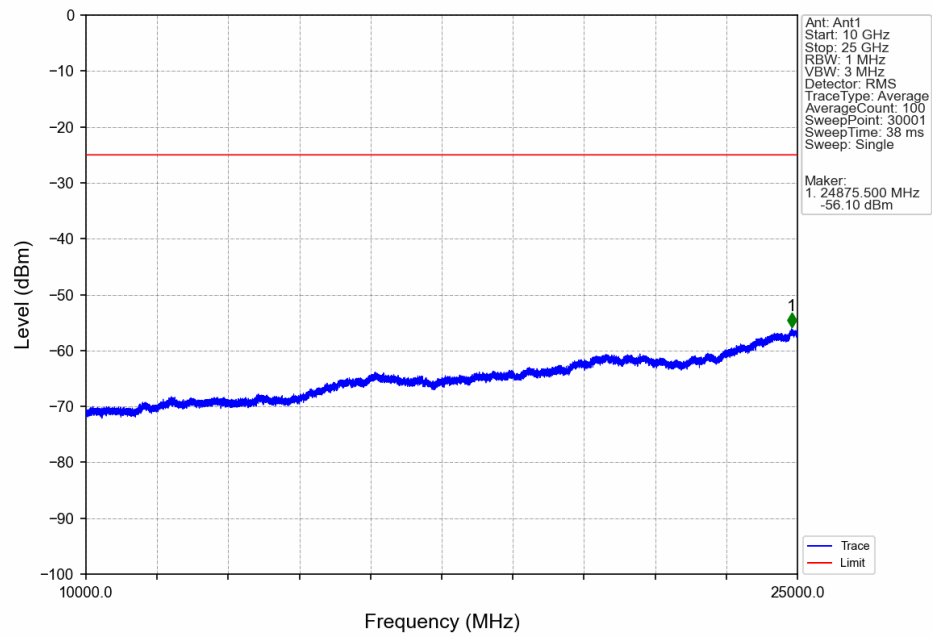


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.468	-49.48	-25	Pass
2490.5	2495	1	CHP	2	2494.495	-44.71	-13	Pass
2495	2496	1	CHP	3	2495.957	-47.15	-13	Pass
2496	2507.5	0.1	/	/	/	/	/	/

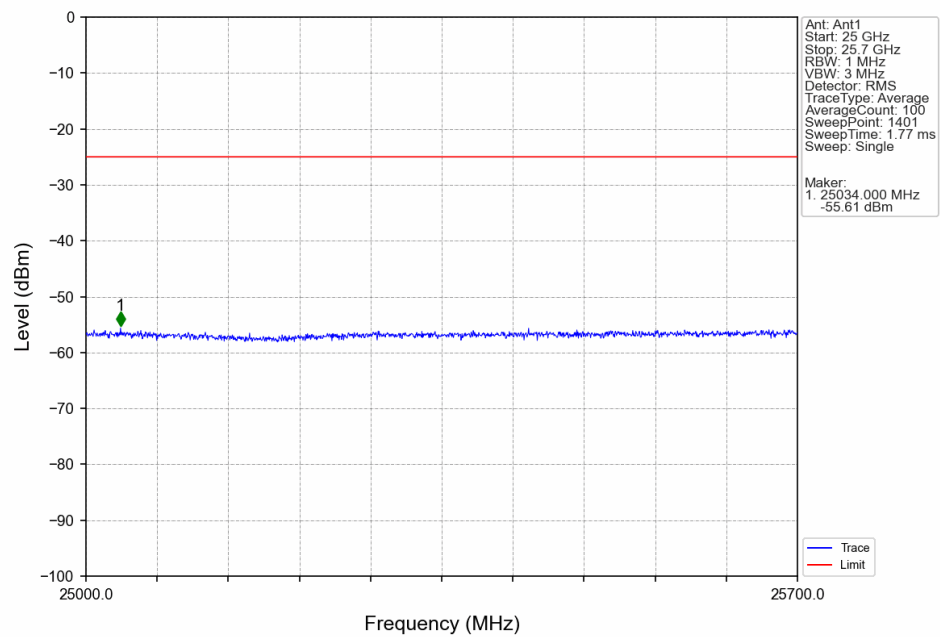
Band7 5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



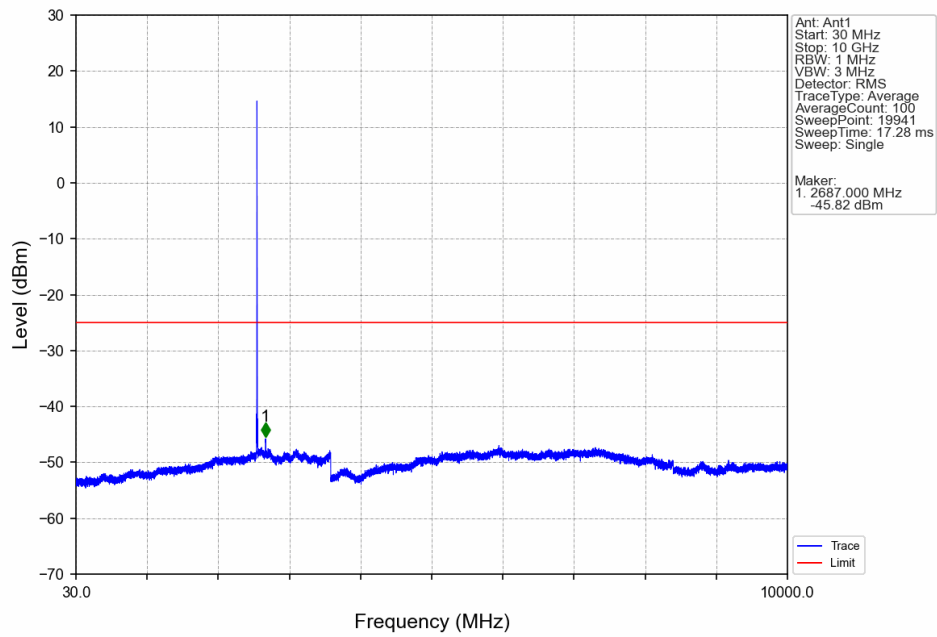
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



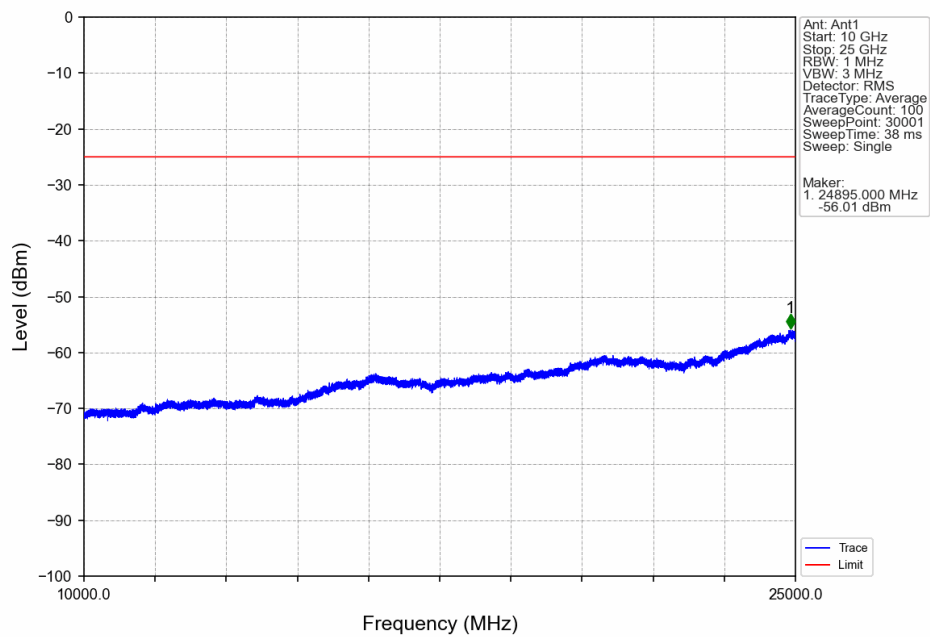
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



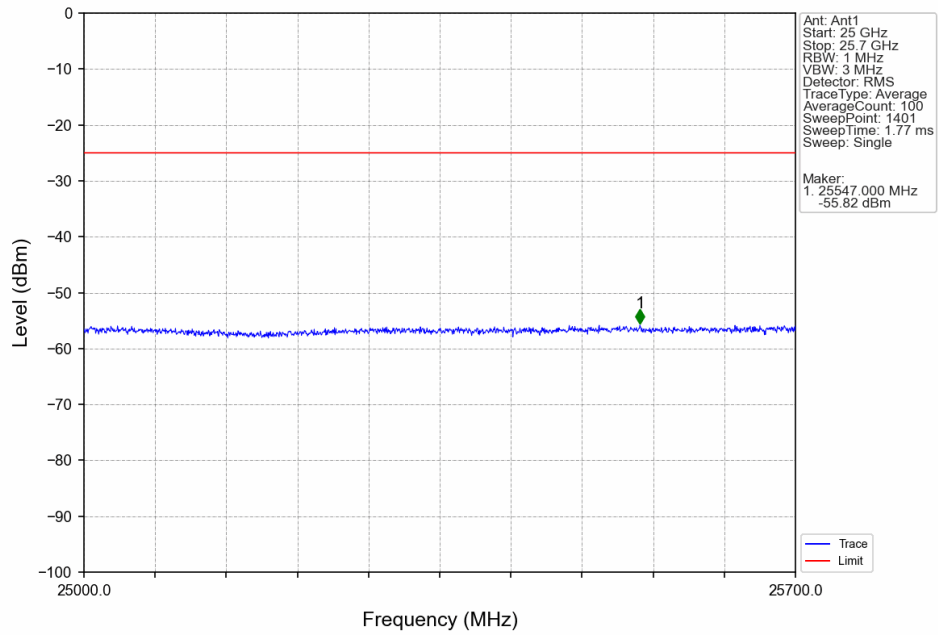
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



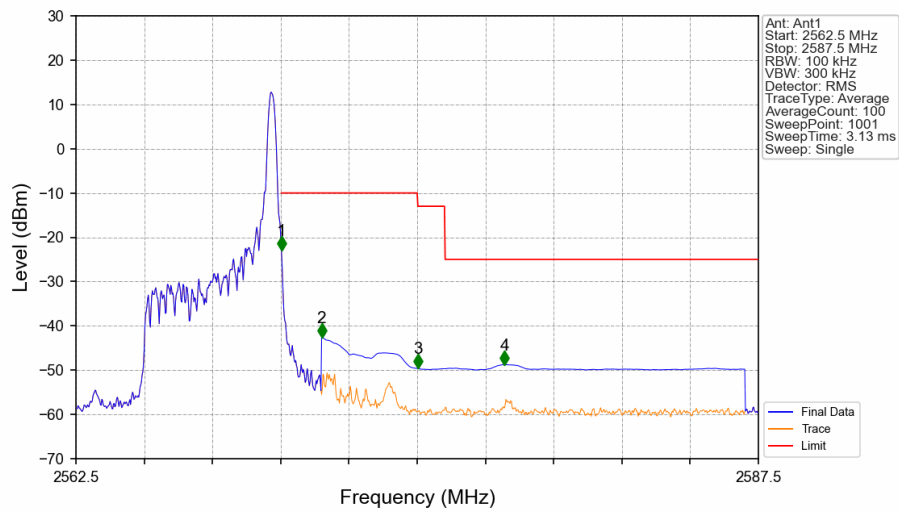
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

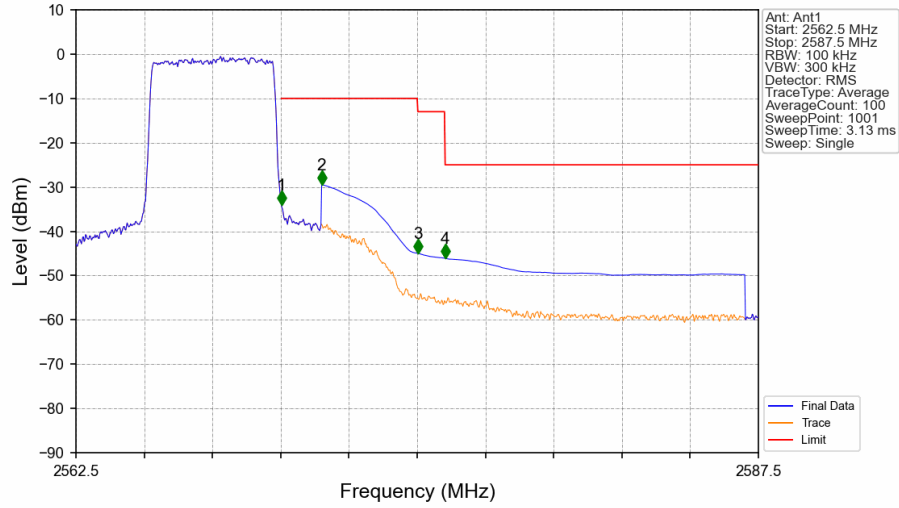


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



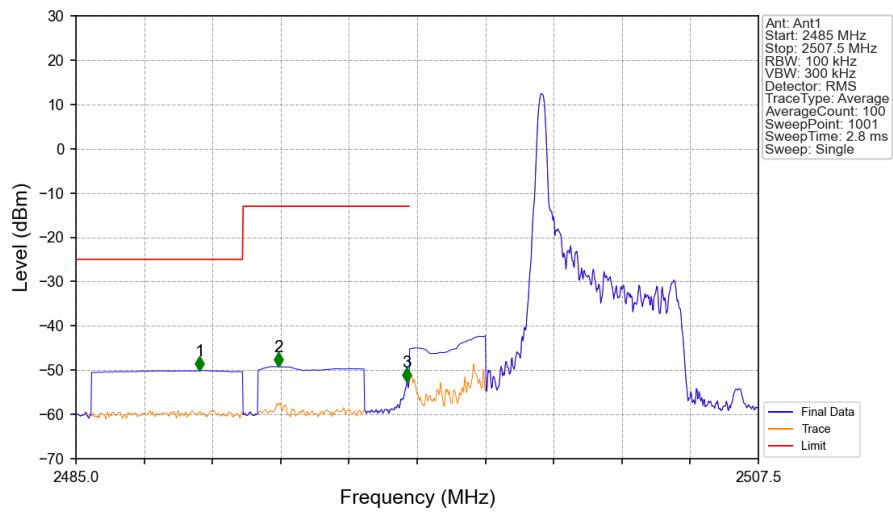
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.025	-22.88	-10	Pass
2571	2575	1	CHP	2	2571.500	-42.65	-10	Pass
2575	2576	1	CHP	3	2575.025	-49.63	-13	Pass
2576	2587.5	1	CHP	4	2578.200	-48.76	-25	Pass

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



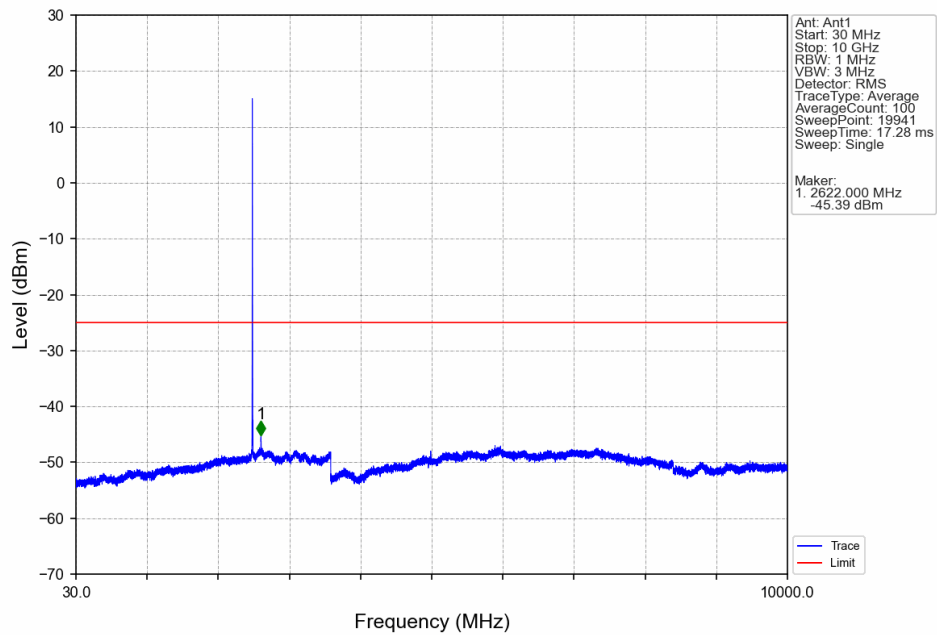
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.025	-34.08	-10	Pass
2571	2575	1	CHP	2	2571.500	-29.45	-10	Pass
2575	2576	1	CHP	3	2575.025	-44.97	-13	Pass
2576	2587.5	1	CHP	4	2576.025	-46.11	-25	Pass

Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV

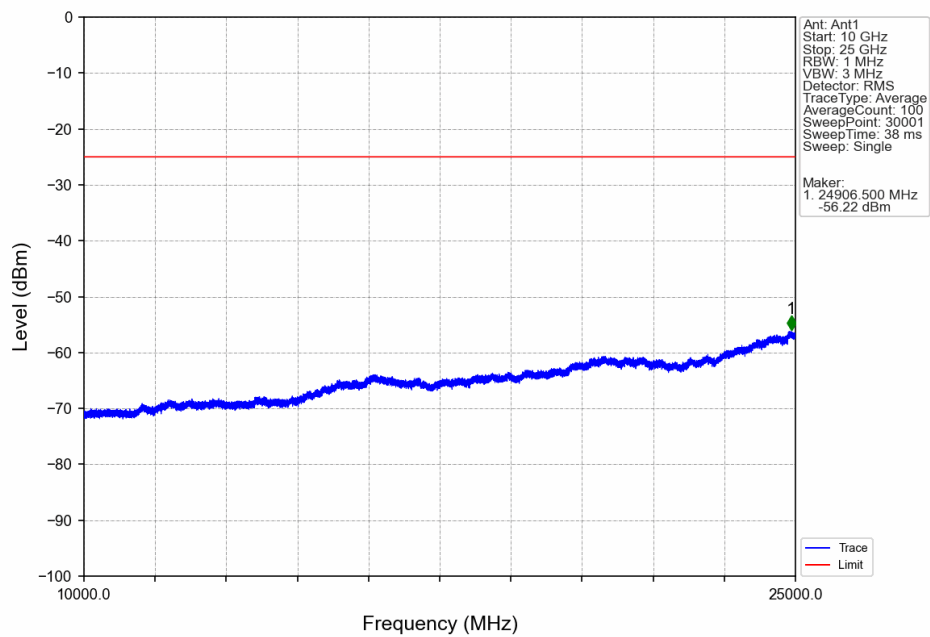


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.073	-50.08	-25	Pass
2490.5	2495	1	CHP	2	2491.682	-49.18	-13	Pass
2495	2496	1	CHP	3	2495.912	-52.62	-13	Pass
2496	2507.5	0.1	/	/	/	/	/	/

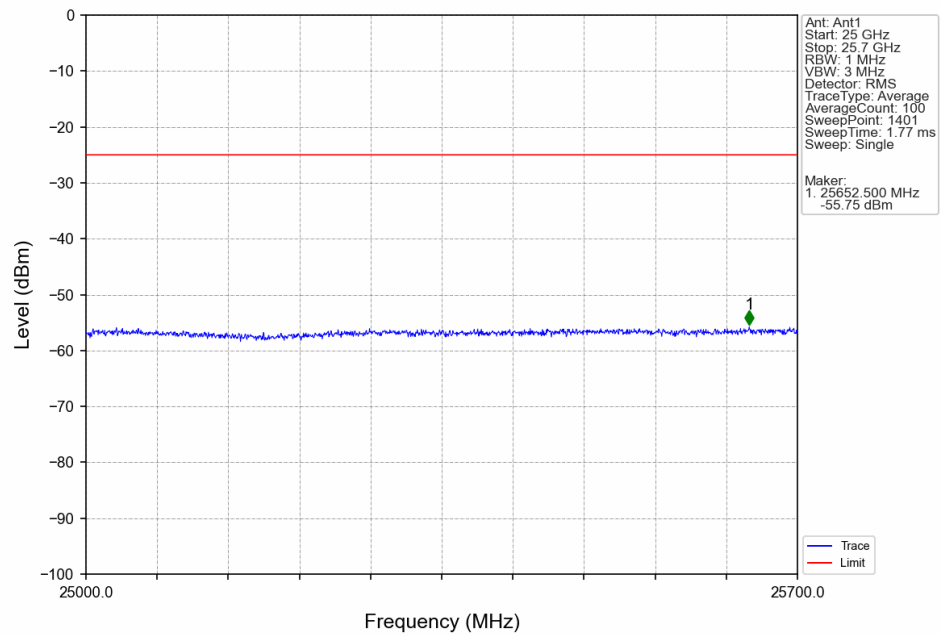
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



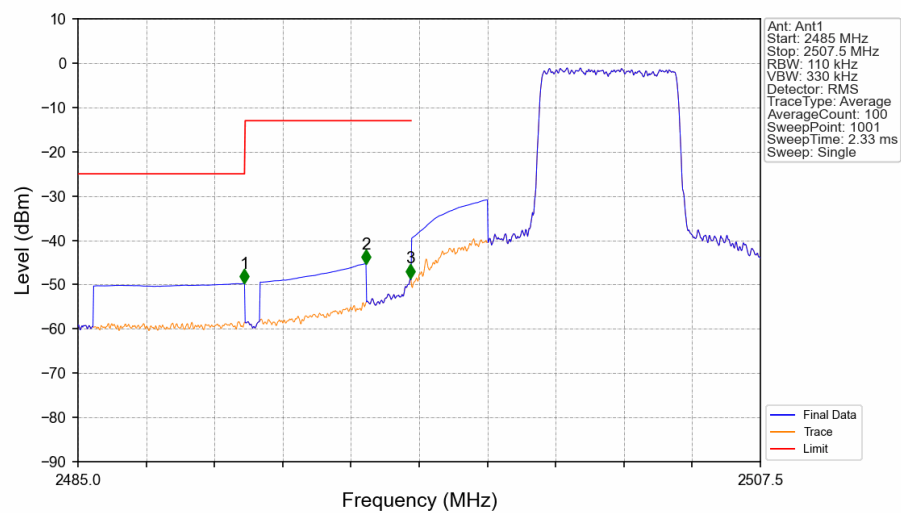
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV

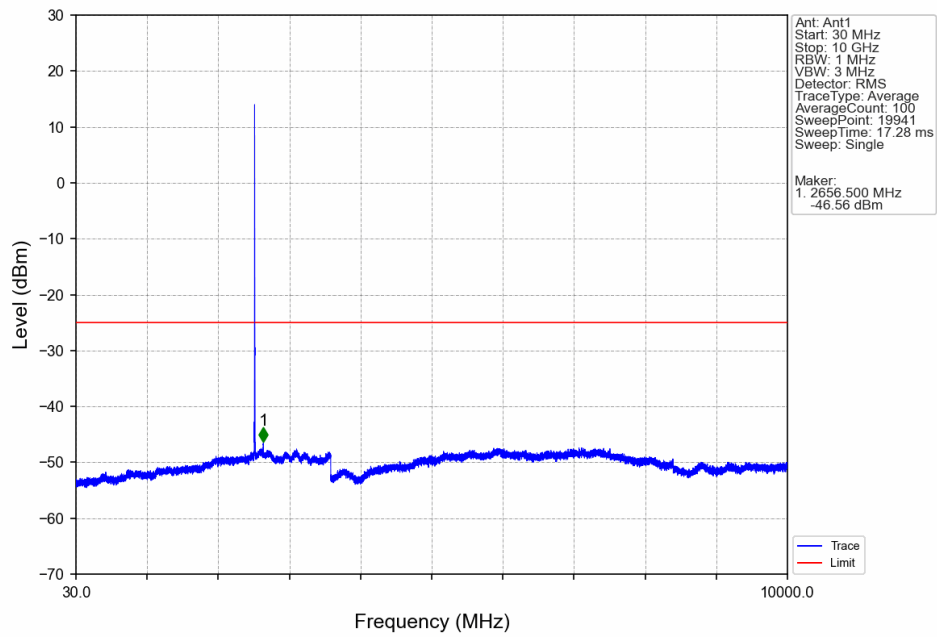


Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV

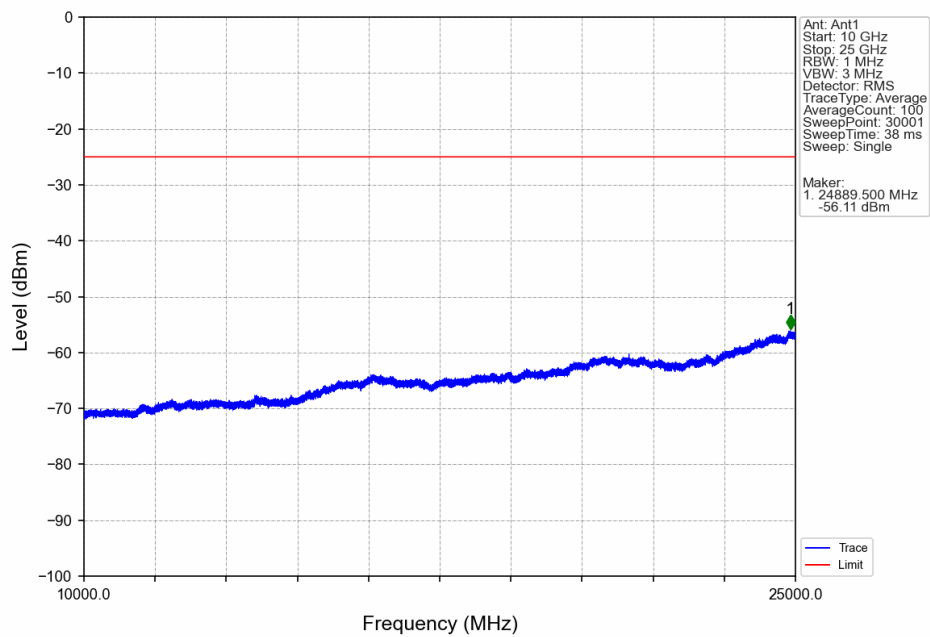


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-49.77	-25	Pass
2490.5	2495	1	CHP	2	2494.495	-45.27	-13	Pass
2495	2496	1	CHP	3	2495.957	-48.50	-13	Pass
2496	2507.5	0.11	/	/	/	/	/	/

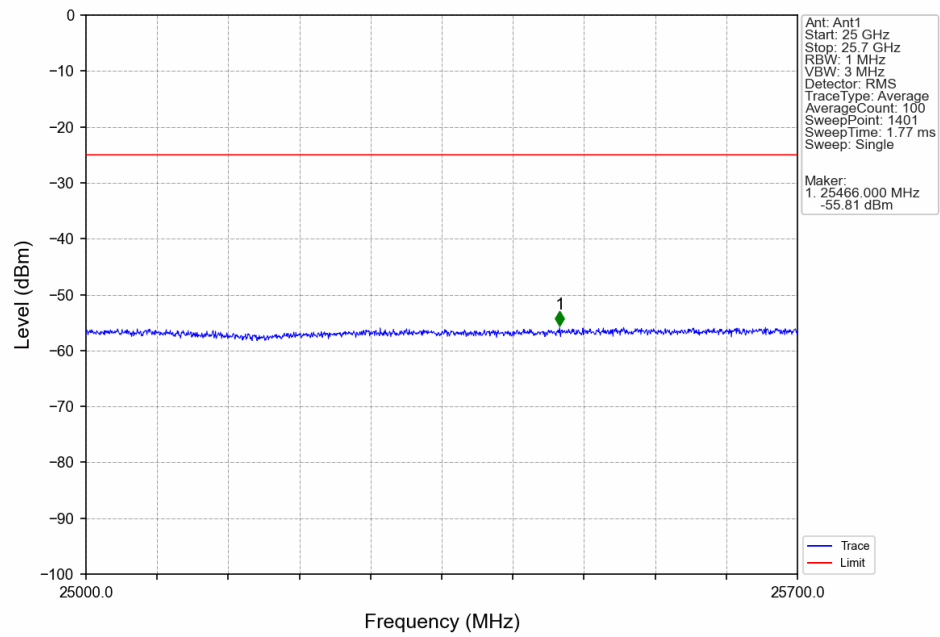
Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



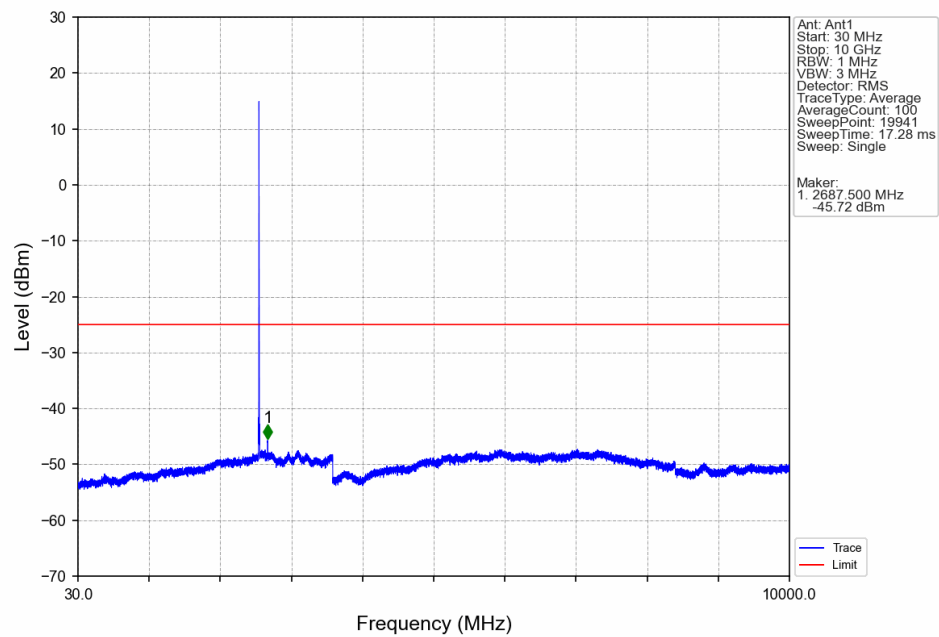
Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



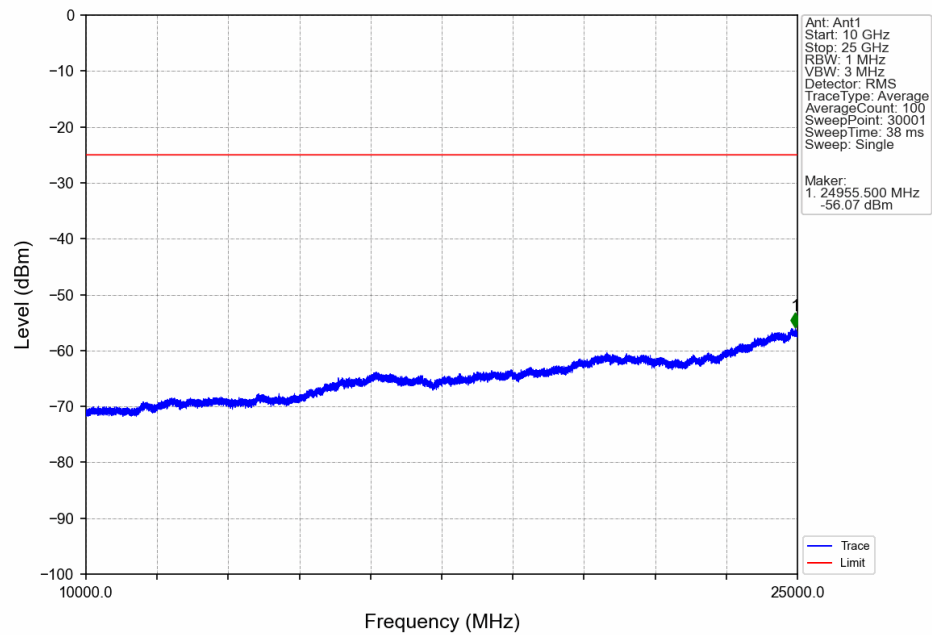
Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



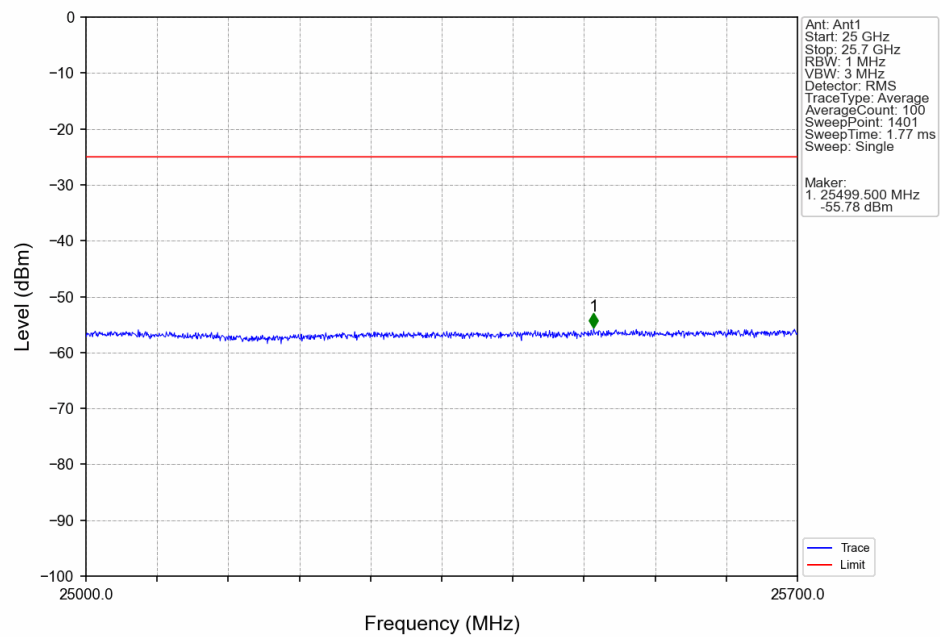
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_0_NTNV



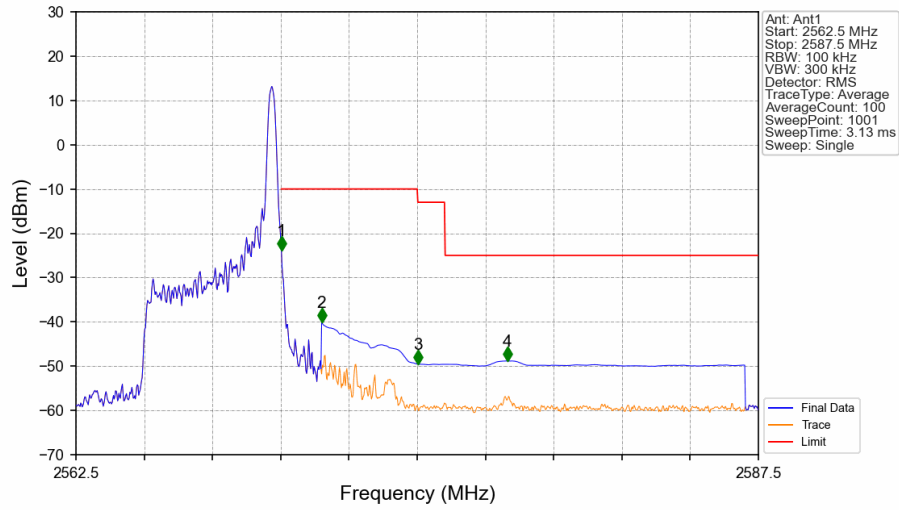
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_0_NTNV

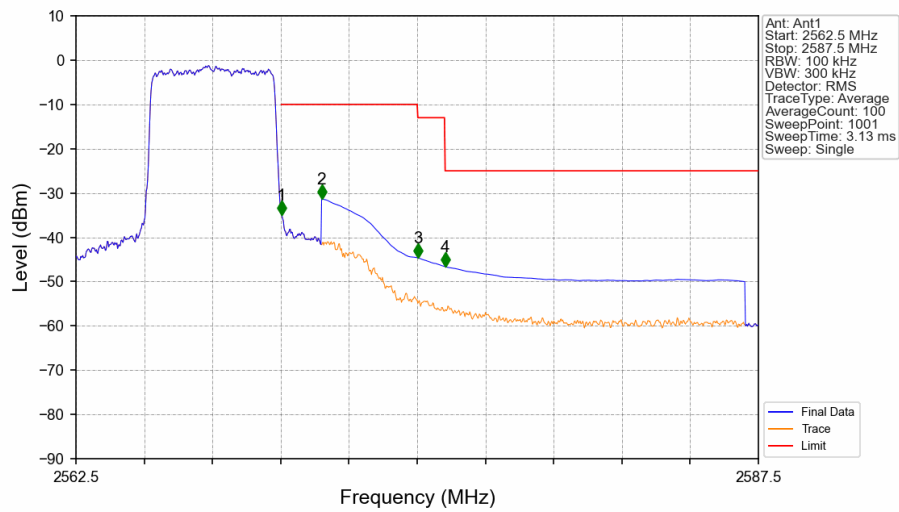


Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.025	-23.91	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.15	-10	Pass
2575	2576	1	CHP	3	2575.025	-49.56	-13	Pass
2576	2587.5	1	CHP	4	2578.300	-48.83	-25	Pass

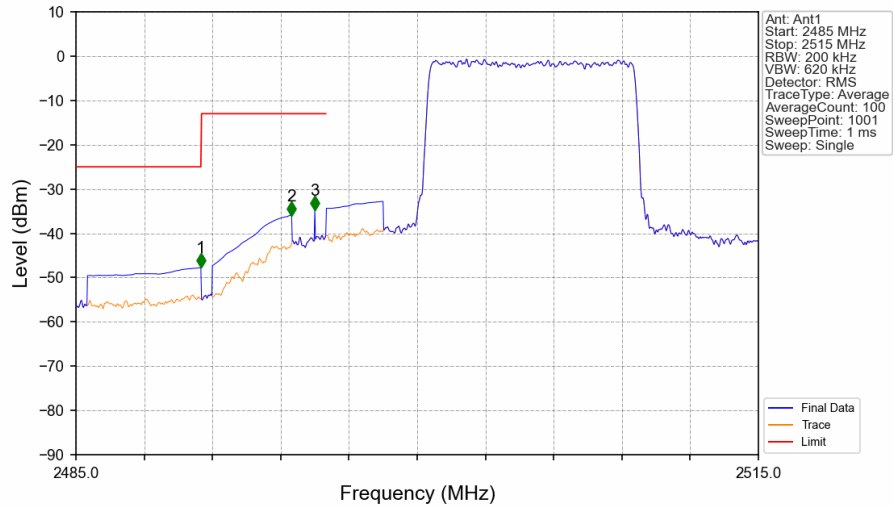
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.025	-34.91	-10	Pass
2571	2575	1	CHP	2	2571.500	-31.30	-10	Pass
2575	2576	1	CHP	3	2575.025	-44.65	-13	Pass
2576	2587.5	1	CHP	4	2576.025	-46.60	-25	Pass

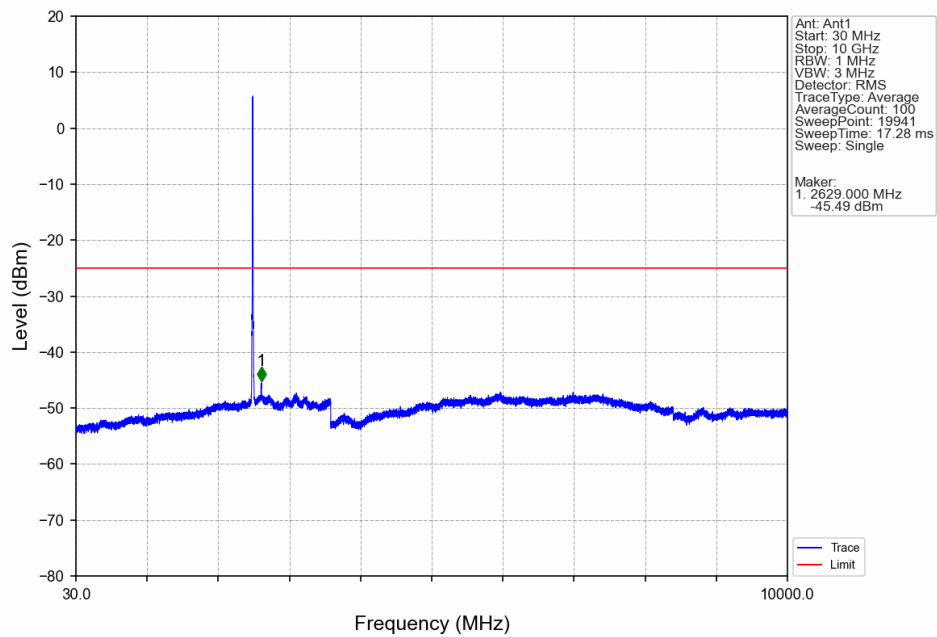
6.2.2 B7_10MHz

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

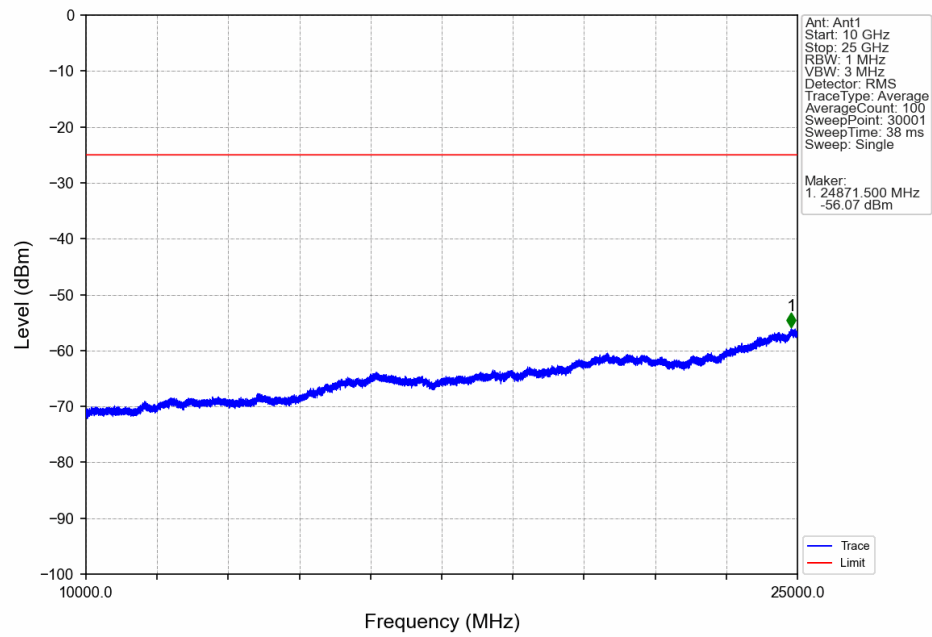


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-47.77	-25	Pass
2490.5	2495	1	CHP	2	2494.480	-35.95	-13	Pass
2495	2496	1	CHP	3	2495.500	-34.72	-13	Pass
2496	2515	0.2	/	/	/	/	/	/

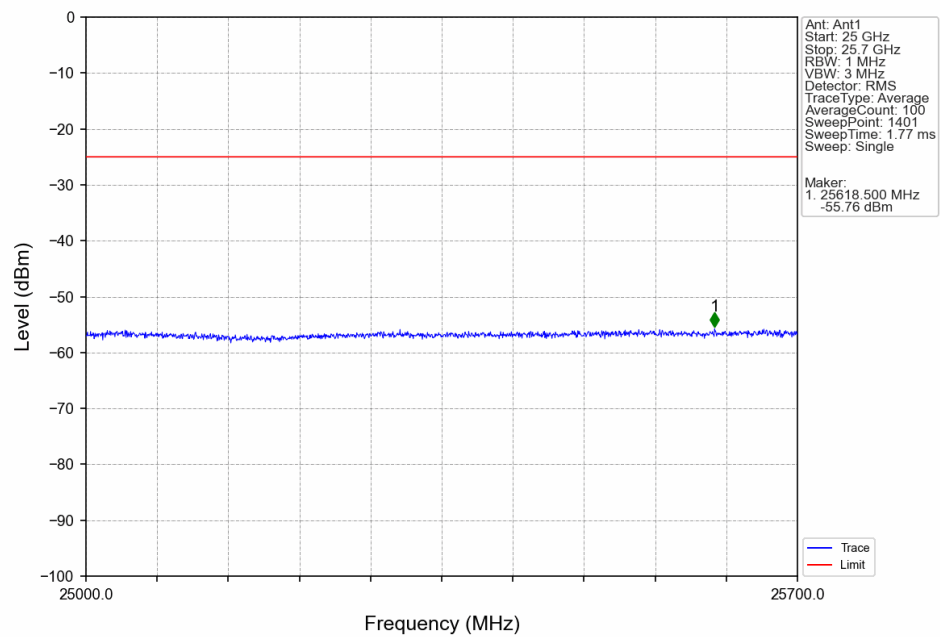
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



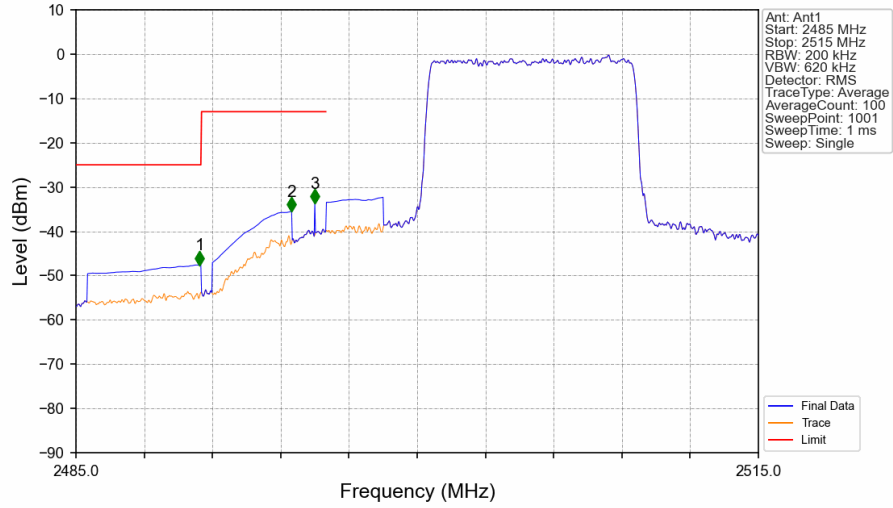
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

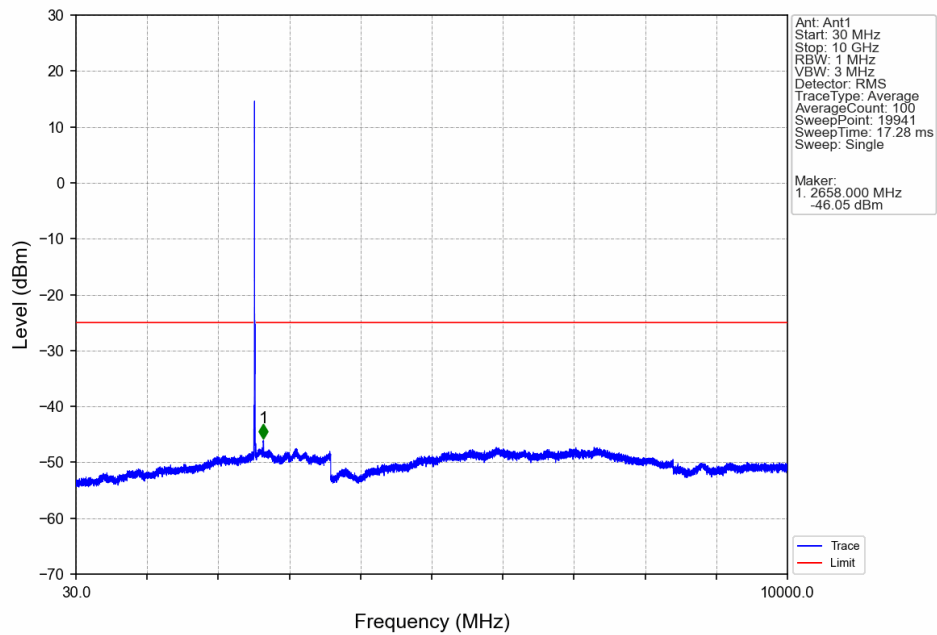


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

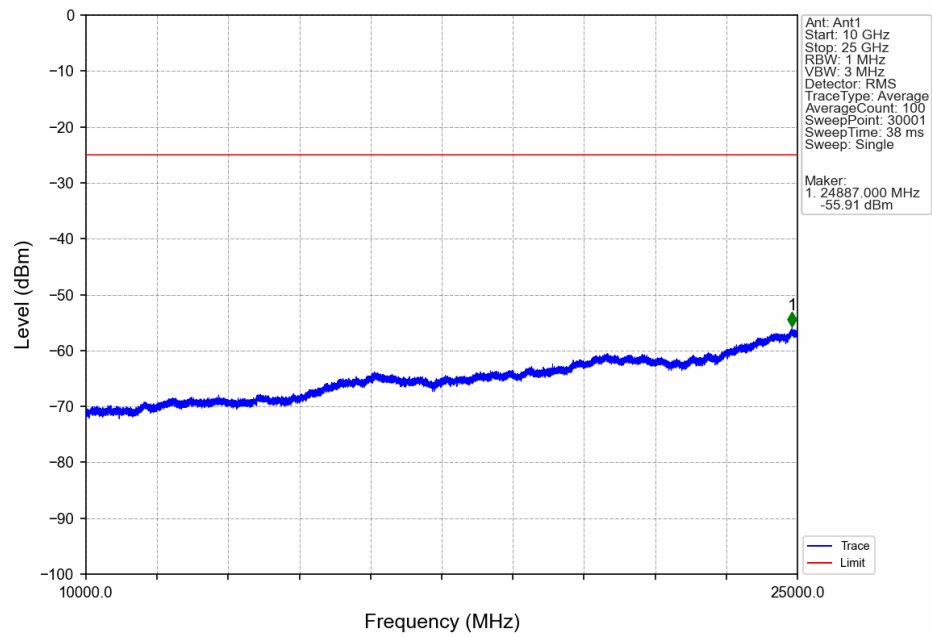


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.430	-47.60	-25	Pass
2490.5	2495	1	CHP	2	2494.480	-35.48	-13	Pass
2495	2496	1	CHP	3	2495.500	-33.64	-13	Pass
2496	2515	0.2	/	/	/	/	/	/

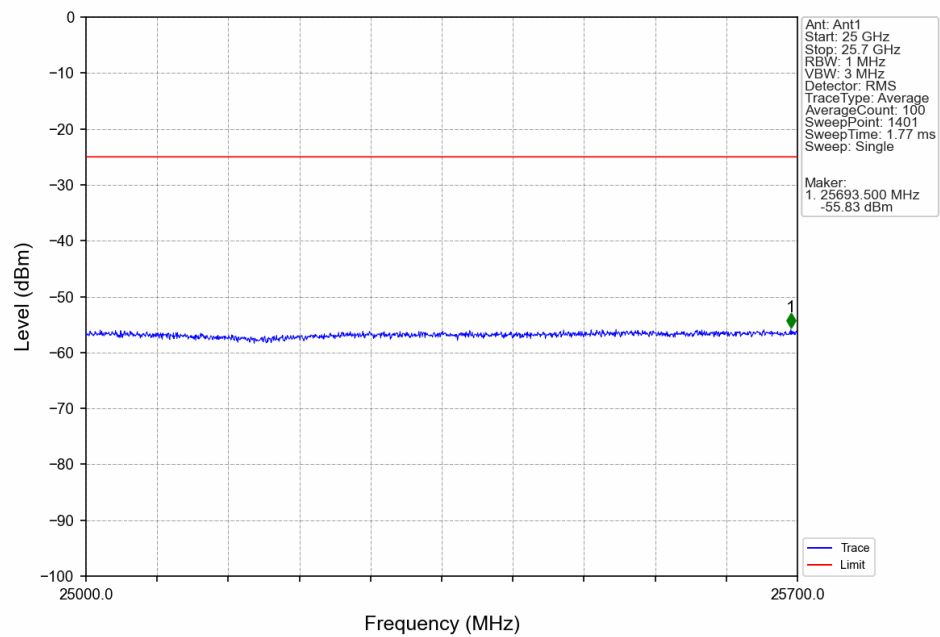
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



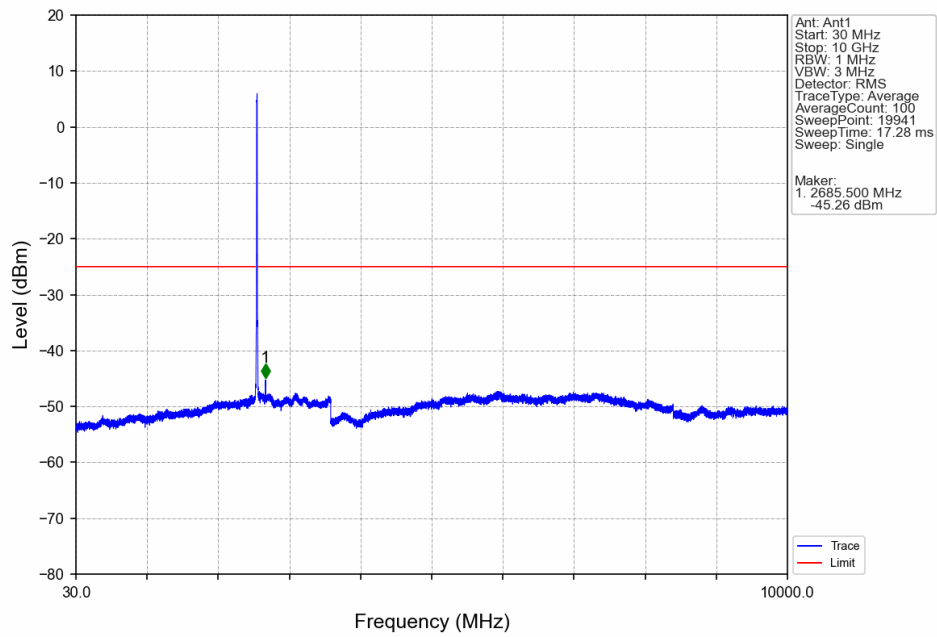
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



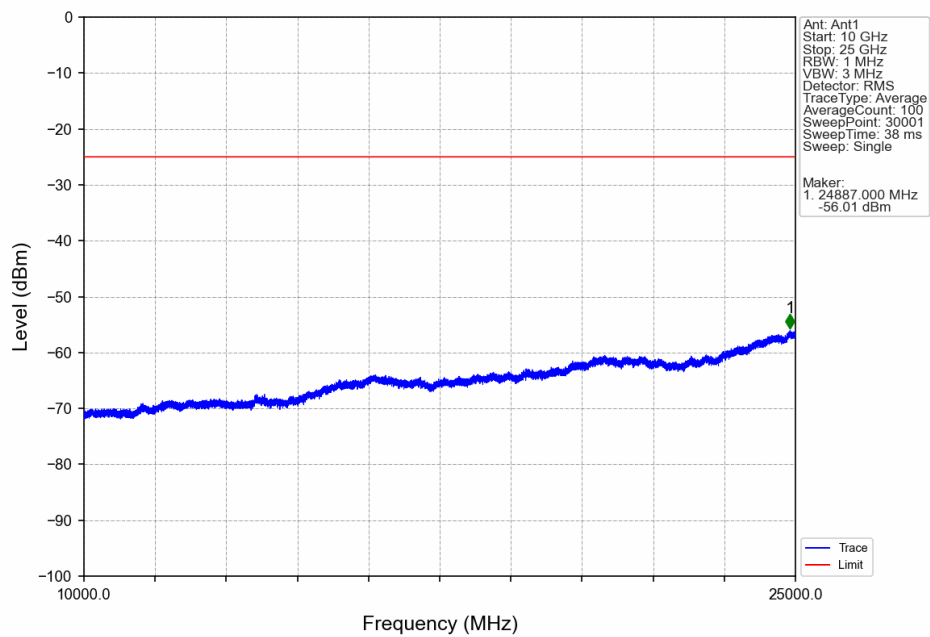
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



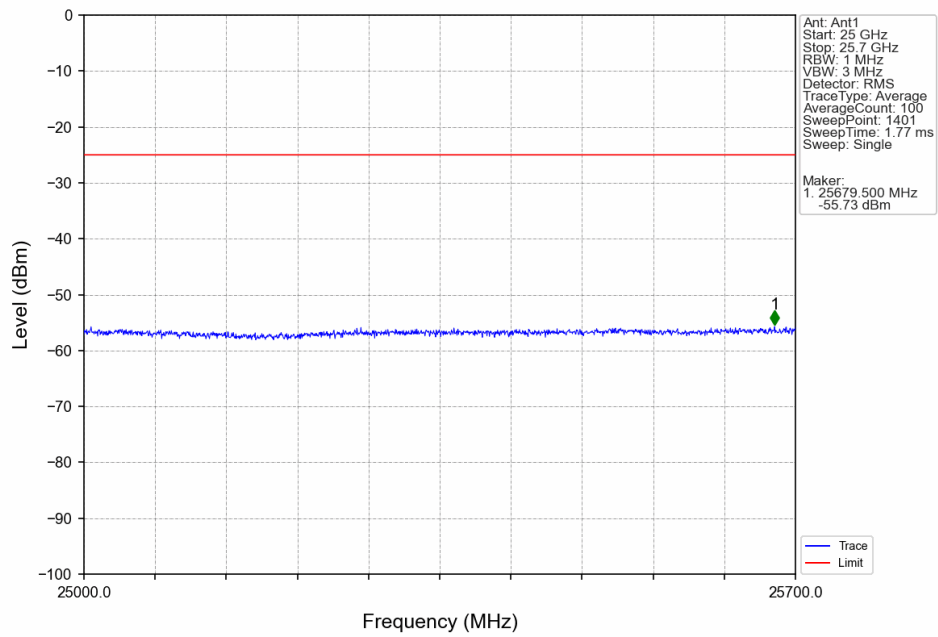
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



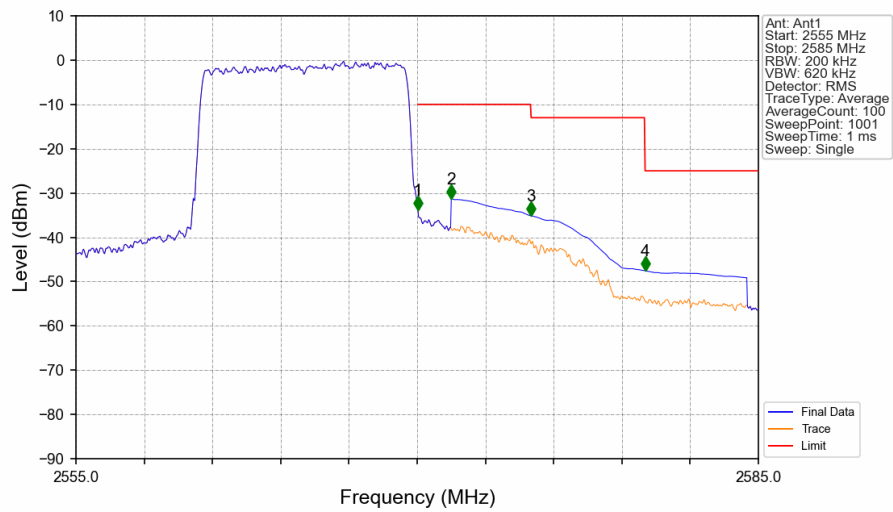
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

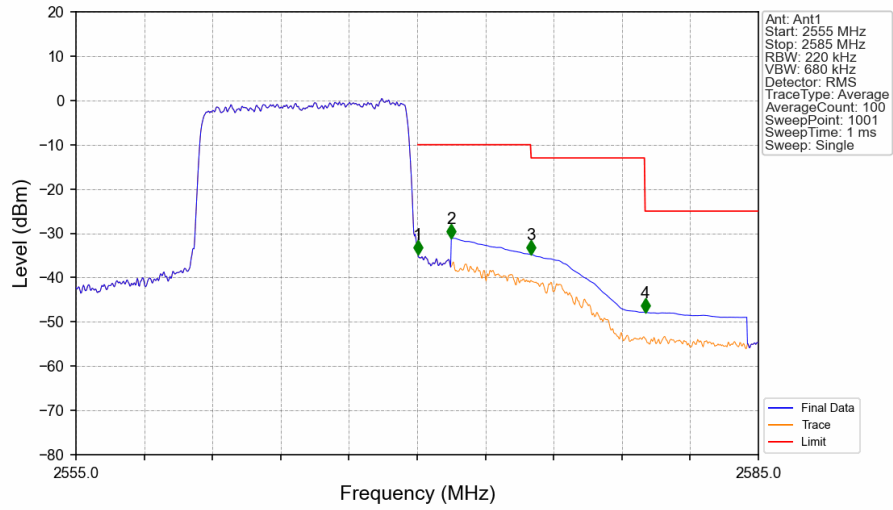


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



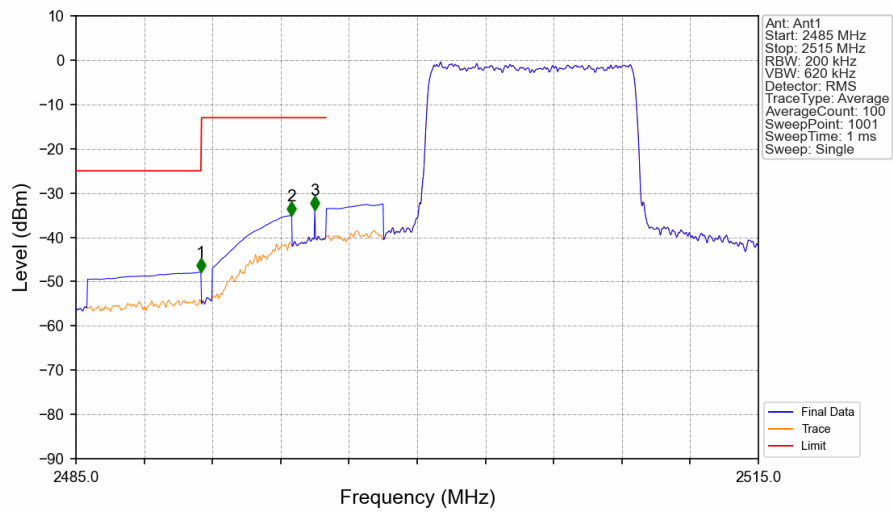
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.030	-33.84	-10	Pass
2571	2575	1	CHP	2	2571.500	-31.32	-10	Pass
2575	2580	1	CHP	3	2575.010	-35.12	-13	Pass
2580	2585	1	CHP	4	2580.020	-47.57	-25	Pass

Band7 10MHz QPSK HCH 2565MHz RB 50_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.22	/	/	/	/	/	/
2570	2571	0.22	/	1	2570.030	-34.80	-10	Pass
2571	2575	1	CHP	2	2571.500	-31.09	-10	Pass
2575	2580	1	CHP	3	2575.010	-34.79	-13	Pass
2580	2585	1	CHP	4	2580.020	-47.87	-25	Pass

Band7 10MHz 16QAM LCH 2505MHz RB 1_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-47.86	-25	Pass
2490.5	2495	1	CHP	2	2494.480	-35.04	-13	Pass
2495	2496	1	CHP	3	2495.500	-33.82	-13	Pass
2496	2515	0.2	/	/	/	/	/	/