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	23.75	2.15	25.90	<=33.01	Pass
			13	23.85	2.15	26.00	<=33.01	Pass
			24	23.76	2.15	25.91	<=33.01	Pass
		12	0	22.73	2.15	24.88	<=33.01	Pass
			6	22.80	2.15	24.95	<=33.01	Pass
			13	22.65	2.15	24.80	<=33.01	Pass
		25	0	22.37	2.15	24.52	<=33.01	Pass
	2535	1	0	23.23	2.15	25.38	<=33.01	Pass
			13	23.34	2.15	25.49	<=33.01	Pass
			24	23.25	2.15	25.40	<=33.01	Pass
		12	0	22.25	2.15	24.40	<=33.01	Pass
			6	22.31	2.15	24.46	<=33.01	Pass
			13	22.28	2.15	24.43	<=33.01	Pass
		25	0	22.28	2.15	24.43	<=33.01	Pass
	2567.5	1	0	23.10	2.15	25.25	<=33.01	Pass
			13	23.23	2.15	25.38	<=33.01	Pass
			24	23.11	2.15	25.26	<=33.01	Pass
		12	0	22.17	2.15	24.32	<=33.01	Pass
			6	22.22	2.15	24.37	<=33.01	Pass
			13	22.18	2.15	24.33	<=33.01	Pass
		25	0	22.16	2.15	24.31	<=33.01	Pass
16QAM	2502.5	1	0	22.30	2.15	24.45	<=33.01	Pass
			13	22.42	2.15	24.57	<=33.01	Pass
			24	22.30	2.15	24.45	<=33.01	Pass
		12	0	21.21	2.15	23.36	<=33.01	Pass
			6	21.28	2.15	23.43	<=33.01	Pass
			13	21.31	2.15	23.46	<=33.01	Pass
		25	0	21.30	2.15	23.45	<=33.01	Pass
	2535	1	0	22.49	2.15	24.64	<=33.01	Pass
			13	22.53	2.15	24.68	<=33.01	Pass
			24	22.44	2.15	24.59	<=33.01	Pass
		12	0	21.26	2.15	23.41	<=33.01	Pass
			6	21.35	2.15	23.50	<=33.01	Pass
			13	21.34	2.15	23.49	<=33.01	Pass
		25	0	21.28	2.15	23.43	<=33.01	Pass
	2567.5	1	0	21.94	2.15	24.09	<=33.01	Pass
			13	22.05	2.15	24.20	<=33.01	Pass
			24	21.95	2.15	24.10	<=33.01	Pass
		12	0	21.15	2.15	23.30	<=33.01	Pass
			6	21.21	2.15	23.36	<=33.01	Pass
			13	21.14	2.15	23.29	<=33.01	Pass
		25	0	21.19	2.15	23.34	<=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	23.28	2.15	25.43	<=33.01	Pass
			25	23.50	2.15	25.65	<=33.01	Pass
			49	23.39	2.15	25.54	<=33.01	Pass
		25	0	22.26	2.15	24.41	<=33.01	Pass
			13	22.37	2.15	24.52	<=33.01	Pass
			25	22.41	2.15	24.56	<=33.01	Pass
		50	0	22.35	2.15	24.50	<=33.01	Pass
	2535	1	0	23.35	2.15	25.50	<=33.01	Pass
			25	23.53	2.15	25.68	<=33.01	Pass
			49	23.34	2.15	25.49	<=33.01	Pass
		25	0	22.29	2.15	24.44	<=33.01	Pass
			13	22.27	2.15	24.42	<=33.01	Pass
			25	22.33	2.15	24.48	<=33.01	Pass
		50	0	22.33	2.15	24.48	<=33.01	Pass
	2565	1	0	23.14	2.15	25.29	<=33.01	Pass
			25	23.28	2.15	25.43	<=33.01	Pass
			49	23.13	2.15	25.28	<=33.01	Pass
		25	0	22.15	2.15	24.30	<=33.01	Pass
			13	22.14	2.15	24.29	<=33.01	Pass
			25	22.19	2.15	24.34	<=33.01	Pass
		50	0	22.13	2.15	24.28	<=33.01	Pass
16QAM	2505	1	0	22.75	2.15	24.90	<=33.01	Pass
			25	22.95	2.15	25.10	<=33.01	Pass
			49	22.88	2.15	25.03	<=33.01	Pass
		25	0	21.33	2.15	23.48	<=33.01	Pass
			13	21.43	2.15	23.58	<=33.01	Pass
			25	21.48	2.15	23.63	<=33.01	Pass
		50	0	21.37	2.15	23.52	<=33.01	Pass
	2535	1	0	22.27	2.15	24.42	<=33.01	Pass
			25	22.43	2.15	24.58	<=33.01	Pass
			49	22.24	2.15	24.39	<=33.01	Pass
		25	0	21.37	2.15	23.52	<=33.01	Pass
			13	21.41	2.15	23.56	<=33.01	Pass
			25	21.40	2.15	23.55	<=33.01	Pass
		50	0	21.31	2.15	23.46	<=33.01	Pass
	2565	1	0	22.22	2.15	24.37	<=33.01	Pass
			25	22.39	2.15	24.54	<=33.01	Pass
			49	22.19	2.15	24.34	<=33.01	Pass
		25	0	21.15	2.15	23.30	<=33.01	Pass
			13	21.13	2.15	23.28	<=33.01	Pass
			25	21.17	2.15	23.32	<=33.01	Pass
		50	0	21.10	2.15	23.25	<=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	23.15	2.15	25.30	<=33.01	Pass
			38	23.29	2.15	25.44	<=33.01	Pass
			74	23.21	2.15	25.36	<=33.01	Pass
		36	0	22.24	2.15	24.39	<=33.01	Pass
			18	22.35	2.15	24.50	<=33.01	Pass
			39	22.40	2.15	24.55	<=33.01	Pass
		75	0	22.31	2.15	24.46	<=33.01	Pass
	2535	1	0	23.19	2.15	25.34	<=33.01	Pass
			38	23.29	2.15	25.44	<=33.01	Pass
			74	23.17	2.15	25.32	<=33.01	Pass
		36	0	22.32	2.15	24.47	<=33.01	Pass
			18	22.34	2.15	24.49	<=33.01	Pass
			39	22.38	2.15	24.53	<=33.01	Pass
		75	0	22.33	2.15	24.48	<=33.01	Pass
	2562.5	1	0	23.04	2.15	25.19	<=33.01	Pass
			38	23.16	2.15	25.31	<=33.01	Pass
			74	23.03	2.15	25.18	<=33.01	Pass
		36	0	22.22	2.15	24.37	<=33.01	Pass
			18	22.22	2.15	24.37	<=33.01	Pass
			39	22.23	2.15	24.38	<=33.01	Pass
		75	0	22.22	2.15	24.37	<=33.01	Pass
16QAM	2507.5	1	0	22.41	2.15	24.56	<=33.01	Pass
			38	22.59	2.15	24.74	<=33.01	Pass
			74	22.46	2.15	24.61	<=33.01	Pass
		36	0	21.18	2.15	23.33	<=33.01	Pass
			18	21.32	2.15	23.47	<=33.01	Pass
			39	21.36	2.15	23.51	<=33.01	Pass
		75	0	21.31	2.15	23.46	<=33.01	Pass
	2535	1	0	22.36	2.15	24.51	<=33.01	Pass
			38	22.41	2.15	24.56	<=33.01	Pass
			74	22.25	2.15	24.40	<=33.01	Pass
		36	0	21.28	2.15	23.43	<=33.01	Pass
			18	21.32	2.15	23.47	<=33.01	Pass
			39	21.32	2.15	23.47	<=33.01	Pass
		75	0	21.32	2.15	23.47	<=33.01	Pass
	2562.5	1	0	22.49	2.15	24.64	<=33.01	Pass
			38	22.60	2.15	24.75	<=33.01	Pass
			74	22.41	2.15	24.56	<=33.01	Pass
		36	0	21.24	2.15	23.39	<=33.01	Pass
			18	21.20	2.15	23.35	<=33.01	Pass
			39	21.21	2.15	23.36	<=33.01	Pass
		75	0	21.21	2.15	23.36	<=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	22.95	2.15	25.10	<=33.01	Pass
			50	23.46	2.15	25.61	<=33.01	Pass
			99	23.05	2.15	25.20	<=33.01	Pass
		50	0	22.08	2.15	24.23	<=33.01	Pass
			25	22.28	2.15	24.43	<=33.01	Pass
			50	22.32	2.15	24.47	<=33.01	Pass
		100	0	22.19	2.15	24.34	<=33.01	Pass
	2535	1	0	22.99	2.15	25.14	<=33.01	Pass
			50	23.42	2.15	25.57	<=33.01	Pass
			99	22.99	2.15	25.14	<=33.01	Pass
		50	0	22.19	2.15	24.34	<=33.01	Pass
			25	22.26	2.15	24.41	<=33.01	Pass
			50	22.29	2.15	24.44	<=33.01	Pass
		100	0	22.26	2.15	24.41	<=33.01	Pass
	2560	1	0	22.95	2.15	25.10	<=33.01	Pass
			50	23.38	2.15	25.53	<=33.01	Pass
			99	22.98	2.15	25.13	<=33.01	Pass
		50	0	22.22	2.15	24.37	<=33.01	Pass
			25	22.18	2.15	24.33	<=33.01	Pass
			50	22.17	2.15	24.32	<=33.01	Pass
		100	0	22.16	2.15	24.31	<=33.01	Pass
16QAM	2510	1	0	22.19	2.15	24.34	<=33.01	Pass
			50	22.67	2.15	24.82	<=33.01	Pass
			99	22.33	2.15	24.48	<=33.01	Pass
		50	0	21.14	2.15	23.29	<=33.01	Pass
			25	21.28	2.15	23.43	<=33.01	Pass
			50	21.28	2.15	23.43	<=33.01	Pass
		100	0	21.25	2.15	23.40	<=33.01	Pass
	2535	1	0	22.47	2.15	24.62	<=33.01	Pass
			50	22.89	2.15	25.04	<=33.01	Pass
			99	22.48	2.15	24.63	<=33.01	Pass
		50	0	21.22	2.15	23.37	<=33.01	Pass
			25	21.29	2.15	23.44	<=33.01	Pass
			50	21.31	2.15	23.46	<=33.01	Pass
		100	0	21.31	2.15	23.46	<=33.01	Pass
	2560	1	0	22.11	2.15	24.26	<=33.01	Pass
			50	22.49	2.15	24.64	<=33.01	Pass
			99	22.05	2.15	24.20	<=33.01	Pass
		50	0	21.23	2.15	23.38	<=33.01	Pass
			25	21.19	2.15	23.34	<=33.01	Pass
			50	21.10	2.15	23.25	<=33.01	Pass
		100	0	21.16	2.15	23.31	<=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	-1.974	-0.0008	-2.5 to 2.5	Pass
					3.85	6.437	0.0026	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.675	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	8.698	0.0035	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	3.85	7.181	0.0029	-2.5 to 2.5	Pass
				30	3.85	7.024	0.0028	-2.5 to 2.5	Pass
				40	3.85	2.704	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.675	0.0011	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	0.114	0.0000	-2.5 to 2.5	Pass
					3.85	-16.022	-0.0063	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
				0	3.85	3.061	0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0015	-2.5 to 2.5	Pass
				30	3.85	2.117	0.0008	-2.5 to 2.5	Pass
				40	3.85	-8.626	-0.0034	-2.5 to 2.5	Pass
				50	3.85	0.544	0.0002	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-13.576	-0.0053	-2.5 to 2.5	Pass
					3.85	-7.396	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.495	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-7.095	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.638	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-8.225	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-6.566	-0.0026	-2.5 to 2.5	Pass
				40	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				50	3.85	-9.413	-0.0037	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-16.437	-0.0066	-2.5 to 2.5	Pass
					3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-7.367	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-5.765	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.450	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-1.931	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.516	0.0006	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	2.604	0.0010	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.091	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0006	-2.5 to 2.5	Pass

				0	3.85	-12.159	-0.0048	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-8.984	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0023	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-11.988	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.644	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-8.769	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.661	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-7.896	-0.0031	-2.5 to 2.5	Pass
				30	3.85	1.416	0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				50	3.85	5.779	0.0023	-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	-14.033	-0.0056	-2.5 to 2.5	Pass
					3.85	-4.420	-0.0018	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-11.473	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-6.638	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-9.055	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-12.488	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-8.597	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-2.460	-0.0010	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0000	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-10.228	-0.0040	-2.5 to 2.5	Pass
					3.85	1.330	0.0005	-2.5 to 2.5	Pass
					4.43	-9.370	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-8.297	-0.0033	-2.5 to 2.5	Pass
				0	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-6.623	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.835	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.719	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				40	3.85	-10.672	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-5.107	-0.0020	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-0.615	-0.0002	-2.5 to 2.5	Pass
					3.85	-2.904	-0.0012	-2.5 to 2.5	Pass
					4.43	-5.150	-0.0021	-2.5 to 2.5	Pass

				-30	3.85	-3.533	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.134	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.403	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.219	-0.0013	-2.5 to 2.5	Pass
				50	3.85	2.561	0.0010	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-0.114	0.0000	-2.5 to 2.5	Pass
					3.85	1.960	0.0008	-2.5 to 2.5	Pass
					4.43	-0.629	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-6.208	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				0	3.85	5.193	0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.702	0.0007	-2.5 to 2.5	Pass
				40	3.85	4.435	0.0017	-2.5 to 2.5	Pass
				50	3.85	1.717	0.0007	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	1.702	0.0007	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-11.258	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-11.029	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-10.057	-0.0039	-2.5 to 2.5	Pass
				40	3.85	3.676	0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.951	-0.0023	-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	-8.841	-0.0035	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
					4.43	0.672	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-9.427	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-9.384	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-11.415	-0.0046	-2.5 to 2.5	Pass
				30	3.85	1.101	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.875	0.0011	-2.5 to 2.5	Pass
				50	3.85	6.065	0.0024	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-9.155	-0.0036	-2.5 to 2.5	Pass
					3.85	0.372	0.0001	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-10.242	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-7.854	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-8.812	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0016	-2.5 to 2.5	Pass

	2562.5	75	0	20	3.27	-4.420	-0.0017	-2.5 to 2.5	Pass
					3.85	1.631	0.0006	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-12.932	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				10	3.85	2.632	0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-9.384	-0.0037	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-5.822	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.646	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				-10	3.85	4.749	0.0019	-2.5 to 2.5	Pass
				0	3.85	-7.639	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-4.792	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-10.829	-0.0043	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-3.204	-0.0013	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.562	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-9.270	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-14.048	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-8.526	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-7.725	-0.0030	-2.5 to 2.5	Pass
				50	3.85	1.817	0.0007	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-12.732	-0.0050	-2.5 to 2.5	Pass
					3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.575	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-4.506	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-10.614	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-8.755	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-8.569	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-6.080	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-8.883	-0.0035	-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	-15.535	-0.0062	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0034	-2.5 to 2.5	Pass
					4.43	-4.106	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass

				30	3.85	-6.094	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0024	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-4.792	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
					4.43	-11.444	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-9.584	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-14.391	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-4.849	-0.0019	-2.5 to 2.5	Pass
				0	3.85	2.503	0.0010	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-6.123	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-9.398	-0.0037	-2.5 to 2.5	Pass
					3.85	-12.503	-0.0049	-2.5 to 2.5	Pass
					4.43	-7.768	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-7.424	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-14.534	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-5.193	-0.0020	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-7.710	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
					4.43	-12.803	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
				0	3.85	2.446	0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-0.172	-0.0001	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	3.061	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-8.855	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.435	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				30	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.629	-0.0002	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-2.875	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0007	-2.5 to 2.5	Pass
					4.43	-6.952	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-7.854	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.509	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-9.770	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-7.439	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0031	-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

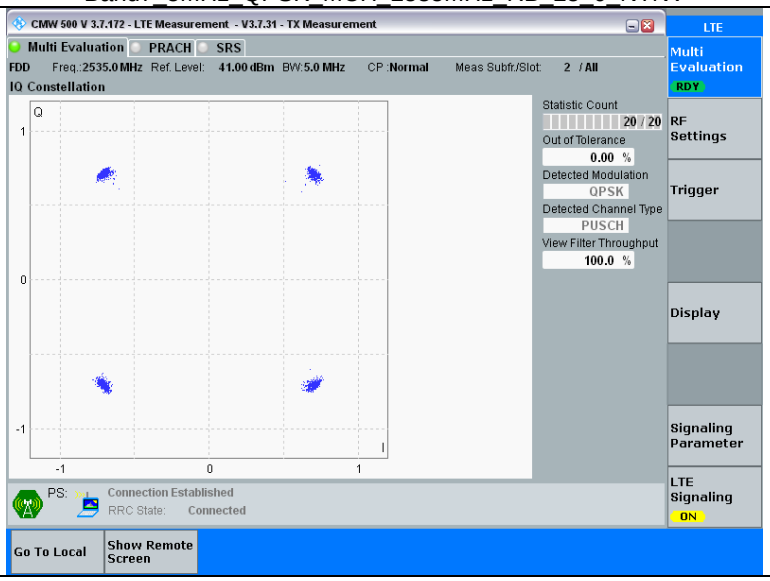
3.1.4 B7_20MHz

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

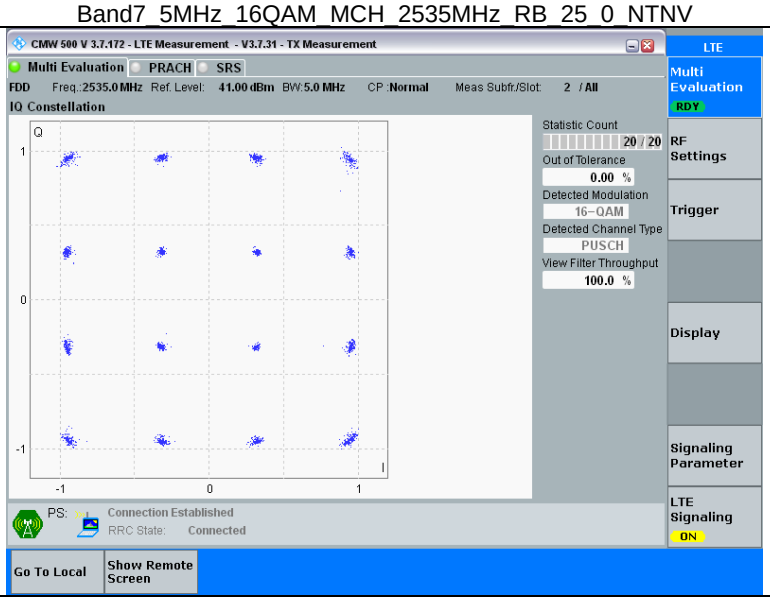
3.2 Test Graph

3.2.1 B7_5MHz

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV

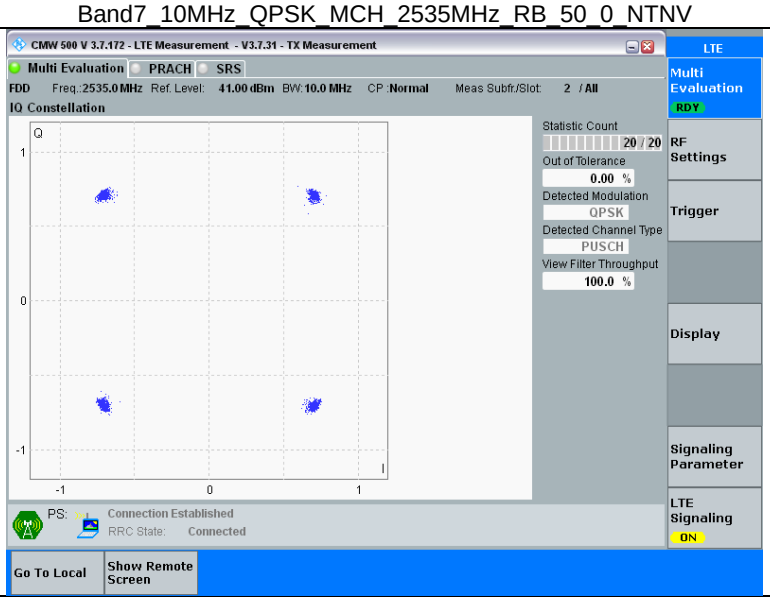


Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

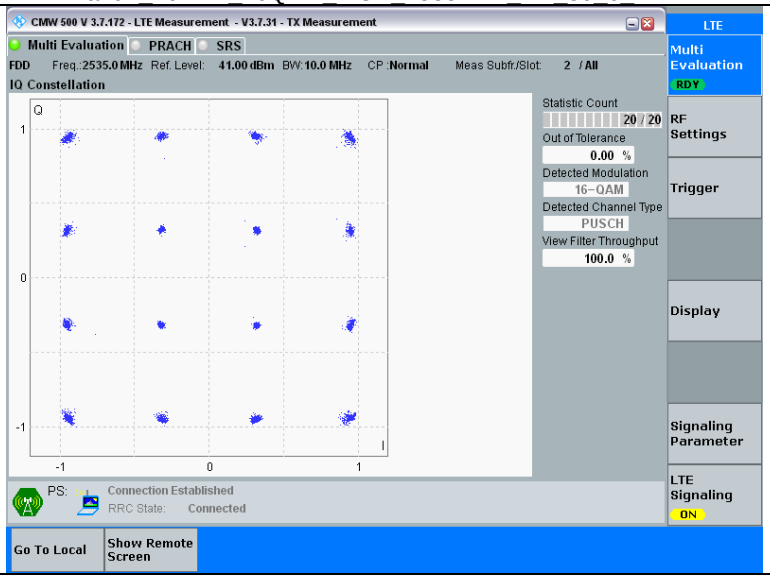


3.2.2 B7_10MHz

Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV

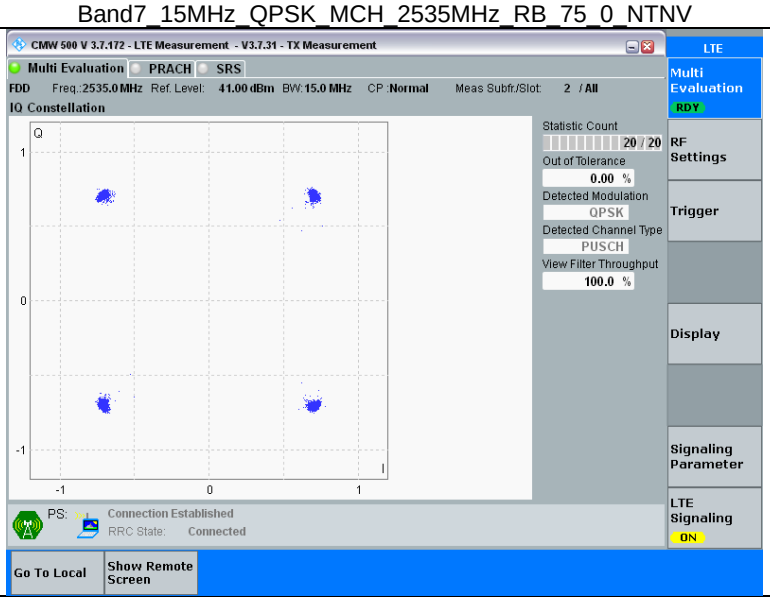


Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV

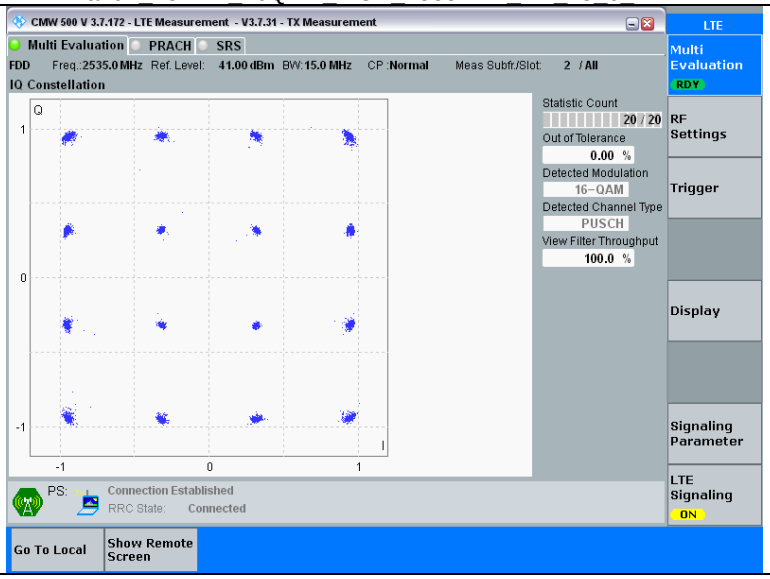


3.2.3 B7_15MHz

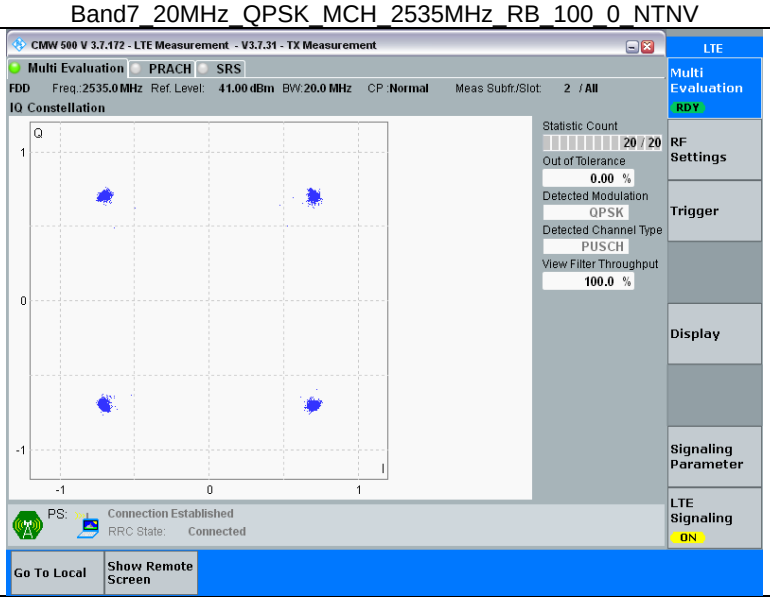
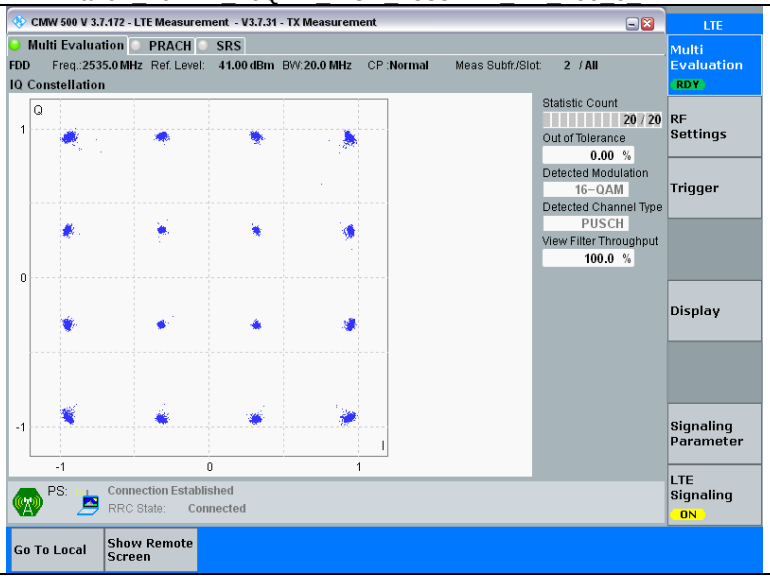
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



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	4.547	/	Pass
		2535	25	0	4.532	/	Pass
		2567.5	25	0	4.544	/	Pass
	16QAM	2502.5	25	0	4.542	/	Pass
		2535	25	0	4.558	/	Pass
		2567.5	25	0	4.519	/	Pass
10	QPSK	2505	50	0	9.063	/	Pass
		2535	50	0	9.042	/	Pass
		2565	50	0	9.043	/	Pass
	16QAM	2505	50	0	9.048	/	Pass
		2535	50	0	9.057	/	Pass
		2565	50	0	9.066	/	Pass
15	QPSK	2507.5	75	0	13.588	/	Pass
		2535	75	0	13.584	/	Pass
		2562.5	75	0	13.586	/	Pass
	16QAM	2507.5	75	0	13.593	/	Pass
		2535	75	0	13.601	/	Pass
		2562.5	75	0	13.585	/	Pass
20	QPSK	2510	100	0	18.093	/	Pass
		2535	100	0	18.100	/	Pass
		2560	100	0	18.092	/	Pass
	16QAM	2510	100	0	18.097	/	Pass
		2535	100	0	18.110	/	Pass
		2560	100	0	18.120	/	Pass

4.1.2 Band7_XDB

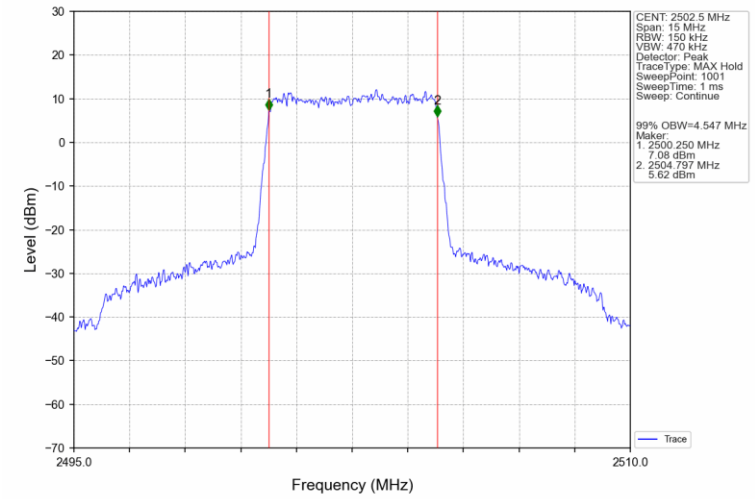
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.018	/	Pass
		2535	25	0	5.030	/	Pass
		2567.5	25	0	5.025	/	Pass
	16QAM	2502.5	25	0	5.024	/	Pass
		2535	25	0	5.026	/	Pass
		2567.5	25	0	4.961	/	Pass
10	QPSK	2505	50	0	10.056	/	Pass
		2535	50	0	9.925	/	Pass
		2565	50	0	10.009	/	Pass
	16QAM	2505	50	0	9.849	/	Pass
		2535	50	0	9.922	/	Pass
		2565	50	0	9.875	/	Pass
15	QPSK	2507.5	75	0	14.903	/	Pass
		2535	75	0	14.882	/	Pass
		2562.5	75	0	15.025	/	Pass
	16QAM	2507.5	75	0	14.915	/	Pass
		2535	75	0	14.888	/	Pass
		2562.5	75	0	14.903	/	Pass
20	QPSK	2510	100	0	19.664	/	Pass

		2535	100	0	19.790	/	Pass
		2560	100	0	19.597	/	Pass
	16QAM	2510	100	0	19.704	/	Pass
		2535	100	0	19.719	/	Pass
		2560	100	0	19.637	/	Pass

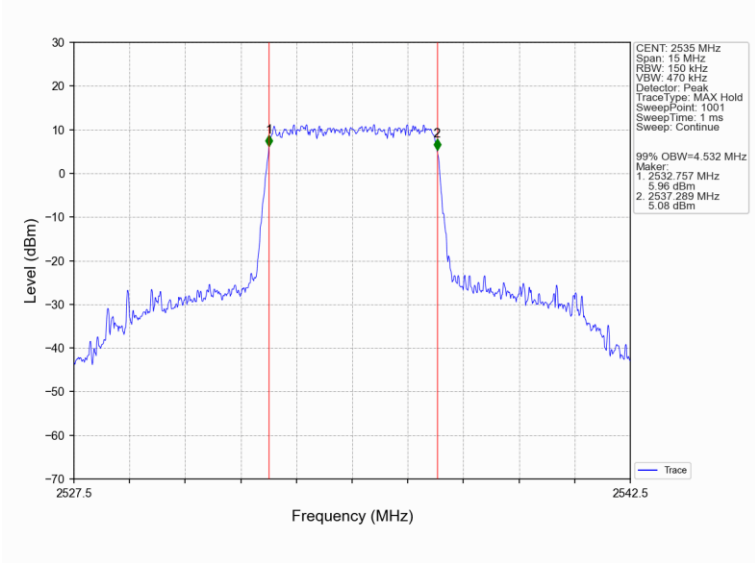
4.2 Test Graph

4.2.1 Band7_OBW

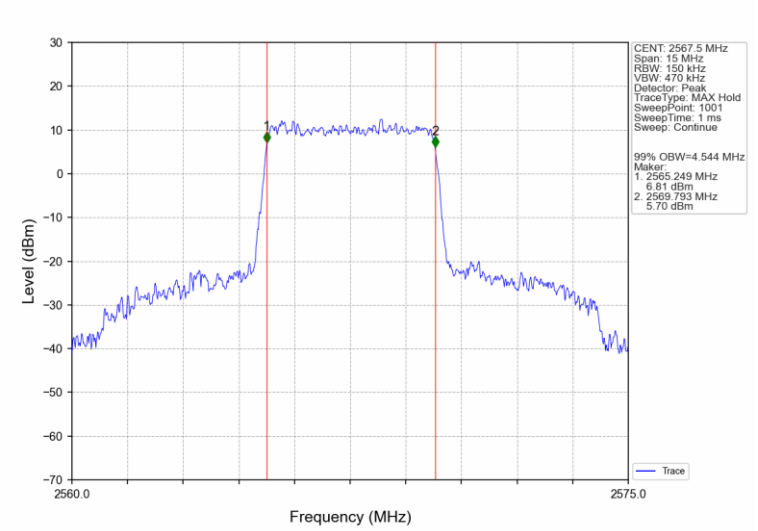
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



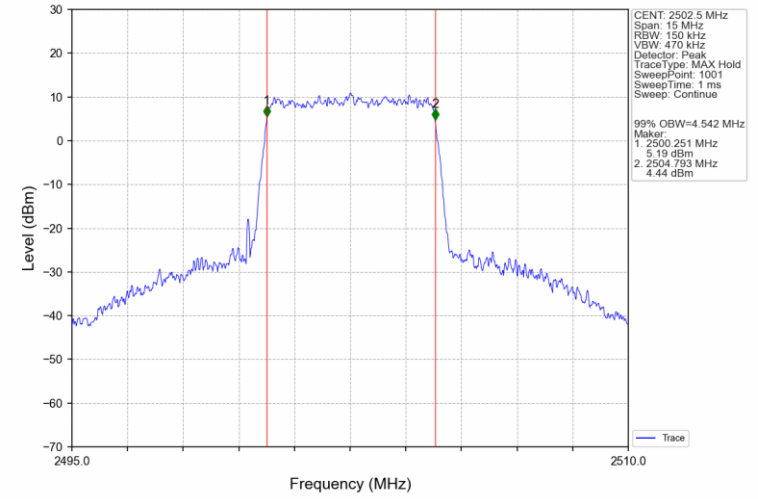
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



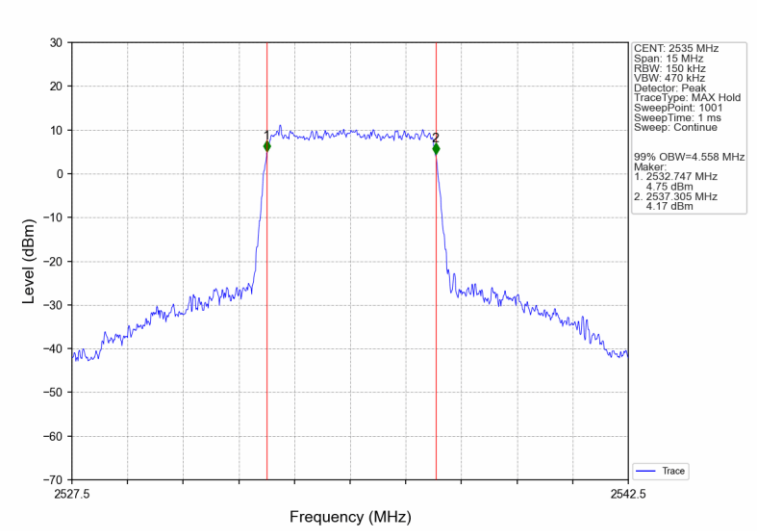
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



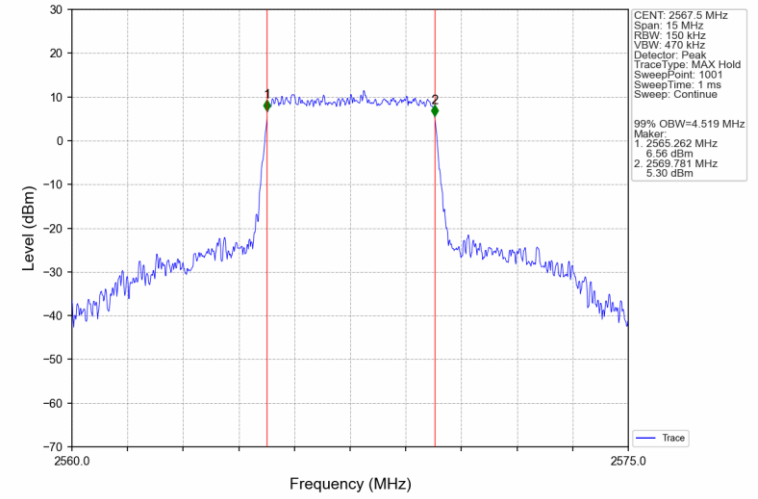
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV

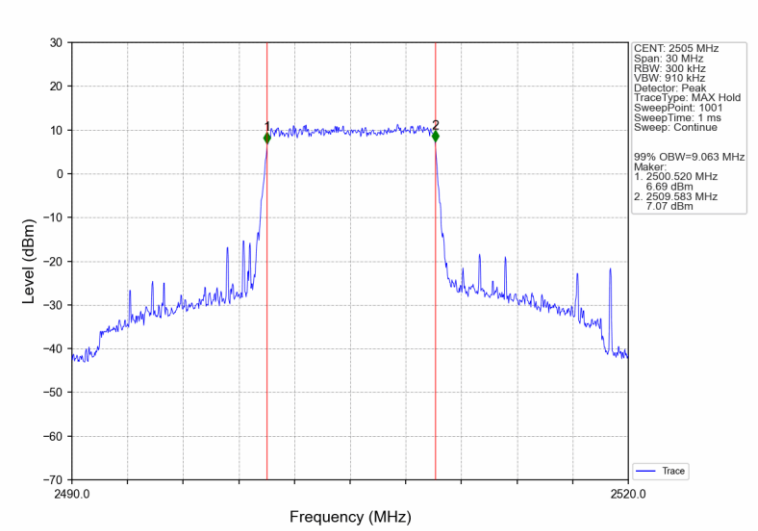
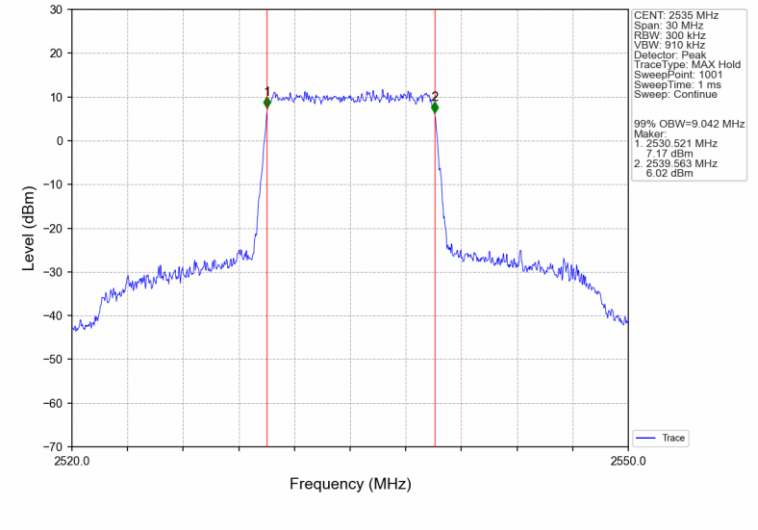


Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

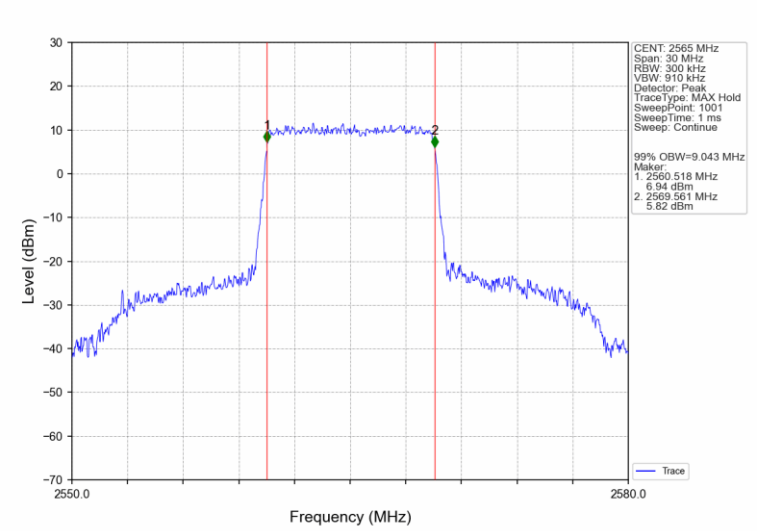


Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV

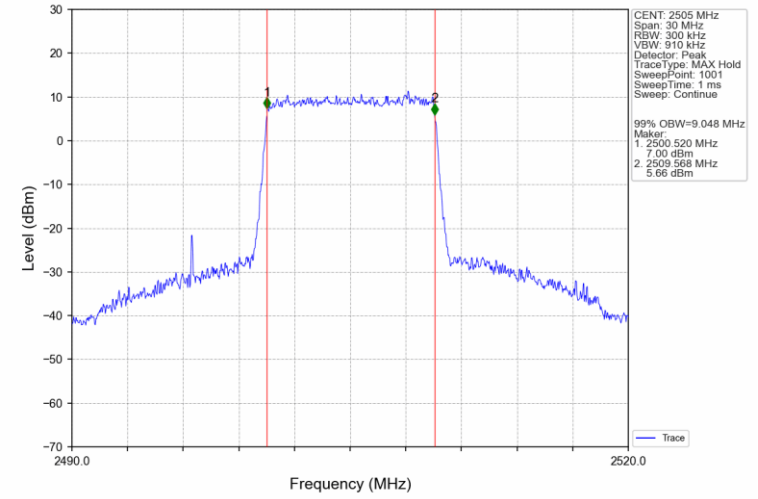


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV


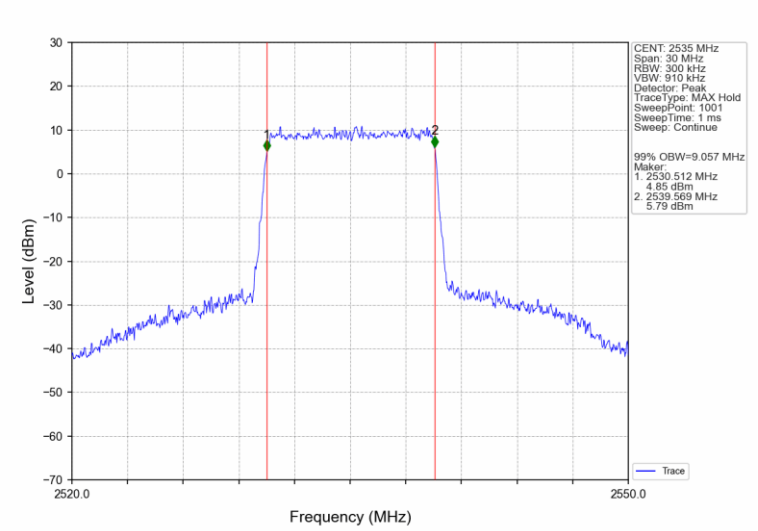
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



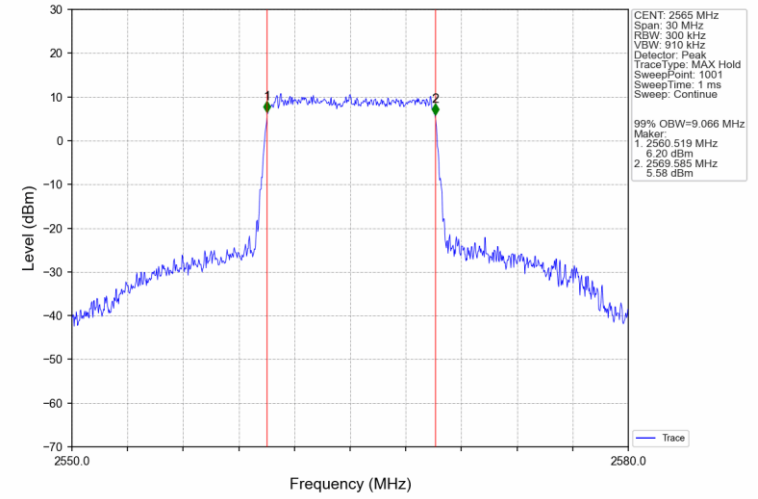
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



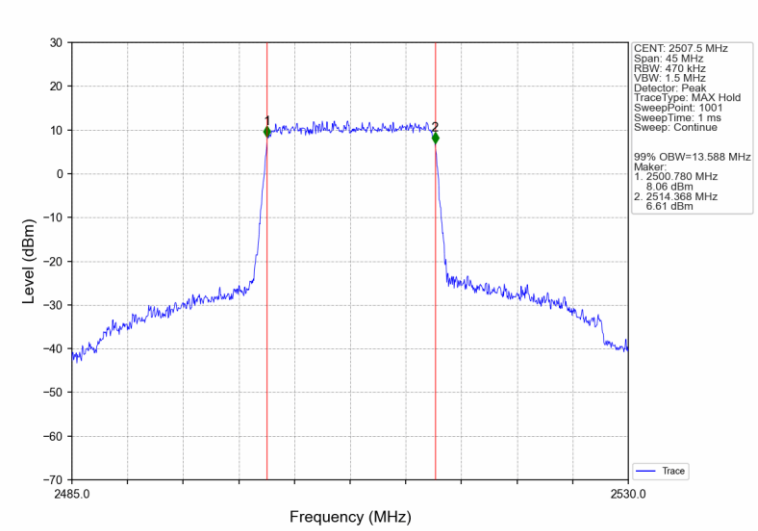
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



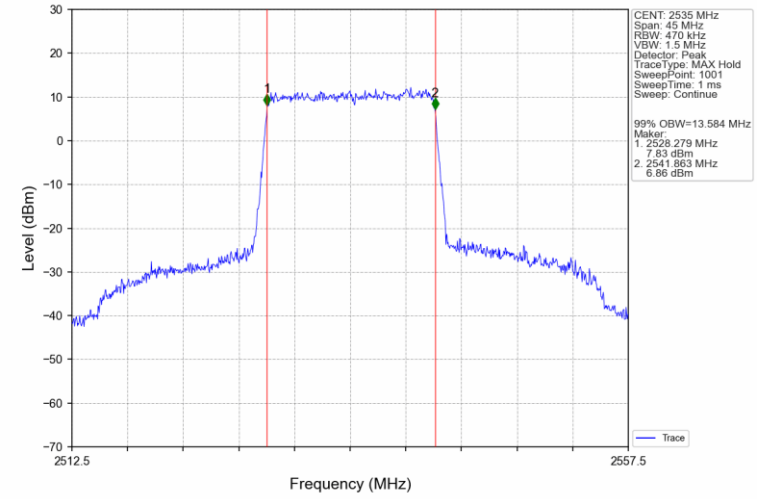
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



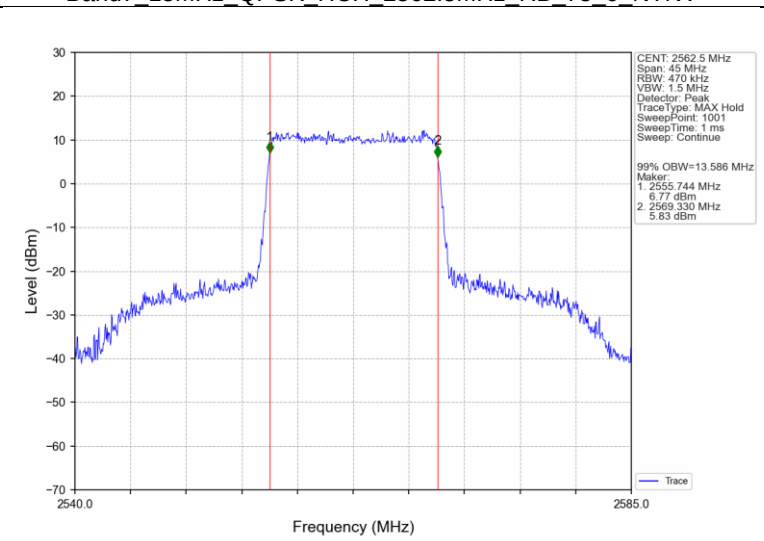
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



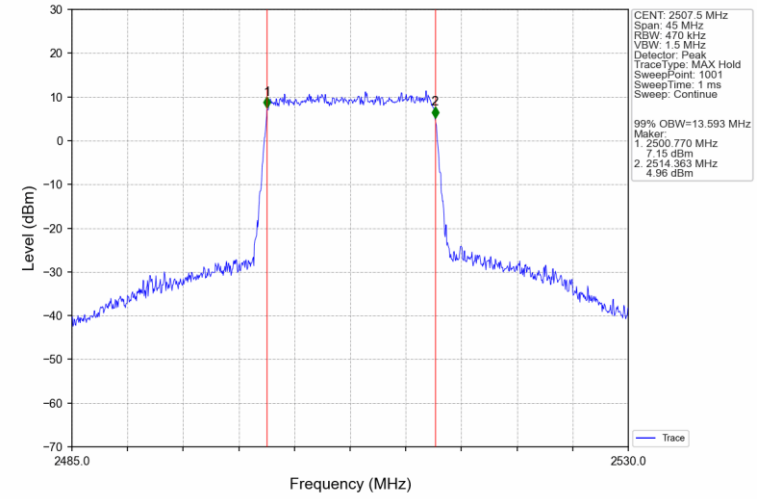
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV

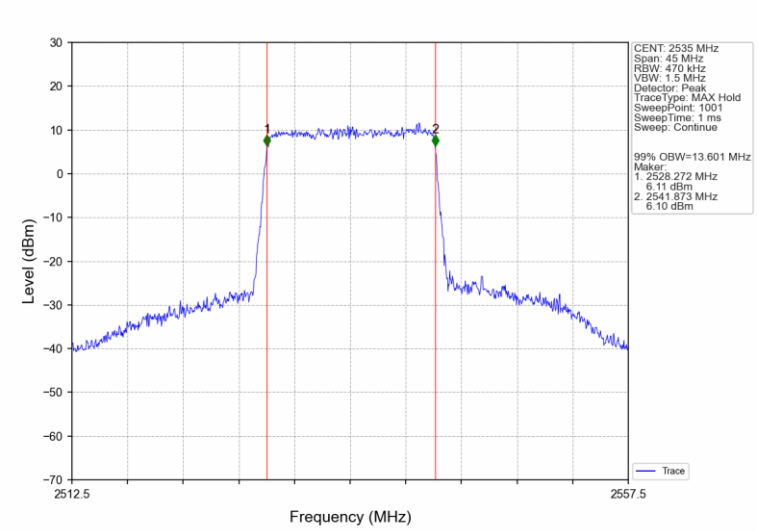
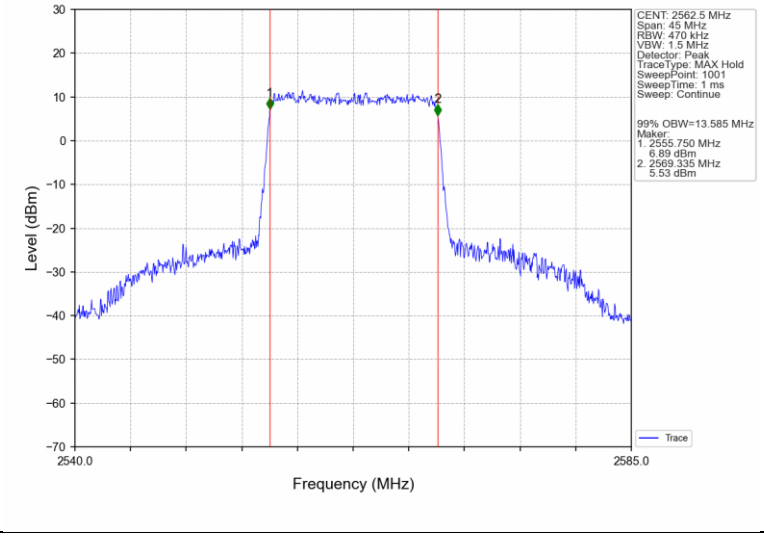


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV

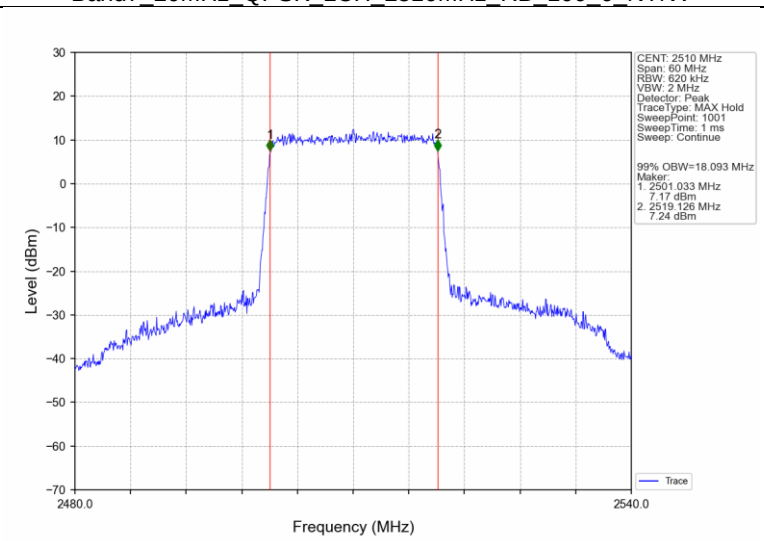


Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV

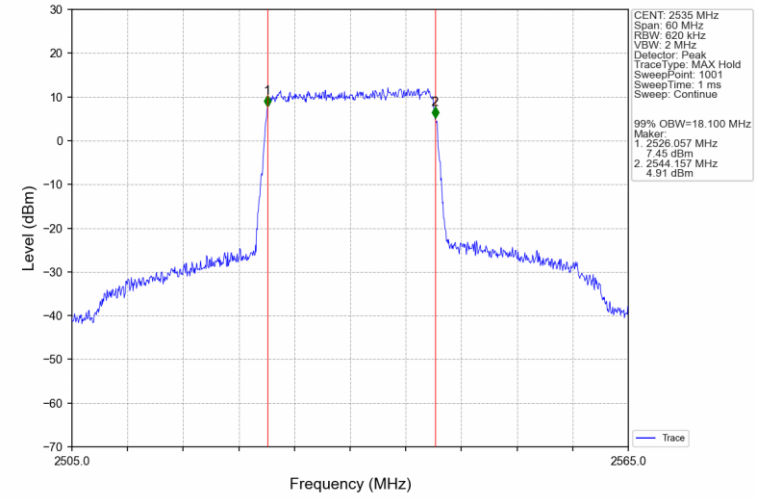


Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV

Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV


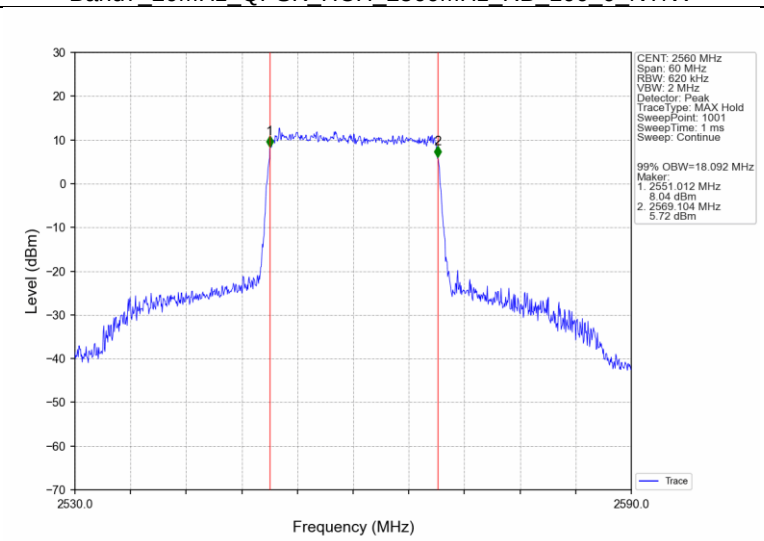
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



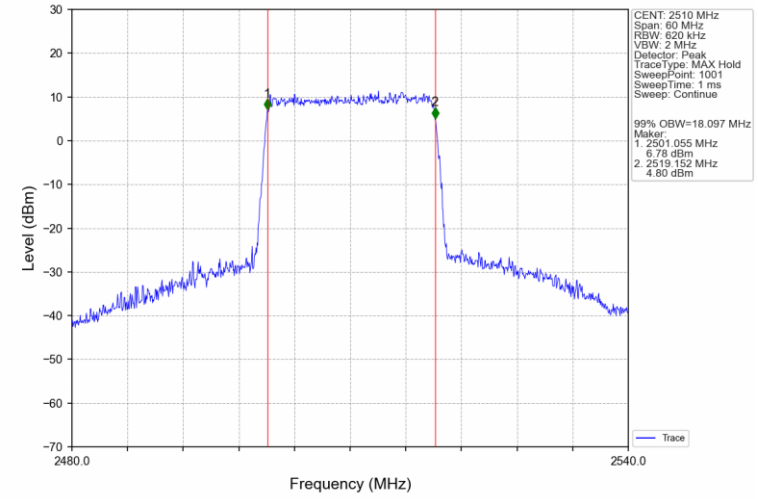
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



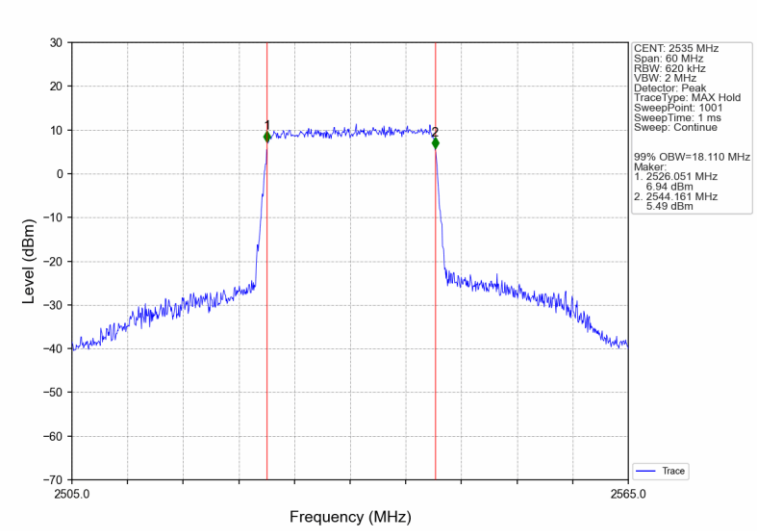
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



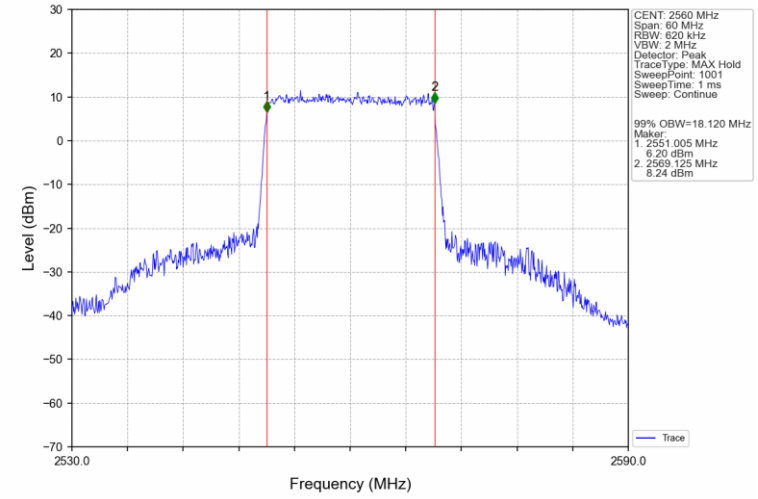
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

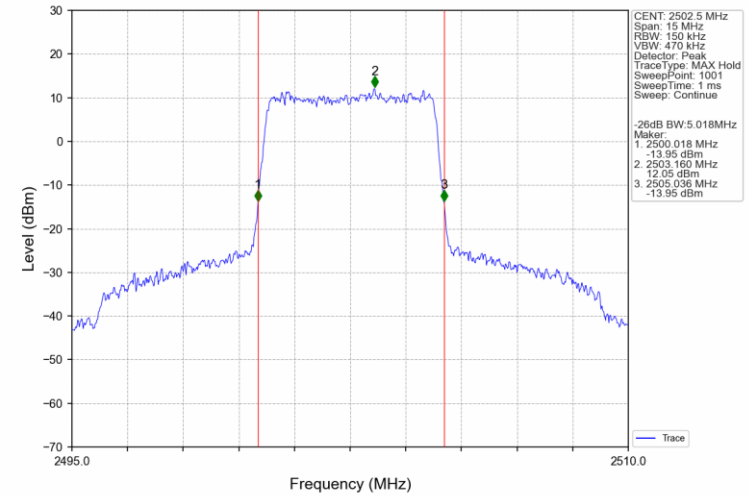


Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

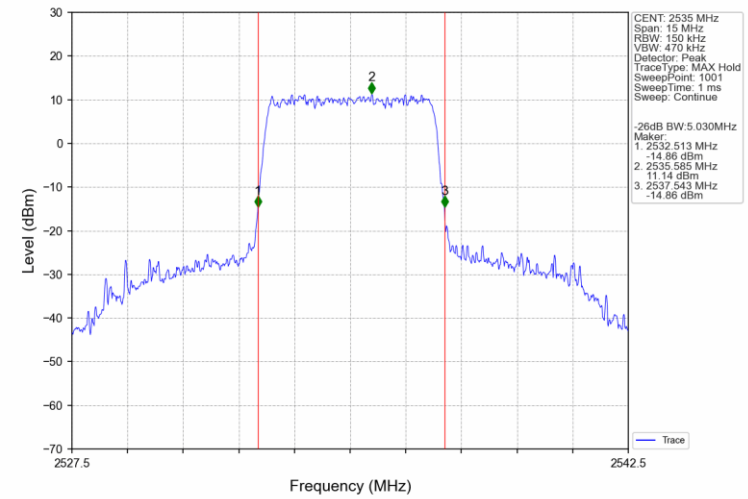


4.2.2 Band7_XDB

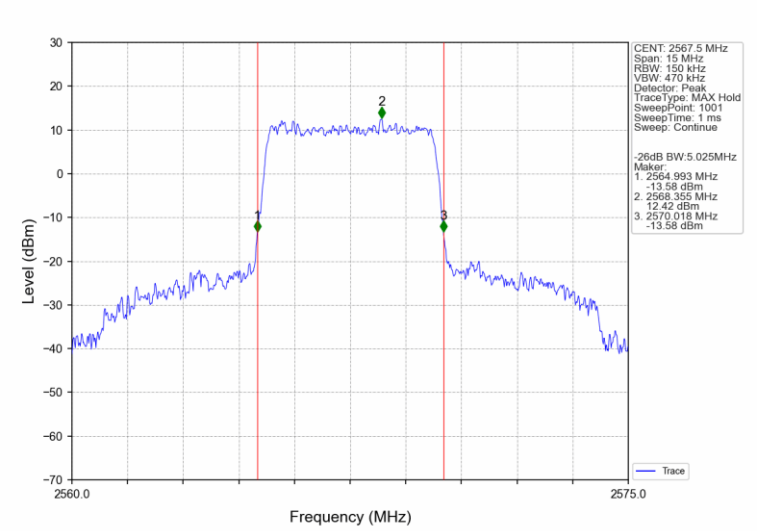
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



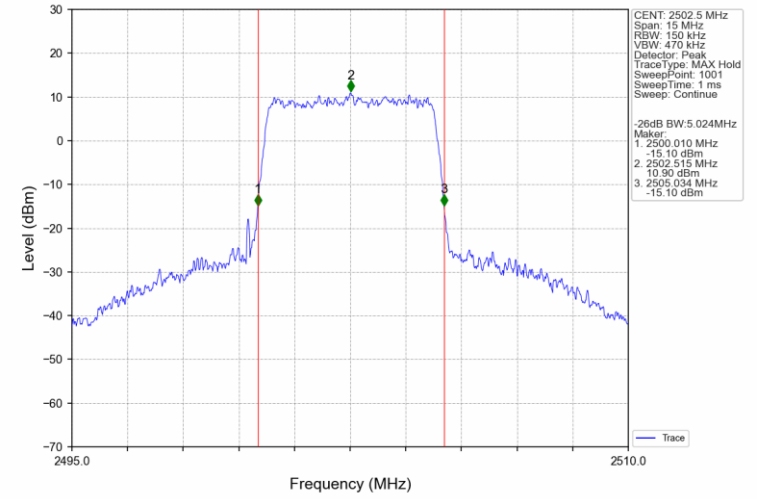
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



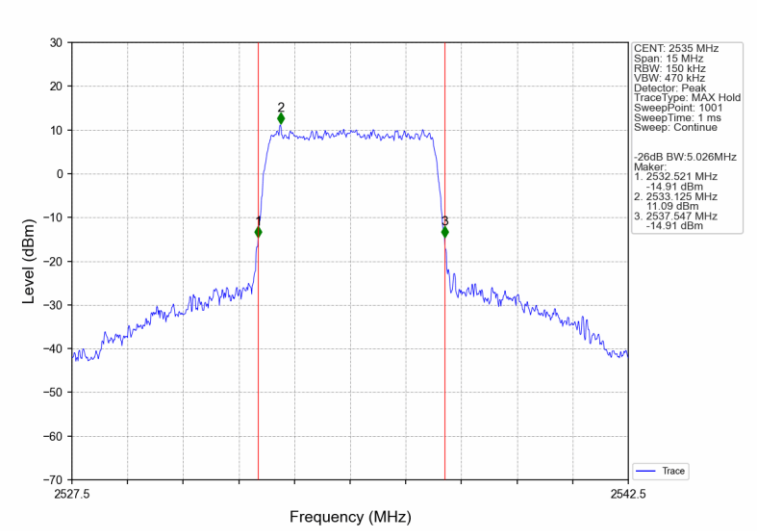
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



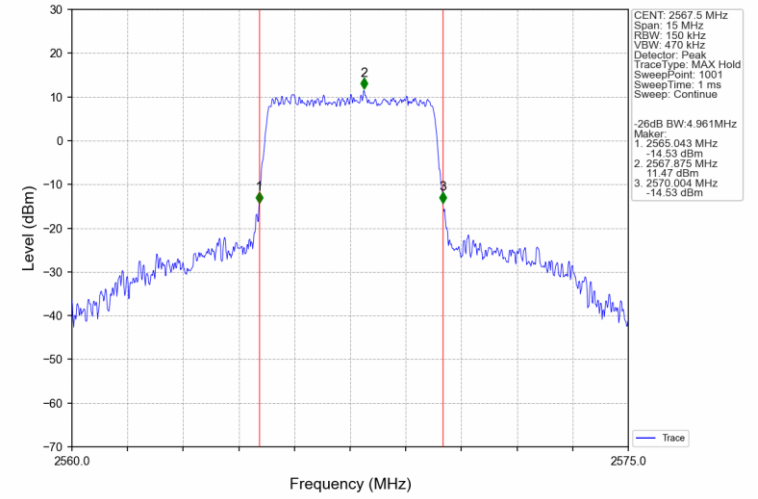
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



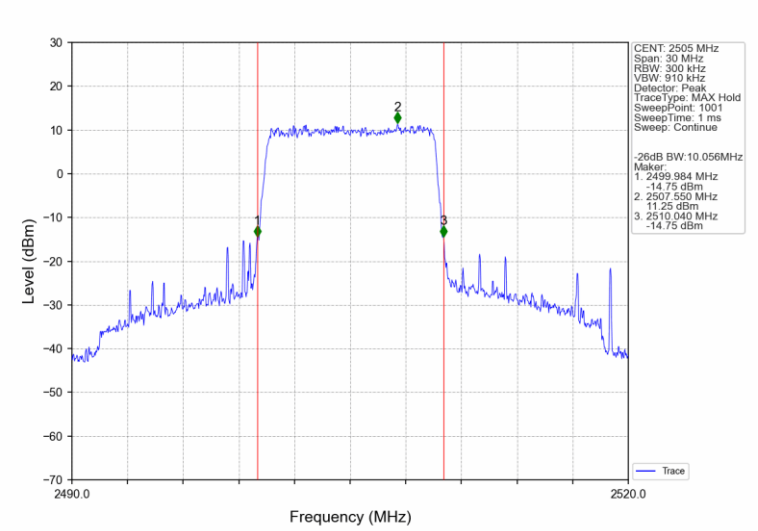
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



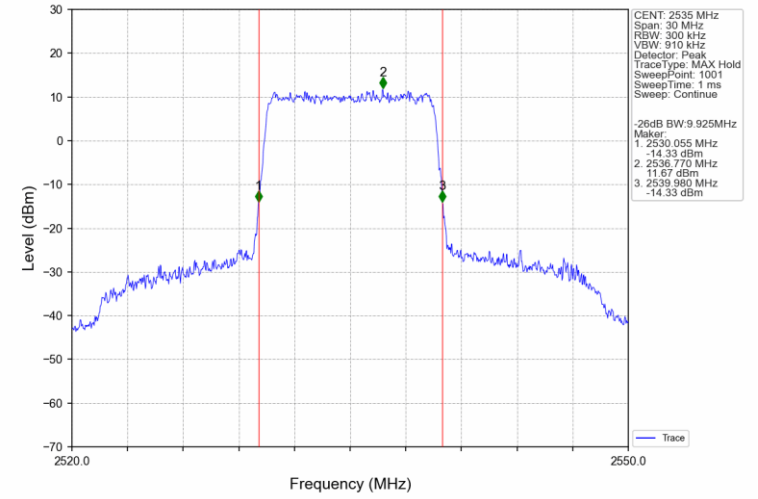
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



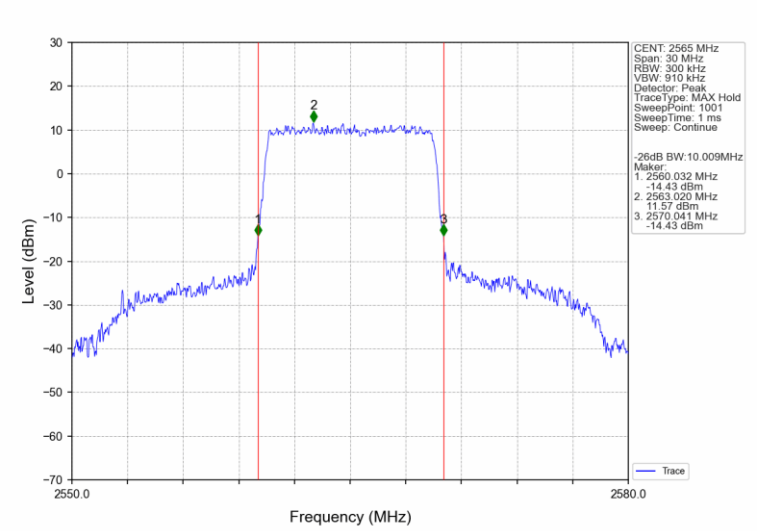
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



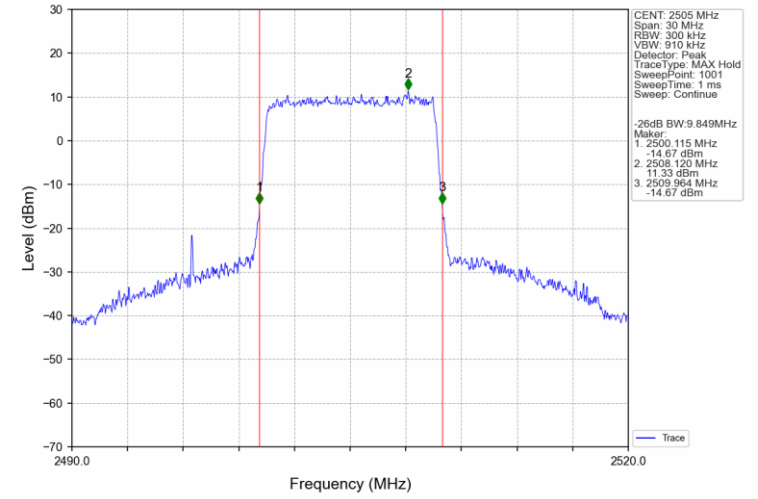
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



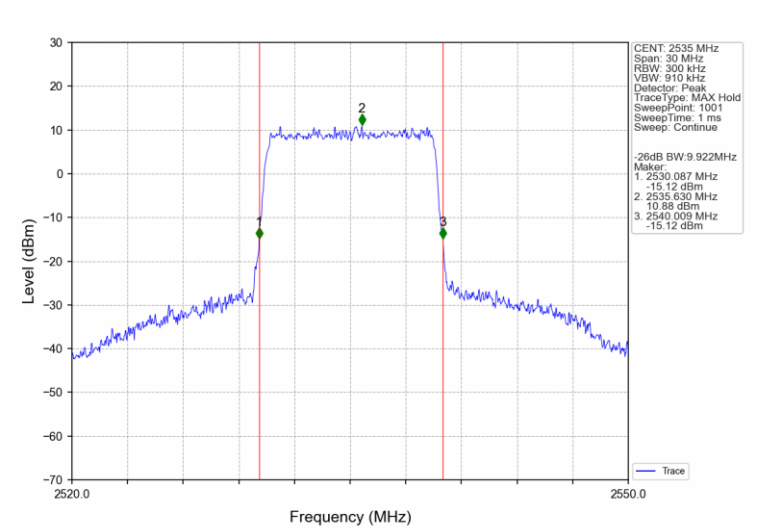
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



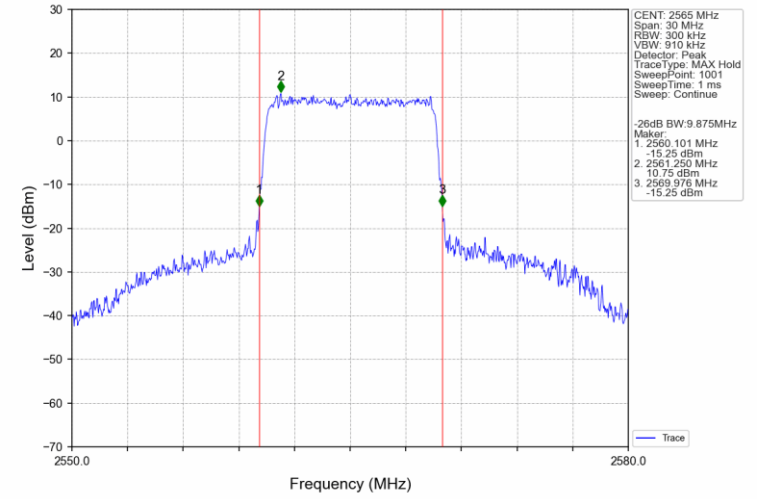
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



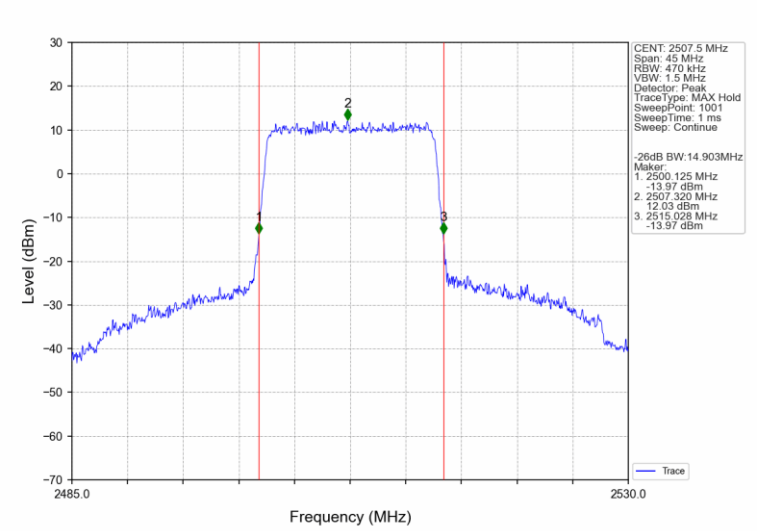
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



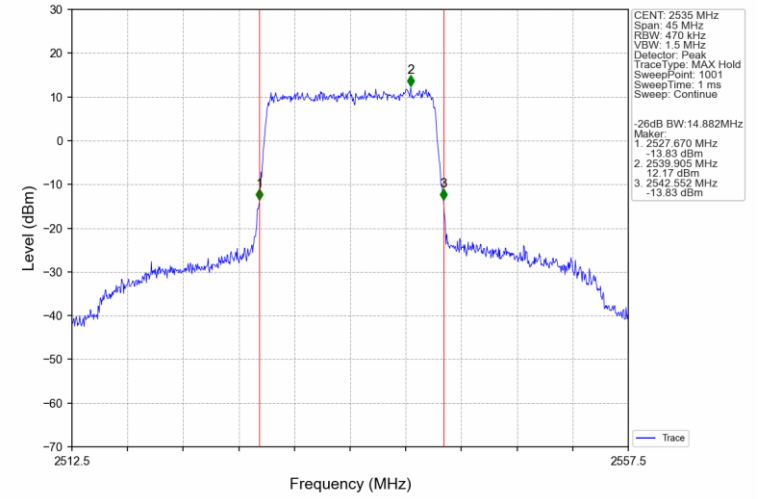
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



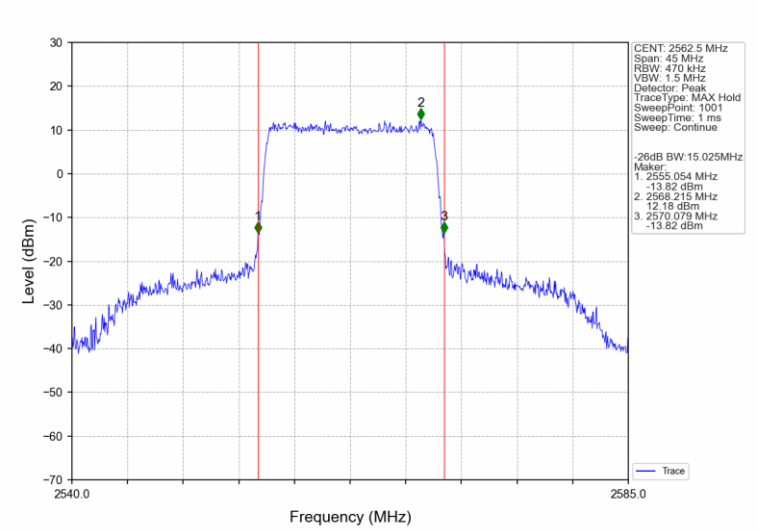
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



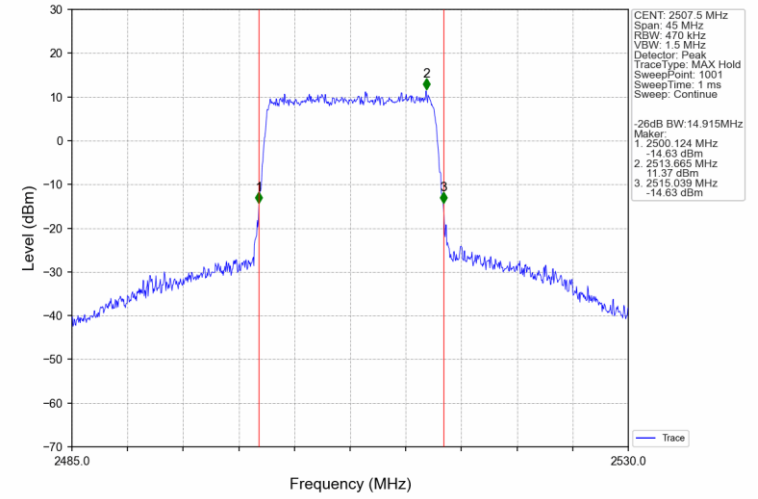
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



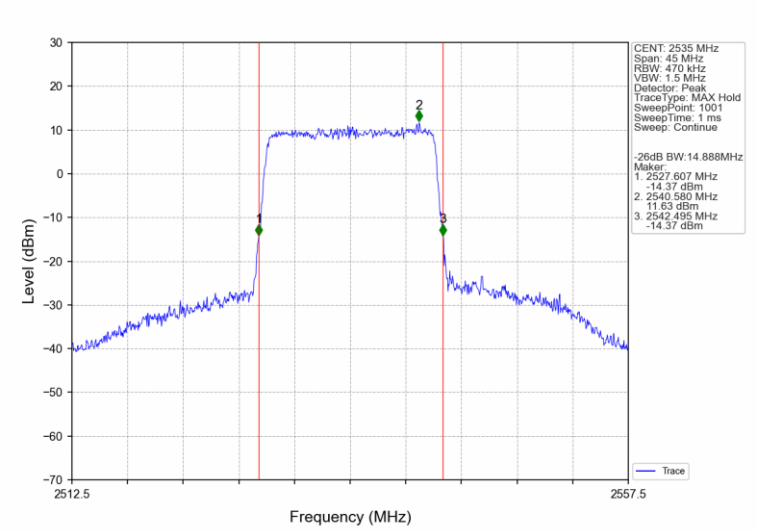
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



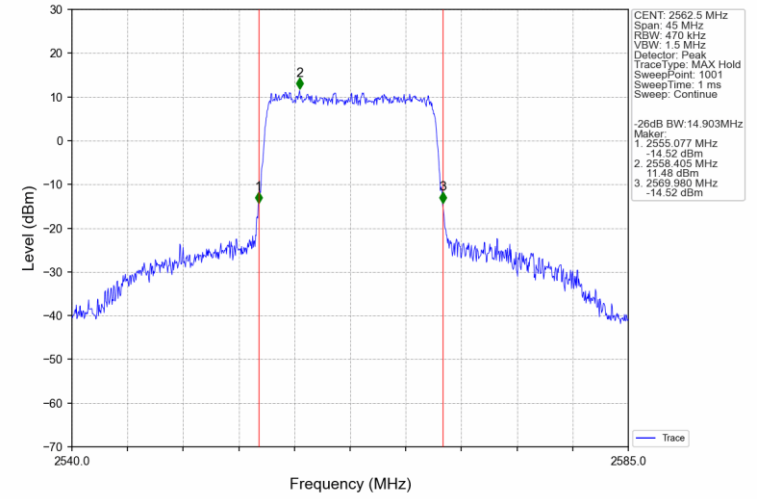
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



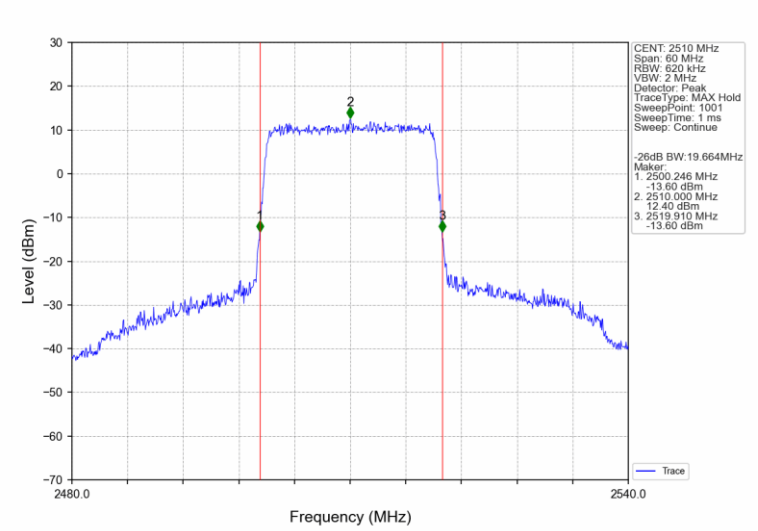
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



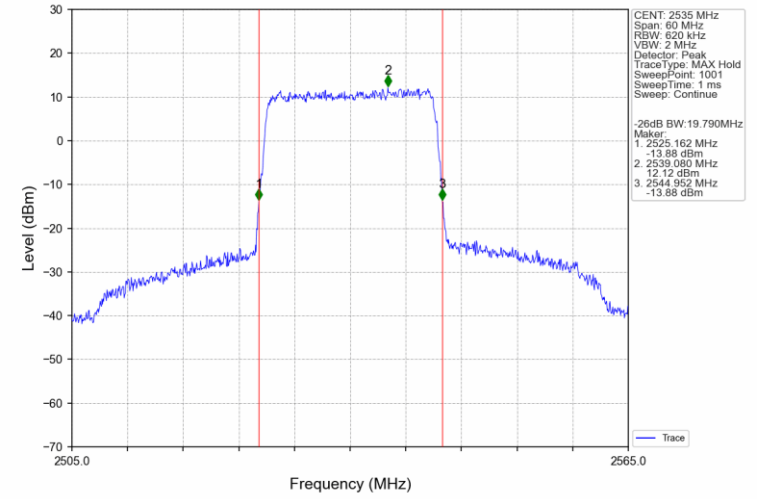
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



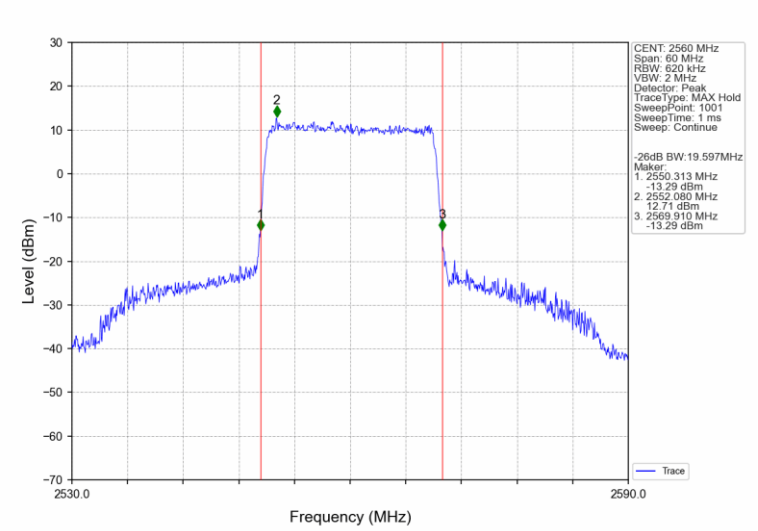
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



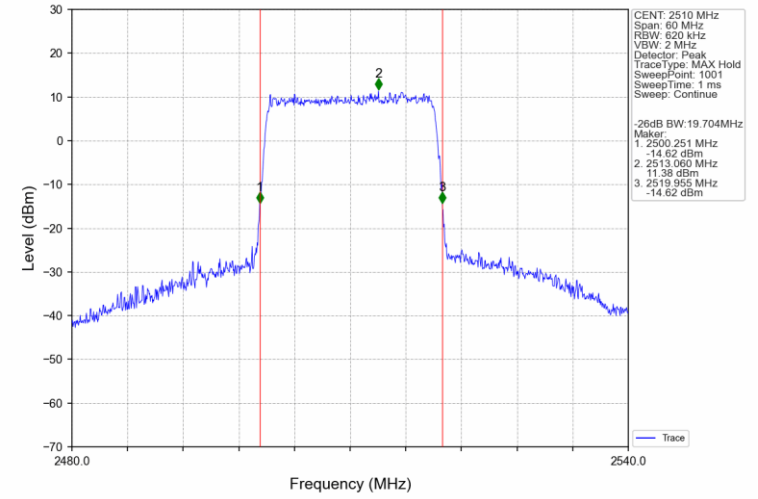
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



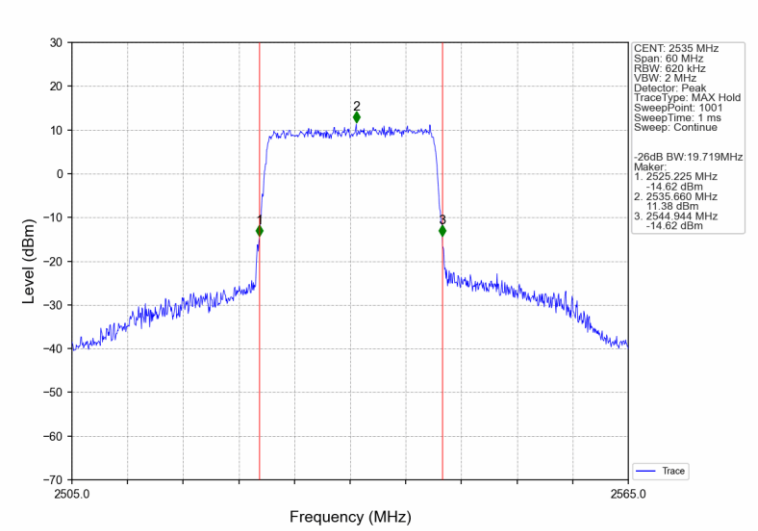
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



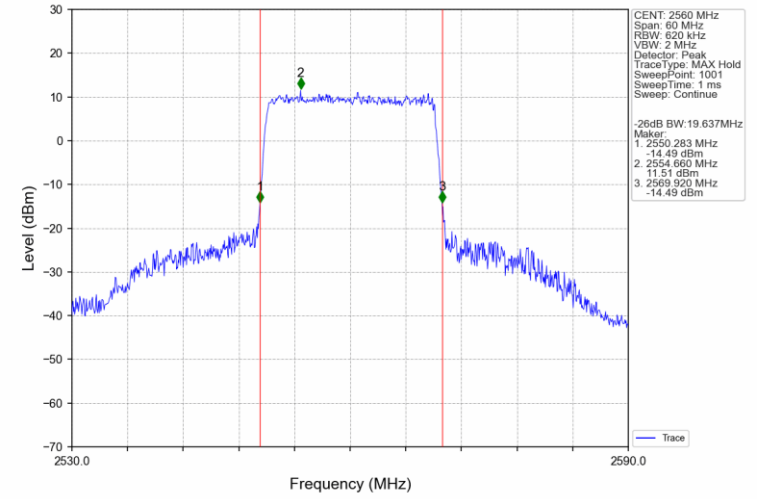
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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	5.34	<=13	Pass
	2535	25	0	5.31	<=13	Pass
	2567.5	25	0	5.19	<=13	Pass
16QAM	2502.5	25	0	5.97	<=13	Pass
	2535	25	0	6.00	<=13	Pass
	2567.5	25	0	5.90	<=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	5.33	<=13	Pass
	2535	50	0	5.32	<=13	Pass
	2565	50	0	5.25	<=13	Pass
16QAM	2505	50	0	6.02	<=13	Pass
	2535	50	0	6.04	<=13	Pass
	2565	50	0	6.01	<=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	5.06	<=13	Pass
	2535	75	0	5.12	<=13	Pass
	2562.5	75	0	5.09	<=13	Pass
16QAM	2507.5	75	0	6.05	<=13	Pass
	2535	75	0	6.06	<=13	Pass
	2562.5	75	0	6.00	<=13	Pass

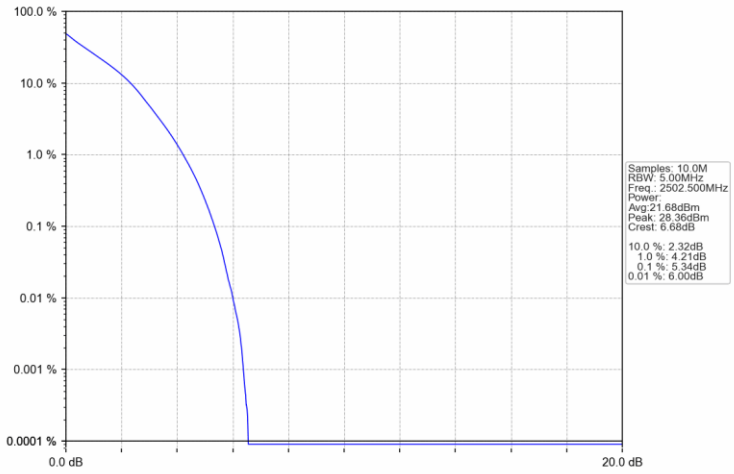
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.67	<=13	Pass
	2535	100	0	5.63	<=13	Pass
	2560	100	0	5.68	<=13	Pass
16QAM	2510	100	0	6.53	<=13	Pass
	2535	100	0	6.55	<=13	Pass
	2560	100	0	6.51	<=13	Pass

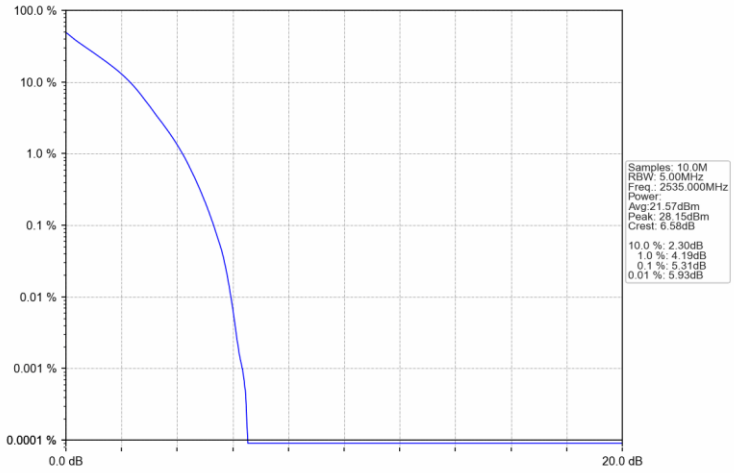
5.2 Test Graph

5.2.1 B7_5MHz

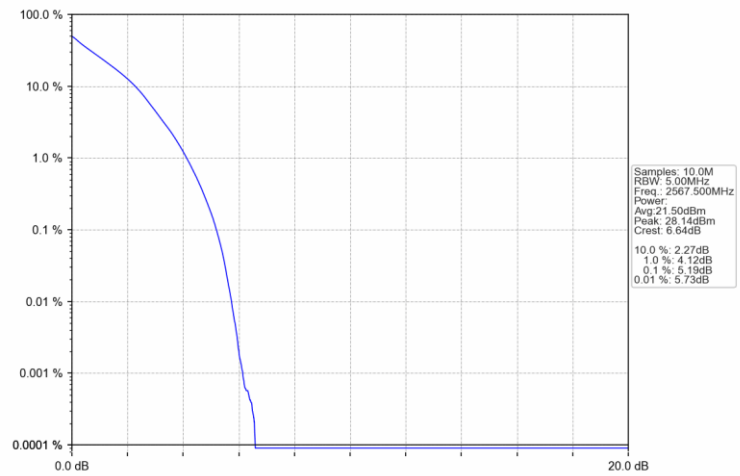
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



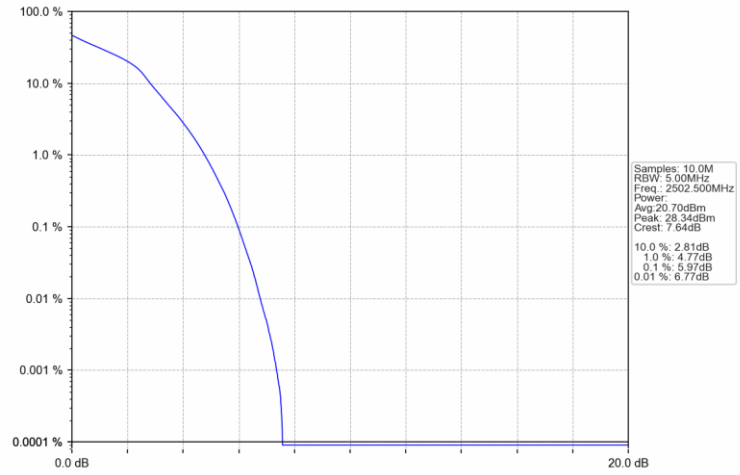
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



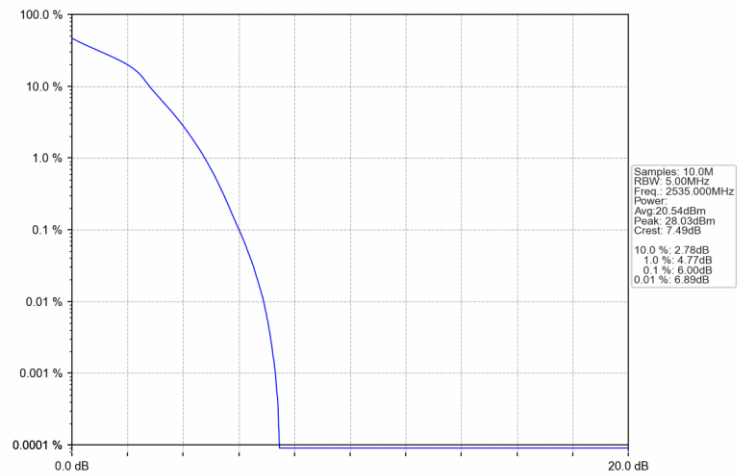
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



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