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	19.38	0.36	19.74	<=33.01	Pass
			13	22.39	0.36	22.75	<=33.01	Pass
			24	22.27	0.36	22.63	<=33.01	Pass
		12	0	21.25	0.36	21.61	<=33.01	Pass
			6	21.36	0.36	21.72	<=33.01	Pass
			13	21.34	0.36	21.70	<=33.01	Pass
		25	0	21.29	0.36	21.65	<=33.01	Pass
	2535	1	0	22.18	0.36	22.54	<=33.01	Pass
			13	22.28	0.36	22.64	<=33.01	Pass
			24	22.15	0.36	22.51	<=33.01	Pass
		12	0	21.14	0.36	21.50	<=33.01	Pass
			6	21.24	0.36	21.60	<=33.01	Pass
			13	21.22	0.36	21.58	<=33.01	Pass
		25	0	21.21	0.36	21.57	<=33.01	Pass
	2567.5	1	0	21.88	0.36	22.24	<=33.01	Pass
			13	21.97	0.36	22.33	<=33.01	Pass
			24	21.86	0.36	22.22	<=33.01	Pass
		12	0	20.89	0.36	21.25	<=33.01	Pass
			6	20.93	0.36	21.29	<=33.01	Pass
			13	20.91	0.36	21.27	<=33.01	Pass
		25	0	20.91	0.36	21.27	<=33.01	Pass
16QAM	2502.5	1	0	21.50	0.36	21.86	<=33.01	Pass
			13	21.62	0.36	21.98	<=33.01	Pass
			24	21.51	0.36	21.87	<=33.01	Pass
		12	0	20.24	0.36	20.60	<=33.01	Pass
			6	20.33	0.36	20.69	<=33.01	Pass
			13	20.32	0.36	20.68	<=33.01	Pass
		25	0	20.24	0.36	20.60	<=33.01	Pass
	2535	1	0	21.02	0.36	21.38	<=33.01	Pass
			13	21.12	0.36	21.48	<=33.01	Pass
			24	21.04	0.36	21.40	<=33.01	Pass
		12	0	20.11	0.36	20.47	<=33.01	Pass
			6	20.19	0.36	20.55	<=33.01	Pass
			13	20.18	0.36	20.54	<=33.01	Pass
		25	0	20.21	0.36	20.57	<=33.01	Pass
	2567.5	1	0	20.97	0.36	21.33	<=33.01	Pass
			13	21.06	0.36	21.42	<=33.01	Pass
			24	20.97	0.36	21.33	<=33.01	Pass
		12	0	19.82	0.36	20.18	<=33.01	Pass
			6	19.87	0.36	20.23	<=33.01	Pass
			13	19.85	0.36	20.21	<=33.01	Pass
		25	0	19.95	0.36	20.31	<=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	22.24	0.36	22.60	<=33.01	Pass
			25	22.31	0.36	22.67	<=33.01	Pass
			49	22.31	0.36	22.67	<=33.01	Pass
		25	0	21.22	0.36	21.58	<=33.01	Pass
			13	21.31	0.36	21.67	<=33.01	Pass
			25	21.29	0.36	21.65	<=33.01	Pass
		50	0	21.25	0.36	21.61	<=33.01	Pass
	2535	1	0	22.19	0.36	22.55	<=33.01	Pass
			25	22.20	0.36	22.56	<=33.01	Pass
			49	22.16	0.36	22.52	<=33.01	Pass
		25	0	21.15	0.36	21.51	<=33.01	Pass
			13	21.22	0.36	21.58	<=33.01	Pass
			25	21.28	0.36	21.64	<=33.01	Pass
		50	0	21.22	0.36	21.58	<=33.01	Pass
	2565	1	0	21.95	0.36	22.31	<=33.01	Pass
			25	22.01	0.36	22.37	<=33.01	Pass
			49	21.97	0.36	22.33	<=33.01	Pass
		25	0	21.03	0.36	21.39	<=33.01	Pass
			13	21.00	0.36	21.36	<=33.01	Pass
			25	20.97	0.36	21.33	<=33.01	Pass
		50	0	21.03	0.36	21.39	<=33.01	Pass
16QAM	2505	1	0	21.44	0.36	21.80	<=33.01	Pass
			25	21.49	0.36	21.85	<=33.01	Pass
			49	21.50	0.36	21.86	<=33.01	Pass
		25	0	20.23	0.36	20.59	<=33.01	Pass
			13	20.34	0.36	20.70	<=33.01	Pass
			25	20.30	0.36	20.66	<=33.01	Pass
		50	0	20.22	0.36	20.58	<=33.01	Pass
	2535	1	0	21.75	0.36	22.11	<=33.01	Pass
			25	21.81	0.36	22.17	<=33.01	Pass
			49	21.77	0.36	22.13	<=33.01	Pass
		25	0	20.23	0.36	20.59	<=33.01	Pass
			13	20.30	0.36	20.66	<=33.01	Pass
			25	20.32	0.36	20.68	<=33.01	Pass
		50	0	20.24	0.36	20.60	<=33.01	Pass
	2565	1	0	20.97	0.36	21.33	<=33.01	Pass
			25	21.00	0.36	21.36	<=33.01	Pass
			49	20.96	0.36	21.32	<=33.01	Pass
		25	0	20.09	0.36	20.45	<=33.01	Pass
			13	20.09	0.36	20.45	<=33.01	Pass
			25	20.05	0.36	20.41	<=33.01	Pass
		50	0	19.99	0.36	20.35	<=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	22.18	0.36	22.54	<=33.01	Pass
			38	22.29	0.36	22.65	<=33.01	Pass
			74	22.22	0.36	22.58	<=33.01	Pass
		36	0	21.22	0.36	21.58	<=33.01	Pass
			18	21.32	0.36	21.68	<=33.01	Pass
			39	21.27	0.36	21.63	<=33.01	Pass
		75	0	21.26	0.36	21.62	<=33.01	Pass
	2535	1	0	22.13	0.36	22.49	<=33.01	Pass
			38	22.27	0.36	22.63	<=33.01	Pass
			74	22.13	0.36	22.49	<=33.01	Pass
		36	0	21.14	0.36	21.50	<=33.01	Pass
			18	21.24	0.36	21.60	<=33.01	Pass
			39	21.26	0.36	21.62	<=33.01	Pass
		75	0	21.22	0.36	21.58	<=33.01	Pass
	2562.5	1	0	21.85	0.36	22.21	<=33.01	Pass
			38	22.03	0.36	22.39	<=33.01	Pass
			74	21.90	0.36	22.26	<=33.01	Pass
		36	0	21.01	0.36	21.37	<=33.01	Pass
			18	21.01	0.36	21.37	<=33.01	Pass
			39	20.94	0.36	21.30	<=33.01	Pass
		75	0	21.06	0.36	21.42	<=33.01	Pass
16QAM	2507.5	1	0	21.70	0.36	22.06	<=33.01	Pass
			38	21.87	0.36	22.23	<=33.01	Pass
			74	21.81	0.36	22.17	<=33.01	Pass
		36	0	20.24	0.36	20.60	<=33.01	Pass
			18	20.32	0.36	20.68	<=33.01	Pass
			39	20.29	0.36	20.65	<=33.01	Pass
		75	0	20.23	0.36	20.59	<=33.01	Pass
	2535	1	0	21.51	0.36	21.87	<=33.01	Pass
			38	21.66	0.36	22.02	<=33.01	Pass
			74	21.53	0.36	21.89	<=33.01	Pass
		36	0	20.14	0.36	20.50	<=33.01	Pass
			18	20.21	0.36	20.57	<=33.01	Pass
			39	20.21	0.36	20.57	<=33.01	Pass
		75	0	20.19	0.36	20.55	<=33.01	Pass
	2562.5	1	0	21.08	0.36	21.44	<=33.01	Pass
			38	21.18	0.36	21.54	<=33.01	Pass
			74	21.08	0.36	21.44	<=33.01	Pass
		36	0	20.03	0.36	20.39	<=33.01	Pass
			18	20.04	0.36	20.40	<=33.01	Pass
			39	19.96	0.36	20.32	<=33.01	Pass
		75	0	20.03	0.36	20.39	<=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	22.08	0.36	22.44	<=33.01	Pass
			50	22.31	0.36	22.67	<=33.01	Pass
			99	22.22	0.36	22.58	<=33.01	Pass
		50	0	21.19	0.36	21.55	<=33.01	Pass
			25	21.28	0.36	21.64	<=33.01	Pass
			50	21.18	0.36	21.54	<=33.01	Pass
		100	0	21.15	0.36	21.51	<=33.01	Pass
	2535	1	0	22.06	0.36	22.42	<=33.01	Pass
			50	22.25	0.36	22.61	<=33.01	Pass
			99	22.08	0.36	22.44	<=33.01	Pass
		50	0	21.17	0.36	21.53	<=33.01	Pass
			25	21.27	0.36	21.63	<=33.01	Pass
			50	21.32	0.36	21.68	<=33.01	Pass
		100	0	21.21	0.36	21.57	<=33.01	Pass
	2560	1	0	21.86	0.36	22.22	<=33.01	Pass
			50	22.02	0.36	22.38	<=33.01	Pass
			99	21.91	0.36	22.27	<=33.01	Pass
		50	0	21.17	0.36	21.53	<=33.01	Pass
			25	21.06	0.36	21.42	<=33.01	Pass
			50	20.92	0.36	21.28	<=33.01	Pass
		100	0	21.04	0.36	21.40	<=33.01	Pass
16QAM	2510	1	0	21.36	0.36	21.72	<=33.01	Pass
			50	21.60	0.36	21.96	<=33.01	Pass
			99	21.51	0.36	21.87	<=33.01	Pass
		50	0	20.14	0.36	20.50	<=33.01	Pass
			25	20.31	0.36	20.67	<=33.01	Pass
			50	20.16	0.36	20.52	<=33.01	Pass
		100	0	20.15	0.36	20.51	<=33.01	Pass
	2535	1	0	21.62	0.36	21.98	<=33.01	Pass
			50	21.81	0.36	22.17	<=33.01	Pass
			99	21.64	0.36	22.00	<=33.01	Pass
		50	0	20.10	0.36	20.46	<=33.01	Pass
			25	20.27	0.36	20.63	<=33.01	Pass
			50	20.28	0.36	20.64	<=33.01	Pass
		100	0	20.21	0.36	20.57	<=33.01	Pass
	2560	1	0	21.10	0.36	21.46	<=33.01	Pass
			50	21.23	0.36	21.59	<=33.01	Pass
			99	21.11	0.36	21.47	<=33.01	Pass
		50	0	20.13	0.36	20.49	<=33.01	Pass
			25	20.10	0.36	20.46	<=33.01	Pass
			50	19.92	0.36	20.28	<=33.01	Pass
		100	0	20.03	0.36	20.39	<=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	-4.835	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.792	-0.0019	-2.5 to 2.5	Pass
					4.43	-0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-3.977	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.948	-0.0016	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-5.751	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.609	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-11.945	-0.0047	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0005	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-12.789	-0.0050	-2.5 to 2.5	Pass
					3.85	-4.520	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.748	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-11.315	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-2.933	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.674	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.544	0.0002	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-1.173	-0.0005	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.180	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.909	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-8.683	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.791	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0004	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-2.475	-0.0010	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0018	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass

				-10	3.85	-3.548	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-8.411	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	1.788	0.0007	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0017	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0021	-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	-7.410	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.868	-0.0031	-2.5 to 2.5	Pass
					4.43	-7.811	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.582	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.693	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-7.610	-0.0030	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-6.738	-0.0027	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-8.497	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-6.666	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-9.484	-0.0037	-2.5 to 2.5	Pass
					3.85	-8.082	-0.0032	-2.5 to 2.5	Pass
					4.43	-6.266	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-4.048	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.452	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.652	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.418	-0.0009	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-4.449	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.005	-0.0016	-2.5 to 2.5	Pass

					4.43	-2.089	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.717	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.161	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-2.260	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.176	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-7.296	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-4.292	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.587	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-4.506	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
					4.43	0.172	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.546	0.0010	-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	-2.546	-0.0010	-2.5 to 2.5	Pass
					3.85	2.689	0.0011	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.689	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				40	3.85	1.259	0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0005	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-8.140	-0.0032	-2.5 to 2.5	Pass
					3.85	-6.924	-0.0027	-2.5 to 2.5	Pass
					4.43	-8.483	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-6.309	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.419	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-7.453	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-4.392	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-5.479	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.203	-0.0009	-2.5 to 2.5	Pass

				50	3.85	-6.323	-0.0025	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-0.443	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
					4.43	-4.692	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.033	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-3.476	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0001	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-2.174	-0.0009	-2.5 to 2.5	Pass
					3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.622	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.922	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.722	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-2.847	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0016	-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	-1.316	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.103	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.203	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0012	-2.5 to 2.5	Pass

				10	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
					3.27	-3.576	-0.0014	-2.5 to 2.5	Pass
				20	3.85	-3.047	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.705	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0015	-2.5 to 2.5	Pass
	2535	100	0	-10	3.85	1.116	0.0004	-2.5 to 2.5	Pass
				0	3.85	-6.051	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-6.280	-0.0025	-2.5 to 2.5	Pass
					3.27	-4.020	-0.0016	-2.5 to 2.5	Pass
				20	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.963	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0028	-2.5 to 2.5	Pass
	2560	100	0	-10	3.85	-4.821	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-4.005	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
					3.27	1.388	0.0006	-2.5 to 2.5	Pass
				20	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
	2510	100	0	-10	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.672	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.672	0.0003	-2.5 to 2.5	Pass
					3.27	-0.830	-0.0003	-2.5 to 2.5	Pass
				20	3.85	-3.033	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
16QAM	2535	100	0	-10	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.080	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
					3.27	-5.708	-0.0022	-2.5 to 2.5	Pass
				20	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.721	-0.0018	-2.5 to 2.5	Pass
	2560	100	0	-10	3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.393	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.076	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-7.539	-0.0029	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B7_5MHz

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 B7_10MHz

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

3.1.3 B7_15MHz

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

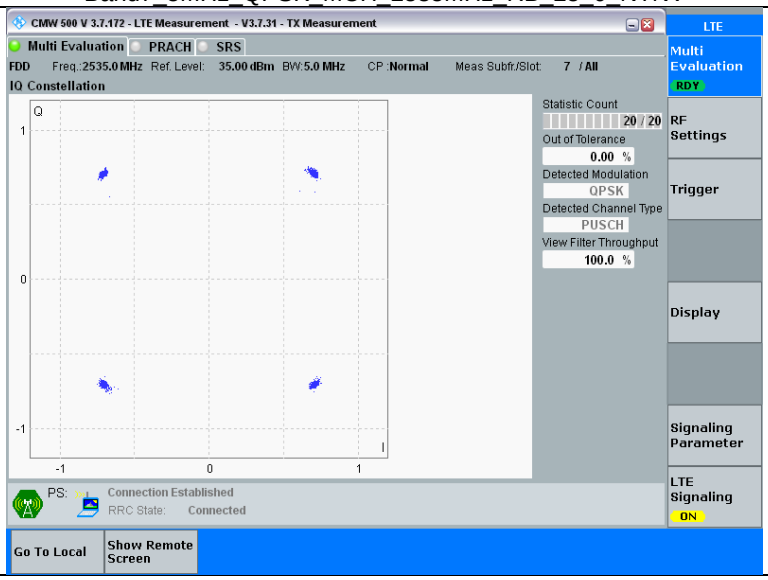
3.1.4 B7_20MHz

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

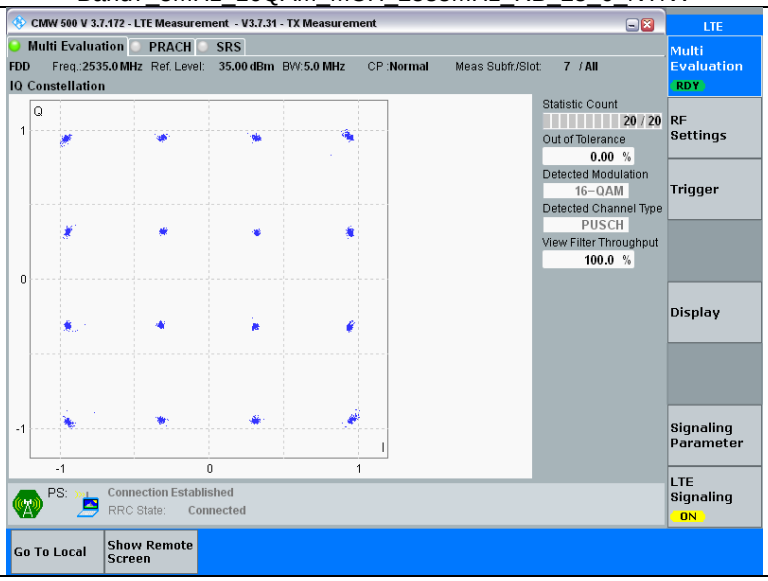
3.2 Test Graph

3.2.1 B7_5MHz

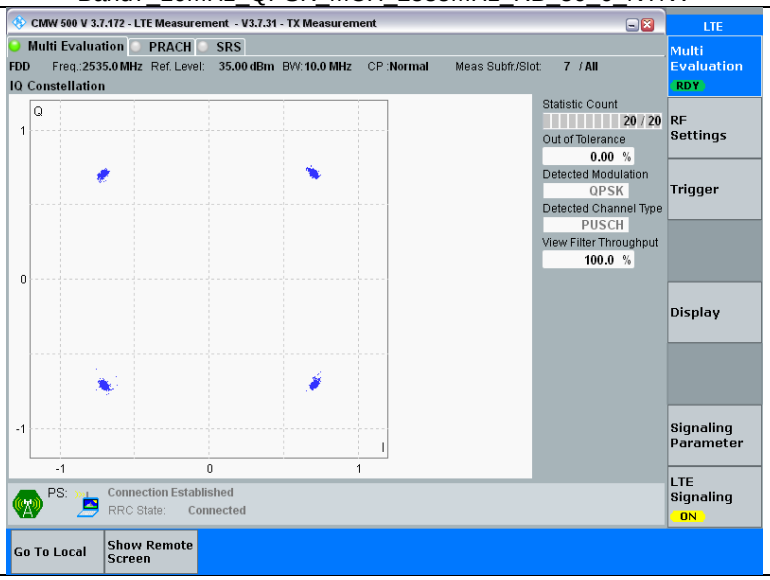
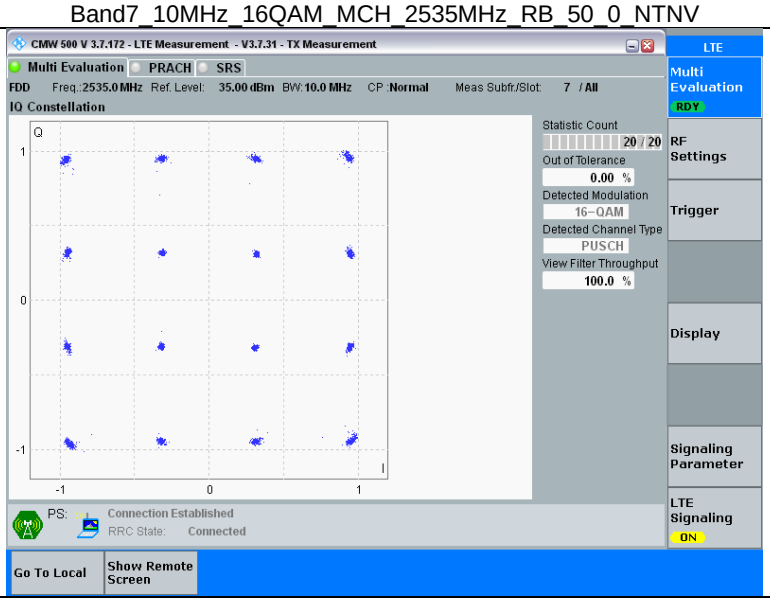
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



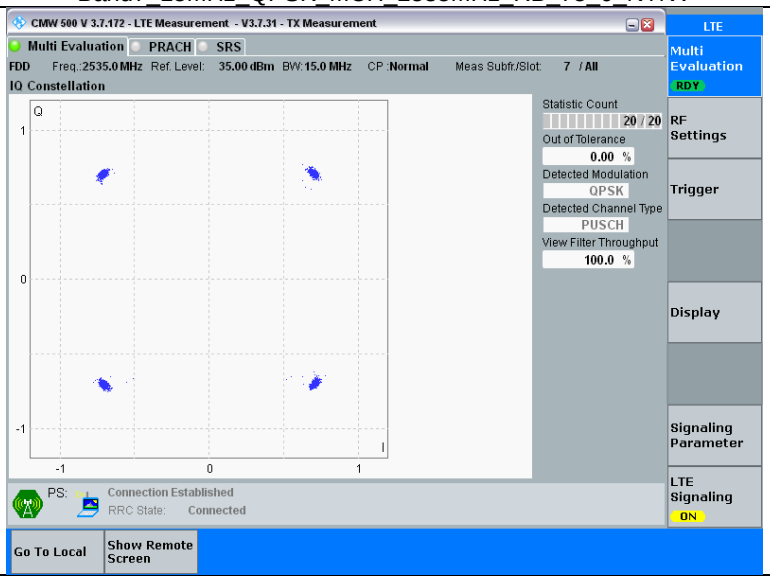
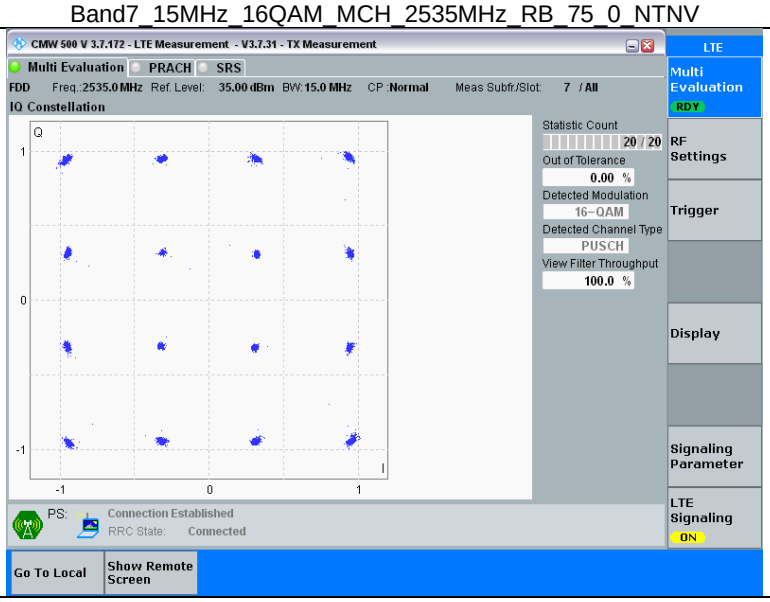
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



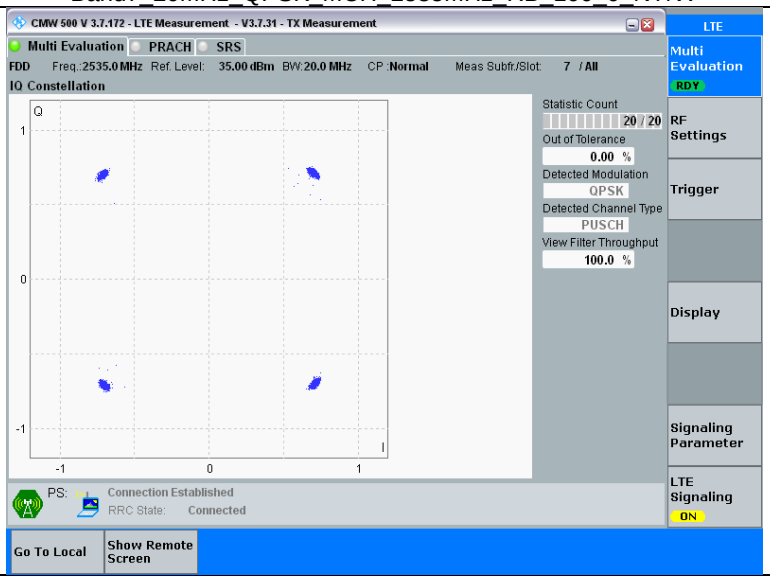
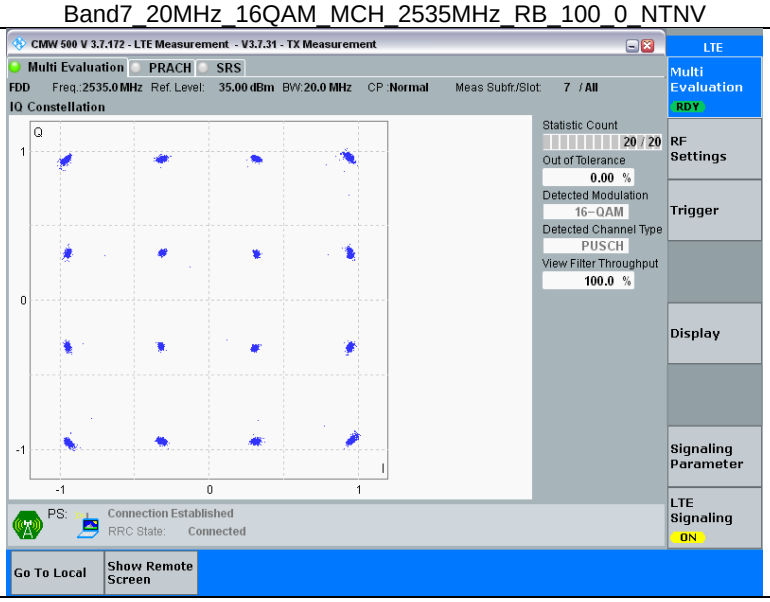
3.2.2 B7_10MHz

Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV

Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV


3.2.3 B7_15MHz

Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV

Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV


3.2.4 B7_20MHz

Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV

Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band7_OBW

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.535	/	Pass
		2535	25	0	4.549	/	Pass
		2567.5	25	0	4.548	/	Pass
	16QAM	2502.5	25	0	4.559	/	Pass
		2535	25	0	4.551	/	Pass
		2567.5	25	0	4.531	/	Pass
10	QPSK	2505	50	0	9.059	/	Pass
		2535	50	0	9.075	/	Pass
		2565	50	0	9.031	/	Pass
	16QAM	2505	50	0	9.077	/	Pass
		2535	50	0	9.066	/	Pass
		2565	50	0	9.032	/	Pass
15	QPSK	2507.5	75	0	13.574	/	Pass
		2535	75	0	13.586	/	Pass
		2562.5	75	0	13.538	/	Pass
	16QAM	2507.5	75	0	13.617	/	Pass
		2535	75	0	13.591	/	Pass
		2562.5	75	0	13.550	/	Pass
20	QPSK	2510	100	0	18.054	/	Pass
		2535	100	0	18.101	/	Pass
		2560	100	0	17.989	/	Pass
	16QAM	2510	100	0	18.063	/	Pass
		2535	100	0	18.106	/	Pass
		2560	100	0	18.036	/	Pass

4.1.2 Band7_XDB

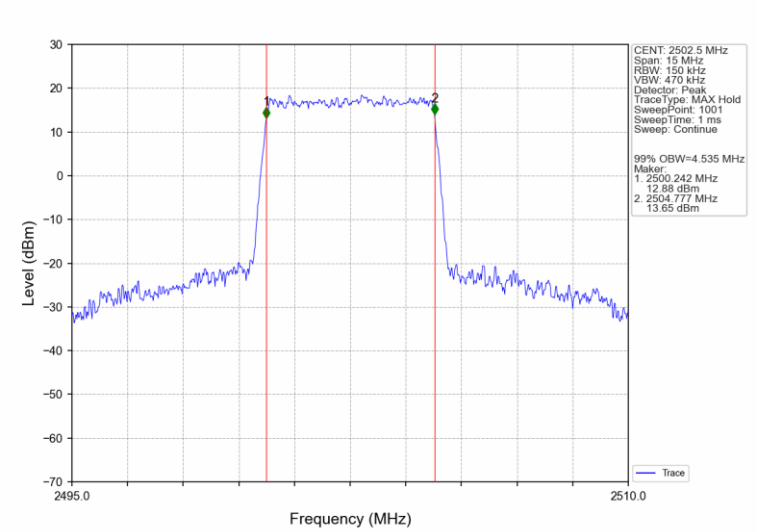
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.006	/	Pass
		2535	25	0	4.999	/	Pass
		2567.5	25	0	4.986	/	Pass
	16QAM	2502.5	25	0	4.997	/	Pass
		2535	25	0	4.999	/	Pass
		2567.5	25	0	4.972	/	Pass
10	QPSK	2505	50	0	9.887	/	Pass
		2535	50	0	9.918	/	Pass
		2565	50	0	9.868	/	Pass
	16QAM	2505	50	0	9.876	/	Pass
		2535	50	0	9.844	/	Pass
		2565	50	0	9.896	/	Pass
15	QPSK	2507.5	75	0	14.863	/	Pass
		2535	75	0	14.934	/	Pass
		2562.5	75	0	14.822	/	Pass

	16QAM	2507.5	75	0	14.852	/	Pass
		2535	75	0	14.782	/	Pass
		2562.5	75	0	14.821	/	Pass
20	QPSK	2510	100	0	19.597	/	Pass
		2535	100	0	19.785	/	Pass
		2560	100	0	19.621	/	Pass
	16QAM	2510	100	0	19.805	/	Pass
		2535	100	0	19.641	/	Pass
		2560	100	0	19.740	/	Pass

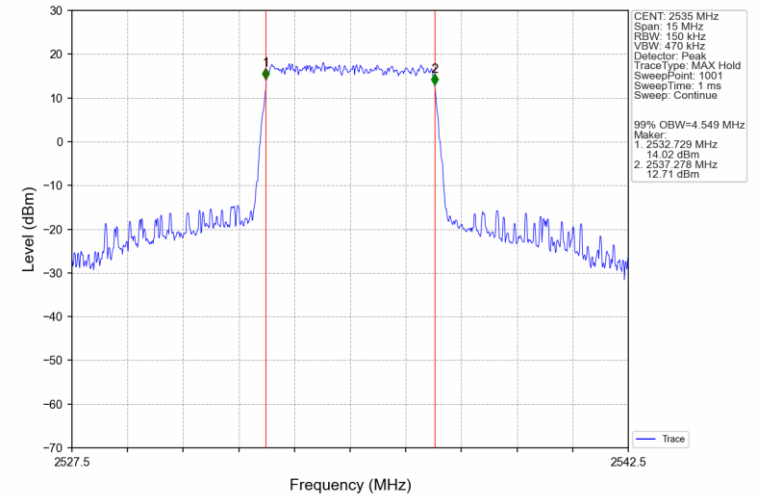
4.2 Test Graph

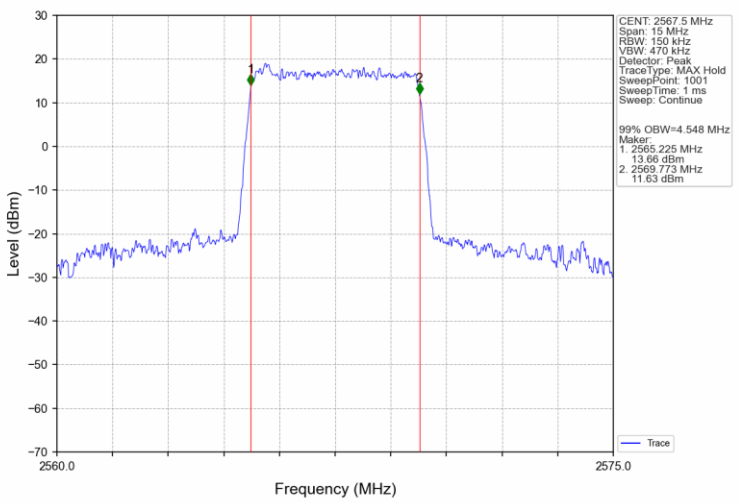
4.2.1 Band7_OBW

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

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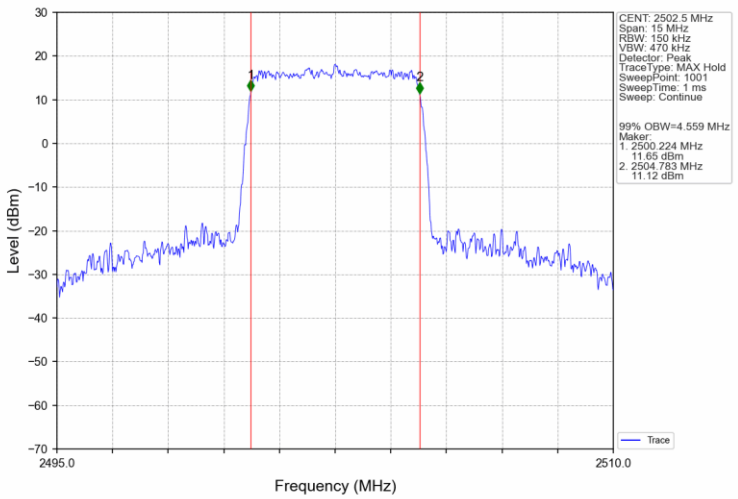
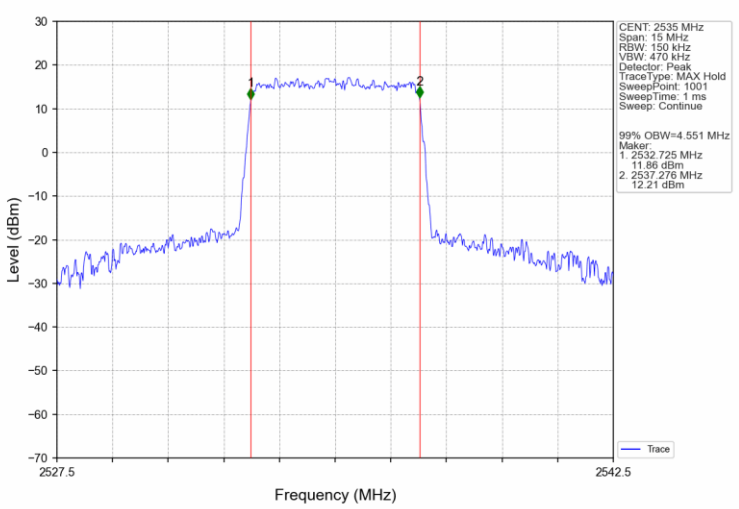
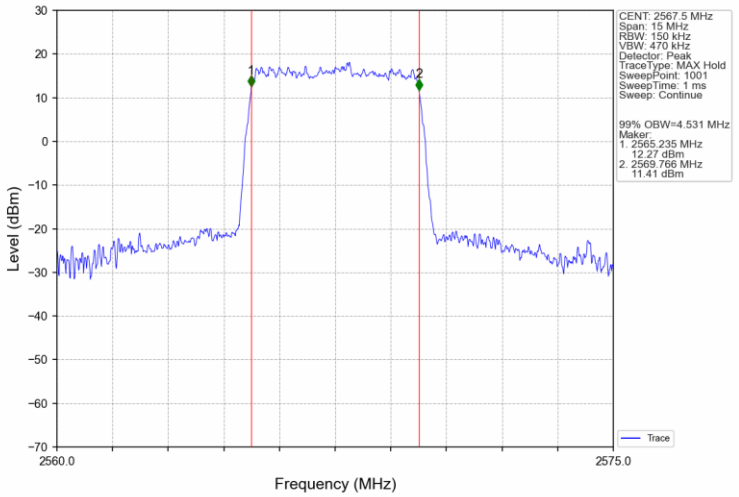
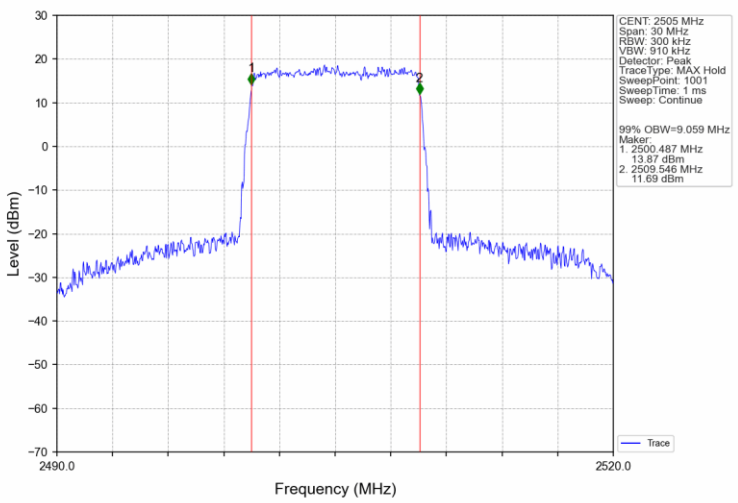
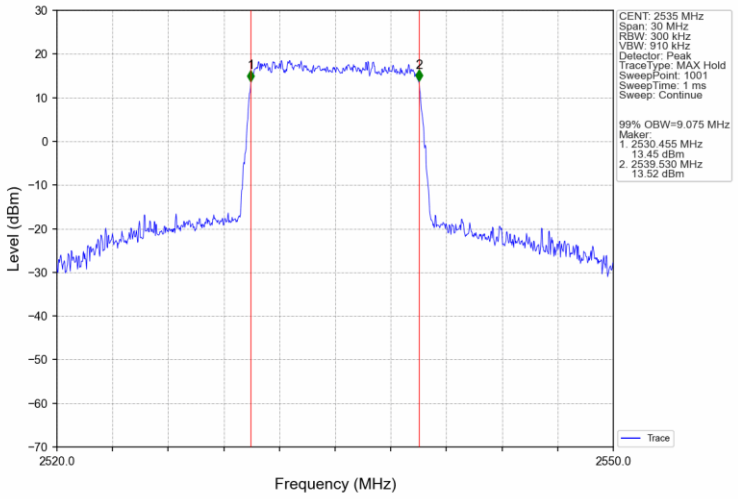
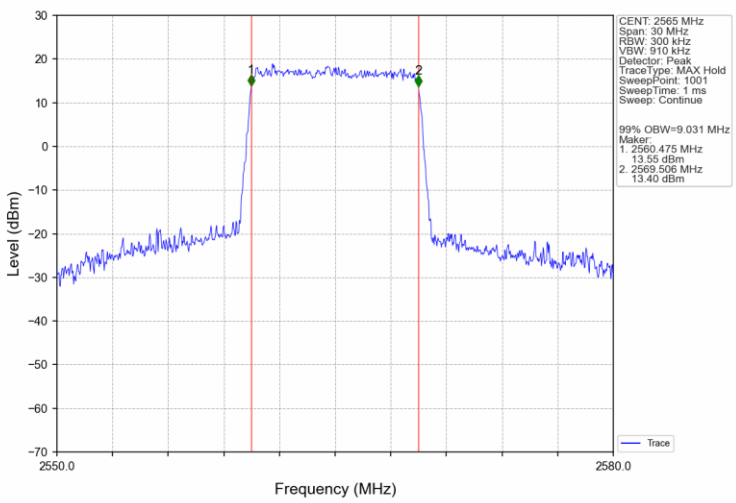


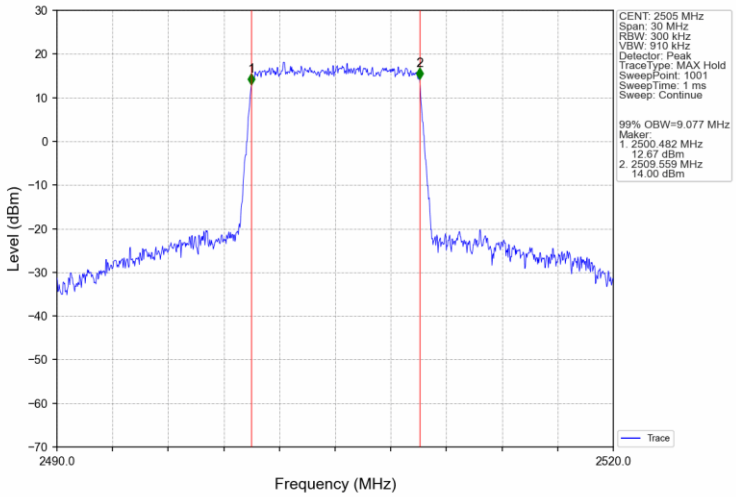
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

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


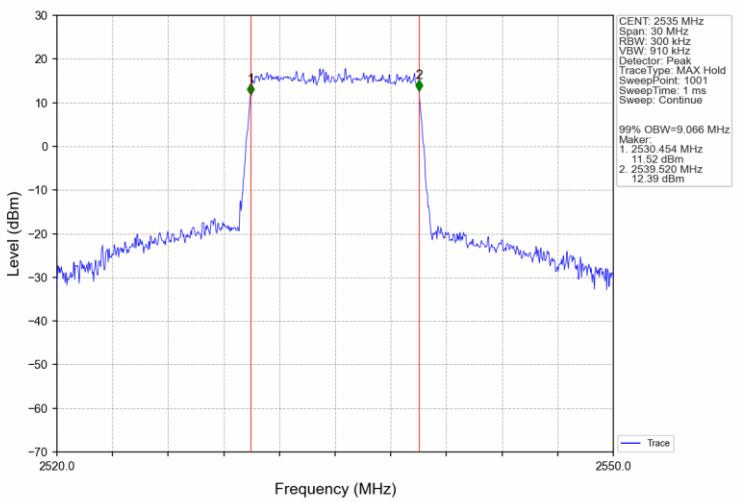
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



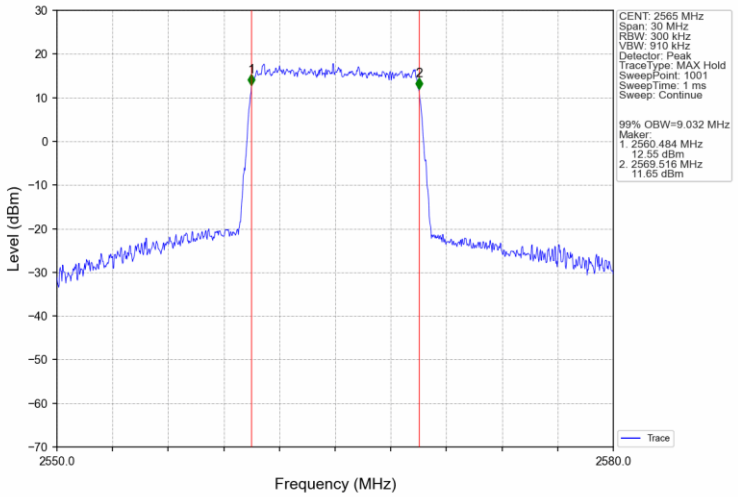
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



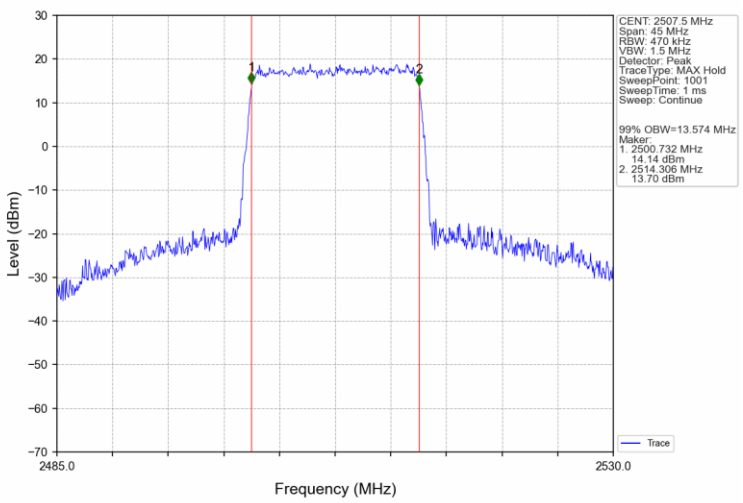
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



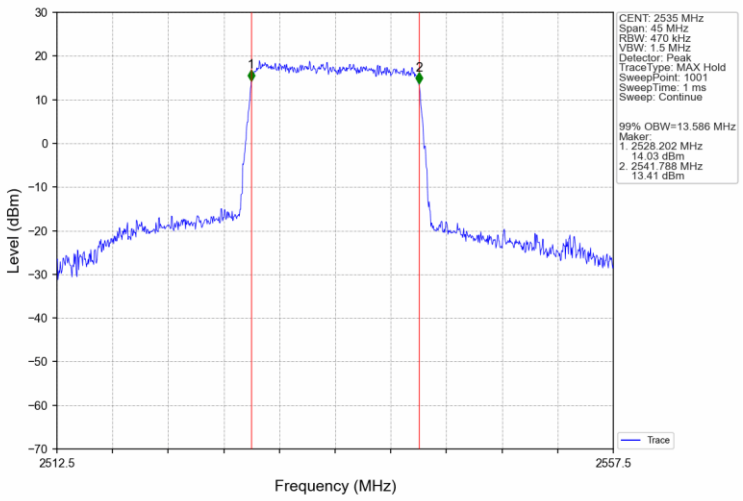
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



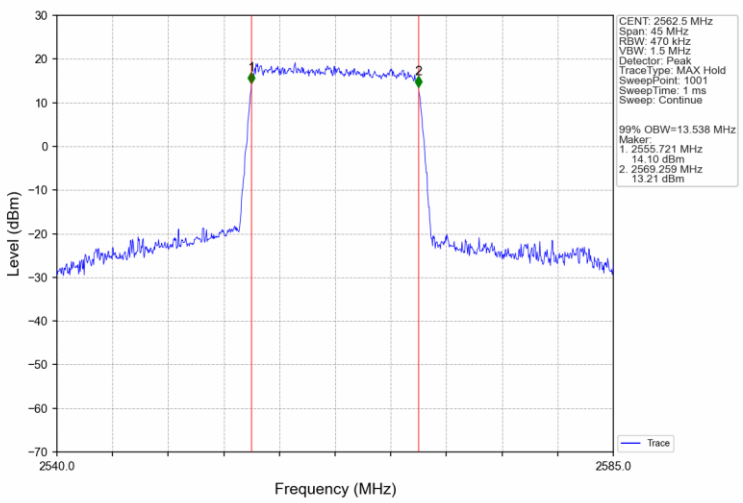
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



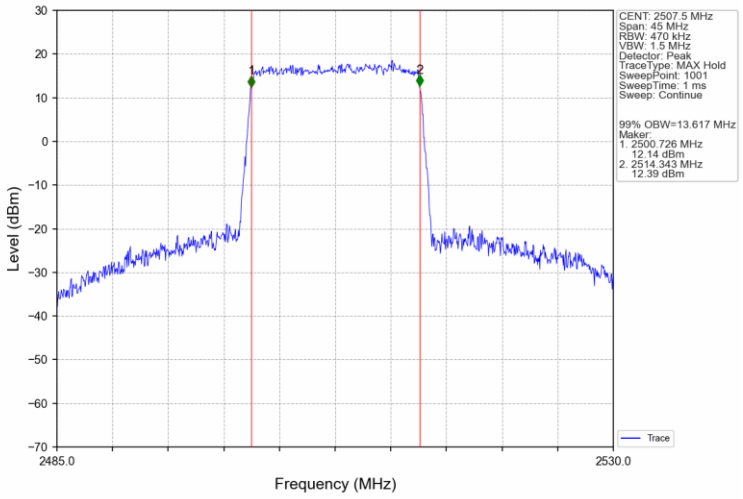
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



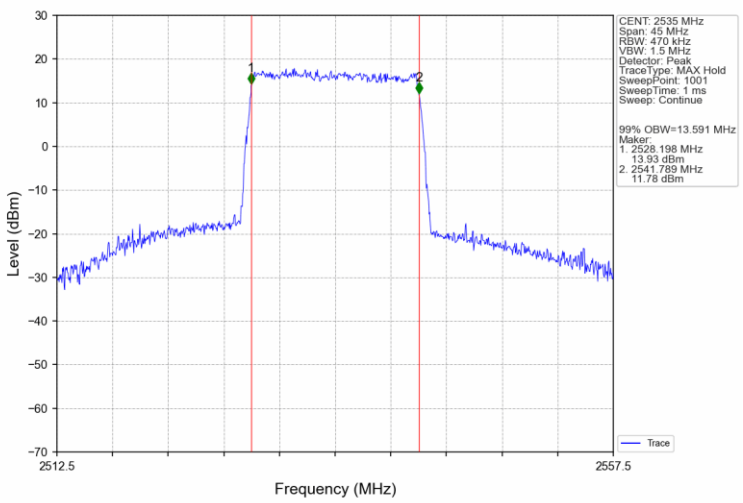
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



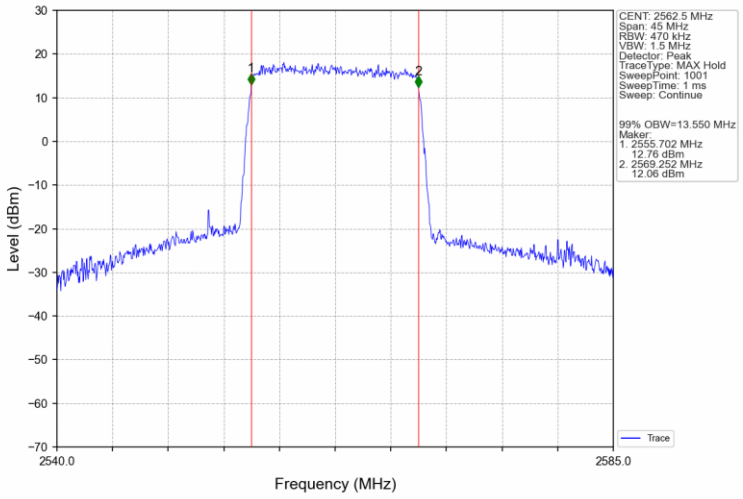
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV

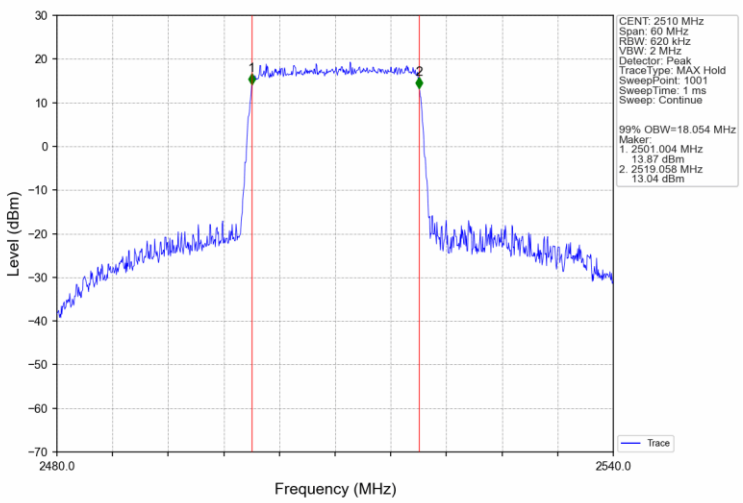
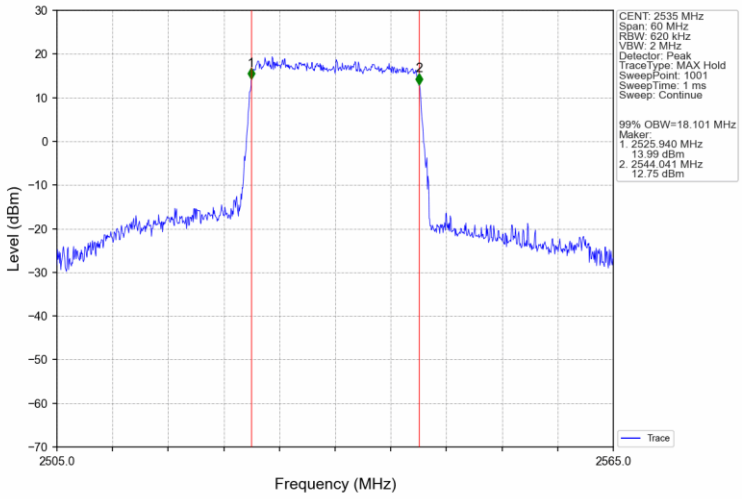


Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV

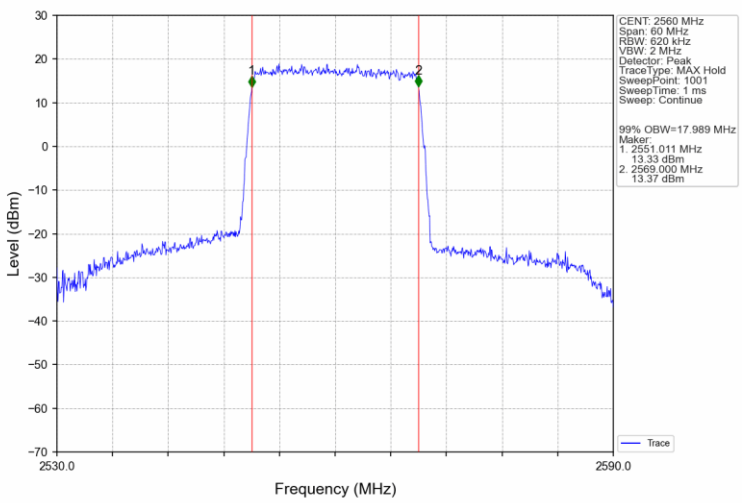


Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV

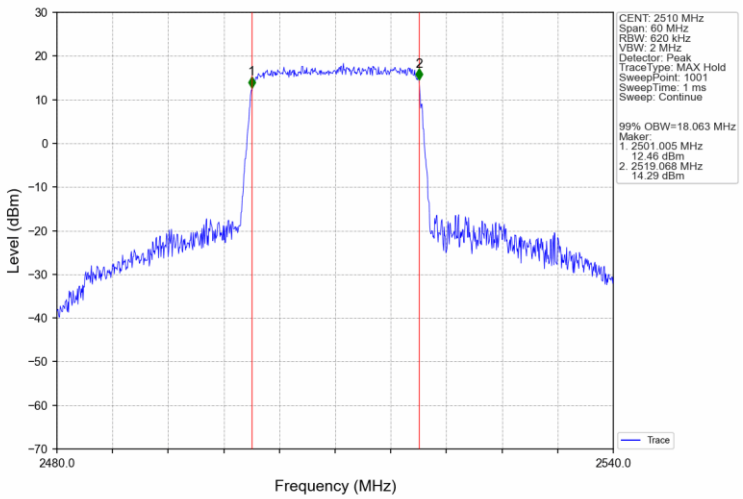


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV


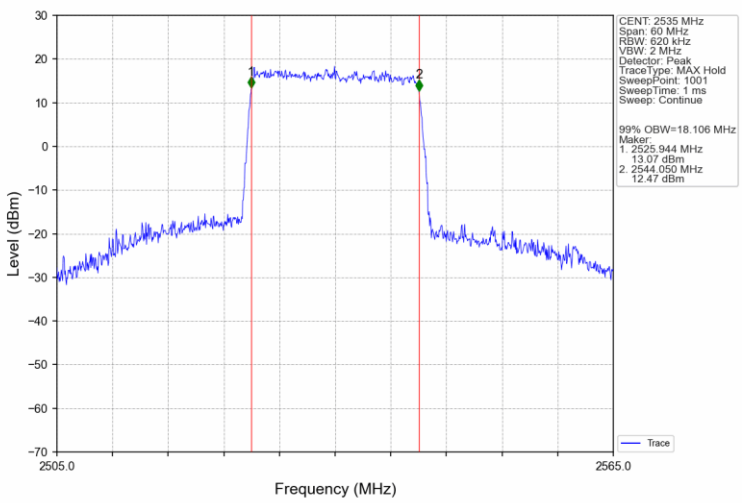
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



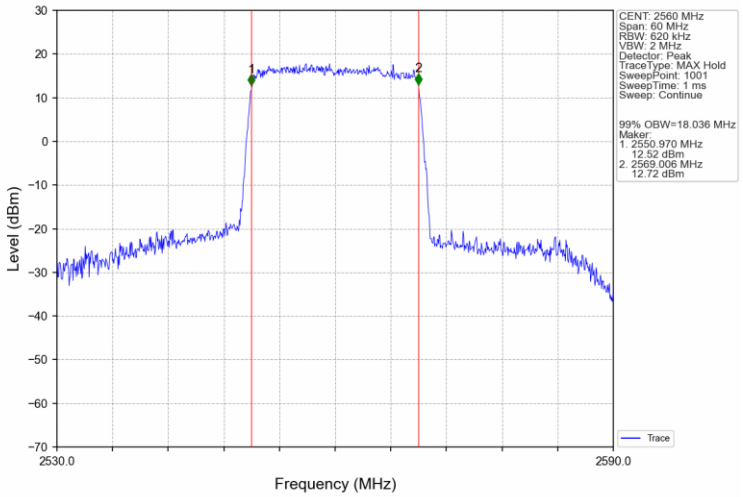
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

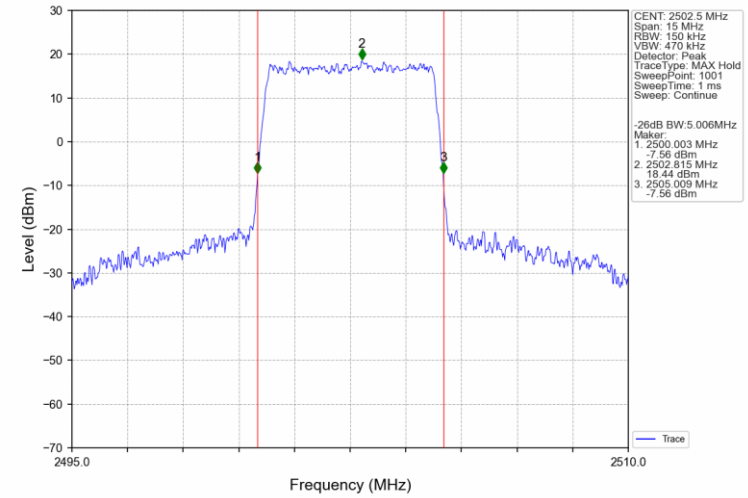


Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

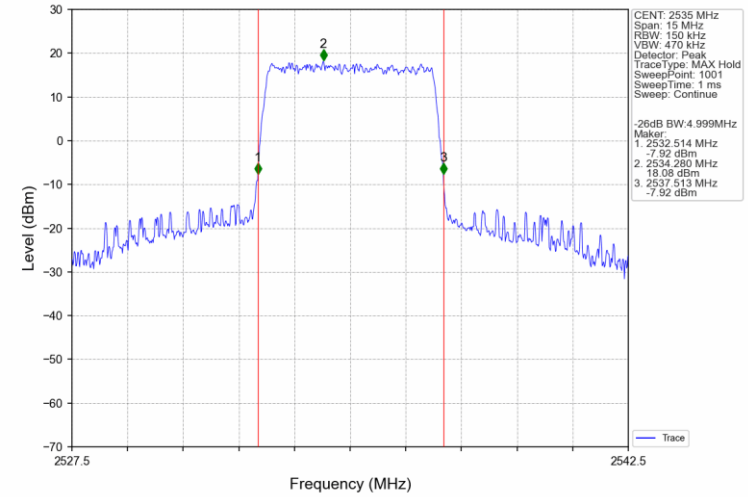


4.2.2 Band7_XDB

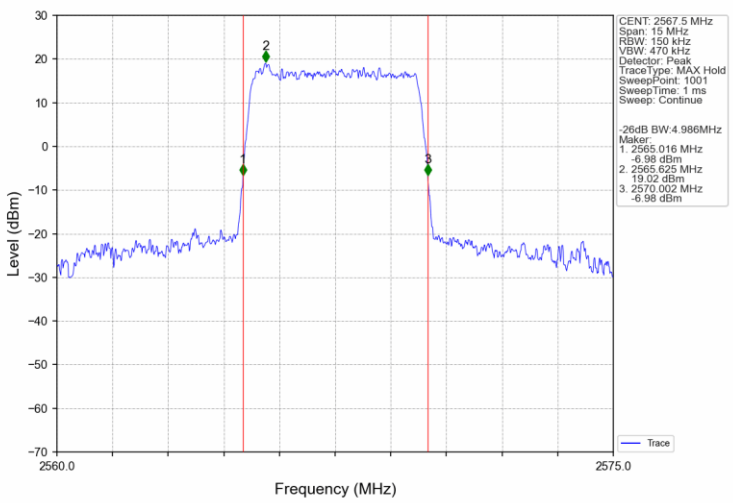
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



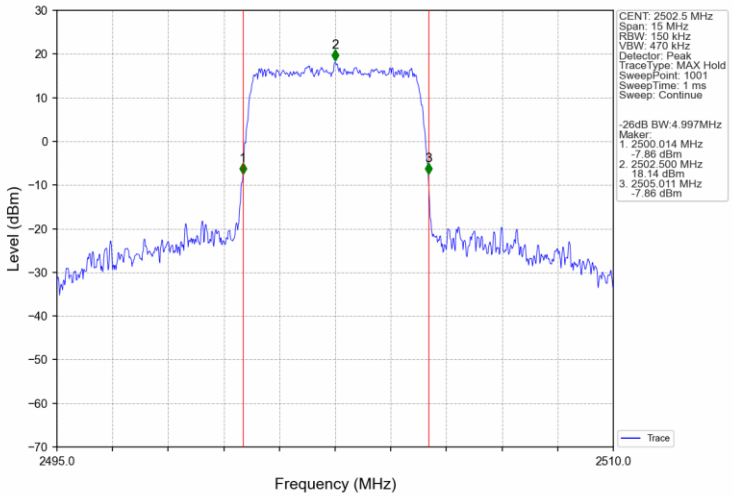
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV

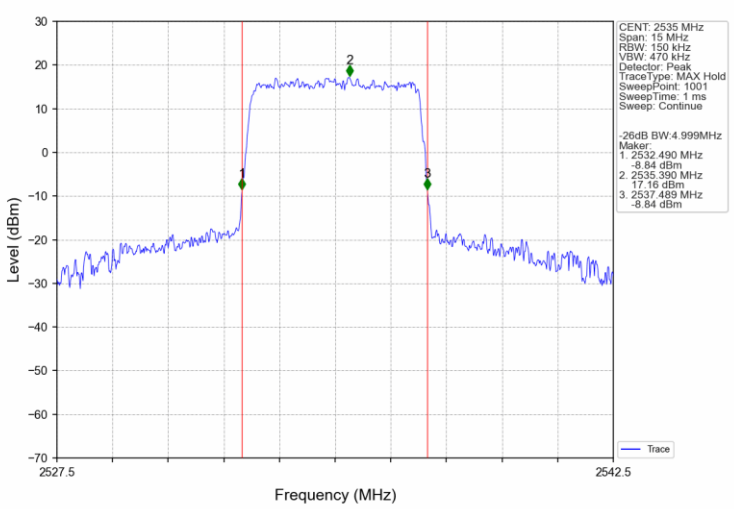
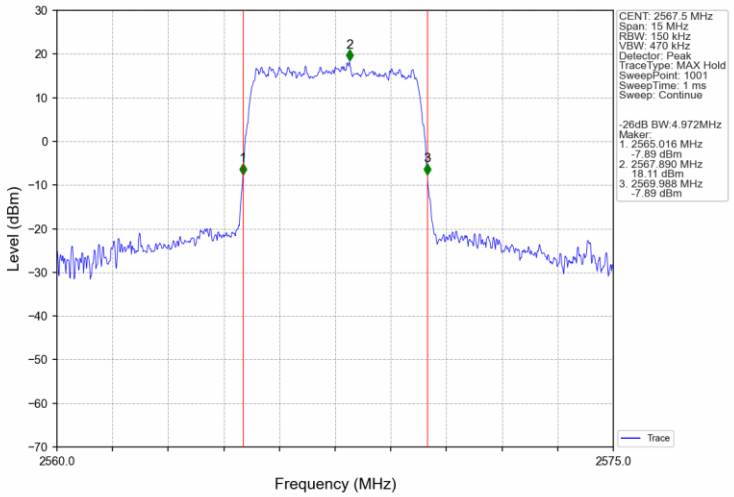


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

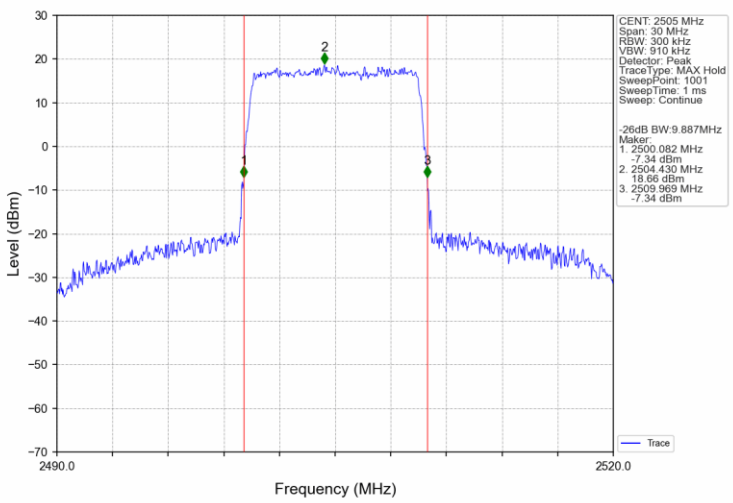


Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV

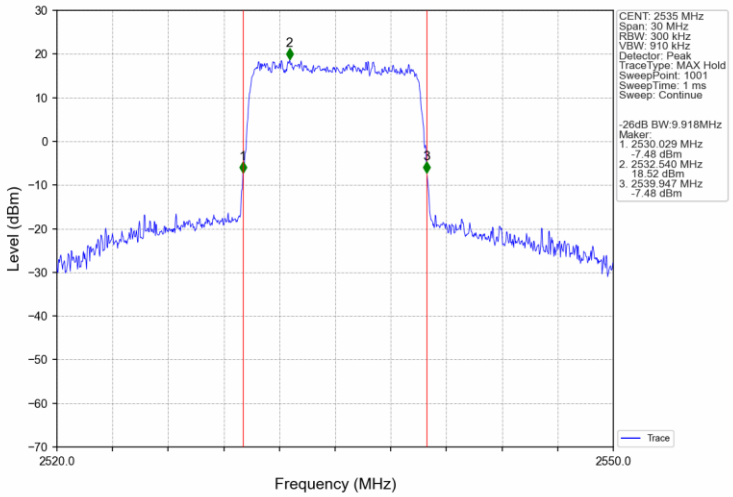


Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV


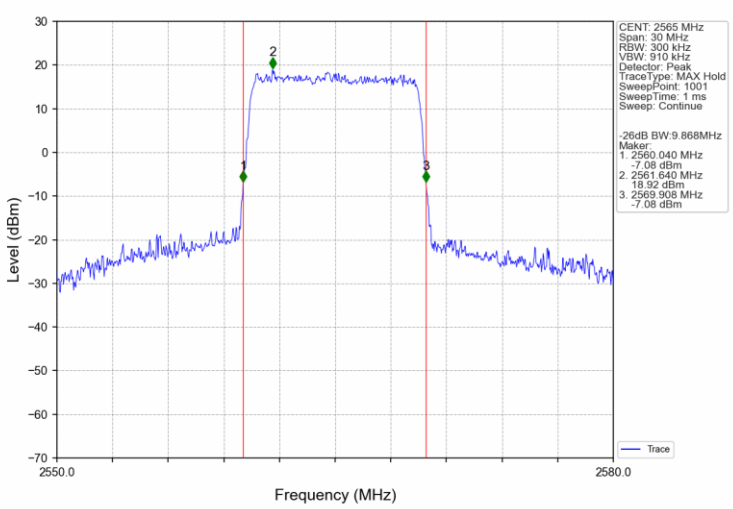
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



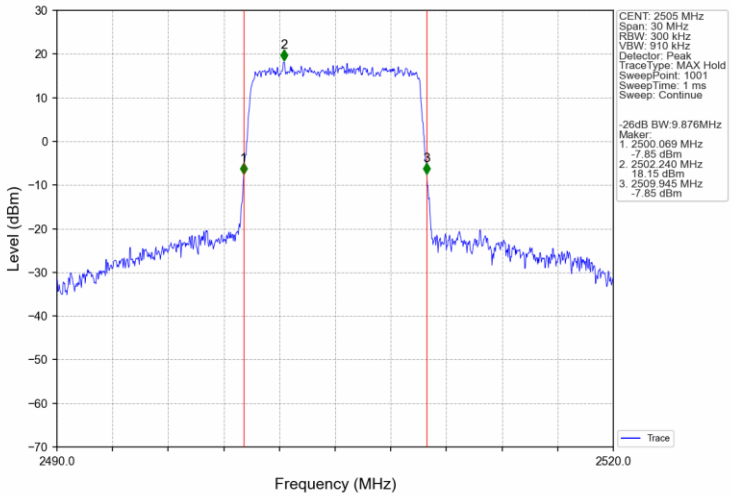
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV

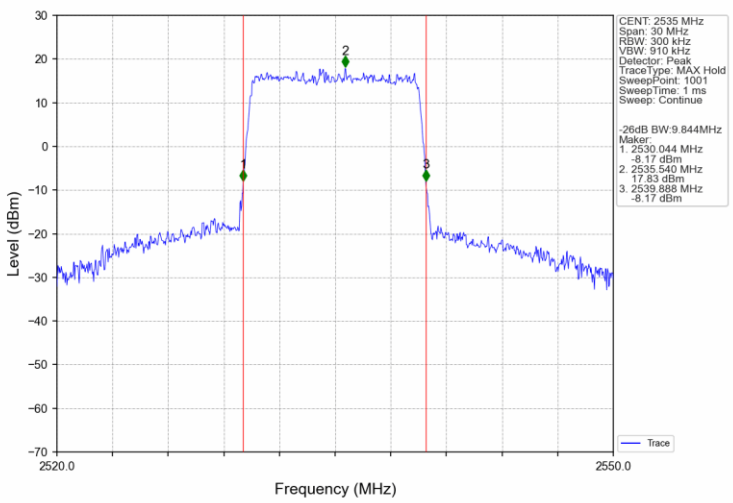
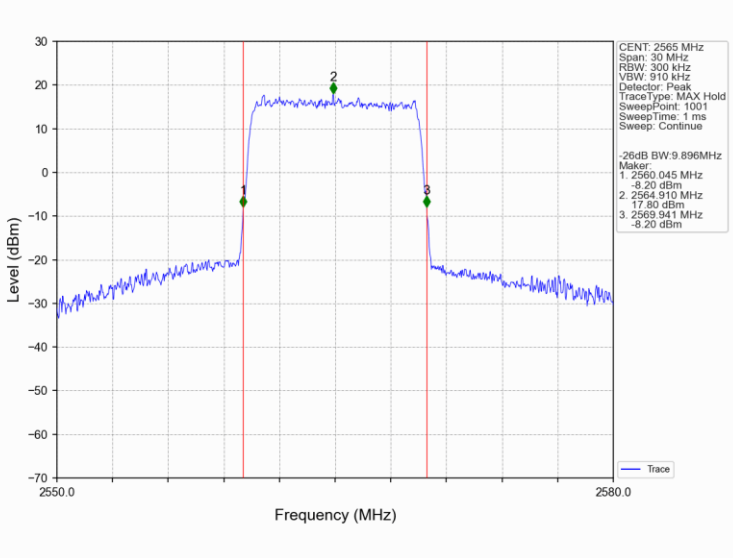


Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV

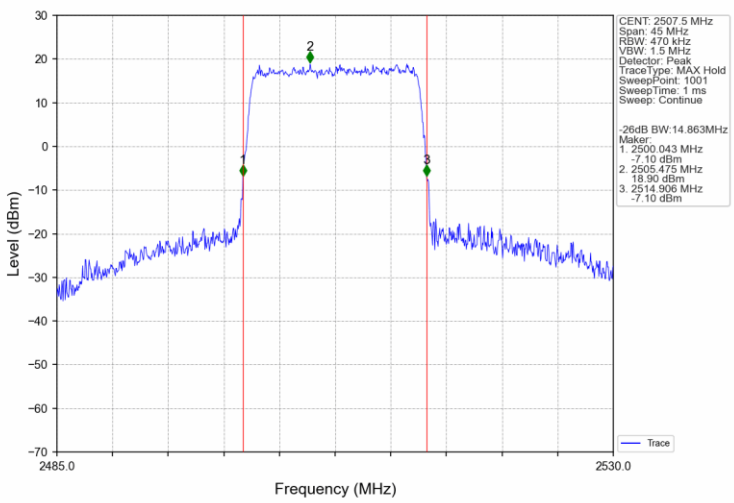


Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV

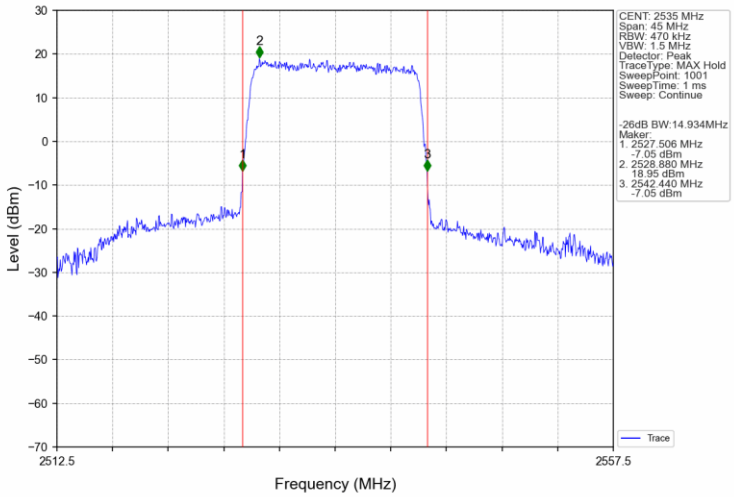


Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV

Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV


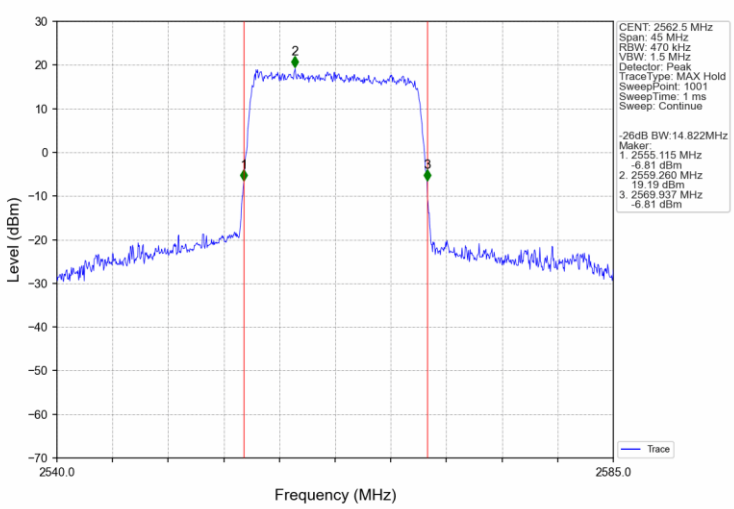
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



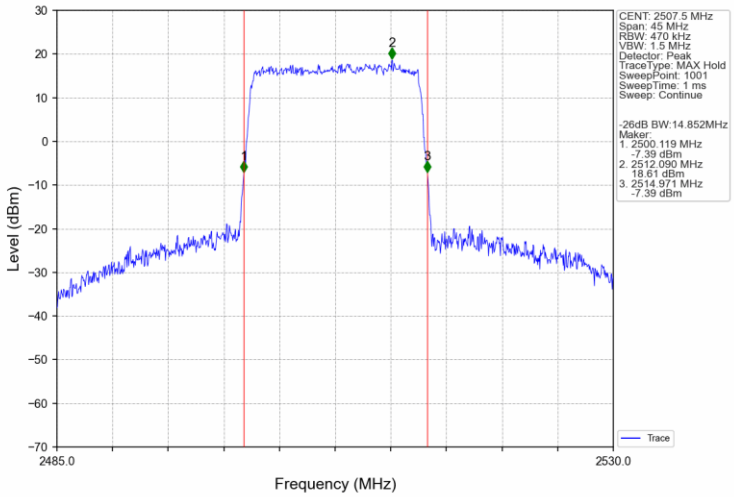
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



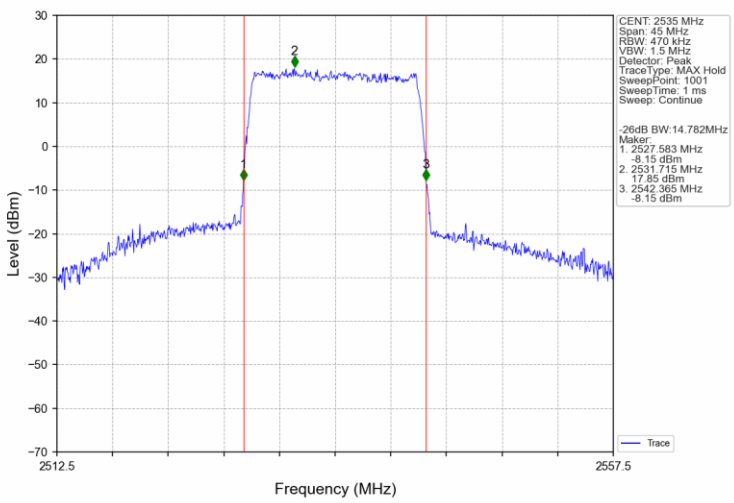
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



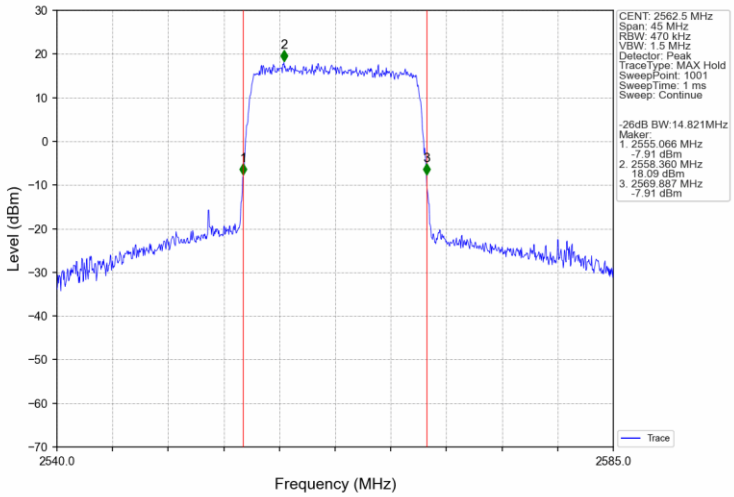
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV

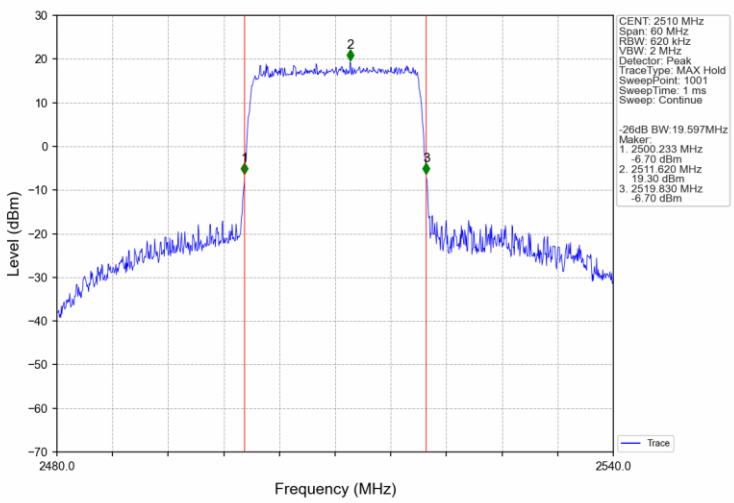
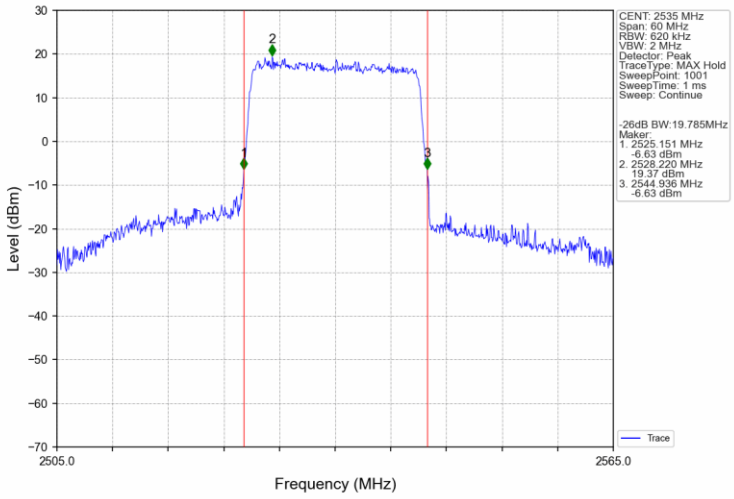


Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV

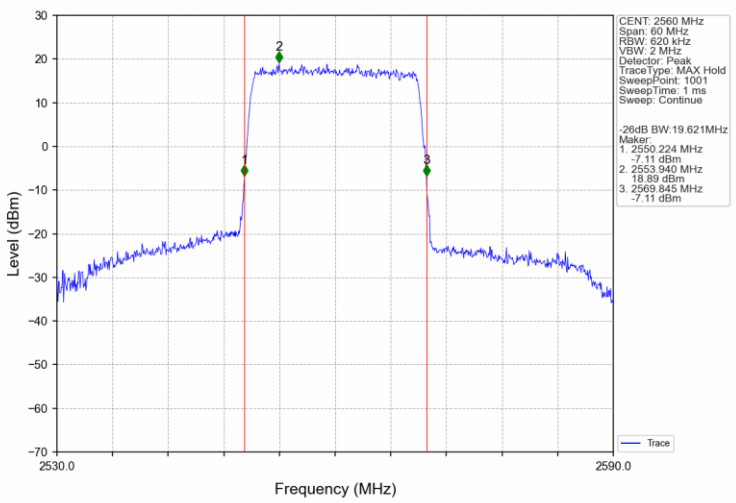


Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV

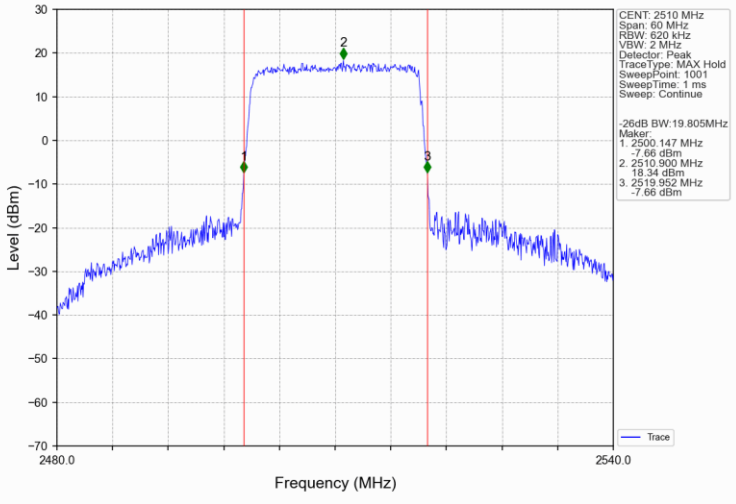


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV


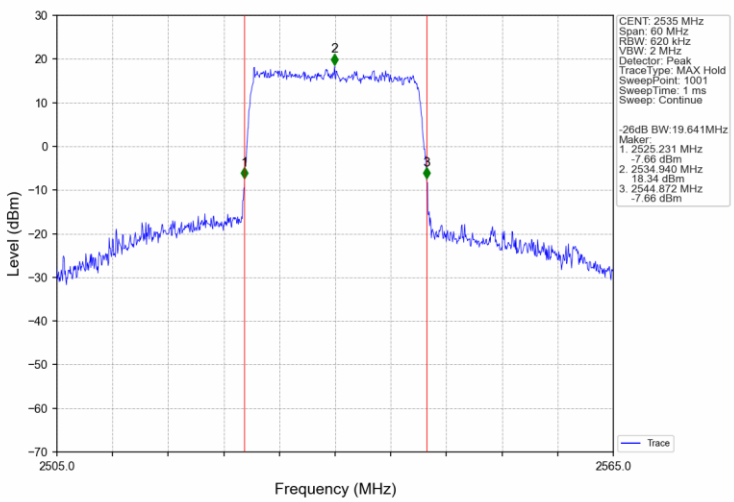
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



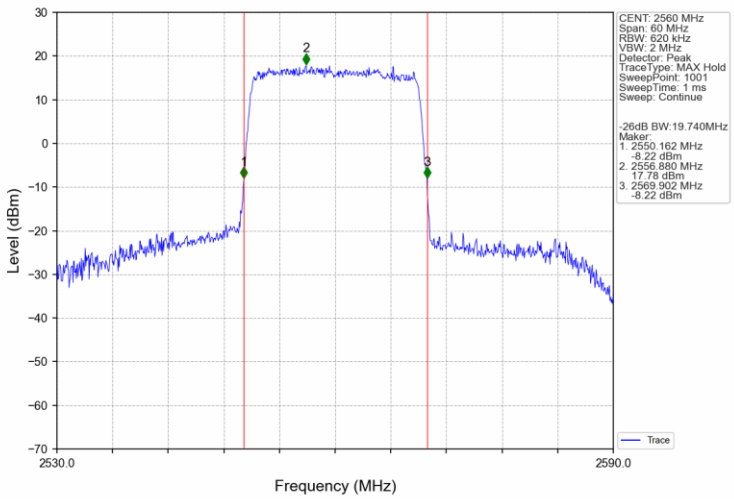
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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	5.51	<=13	Pass
	2535	25	0	5.67	<=13	Pass
	2567.5	25	0	5.71	<=13	Pass
16QAM	2502.5	25	0	6.25	<=13	Pass
	2535	25	0	6.42	<=13	Pass
	2567.5	25	0	6.39	<=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	5.53	<=13	Pass
	2535	50	0	5.61	<=13	Pass
	2565	50	0	5.64	<=13	Pass
16QAM	2505	50	0	6.32	<=13	Pass
	2535	50	0	6.38	<=13	Pass
	2565	50	0	6.44	<=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	5.75	<=13	Pass
	2535	75	0	5.82	<=13	Pass
	2562.5	75	0	5.91	<=13	Pass
16QAM	2507.5	75	0	6.36	<=13	Pass
	2535	75	0	6.43	<=13	Pass
	2562.5	75	0	6.51	<=13	Pass

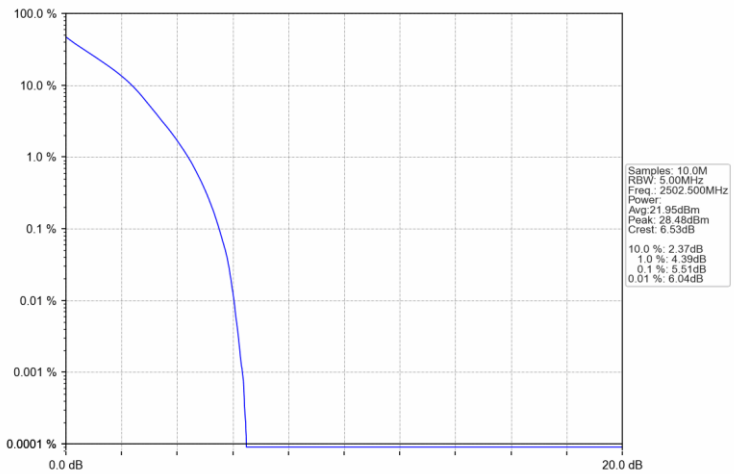
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.47	<=13	Pass
	2535	100	0	5.63	<=13	Pass
	2560	100	0	5.59	<=13	Pass
16QAM	2510	100	0	6.29	<=13	Pass
	2535	100	0	6.35	<=13	Pass
	2560	100	0	6.41	<=13	Pass

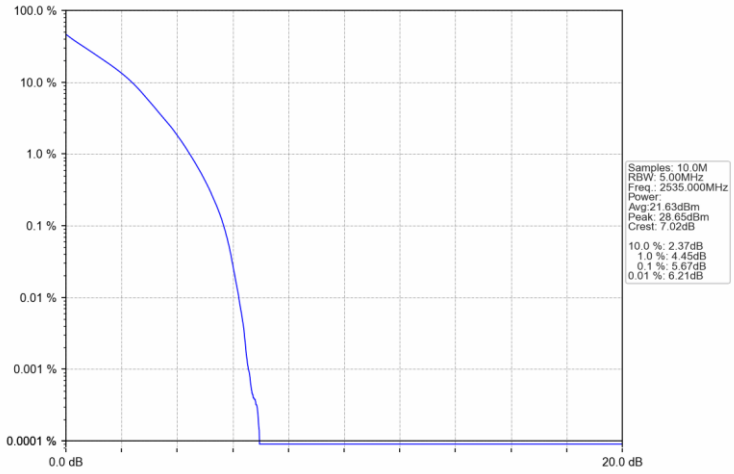
5.2 Test Graph

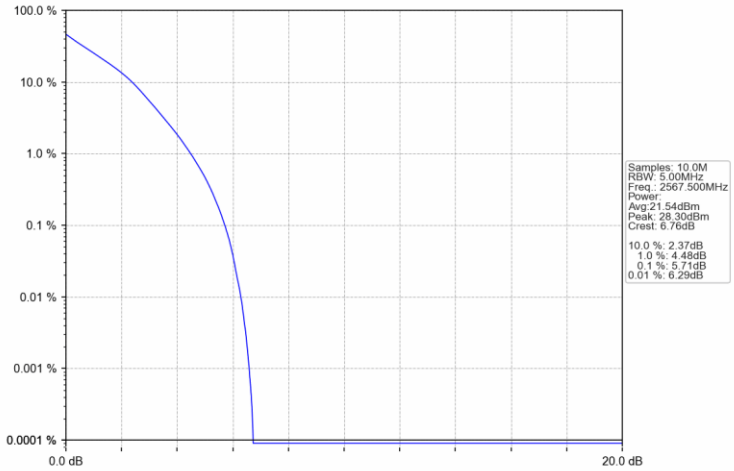
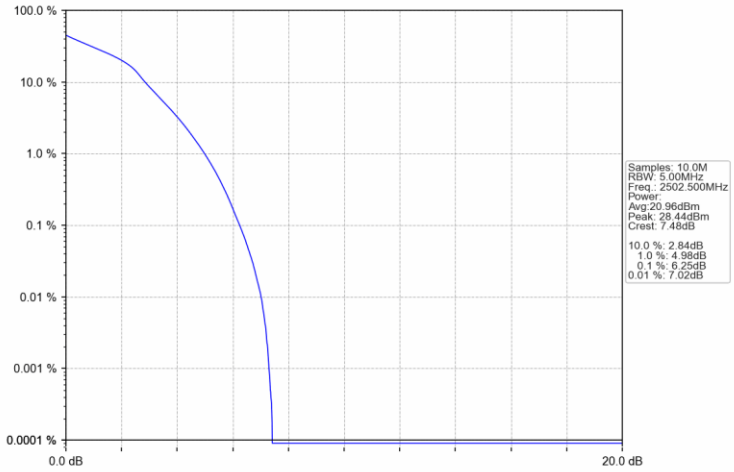
5.2.1 B7_5MHz

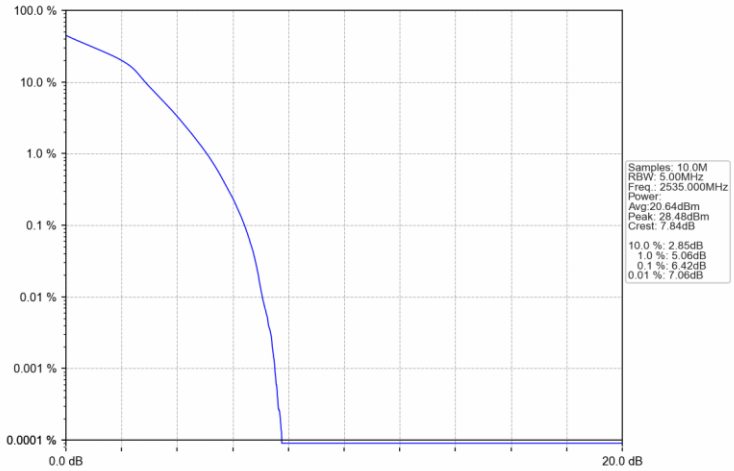
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



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