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	23.15	0.42	23.57	<=33.01	Pass
			13	23.28	0.42	23.70	<=33.01	Pass
			24	23.19	0.42	23.61	<=33.01	Pass
		12	0	22.17	0.42	22.59	<=33.01	Pass
			6	22.25	0.42	22.67	<=33.01	Pass
			13	22.20	0.42	22.62	<=33.01	Pass
		25	0	22.20	0.42	22.62	<=33.01	Pass
	2535	1	0	23.16	0.42	23.58	<=33.01	Pass
			13	23.26	0.42	23.68	<=33.01	Pass
			24	23.16	0.42	23.58	<=33.01	Pass
		12	0	22.16	0.42	22.58	<=33.01	Pass
			6	22.24	0.42	22.66	<=33.01	Pass
			13	22.19	0.42	22.61	<=33.01	Pass
		25	0	22.21	0.42	22.63	<=33.01	Pass
	2567.5	1	0	22.97	0.42	23.39	<=33.01	Pass
			13	23.09	0.42	23.51	<=33.01	Pass
			24	23.00	0.42	23.42	<=33.01	Pass
		12	0	22.08	0.42	22.50	<=33.01	Pass
			6	22.13	0.42	22.55	<=33.01	Pass
			13	22.06	0.42	22.48	<=33.01	Pass
		25	0	22.04	0.42	22.46	<=33.01	Pass
16QAM	2502.5	1	0	22.23	0.42	22.65	<=33.01	Pass
			13	22.36	0.42	22.78	<=33.01	Pass
			24	22.29	0.42	22.71	<=33.01	Pass
		12	0	21.14	0.42	21.56	<=33.01	Pass
			6	21.24	0.42	21.66	<=33.01	Pass
			13	21.24	0.42	21.66	<=33.01	Pass
		25	0	21.22	0.42	21.64	<=33.01	Pass
	2535	1	0	22.36	0.42	22.78	<=33.01	Pass
			13	22.45	0.42	22.87	<=33.01	Pass
			24	22.35	0.42	22.77	<=33.01	Pass
		12	0	21.23	0.42	21.65	<=33.01	Pass
			6	21.27	0.42	21.69	<=33.01	Pass
			13	21.25	0.42	21.67	<=33.01	Pass
		25	0	21.20	0.42	21.62	<=33.01	Pass
	2567.5	1	0	21.83	0.42	22.25	<=33.01	Pass
			13	21.92	0.42	22.34	<=33.01	Pass
			24	21.80	0.42	22.22	<=33.01	Pass
		12	0	21.04	0.42	21.46	<=33.01	Pass
			6	21.10	0.42	21.52	<=33.01	Pass
			13	21.02	0.42	21.44	<=33.01	Pass
		25	0	21.08	0.42	21.50	<=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	0.42	23.70	<=33.01	Pass
			25	23.44	0.42	23.86	<=33.01	Pass
			49	23.34	0.42	23.76	<=33.01	Pass
		25	0	22.20	0.42	22.62	<=33.01	Pass
			13	22.26	0.42	22.68	<=33.01	Pass
			25	22.31	0.42	22.73	<=33.01	Pass
		50	0	22.23	0.42	22.65	<=33.01	Pass
	2535	1	0	23.22	0.42	23.64	<=33.01	Pass
			25	23.38	0.42	23.80	<=33.01	Pass
			49	23.22	0.42	23.64	<=33.01	Pass
		25	0	22.22	0.42	22.64	<=33.01	Pass
			13	22.24	0.42	22.66	<=33.01	Pass
			25	22.26	0.42	22.68	<=33.01	Pass
		50	0	22.24	0.42	22.66	<=33.01	Pass
	2565	1	0	23.10	0.42	23.52	<=33.01	Pass
			25	23.27	0.42	23.69	<=33.01	Pass
			49	23.14	0.42	23.56	<=33.01	Pass
		25	0	22.12	0.42	22.54	<=33.01	Pass
			13	22.11	0.42	22.53	<=33.01	Pass
			25	22.11	0.42	22.53	<=33.01	Pass
		50	0	22.09	0.42	22.51	<=33.01	Pass
16QAM	2505	1	0	22.20	0.42	22.62	<=33.01	Pass
			25	22.38	0.42	22.80	<=33.01	Pass
			49	22.25	0.42	22.67	<=33.01	Pass
		25	0	21.29	0.42	21.71	<=33.01	Pass
			13	21.33	0.42	21.75	<=33.01	Pass
			25	21.41	0.42	21.83	<=33.01	Pass
		50	0	21.28	0.42	21.70	<=33.01	Pass
	2535	1	0	22.34	0.42	22.76	<=33.01	Pass
			25	22.49	0.42	22.91	<=33.01	Pass
			49	22.33	0.42	22.75	<=33.01	Pass
		25	0	21.26	0.42	21.68	<=33.01	Pass
			13	21.28	0.42	21.70	<=33.01	Pass
			25	21.32	0.42	21.74	<=33.01	Pass
		50	0	21.24	0.42	21.66	<=33.01	Pass
	2565	1	0	22.52	0.42	22.94	<=33.01	Pass
			25	22.66	0.42	23.08	<=33.01	Pass
			49	22.42	0.42	22.84	<=33.01	Pass
		25	0	21.17	0.42	21.59	<=33.01	Pass
			13	21.16	0.42	21.58	<=33.01	Pass
			25	21.19	0.42	21.61	<=33.01	Pass
		50	0	21.11	0.42	21.53	<=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	23.13	0.42	23.55	<=33.01	Pass
			38	23.28	0.42	23.70	<=33.01	Pass
			74	23.16	0.42	23.58	<=33.01	Pass
		36	0	22.20	0.42	22.62	<=33.01	Pass
			18	22.33	0.42	22.75	<=33.01	Pass
			39	22.35	0.42	22.77	<=33.01	Pass
		75	0	22.30	0.42	22.72	<=33.01	Pass
	2535	1	0	23.16	0.42	23.58	<=33.01	Pass
			38	23.28	0.42	23.70	<=33.01	Pass
			74	23.09	0.42	23.51	<=33.01	Pass
		36	0	22.27	0.42	22.69	<=33.01	Pass
			18	22.32	0.42	22.74	<=33.01	Pass
			39	22.33	0.42	22.75	<=33.01	Pass
		75	0	22.28	0.42	22.70	<=33.01	Pass
	2562.5	1	0	23.01	0.42	23.43	<=33.01	Pass
			38	23.11	0.42	23.53	<=33.01	Pass
			74	23.00	0.42	23.42	<=33.01	Pass
		36	0	22.22	0.42	22.64	<=33.01	Pass
			18	22.17	0.42	22.59	<=33.01	Pass
			39	22.22	0.42	22.64	<=33.01	Pass
		75	0	22.21	0.42	22.63	<=33.01	Pass
16QAM	2507.5	1	0	22.39	0.42	22.81	<=33.01	Pass
			38	22.56	0.42	22.98	<=33.01	Pass
			74	22.44	0.42	22.86	<=33.01	Pass
		36	0	21.18	0.42	21.60	<=33.01	Pass
			18	21.30	0.42	21.72	<=33.01	Pass
			39	21.32	0.42	21.74	<=33.01	Pass
		75	0	21.28	0.42	21.70	<=33.01	Pass
	2535	1	0	22.27	0.42	22.69	<=33.01	Pass
			38	22.36	0.42	22.78	<=33.01	Pass
			74	22.22	0.42	22.64	<=33.01	Pass
		36	0	21.28	0.42	21.70	<=33.01	Pass
			18	21.30	0.42	21.72	<=33.01	Pass
			39	21.28	0.42	21.70	<=33.01	Pass
		75	0	21.31	0.42	21.73	<=33.01	Pass
	2562.5	1	0	22.44	0.42	22.86	<=33.01	Pass
			38	22.54	0.42	22.96	<=33.01	Pass
			74	22.35	0.42	22.77	<=33.01	Pass
		36	0	21.19	0.42	21.61	<=33.01	Pass
			18	21.19	0.42	21.61	<=33.01	Pass
			39	21.20	0.42	21.62	<=33.01	Pass
		75	0	21.16	0.42	21.58	<=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	22.90	0.42	23.32	<=33.01	Pass
			50	23.38	0.42	23.80	<=33.01	Pass
			99	23.00	0.42	23.42	<=33.01	Pass
		50	0	22.08	0.42	22.50	<=33.01	Pass
			25	22.20	0.42	22.62	<=33.01	Pass
			50	22.23	0.42	22.65	<=33.01	Pass
		100	0	22.16	0.42	22.58	<=33.01	Pass
	2535	1	0	22.99	0.42	23.41	<=33.01	Pass
			50	23.43	0.42	23.85	<=33.01	Pass
			99	22.98	0.42	23.40	<=33.01	Pass
		50	0	22.16	0.42	22.58	<=33.01	Pass
			25	22.22	0.42	22.64	<=33.01	Pass
			50	22.24	0.42	22.66	<=33.01	Pass
		100	0	22.21	0.42	22.63	<=33.01	Pass
	2560	1	0	22.88	0.42	23.30	<=33.01	Pass
			50	23.23	0.42	23.65	<=33.01	Pass
			99	22.89	0.42	23.31	<=33.01	Pass
		50	0	22.14	0.42	22.56	<=33.01	Pass
			25	22.14	0.42	22.56	<=33.01	Pass
			50	22.08	0.42	22.50	<=33.01	Pass
		100	0	22.12	0.42	22.54	<=33.01	Pass
16QAM	2510	1	0	22.40	0.42	22.82	<=33.01	Pass
			50	22.85	0.42	23.27	<=33.01	Pass
			99	22.51	0.42	22.93	<=33.01	Pass
		50	0	21.12	0.42	21.54	<=33.01	Pass
			25	21.20	0.42	21.62	<=33.01	Pass
			50	21.23	0.42	21.65	<=33.01	Pass
		100	0	21.20	0.42	21.62	<=33.01	Pass
	2535	1	0	22.11	0.42	22.53	<=33.01	Pass
			50	22.52	0.42	22.94	<=33.01	Pass
			99	22.09	0.42	22.51	<=33.01	Pass
		50	0	21.20	0.42	21.62	<=33.01	Pass
			25	21.23	0.42	21.65	<=33.01	Pass
			50	21.26	0.42	21.68	<=33.01	Pass
		100	0	21.25	0.42	21.67	<=33.01	Pass
	2560	1	0	22.10	0.42	22.52	<=33.01	Pass
			50	22.48	0.42	22.90	<=33.01	Pass
			99	22.07	0.42	22.49	<=33.01	Pass
		50	0	21.16	0.42	21.58	<=33.01	Pass
			25	21.11	0.42	21.53	<=33.01	Pass
			50	21.07	0.42	21.49	<=33.01	Pass
		100	0	21.14	0.42	21.56	<=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	-12.774	-0.0051	-2.5 to 2.5	Pass
					3.85	-19.012	-0.0076	-2.5 to 2.5	Pass
					4.43	-7.296	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-5.007	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-17.638	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-9.570	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-12.016	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-16.637	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-8.783	-0.0035	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-0.272	-0.0001	-2.5 to 2.5	Pass
					3.85	1.817	0.0007	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-12.531	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	10.901	0.0043	-2.5 to 2.5	Pass
				0	3.85	-19.941	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-13.747	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	-6.223	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-1.016	-0.0004	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
					4.43	8.798	0.0034	-2.5 to 2.5	Pass
				-30	3.85	-14.534	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	3.490	0.0014	-2.5 to 2.5	Pass
				-10	3.85	4.506	0.0018	-2.5 to 2.5	Pass
				0	3.85	-11.673	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-8.483	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-15.407	-0.0060	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	3.862	0.0015	-2.5 to 2.5	Pass
					3.85	-9.871	-0.0039	-2.5 to 2.5	Pass
					4.43	-14.391	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-11.559	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-3.548	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-7.610	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-7.167	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.147	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-12.045	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-6.981	-0.0028	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	5.679	0.0022	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0009	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.502	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-11.158	-0.0044	-2.5 to 2.5	Pass

				-10	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-11.959	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-11.988	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0028	-2.5 to 2.5	Pass
				40	3.85	9.141	0.0036	-2.5 to 2.5	Pass
				50	3.85	2.418	0.0010	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-19.555	-0.0076	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	4.048	0.0016	-2.5 to 2.5	Pass
				-30	3.85	12.374	0.0048	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-11.830	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-19.841	-0.0077	-2.5 to 2.5	Pass
				40	3.85	16.837	0.0066	-2.5 to 2.5	Pass
				50	3.85	4.678	0.0018	-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	-7.811	-0.0031	-2.5 to 2.5	Pass
					3.85	1.030	0.0004	-2.5 to 2.5	Pass
					4.43	6.666	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0027	-2.5 to 2.5	Pass
				30	3.85	3.991	0.0016	-2.5 to 2.5	Pass
				40	3.85	6.838	0.0027	-2.5 to 2.5	Pass
				50	3.85	5.307	0.0021	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	1.688	0.0007	-2.5 to 2.5	Pass
					3.85	1.659	0.0007	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.692	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	4.592	0.0018	-2.5 to 2.5	Pass
				0	3.85	4.921	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.360	0.0009	-2.5 to 2.5	Pass
				30	3.85	7.396	0.0029	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-6.866	-0.0027	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-14.563	-0.0057	-2.5 to 2.5	Pass
					3.85	-11.272	-0.0044	-2.5 to 2.5	Pass
					4.43	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	6.609	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-10.686	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-9.012	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-14.148	-0.0055	-2.5 to 2.5	Pass
				30	3.85	2.689	0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-13.733	-0.0054	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	5.693	0.0023	-2.5 to 2.5	Pass
					3.85	-1.588	-0.0006	-2.5 to 2.5	Pass

					4.43	7.796	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-9.069	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.861	0.0011	-2.5 to 2.5	Pass
				0	3.85	-4.492	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-9.613	-0.0038	-2.5 to 2.5	Pass
				30	3.85	5.035	0.0020	-2.5 to 2.5	Pass
				40	3.85	4.148	0.0017	-2.5 to 2.5	Pass
				50	3.85	-10.471	-0.0042	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-10.557	-0.0042	-2.5 to 2.5	Pass
					3.85	-8.383	-0.0033	-2.5 to 2.5	Pass
					4.43	-8.183	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.779	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-12.603	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-7.467	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-13.490	-0.0053	-2.5 to 2.5	Pass
					3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
					4.43	0.200	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.140	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.588	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-7.753	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-9.484	-0.0037	-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	0.200	0.0001	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.435	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-11.358	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-15.936	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0035	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-10.700	-0.0043	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-6.638	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-7.253	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-11.687	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-2.975	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-4.048	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-11.044	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-9.699	-0.0038	-2.5 to 2.5	Pass

				50	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-5.093	-0.0020	-2.5 to 2.5	Pass
					3.85	-12.374	-0.0048	-2.5 to 2.5	Pass
					4.43	-3.848	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-11.158	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.719	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-10.757	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-0.544	-0.0002	-2.5 to 2.5	Pass
					3.85	-9.241	-0.0037	-2.5 to 2.5	Pass
					4.43	-10.285	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-9.484	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-13.461	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-17.767	-0.0071	-2.5 to 2.5	Pass
				50	3.85	5.550	0.0022	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	1.130	0.0004	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-6.194	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.766	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-7.052	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-13.475	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.802	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-9.227	-0.0036	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
					4.43	-11.401	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-7.410	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	6.938	0.0027	-2.5 to 2.5	Pass
				0	3.85	6.294	0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.977	-0.0016	-2.5 to 2.5	Pass
				30	3.85	4.420	0.0017	-2.5 to 2.5	Pass
				40	3.85	-7.167	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-8.197	-0.0032	-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	-5.164	-0.0021	-2.5 to 2.5	Pass
					3.85	-10.228	-0.0041	-2.5 to 2.5	Pass
					4.43	-14.749	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-9.112	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-4.706	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass

				10	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-7.024	-0.0028	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-7.224	-0.0028	-2.5 to 2.5	Pass
					3.85	1.187	0.0005	-2.5 to 2.5	Pass
					4.43	0.515	0.0002	-2.5 to 2.5	Pass
				-30	3.85	4.377	0.0017	-2.5 to 2.5	Pass
				-20	3.85	6.094	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.691	-0.0015	-2.5 to 2.5	Pass
				10	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				30	3.85	8.569	0.0034	-2.5 to 2.5	Pass
				40	3.85	-5.550	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-14.491	-0.0057	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-12.717	-0.0050	-2.5 to 2.5	Pass
					3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-8.998	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-5.479	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-18.826	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-16.065	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-13.161	-0.0051	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-6.309	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.403	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.486	0.0002	-2.5 to 2.5	Pass
				10	3.85	-8.440	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-8.998	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-12.860	-0.0051	-2.5 to 2.5	Pass
					3.85	-12.603	-0.0050	-2.5 to 2.5	Pass
					4.43	0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	1.187	0.0005	-2.5 to 2.5	Pass
				-20	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.259	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-11.501	-0.0045	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-12.789	-0.0050	-2.5 to 2.5	Pass
					3.85	-12.646	-0.0049	-2.5 to 2.5	Pass
					4.43	0.544	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.861	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-8.426	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-9.255	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-4.506	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.490	-0.0014	-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

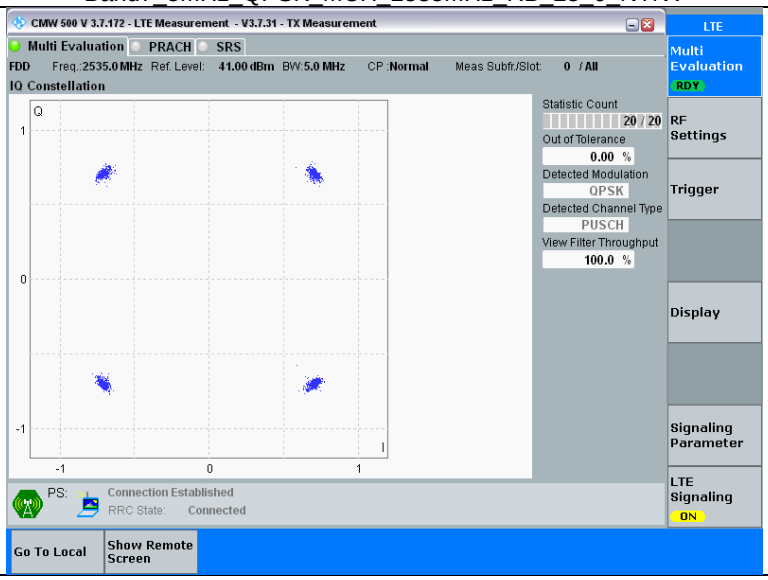
3.1.4 B7_20MHz

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

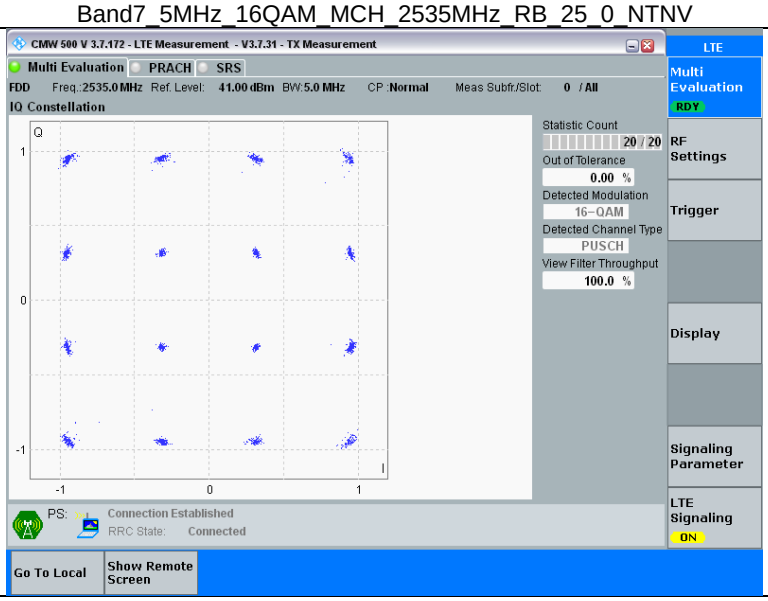
3.2 Test Graph

3.2.1 B7_5MHz

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV

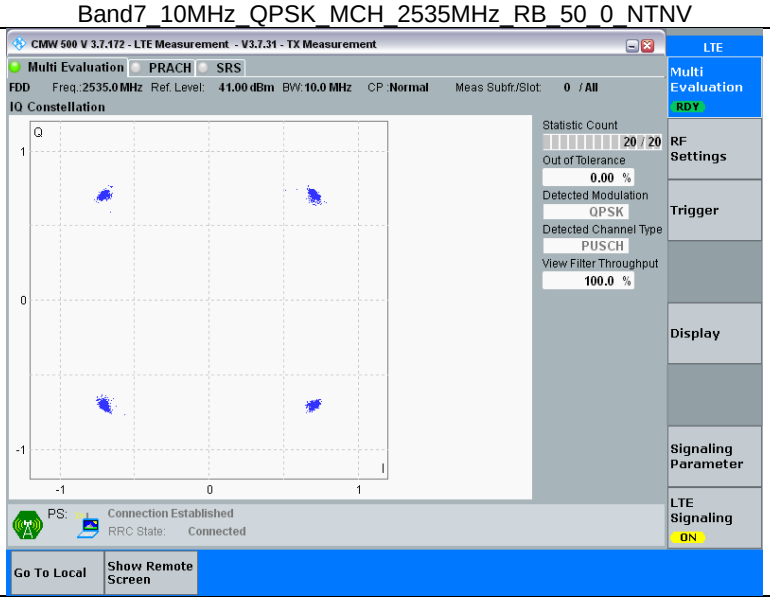


Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

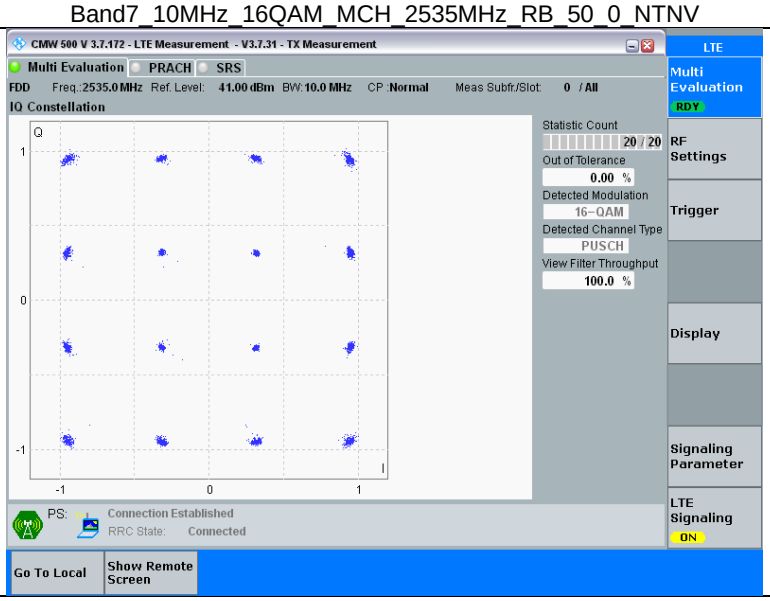


3.2.2 B7_10MHz

Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV

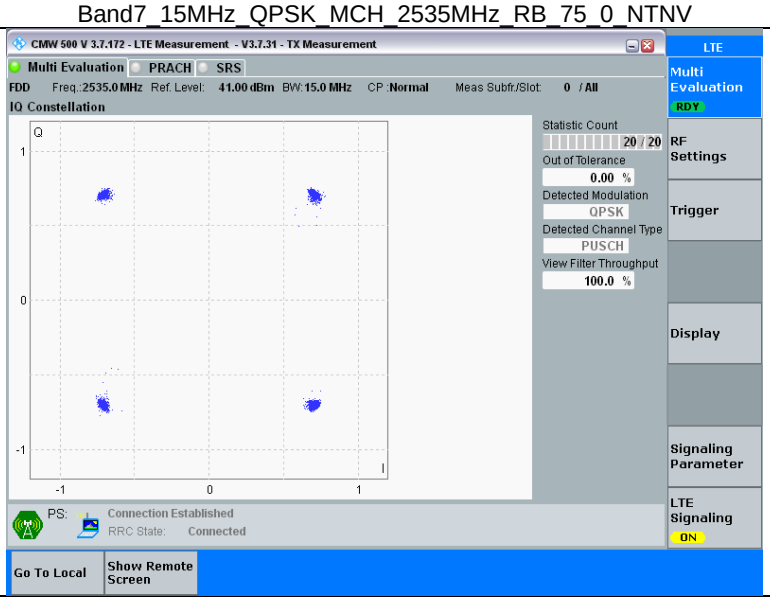


Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV

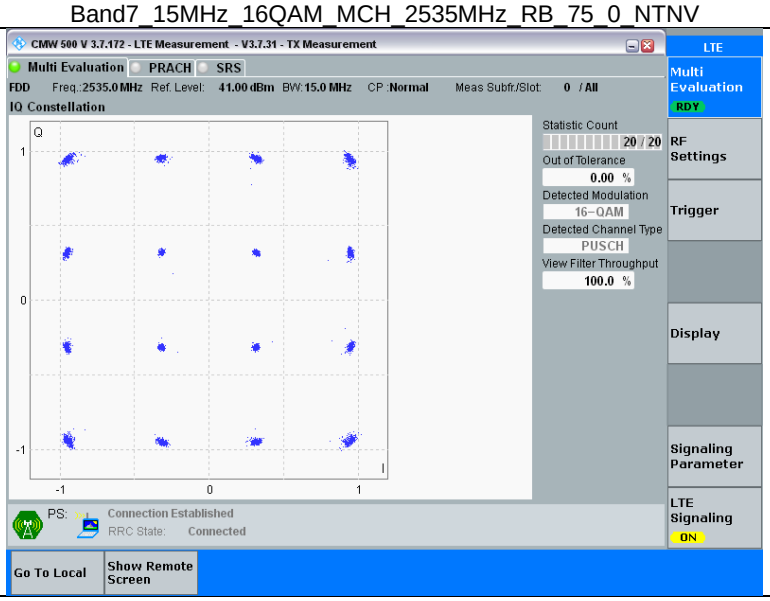


3.2.3 B7_15MHz

Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV

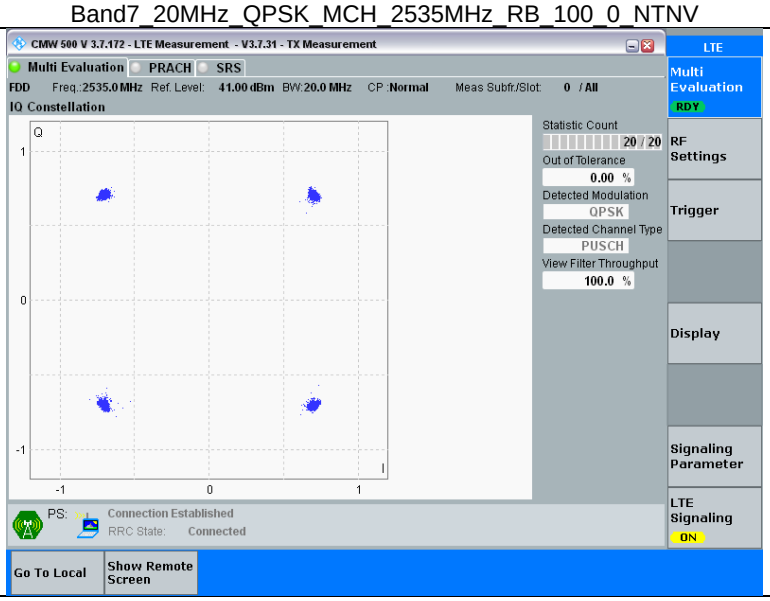


Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV

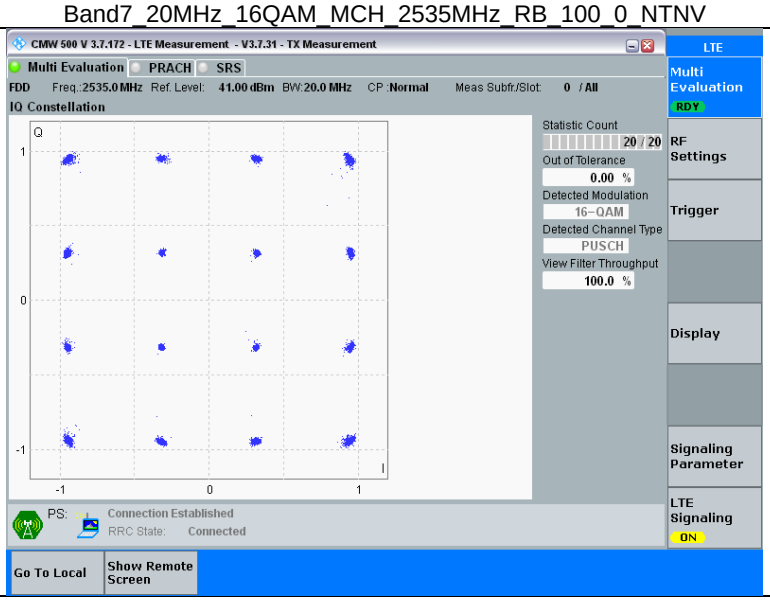


3.2.4 B7_20MHz

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	4.544	/	Pass
		2535	25	0	4.550	/	Pass
		2567.5	25	0	4.561	/	Pass
	16QAM	2502.5	25	0	4.548	/	Pass
		2535	25	0	4.550	/	Pass
		2567.5	25	0	4.543	/	Pass
10	QPSK	2505	50	0	9.071	/	Pass
		2535	50	0	9.064	/	Pass
		2565	50	0	9.073	/	Pass
	16QAM	2505	50	0	9.052	/	Pass
		2535	50	0	9.063	/	Pass
		2565	50	0	9.062	/	Pass
15	QPSK	2507.5	75	0	13.587	/	Pass
		2535	75	0	13.565	/	Pass
		2562.5	75	0	13.615	/	Pass
	16QAM	2507.5	75	0	13.606	/	Pass
		2535	75	0	13.570	/	Pass
		2562.5	75	0	13.619	/	Pass
20	QPSK	2510	100	0	18.104	/	Pass
		2535	100	0	18.147	/	Pass
		2560	100	0	18.074	/	Pass
	16QAM	2510	100	0	18.072	/	Pass
		2535	100	0	18.146	/	Pass
		2560	100	0	18.118	/	Pass

4.1.2 Band7_XDB

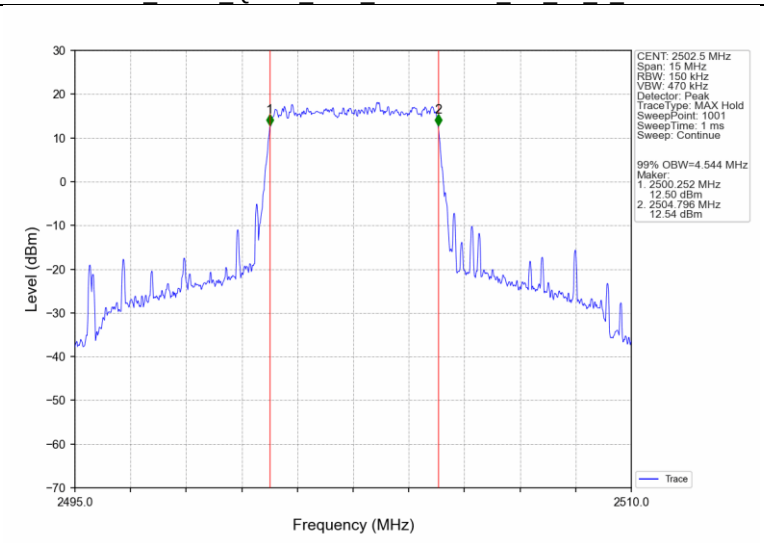
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.369	/	Pass
		2535	25	0	5.000	/	Pass
		2567.5	25	0	5.051	/	Pass
	16QAM	2502.5	25	0	5.050	/	Pass
		2535	25	0	5.013	/	Pass
		2567.5	25	0	5.022	/	Pass
10	QPSK	2505	50	0	9.991	/	Pass
		2535	50	0	9.912	/	Pass
		2565	50	0	9.917	/	Pass
	16QAM	2505	50	0	9.921	/	Pass
		2535	50	0	9.948	/	Pass
		2565	50	0	10.009	/	Pass
15	QPSK	2507.5	75	0	14.887	/	Pass
		2535	75	0	14.922	/	Pass
		2562.5	75	0	15.117	/	Pass

	16QAM	2507.5	75	0	14.839	/	Pass
		2535	75	0	14.899	/	Pass
		2562.5	75	0	14.857	/	Pass
20	QPSK	2510	100	0	19.682	/	Pass
		2535	100	0	19.837	/	Pass
		2560	100	0	19.807	/	Pass
	16QAM	2510	100	0	19.698	/	Pass
		2535	100	0	19.697	/	Pass
		2560	100	0	19.736	/	Pass

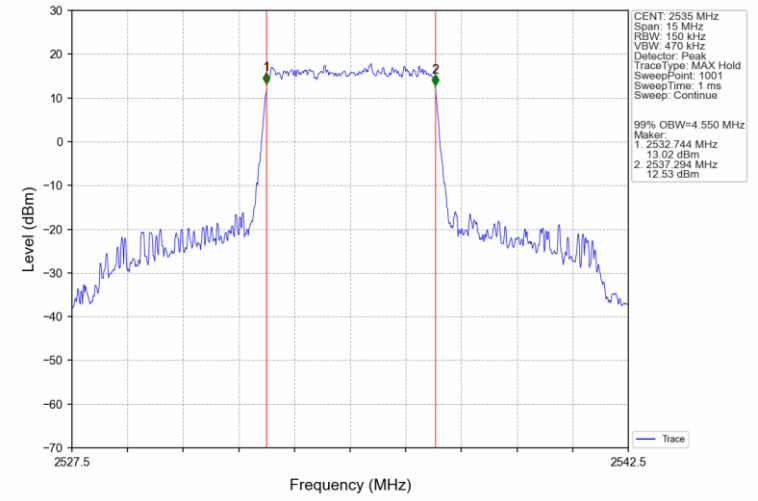
4.2 Test Graph

4.2.1 Band7_OBW

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



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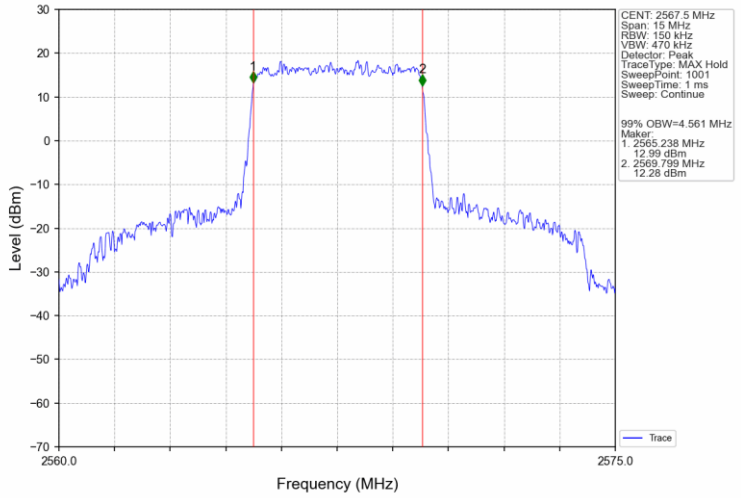

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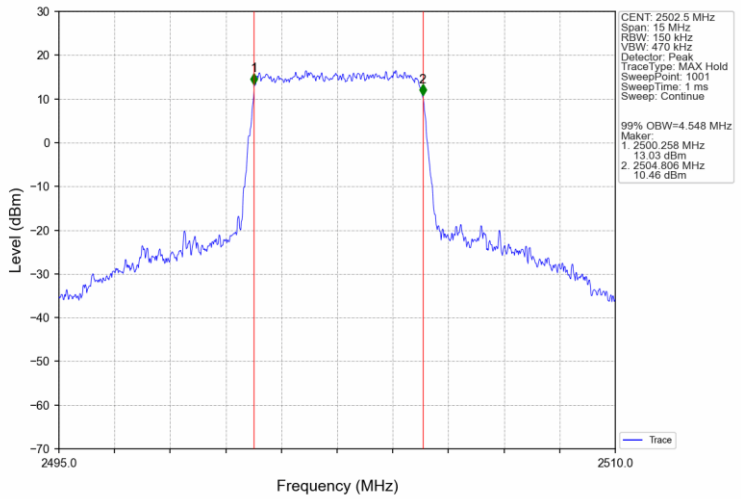

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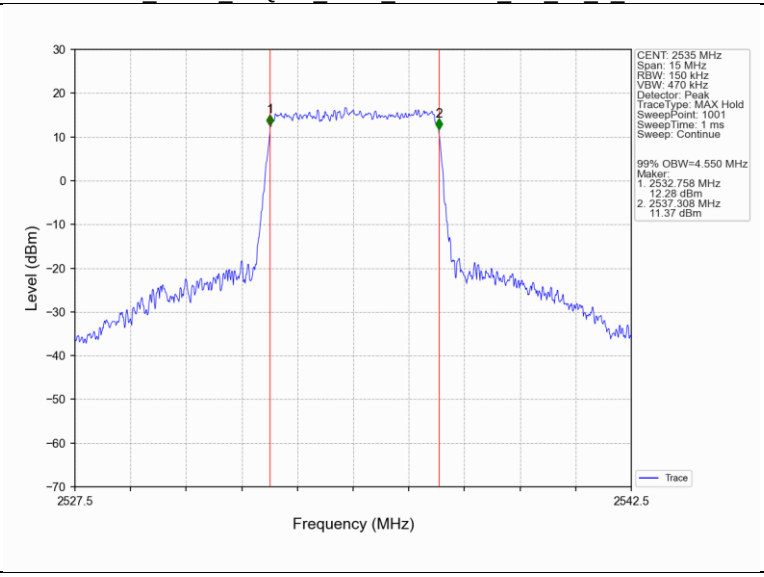

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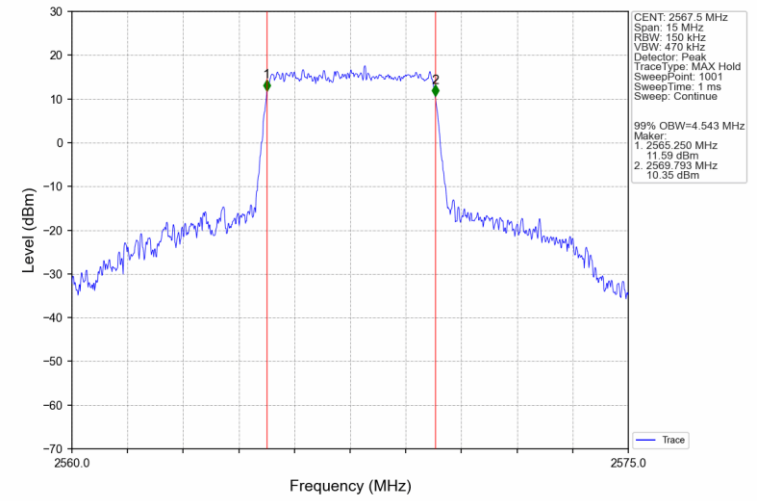
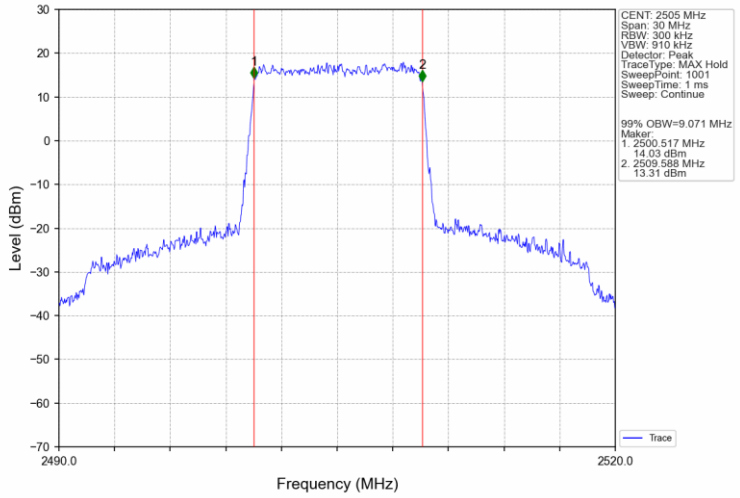
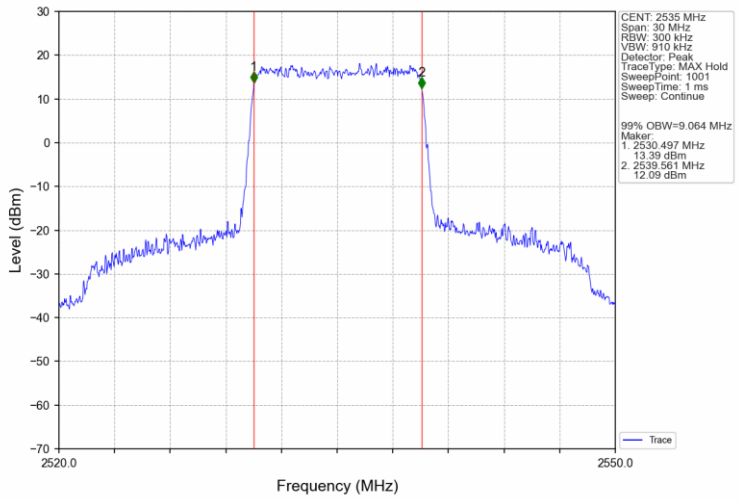


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



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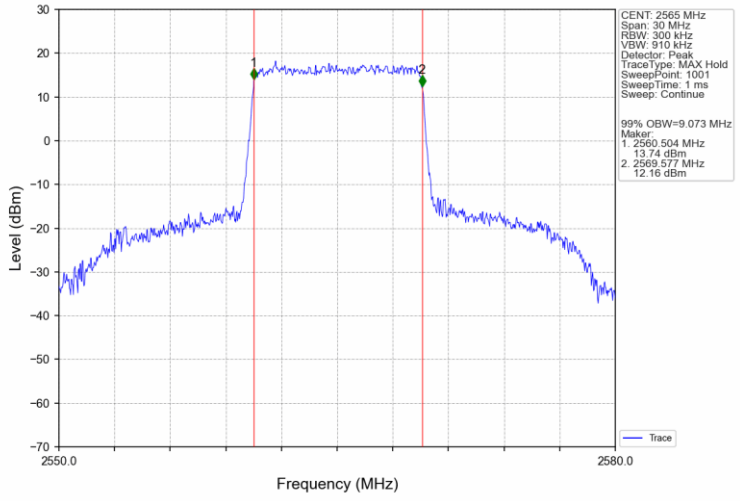
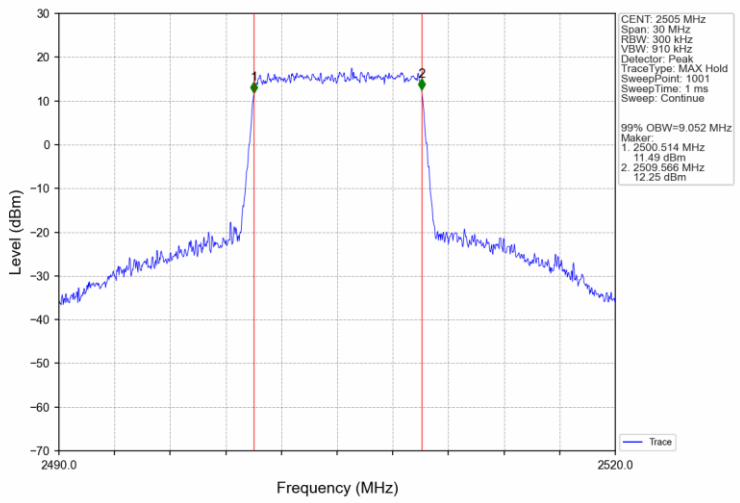
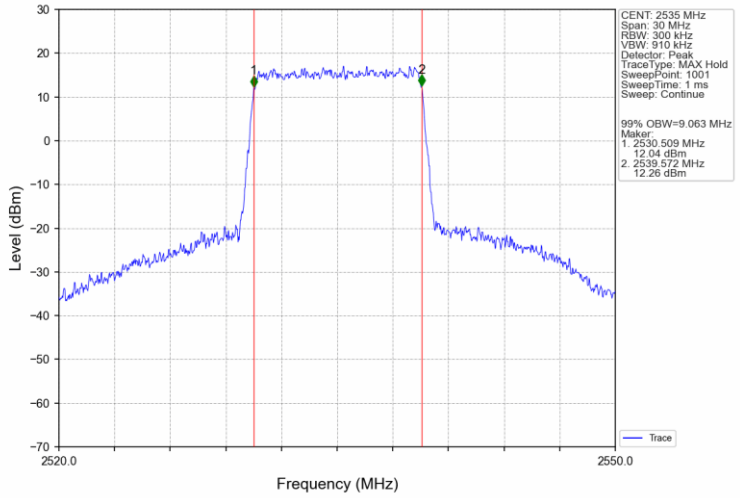


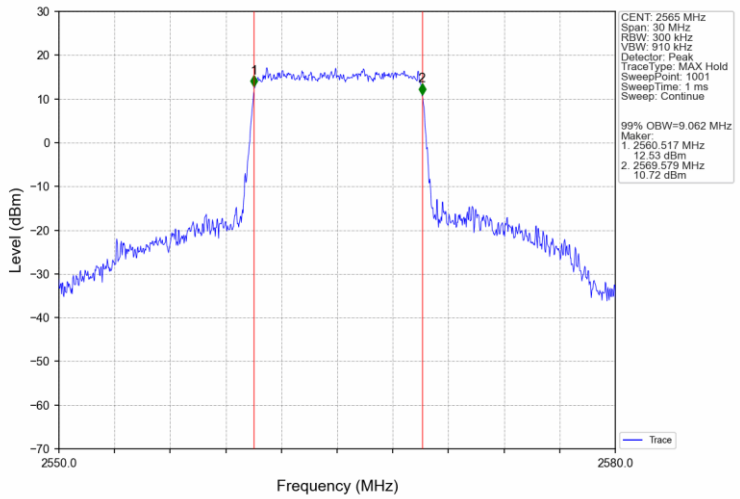
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



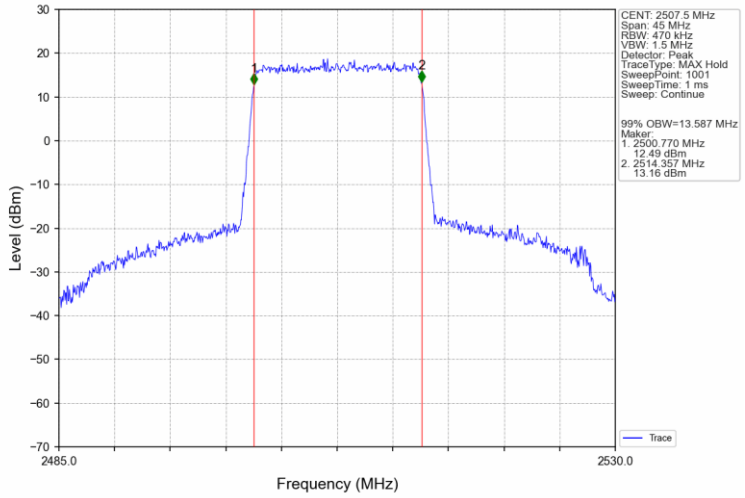
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



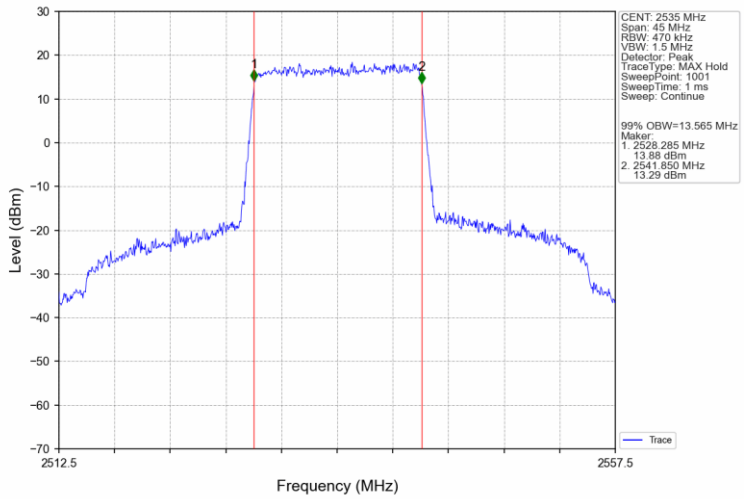
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



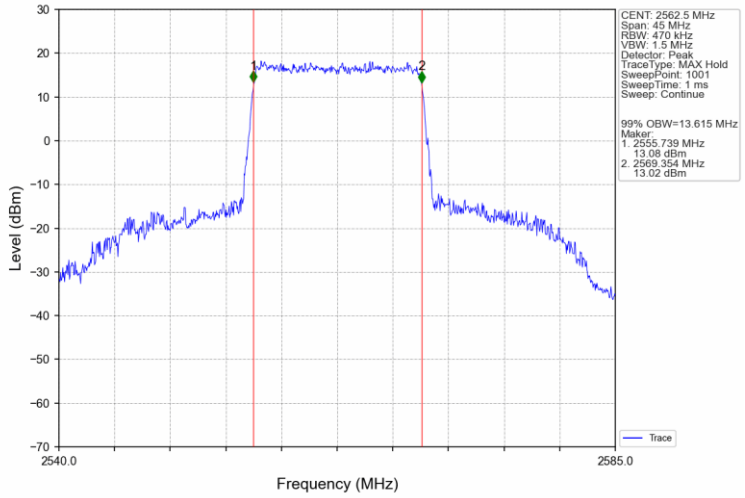
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



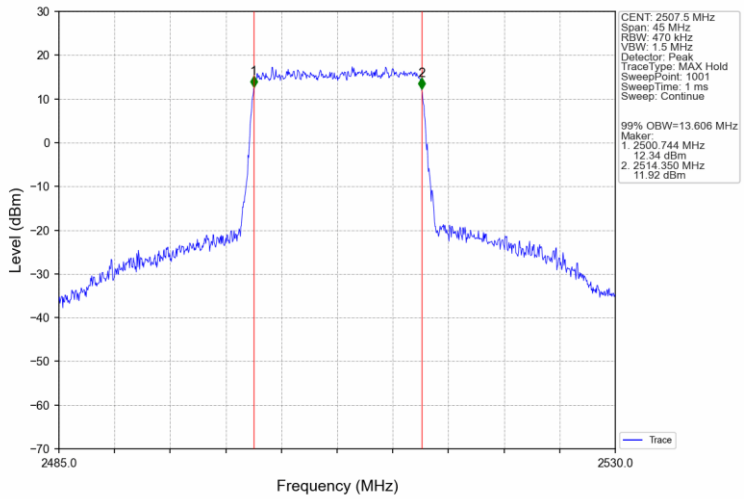
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



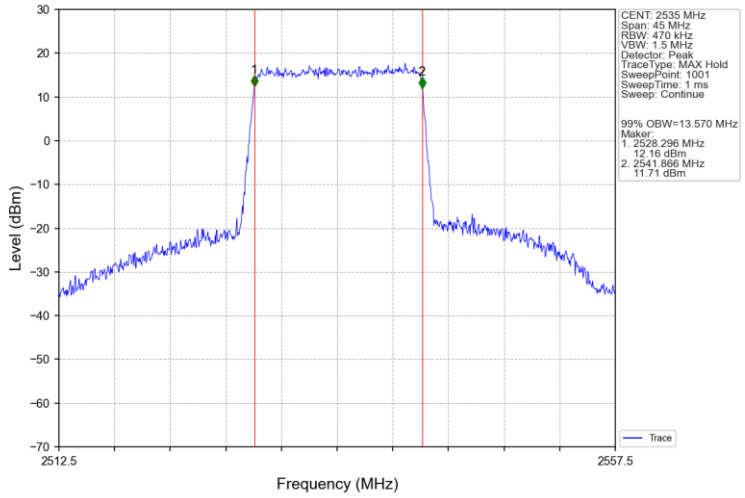
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



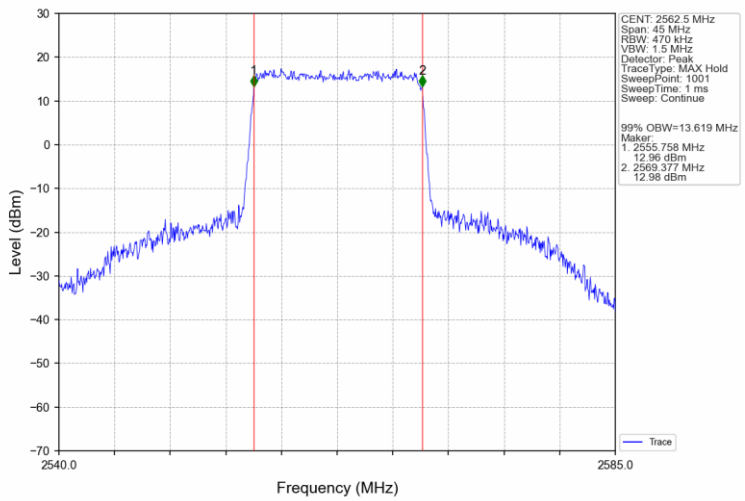
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



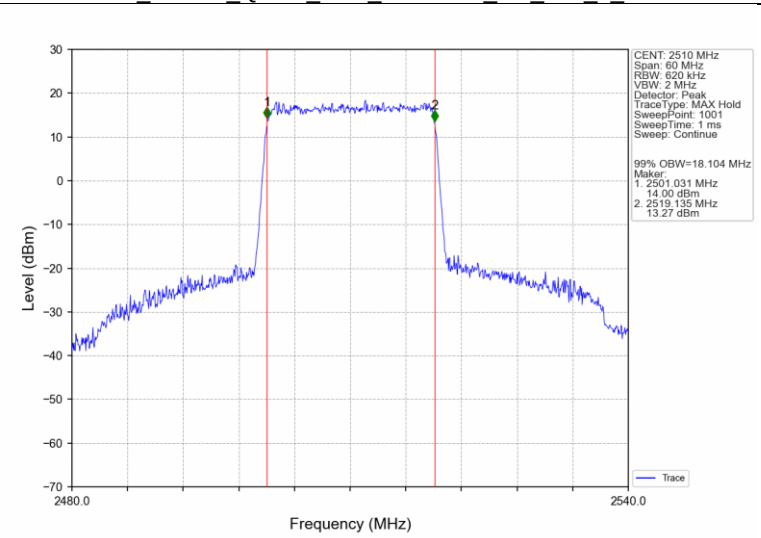
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



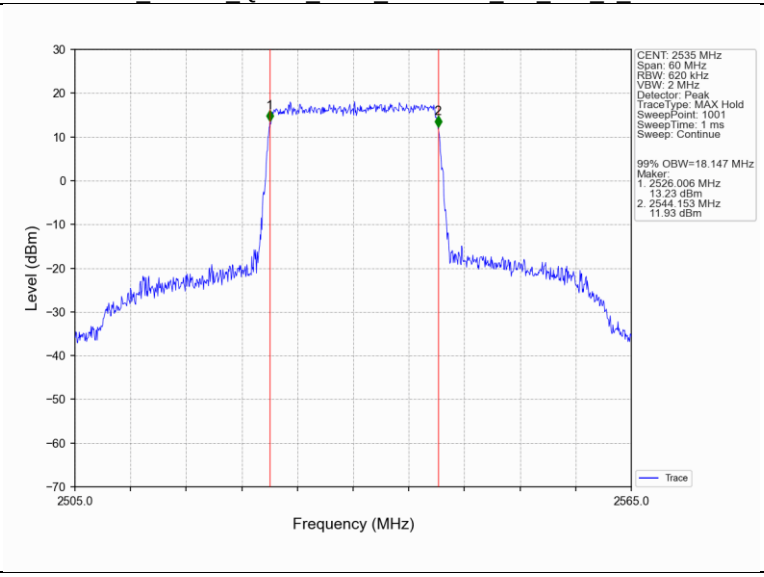
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



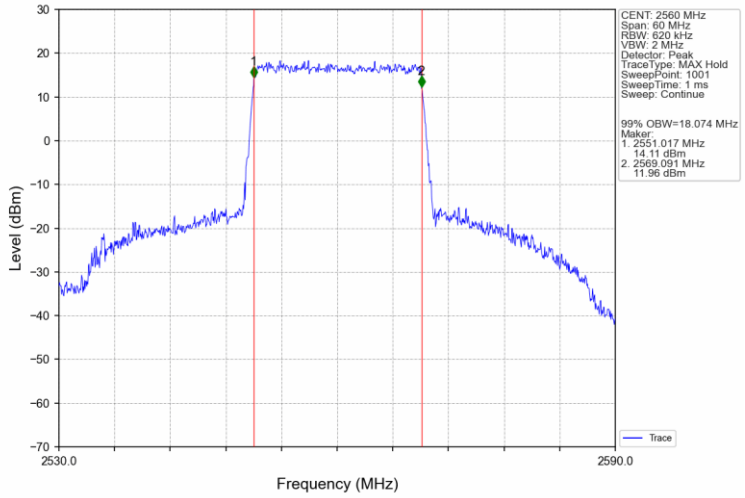
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



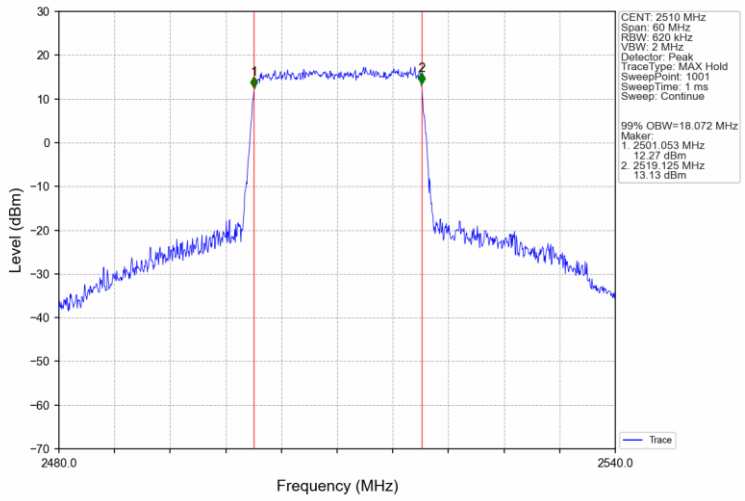
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



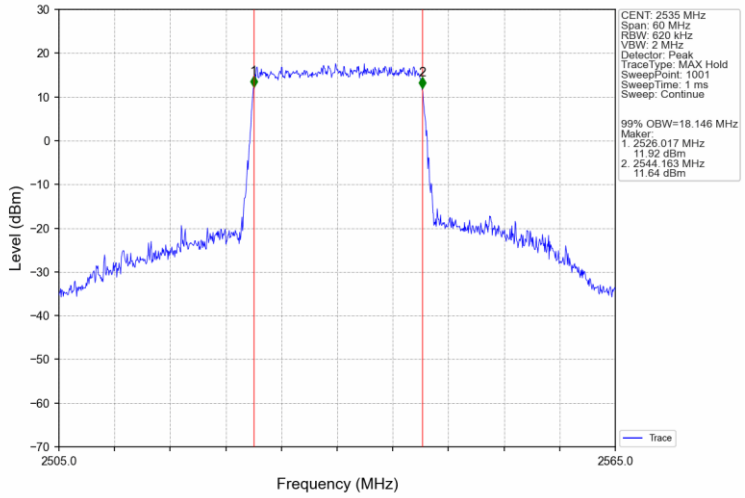
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



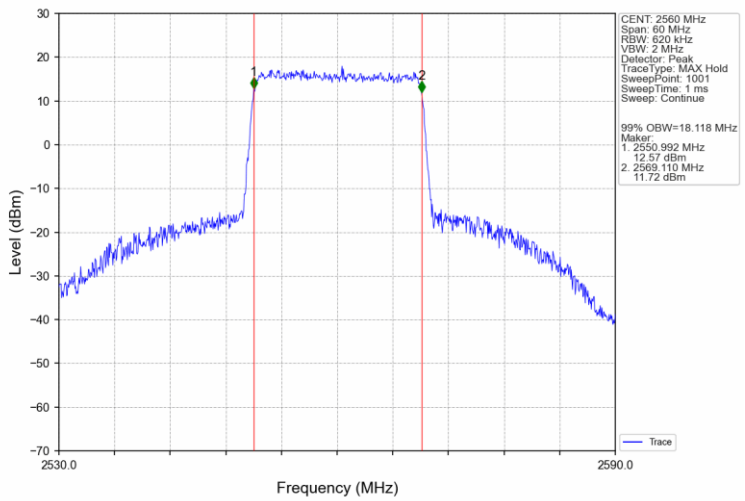
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

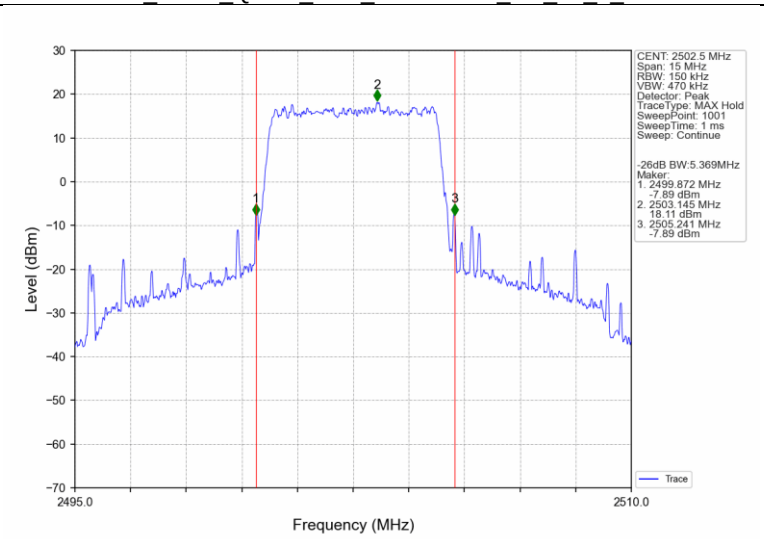


Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

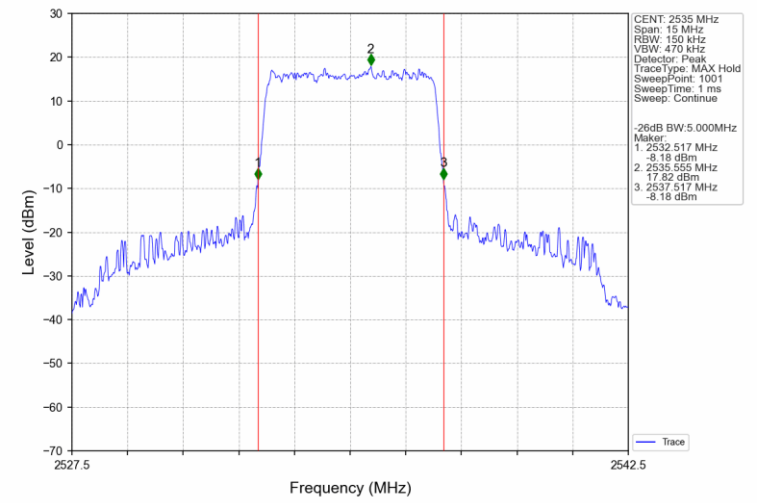


4.2.2 Band7_XDB

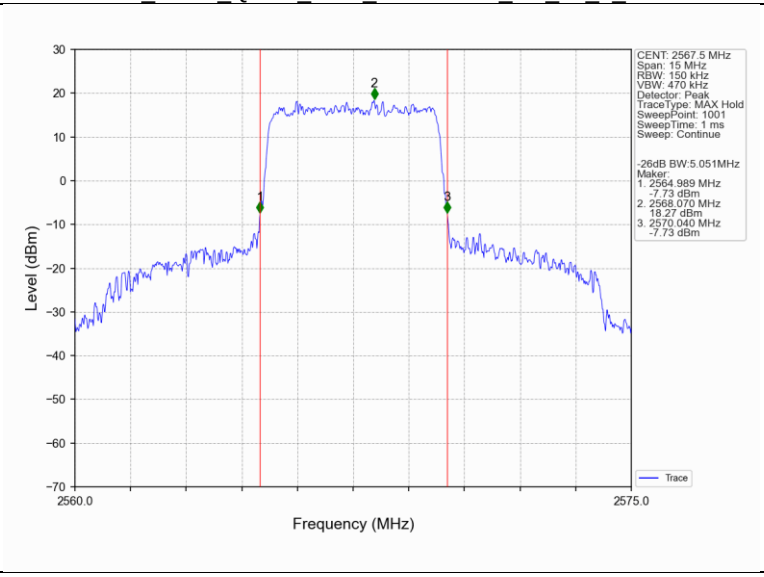
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



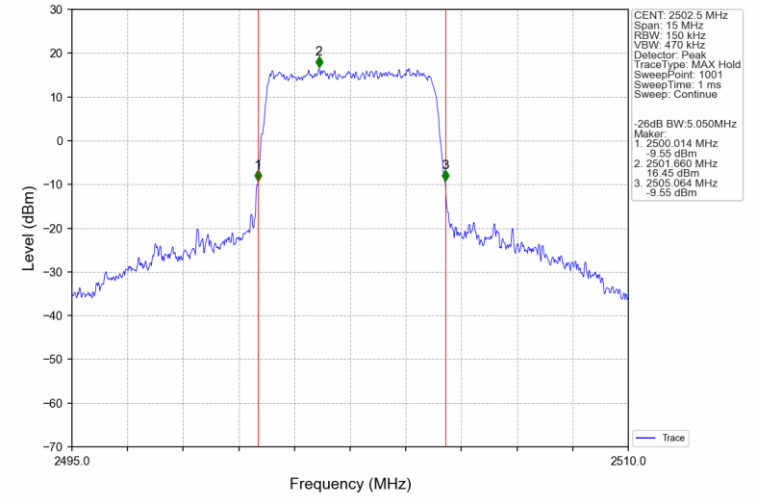
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



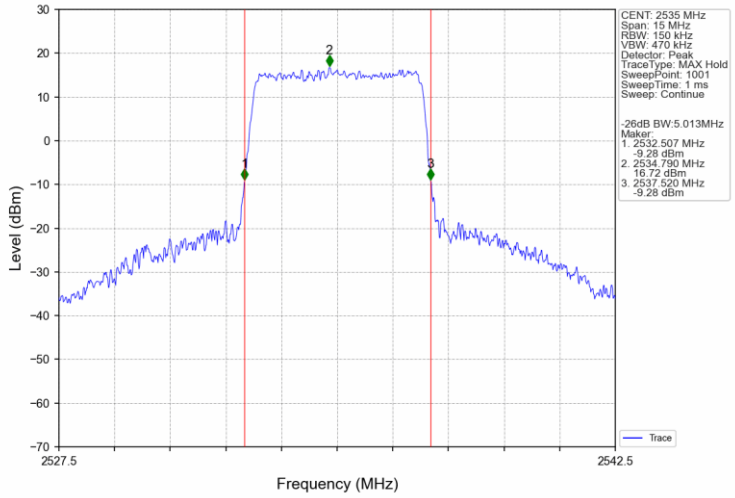
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



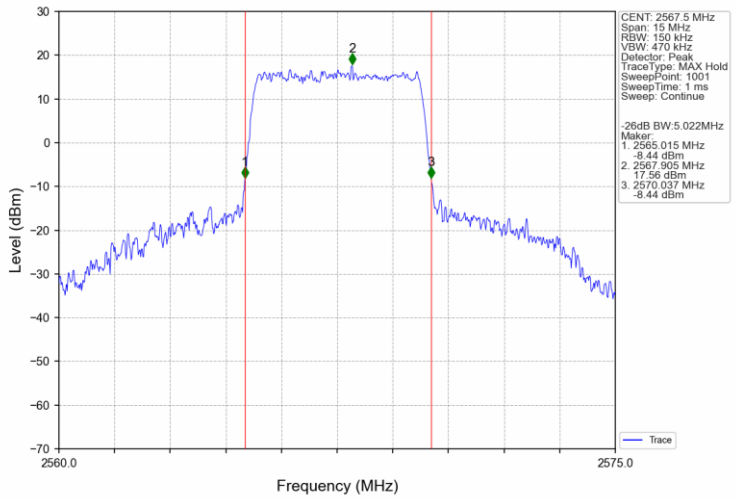
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



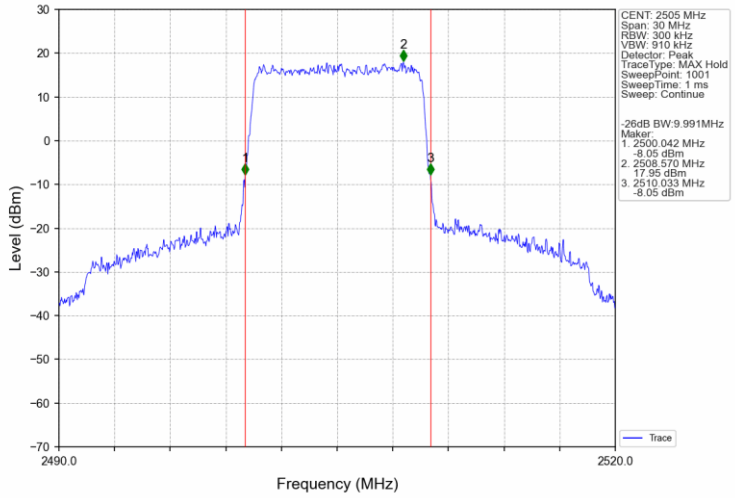
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



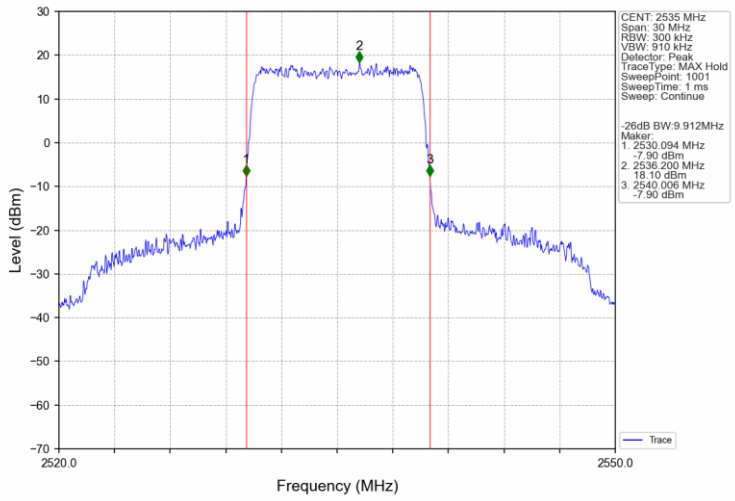
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



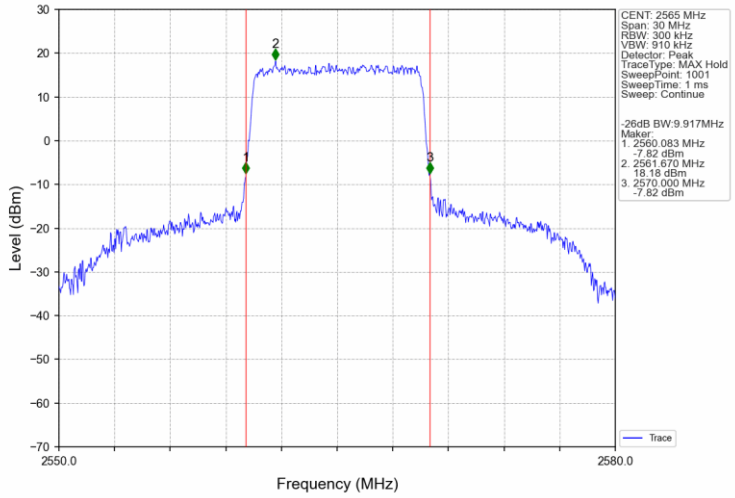
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



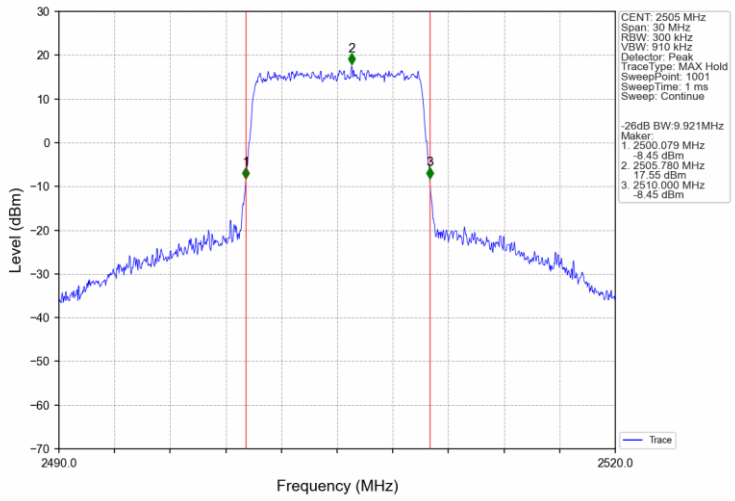
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



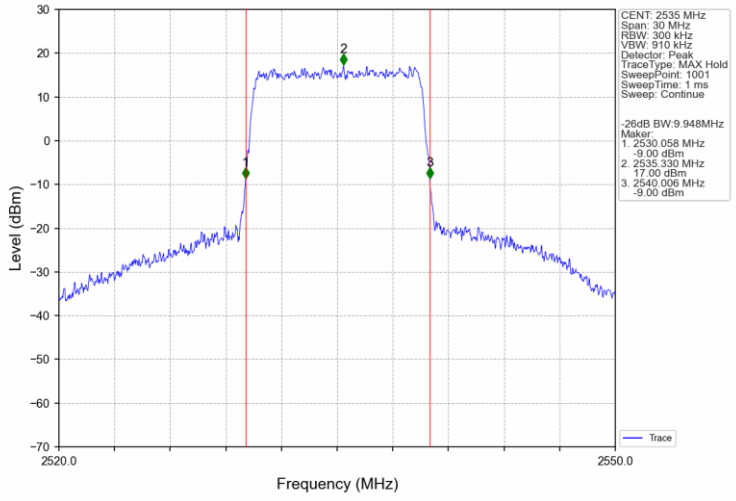
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



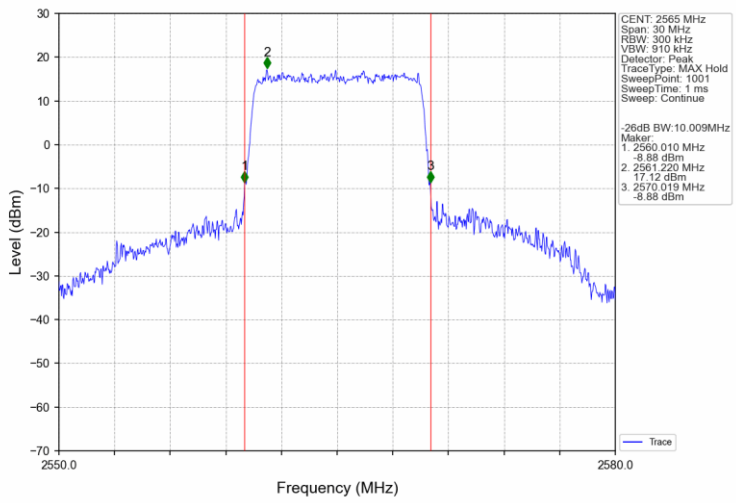
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



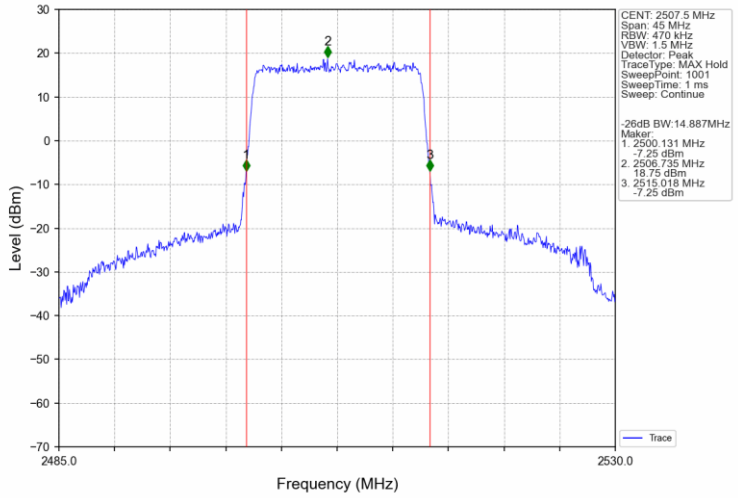
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



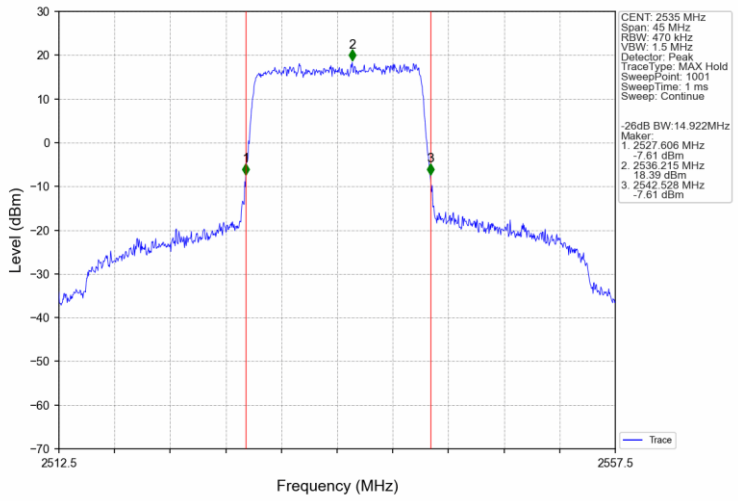
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



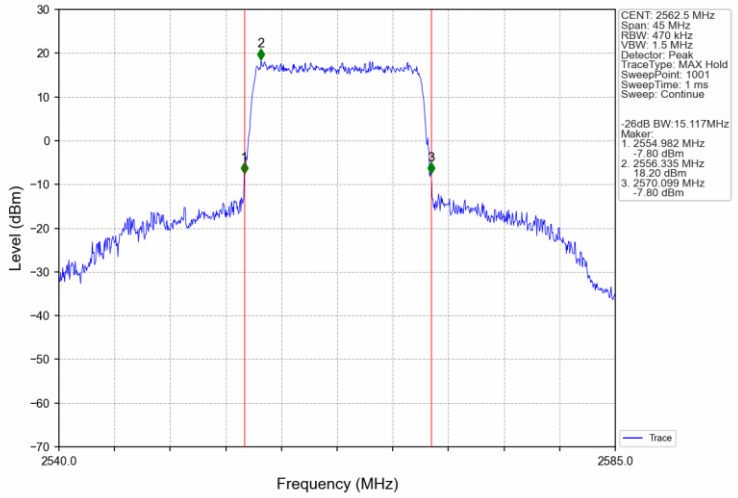
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



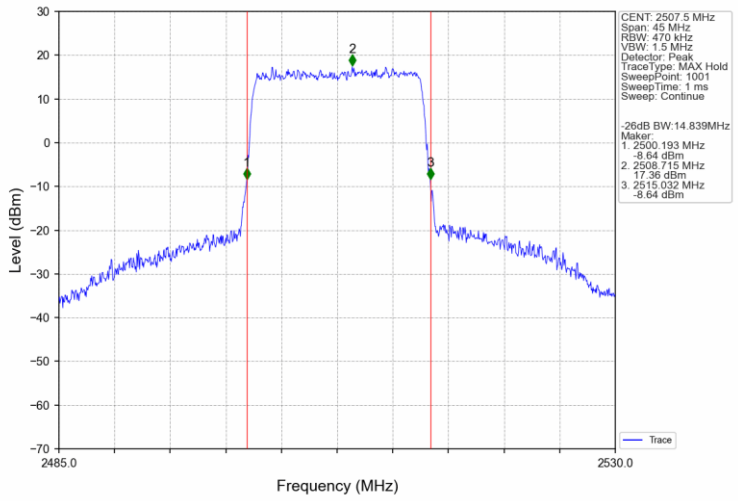
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



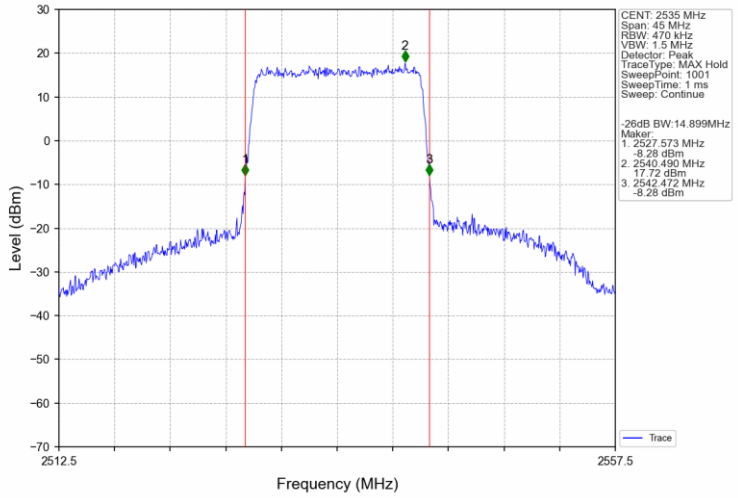
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



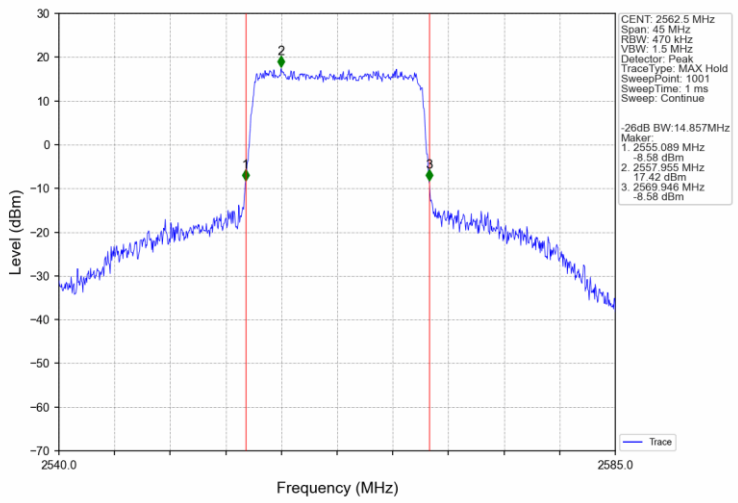
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



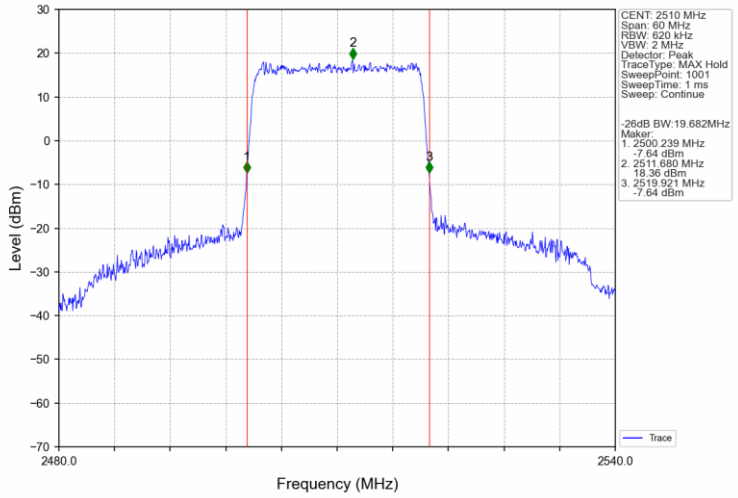
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



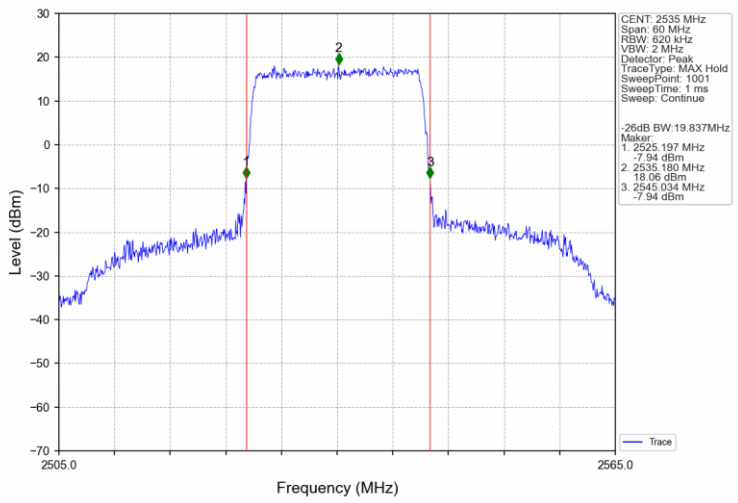
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



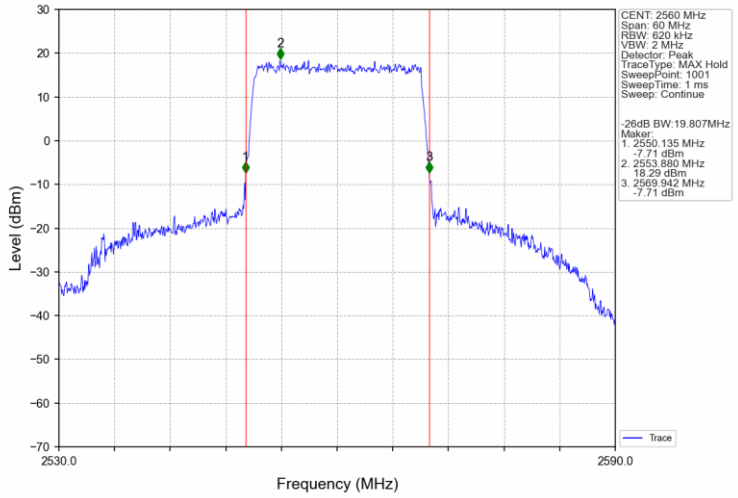
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



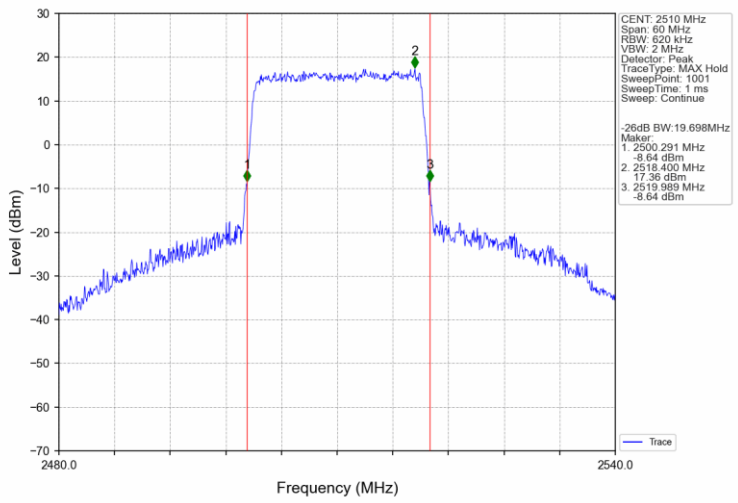
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



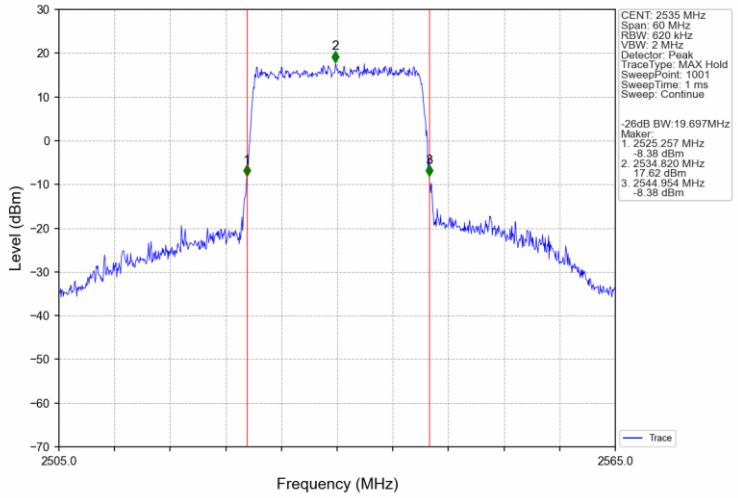
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



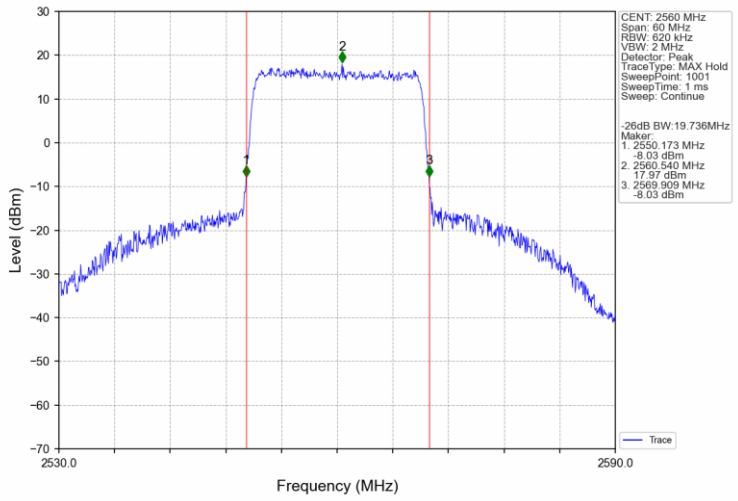
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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	5.36	<=13	Pass
	2535	25	0	5.38	<=13	Pass
	2567.5	25	0	5.05	<=13	Pass
16QAM	2502.5	25	0	6.06	<=13	Pass
	2535	25	0	6.05	<=13	Pass
	2567.5	25	0	5.75	<=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	5.35	<=13	Pass
	2535	50	0	5.36	<=13	Pass
	2565	50	0	5.16	<=13	Pass
16QAM	2505	50	0	6.10	<=13	Pass
	2535	50	0	6.04	<=13	Pass
	2565	50	0	5.92	<=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	5.08	<=13	Pass
	2535	75	0	5.10	<=13	Pass
	2562.5	75	0	5.06	<=13	Pass
16QAM	2507.5	75	0	6.09	<=13	Pass
	2535	75	0	6.03	<=13	Pass
	2562.5	75	0	6.02	<=13	Pass

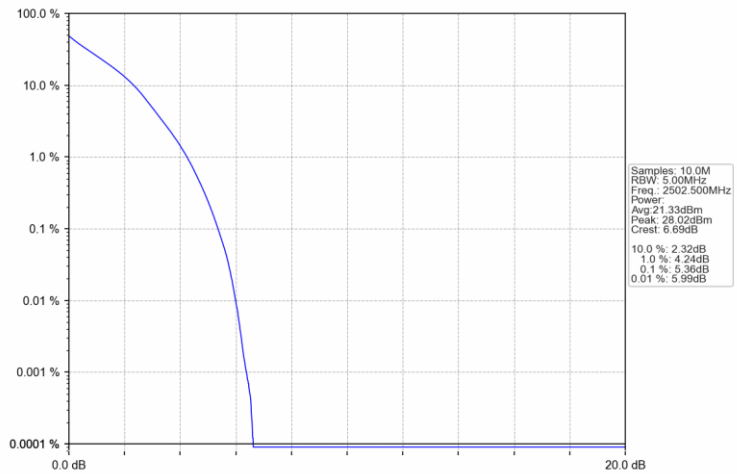
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.66	<=13	Pass
	2535	100	0	5.62	<=13	Pass
	2560	100	0	5.67	<=13	Pass
16QAM	2510	100	0	6.52	<=13	Pass
	2535	100	0	6.54	<=13	Pass
	2560	100	0	6.52	<=13	Pass

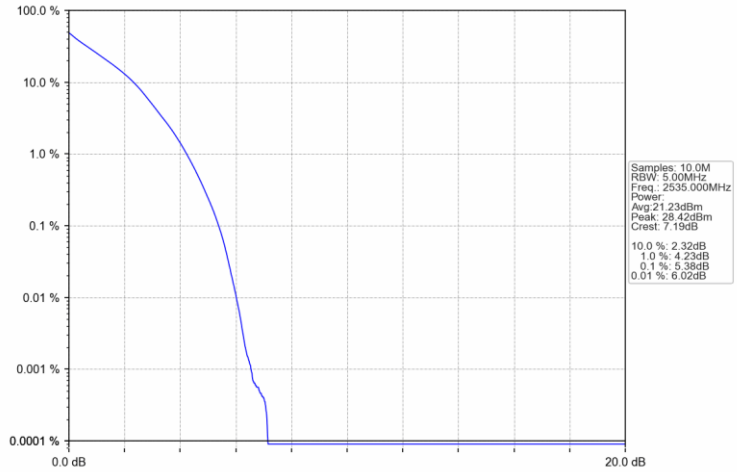
5.2 Test Graph

5.2.1 B7_5MHz

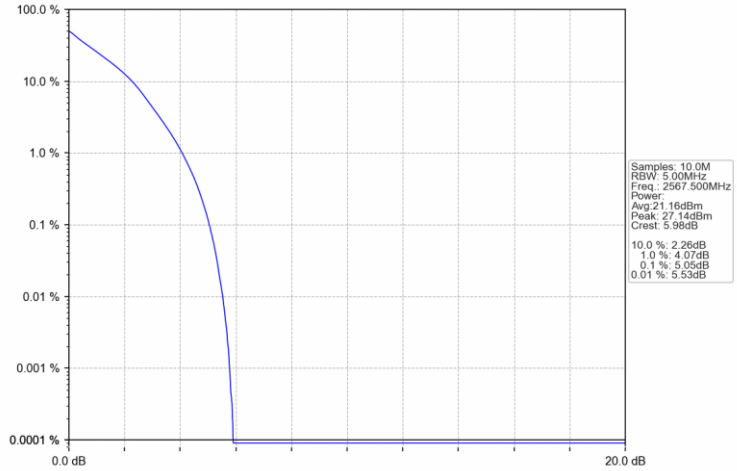
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



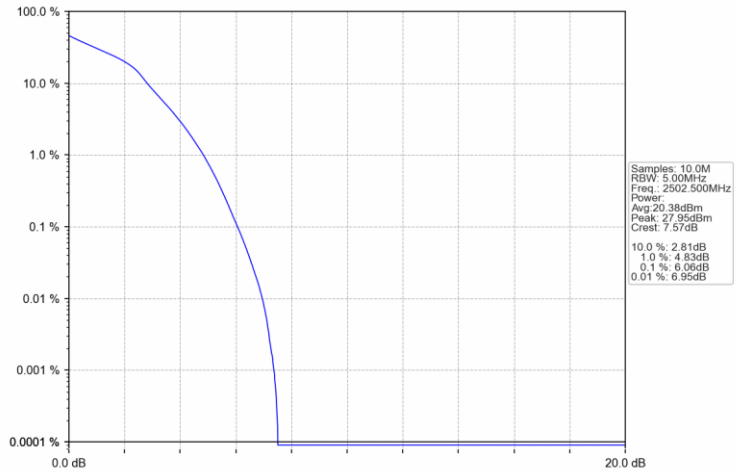
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



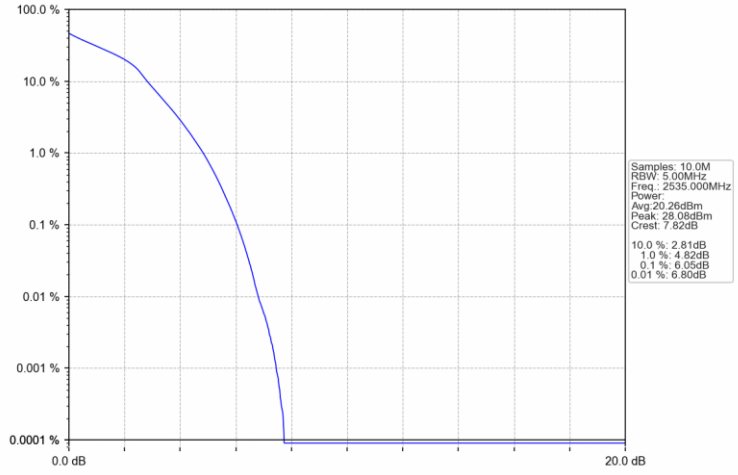
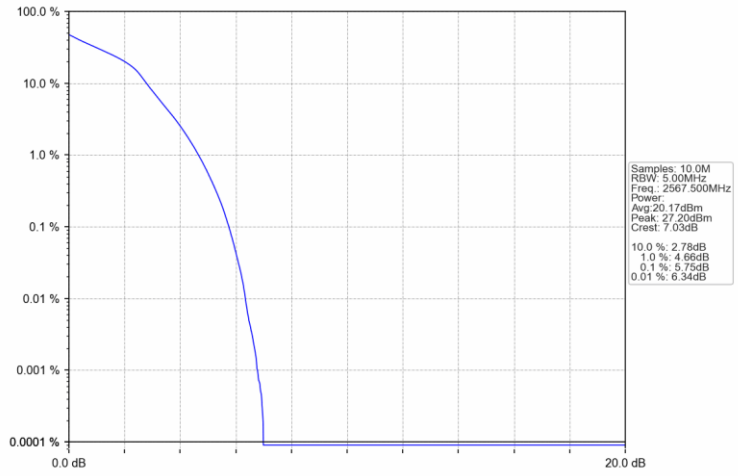
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



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