

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	23.39	1.48	24.87	<=33.01	Pass
			13	23.53	1.48	25.01	<=33.01	Pass
			24	23.45	1.48	24.93	<=33.01	Pass
		12	0	22.43	1.48	23.91	<=33.01	Pass
			6	22.51	1.48	23.99	<=33.01	Pass
			13	22.50	1.48	23.98	<=33.01	Pass
		25	0	22.45	1.48	23.93	<=33.01	Pass
	2535	1	0	23.41	1.48	24.89	<=33.01	Pass
			13	23.51	1.48	24.99	<=33.01	Pass
			24	23.41	1.48	24.89	<=33.01	Pass
		12	0	22.46	1.48	23.94	<=33.01	Pass
			6	22.52	1.48	24.00	<=33.01	Pass
			13	22.48	1.48	23.96	<=33.01	Pass
		25	0	22.48	1.48	23.96	<=33.01	Pass
	2567.5	1	0	23.29	1.48	24.77	<=33.01	Pass
			13	23.39	1.48	24.87	<=33.01	Pass
			24	23.30	1.48	24.78	<=33.01	Pass
		12	0	22.36	1.48	23.84	<=33.01	Pass
			6	22.38	1.48	23.86	<=33.01	Pass
			13	22.34	1.48	23.82	<=33.01	Pass
		25	0	22.33	1.48	23.81	<=33.01	Pass
16QAM	2502.5	1	0	22.76	1.48	24.24	<=33.01	Pass
			13	22.88	1.48	24.36	<=33.01	Pass
			24	22.78	1.48	24.26	<=33.01	Pass
		12	0	21.44	1.48	22.92	<=33.01	Pass
			6	21.52	1.48	23.00	<=33.01	Pass
			13	21.50	1.48	22.98	<=33.01	Pass
		25	0	21.48	1.48	22.96	<=33.01	Pass
	2535	1	0	22.45	1.48	23.93	<=33.01	Pass
			13	22.58	1.48	24.06	<=33.01	Pass
			24	22.49	1.48	23.97	<=33.01	Pass
		12	0	21.47	1.48	22.95	<=33.01	Pass
			6	21.51	1.48	22.99	<=33.01	Pass
			13	21.47	1.48	22.95	<=33.01	Pass
		25	0	21.46	1.48	22.94	<=33.01	Pass
	2567.5	1	0	22.18	1.48	23.66	<=33.01	Pass
			13	22.32	1.48	23.80	<=33.01	Pass
			24	22.20	1.48	23.68	<=33.01	Pass
		12	0	21.37	1.48	22.85	<=33.01	Pass
			6	21.43	1.48	22.91	<=33.01	Pass
			13	21.38	1.48	22.86	<=33.01	Pass
		25	0	21.42	1.48	22.90	<=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	23.52	1.48	25.00	<=33.01	Pass
			25	23.64	1.48	25.12	<=33.01	Pass
			49	23.64	1.48	25.12	<=33.01	Pass
		25	0	22.44	1.48	23.92	<=33.01	Pass
			13	22.54	1.48	24.02	<=33.01	Pass
			25	22.60	1.48	24.08	<=33.01	Pass
		50	0	22.49	1.48	23.97	<=33.01	Pass
	2535	1	0	23.47	1.48	24.95	<=33.01	Pass
			25	23.55	1.48	25.03	<=33.01	Pass
			49	23.50	1.48	24.98	<=33.01	Pass
		25	0	22.52	1.48	24.00	<=33.01	Pass
			13	22.52	1.48	24.00	<=33.01	Pass
			25	22.57	1.48	24.05	<=33.01	Pass
		50	0	22.53	1.48	24.01	<=33.01	Pass
	2565	1	0	23.43	1.48	24.91	<=33.01	Pass
			25	23.56	1.48	25.04	<=33.01	Pass
			49	23.43	1.48	24.91	<=33.01	Pass
		25	0	22.42	1.48	23.90	<=33.01	Pass
			13	22.39	1.48	23.87	<=33.01	Pass
			25	22.43	1.48	23.91	<=33.01	Pass
		50	0	22.39	1.48	23.87	<=33.01	Pass
16QAM	2505	1	0	22.39	1.48	23.87	<=33.01	Pass
			25	22.51	1.48	23.99	<=33.01	Pass
			49	22.50	1.48	23.98	<=33.01	Pass
		25	0	21.54	1.48	23.02	<=33.01	Pass
			13	21.60	1.48	23.08	<=33.01	Pass
			25	21.65	1.48	23.13	<=33.01	Pass
		50	0	21.52	1.48	23.00	<=33.01	Pass
	2535	1	0	22.49	1.48	23.97	<=33.01	Pass
			25	22.56	1.48	24.04	<=33.01	Pass
			49	22.50	1.48	23.98	<=33.01	Pass
		25	0	21.53	1.48	23.01	<=33.01	Pass
			13	21.56	1.48	23.04	<=33.01	Pass
			25	21.60	1.48	23.08	<=33.01	Pass
		50	0	21.51	1.48	22.99	<=33.01	Pass
	2565	1	0	22.72	1.48	24.20	<=33.01	Pass
			25	22.77	1.48	24.25	<=33.01	Pass
			49	22.64	1.48	24.12	<=33.01	Pass
		25	0	21.44	1.48	22.92	<=33.01	Pass
			13	21.43	1.48	22.91	<=33.01	Pass
			25	21.45	1.48	22.93	<=33.01	Pass
		50	0	21.37	1.48	22.85	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	23.37	1.48	24.85	<=33.01	Pass
			38	23.55	1.48	25.03	<=33.01	Pass
			74	23.41	1.48	24.89	<=33.01	Pass
		36	0	22.48	1.48	23.96	<=33.01	Pass
			18	22.58	1.48	24.06	<=33.01	Pass
			39	22.60	1.48	24.08	<=33.01	Pass
		75	0	22.60	1.48	24.08	<=33.01	Pass

16QAM	2535	1	0	23.48	1.48	24.96	<=33.01	Pass
			38	23.58	1.48	25.06	<=33.01	Pass
			74	23.45	1.48	24.93	<=33.01	Pass
		36	0	22.54	1.48	24.02	<=33.01	Pass
			18	22.58	1.48	24.06	<=33.01	Pass
			39	22.61	1.48	24.09	<=33.01	Pass
		75	0	22.54	1.48	24.02	<=33.01	Pass
	2562.5	1	0	23.41	1.48	24.89	<=33.01	Pass
			38	23.49	1.48	24.97	<=33.01	Pass
			74	23.39	1.48	24.87	<=33.01	Pass
		36	0	22.54	1.48	24.02	<=33.01	Pass
			18	22.51	1.48	23.99	<=33.01	Pass
			39	22.52	1.48	24.00	<=33.01	Pass
		75	0	22.50	1.48	23.98	<=33.01	Pass
	2507.5	1	0	22.37	1.48	23.85	<=33.01	Pass
			38	22.52	1.48	24.00	<=33.01	Pass
			74	22.44	1.48	23.92	<=33.01	Pass
		36	0	21.44	1.48	22.92	<=33.01	Pass
			18	21.57	1.48	23.05	<=33.01	Pass
			39	21.58	1.48	23.06	<=33.01	Pass
		75	0	21.58	1.48	23.06	<=33.01	Pass
	2535	1	0	22.37	1.48	23.85	<=33.01	Pass
			38	22.48	1.48	23.96	<=33.01	Pass
			74	22.33	1.48	23.81	<=33.01	Pass
		36	0	21.52	1.48	23.00	<=33.01	Pass
			18	21.56	1.48	23.04	<=33.01	Pass
			39	21.55	1.48	23.03	<=33.01	Pass
		75	0	21.57	1.48	23.05	<=33.01	Pass
	2562.5	1	0	22.22	1.48	23.70	<=33.01	Pass
			38	22.35	1.48	23.83	<=33.01	Pass
			74	22.21	1.48	23.69	<=33.01	Pass
		36	0	21.46	1.48	22.94	<=33.01	Pass
			18	21.46	1.48	22.94	<=33.01	Pass
			39	21.48	1.48	22.96	<=33.01	Pass
		75	0	21.47	1.48	22.95	<=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	23.23	1.48	24.71	<=33.01	Pass
			50	23.65	1.48	25.13	<=33.01	Pass
			99	23.35	1.48	24.83	<=33.01	Pass
		50	0	22.37	1.48	23.85	<=33.01	Pass
			25	22.54	1.48	24.02	<=33.01	Pass
			50	22.56	1.48	24.04	<=33.01	Pass
		100	0	22.46	1.48	23.94	<=33.01	Pass
	2535	1	0	23.26	1.48	24.74	<=33.01	Pass
			50	23.63	1.48	25.11	<=33.01	Pass
			99	23.30	1.48	24.78	<=33.01	Pass
		50	0	22.48	1.48	23.96	<=33.01	Pass
			25	22.53	1.48	24.01	<=33.01	Pass
			50	22.57	1.48	24.05	<=33.01	Pass
		100	0	22.49	1.48	23.97	<=33.01	Pass
	2560	1	0	23.26	1.48	24.74	<=33.01	Pass
			50	23.63	1.48	25.11	<=33.01	Pass



16QAM		50	99	23.27	1.48	24.75	<=33.01	Pass	
			0	22.46	1.48	23.94	<=33.01	Pass	
			25	22.48	1.48	23.96	<=33.01	Pass	
			50	22.41	1.48	23.89	<=33.01	Pass	
		100	0	22.42	1.48	23.90	<=33.01	Pass	
	2510	1	0	22.61	1.48	24.09	<=33.01	Pass	
			50	23.02	1.48	24.50	<=33.01	Pass	
			99	22.71	1.48	24.19	<=33.01	Pass	
		50	0	21.40	1.48	22.88	<=33.01	Pass	
			25	21.54	1.48	23.02	<=33.01	Pass	
			50	21.55	1.48	23.03	<=33.01	Pass	
		100	0	21.49	1.48	22.97	<=33.01	Pass	
		2535	1	0	22.27	1.48	23.75	<=33.01	Pass
				50	22.59	1.48	24.07	<=33.01	Pass
				99	22.25	1.48	23.73	<=33.01	Pass
			50	0	21.45	1.48	22.93	<=33.01	Pass
				25	21.55	1.48	23.03	<=33.01	Pass
				50	21.57	1.48	23.05	<=33.01	Pass
			100	0	21.53	1.48	23.01	<=33.01	Pass
		2560	1	0	22.10	1.48	23.58	<=33.01	Pass
	50			22.42	1.48	23.90	<=33.01	Pass	
	99			22.07	1.48	23.55	<=33.01	Pass	
	50		0	21.44	1.48	22.92	<=33.01	Pass	
			25	21.46	1.48	22.94	<=33.01	Pass	
			50	21.39	1.48	22.87	<=33.01	Pass	
	100		0	21.45	1.48	22.93	<=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	-2.203	-0.0009	-2.5 to 2.5	Pass
					3.85	-15.821	-0.0063	-2.5 to 2.5	Pass
					4.43	-1.144	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	5.908	0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.562	0.0014	-2.5 to 2.5	Pass
				0	3.85	3.390	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.931	0.0008	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	4.535	0.0018	-2.5 to 2.5	Pass
					3.85	-8.669	-0.0034	-2.5 to 2.5	Pass
					4.43	7.610	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.964	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.639	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-19.913	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-11.058	-0.0044	-2.5 to 2.5	Pass
				10	3.85	5.279	0.0021	-2.5 to 2.5	Pass



	2567.5	25	0	30	3.85	-11.415	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-11.058	-0.0044	-2.5 to 2.5	Pass
				20	3.27	-1.230	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
					4.43	-5.450	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-17.624	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-14.191	-0.0055	-2.5 to 2.5	Pass
				0	3.85	6.351	0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-10.686	-0.0042	-2.5 to 2.5	Pass
				40	3.85	0.658	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.415	0.0002	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-14.734	-0.0059	-2.5 to 2.5	Pass
					3.85	-12.846	-0.0051	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0026	-2.5 to 2.5	Pass
				10	3.85	3.734	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-5.479	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.394	-0.0025	-2.5 to 2.5	Pass
					4.43	-13.018	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-11.287	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-5.522	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-12.646	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-1.473	-0.0006	-2.5 to 2.5	Pass
					3.85	-5.622	-0.0022	-2.5 to 2.5	Pass
					4.43	5.007	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.807	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-19.126	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-11.630	-0.0045	-2.5 to 2.5	Pass
				10	3.85	2.317	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				40	3.85	-11.959	-0.0047	-2.5 to 2.5	Pass
				50	3.85	7.124	0.0028	-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	-18.182	-0.0073	-2.5 to 2.5	Pass
					3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.033	-0.0012	-2.5 to 2.5	Pass

				-10	3.85	-8.454	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-14.105	-0.0056	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0003	-2.5 to 2.5	Pass
				30	3.85	-10.343	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-15.278	-0.0061	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-3.777	-0.0015	-2.5 to 2.5	Pass
					3.85	-7.410	-0.0029	-2.5 to 2.5	Pass
					4.43	-8.497	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	2.160	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-11.501	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-9.685	-0.0038	-2.5 to 2.5	Pass
				30	3.85	3.362	0.0013	-2.5 to 2.5	Pass
				40	3.85	-7.024	-0.0028	-2.5 to 2.5	Pass
				50	3.85	0.429	0.0002	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-1.903	-0.0007	-2.5 to 2.5	Pass
					3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-9.241	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
				0	3.85	2.689	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-7.467	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-13.418	-0.0054	-2.5 to 2.5	Pass
					3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-12.188	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.037	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-4.892	-0.0020	-2.5 to 2.5	Pass
				50	3.85	0.544	0.0002	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-0.529	-0.0002	-2.5 to 2.5	Pass
					3.85	-4.706	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.187	0.0005	-2.5 to 2.5	Pass
				-10	3.85	7.010	0.0028	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-7.467	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-10.028	-0.0040	-2.5 to 2.5	Pass
				40	3.85	9.270	0.0037	-2.5 to 2.5	Pass
				50	3.85	-10.600	-0.0042	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-3.405	-0.0013	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.178	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.531	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.905	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0003	-2.5 to 2.5	Pass



				40	3.85	1.688	0.0007	-2.5 to 2.5	Pass
				50	3.85	-16.565	-0.0065	-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	-5.450	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.452	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-10.943	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-12.732	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-8.841	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-8.740	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-7.052	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-10.514	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-7.482	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-8.569	-0.0034	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-3.791	-0.0015	-2.5 to 2.5	Pass
					3.85	-10.428	-0.0041	-2.5 to 2.5	Pass
					4.43	-17.409	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-10.214	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-7.138	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-8.612	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-6.480	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-11.115	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-18.640	-0.0074	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-0.486	-0.0002	-2.5 to 2.5	Pass
					3.85	-6.881	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.638	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	5.879	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0021	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-5.436	-0.0022	-2.5 to 2.5	Pass
					3.85	-10.757	-0.0043	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-8.597	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-8.740	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-8.941	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-14.362	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-9.241	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-10.886	-0.0043	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-8.025	-0.0032	-2.5 to 2.5	Pass
					3.85	-10.400	-0.0041	-2.5 to 2.5	Pass
					4.43	-13.905	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-7.625	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass

				0	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-8.197	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-14.648	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-9.141	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-11.458	-0.0045	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-1.173	-0.0005	-2.5 to 2.5	Pass
					3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-9.971	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.462	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.635	-0.0018	-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	-2.618	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.691	-0.0015	-2.5 to 2.5	Pass
					4.43	2.089	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.888	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.661	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				10	3.85	3.076	0.0012	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				50	3.85	5.636	0.0022	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-9.828	-0.0039	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-5.250	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-7.310	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-9.513	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-6.280	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-10.028	-0.0040	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-4.020	-0.0016	-2.5 to 2.5	Pass
					3.85	-7.954	-0.0031	-2.5 to 2.5	Pass
					4.43	-7.224	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-10.543	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-12.789	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-8.354	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-12.088	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-11.530	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-10.428	-0.0041	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-4.220	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
					4.43	-4.921	-0.0020	-2.5 to 2.5	Pass

				-30	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				-10	3.85	4.735	0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				10	3.85	1.502	0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.388	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-9.499	-0.0037	-2.5 to 2.5	Pass
					3.85	-13.018	-0.0051	-2.5 to 2.5	Pass
					4.43	-8.740	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.336	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-9.971	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-8.383	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.422	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-15.264	-0.0060	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.891	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-9.270	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-14.520	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-7.839	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-9.727	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-4.792	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-12.674	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-13.990	-0.0055	-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 / NTV						
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 / NTN					
----------------------------------	--	--	--	--	--

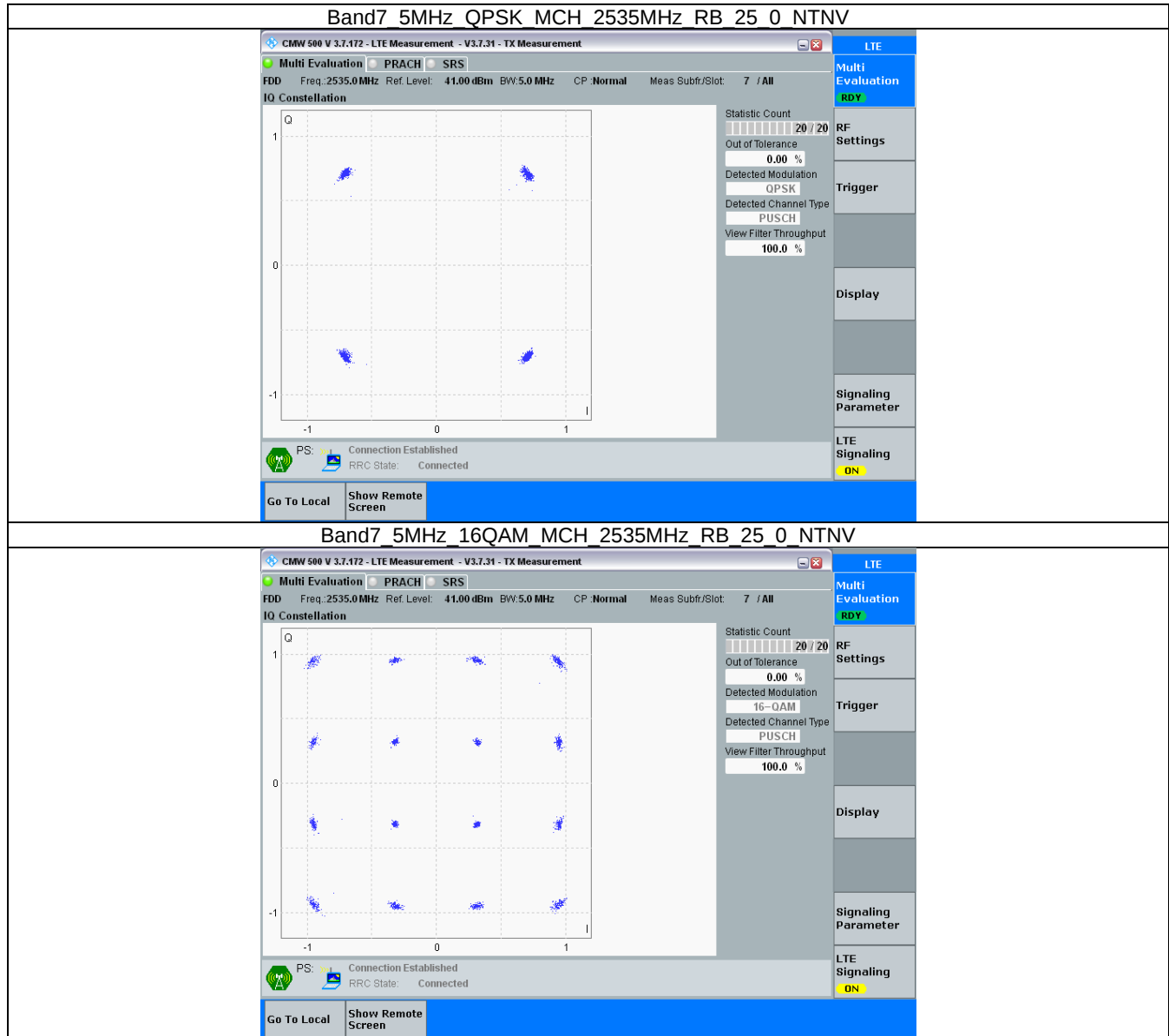
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.1.4 B7_20MHz

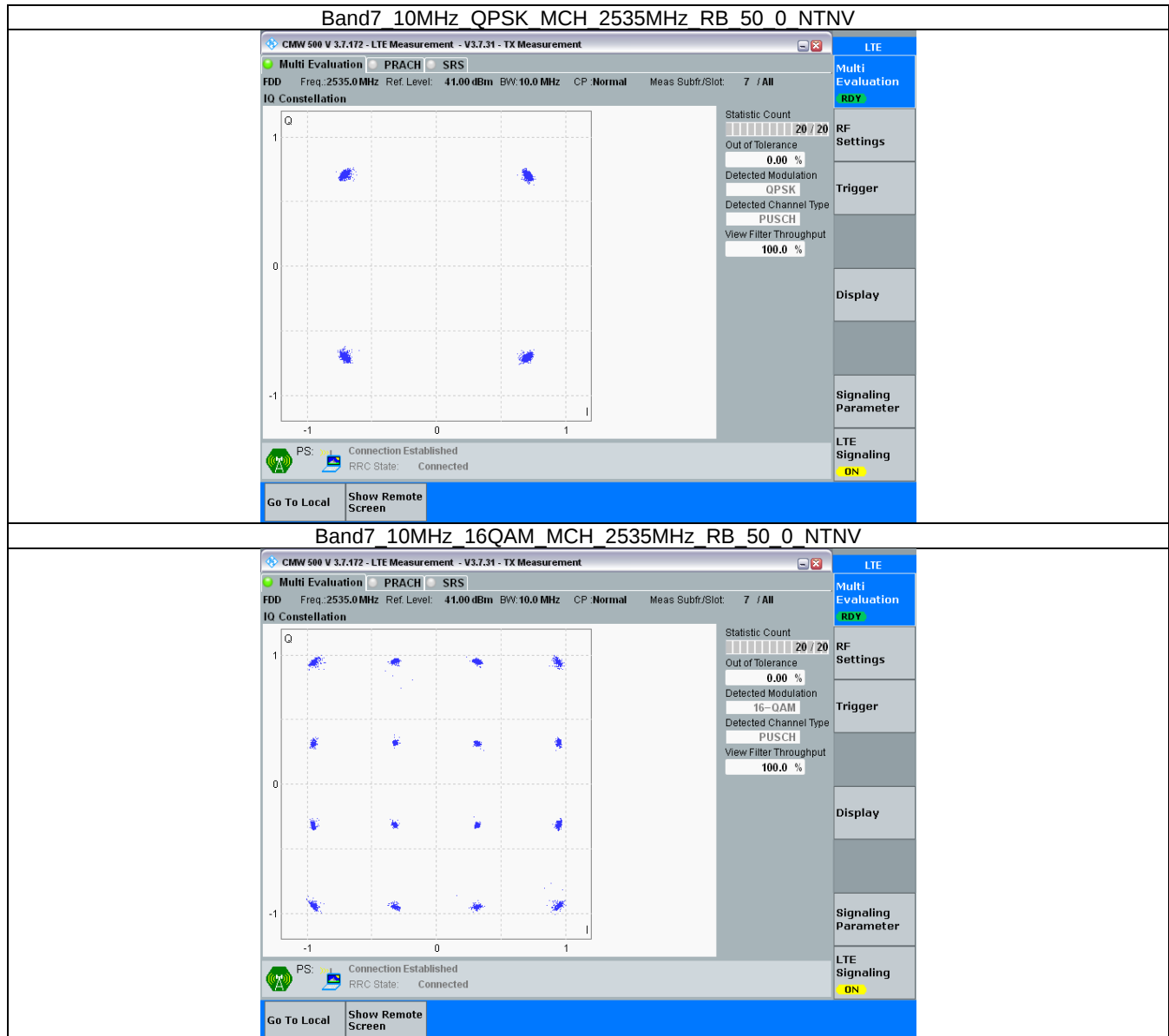
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

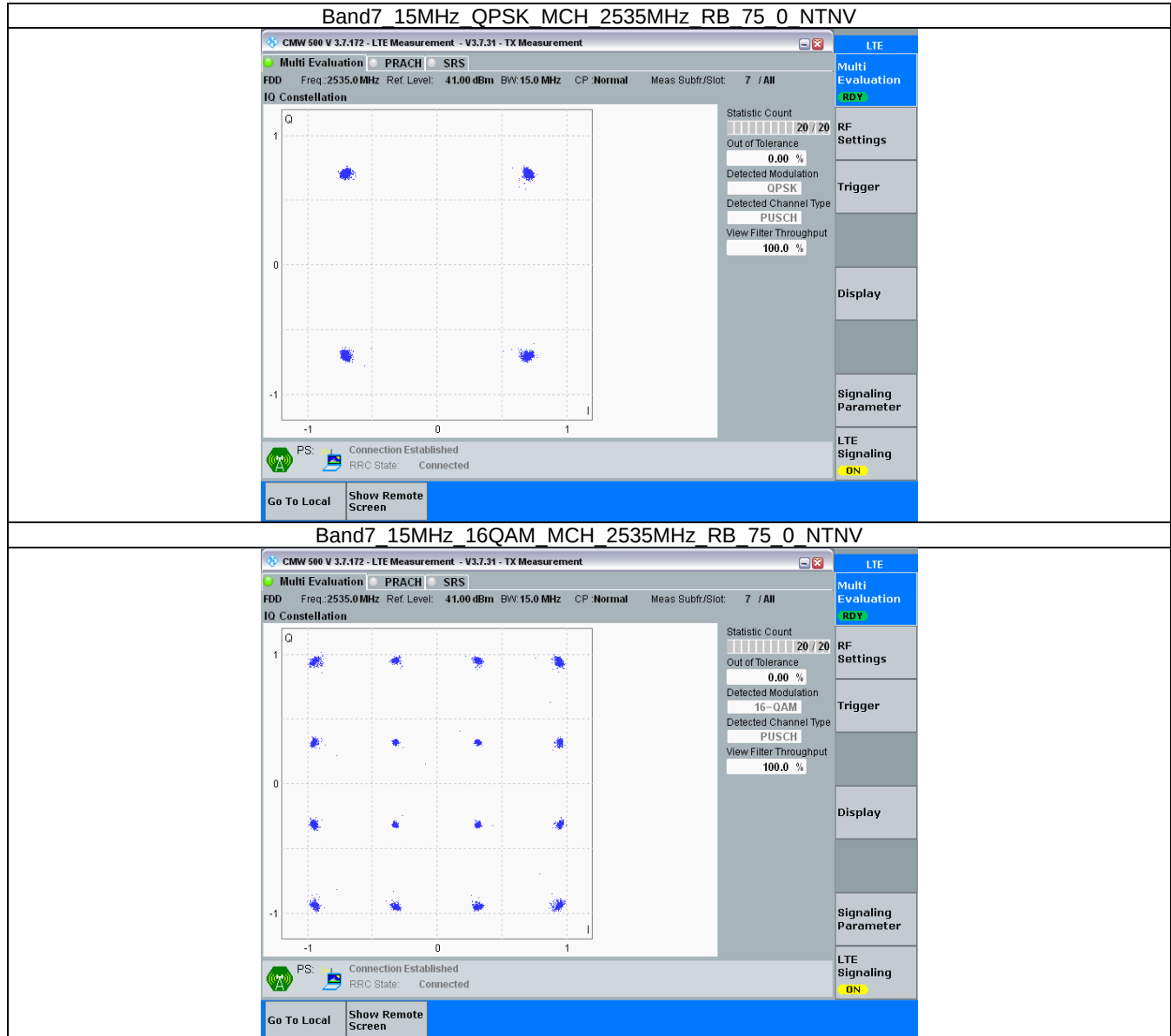
3.2.1 B7_5MHz



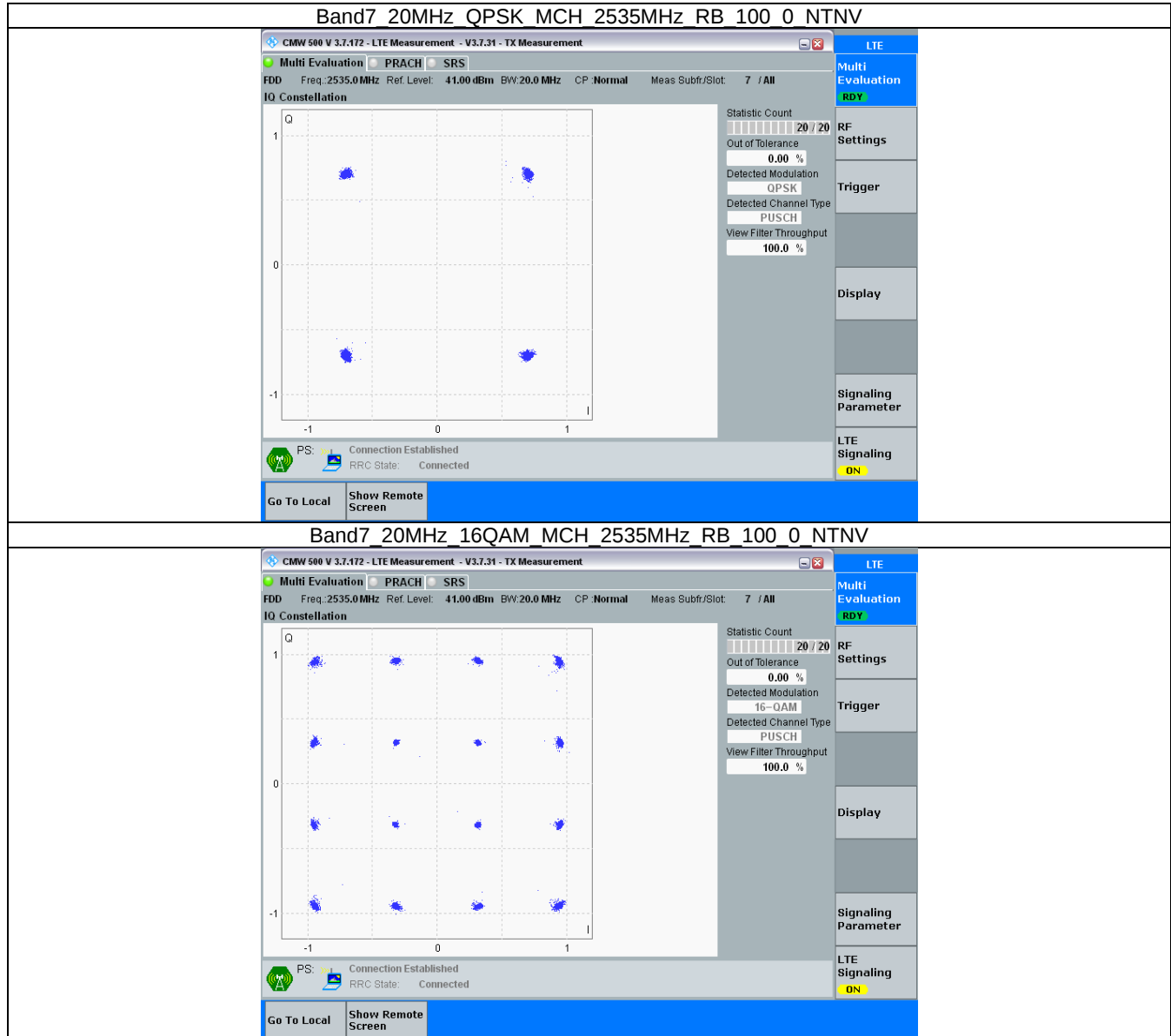
3.2.2 B7_10MHz



3.2.3 B7_15MHz



3.2.4 B7_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band7_OBW

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.536	/	Pass
		2535	25	0	4.545	/	Pass
		2567.5	25	0	4.539	/	Pass
	16QAM	2502.5	25	0	4.541	/	Pass
		2535	25	0	4.558	/	Pass
		2567.5	25	0	4.538	/	Pass
10	QPSK	2505	50	0	9.068	/	Pass
		2535	50	0	9.070	/	Pass
		2565	50	0	9.052	/	Pass
	16QAM	2505	50	0	9.056	/	Pass
		2535	50	0	9.058	/	Pass
		2565	50	0	9.050	/	Pass
15	QPSK	2507.5	75	0	13.576	/	Pass
		2535	75	0	13.607	/	Pass
		2562.5	75	0	13.585	/	Pass
	16QAM	2507.5	75	0	13.601	/	Pass
		2535	75	0	13.621	/	Pass
		2562.5	75	0	13.572	/	Pass
20	QPSK	2510	100	0	18.126	/	Pass
		2535	100	0	18.128	/	Pass
		2560	100	0	18.114	/	Pass
	16QAM	2510	100	0	18.109	/	Pass
		2535	100	0	18.082	/	Pass
		2560	100	0	18.112	/	Pass

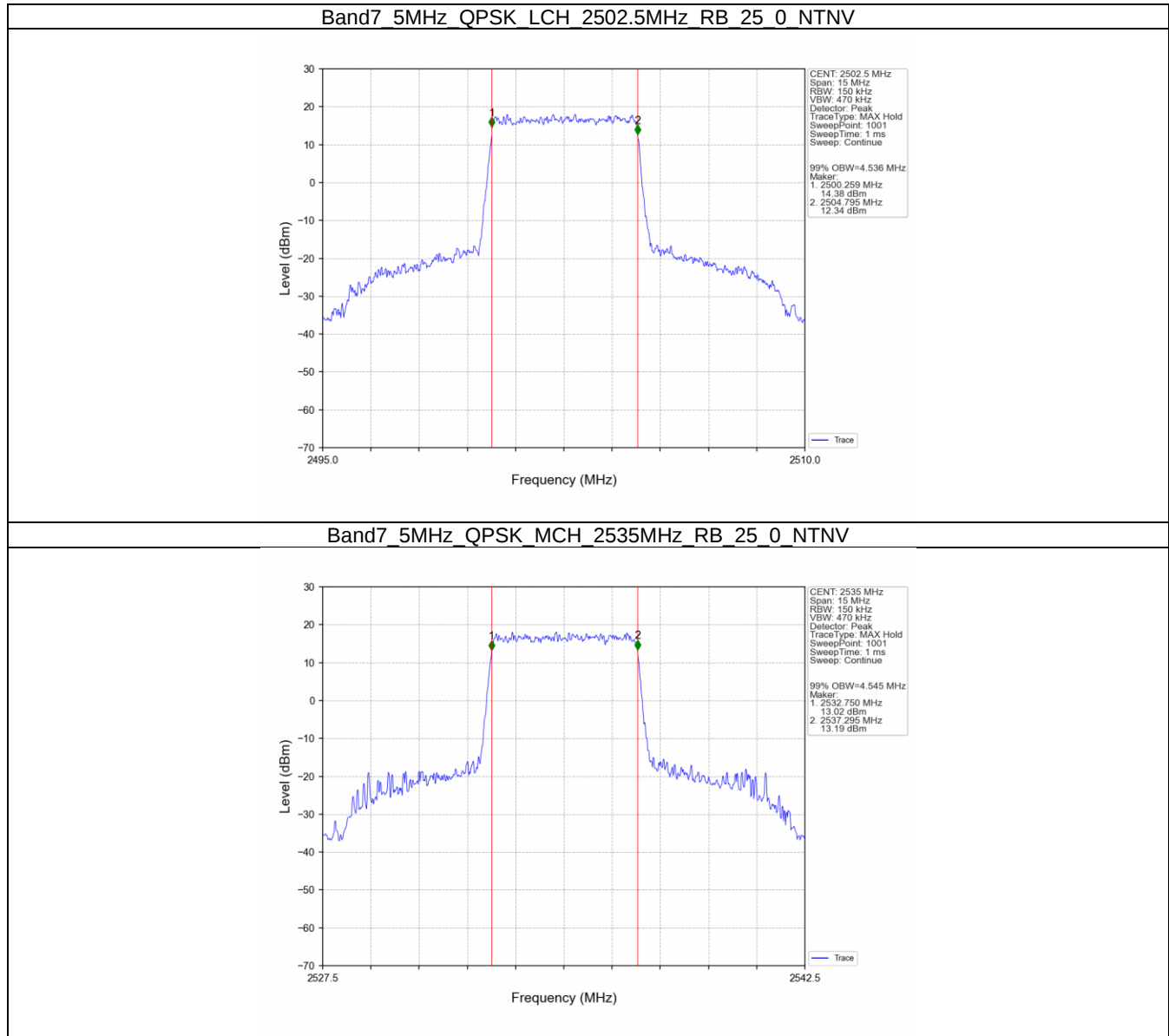
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.036	/	Pass
		2535	25	0	5.040	/	Pass
		2567.5	25	0	5.025	/	Pass
	16QAM	2502.5	25	0	5.050	/	Pass
		2535	25	0	5.024	/	Pass
		2567.5	25	0	5.010	/	Pass
10	QPSK	2505	50	0	12.044	/	Pass
		2535	50	0	9.980	/	Pass
		2565	50	0	9.950	/	Pass
	16QAM	2505	50	0	9.851	/	Pass
		2535	50	0	9.928	/	Pass
		2565	50	0	9.856	/	Pass
15	QPSK	2507.5	75	0	14.872	/	Pass
		2535	75	0	14.905	/	Pass
		2562.5	75	0	14.874	/	Pass

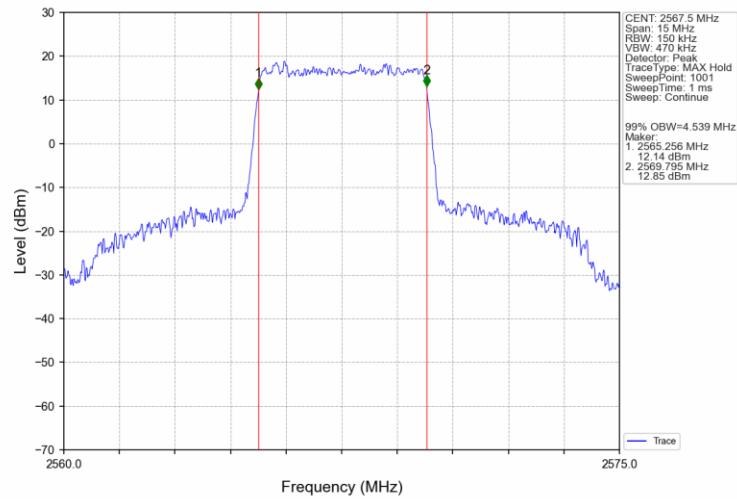
20	16QAM	2507.5	75	0	14.828	/	Pass
		2535	75	0	14.896	/	Pass
		2562.5	75	0	14.931	/	Pass
	QPSK	2510	100	0	19.768	/	Pass
		2535	100	0	19.786	/	Pass
		2560	100	0	22.332	/	Pass
	16QAM	2510	100	0	19.675	/	Pass
		2535	100	0	19.701	/	Pass
		2560	100	0	19.696	/	Pass

4.2 Test Graph

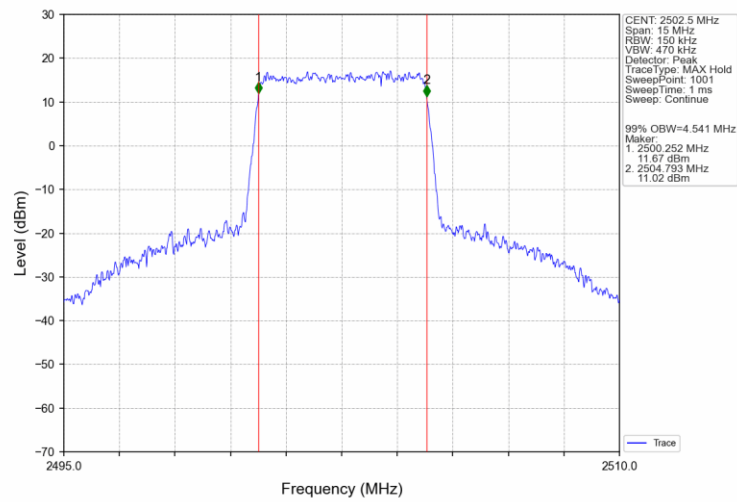
4.2.1 Band7_OBW



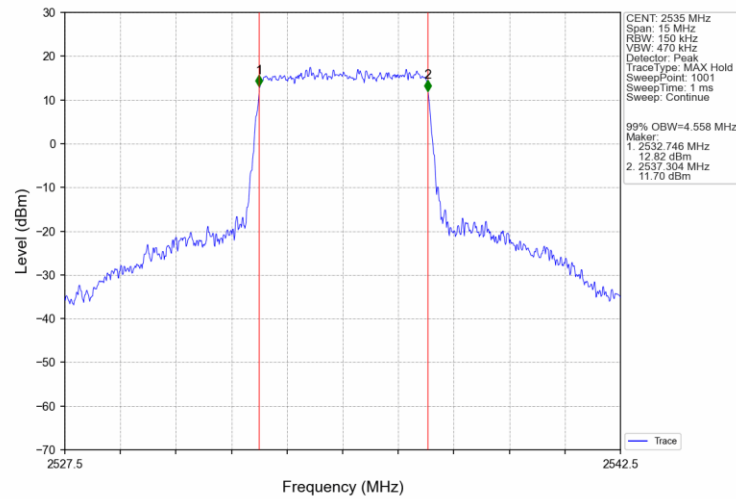
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



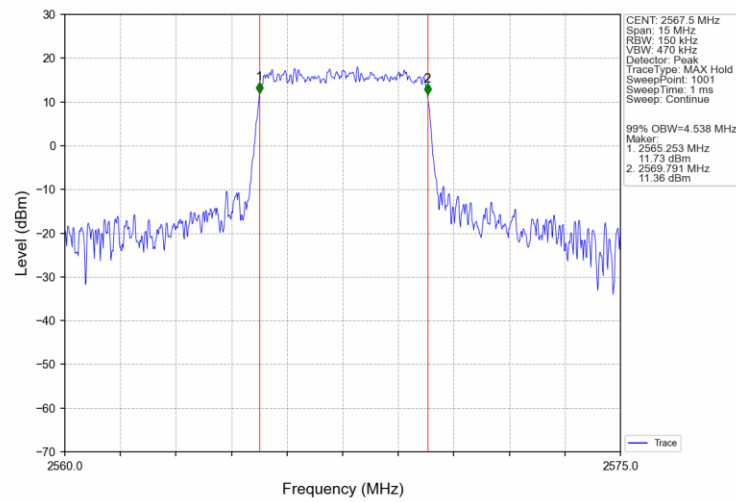
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



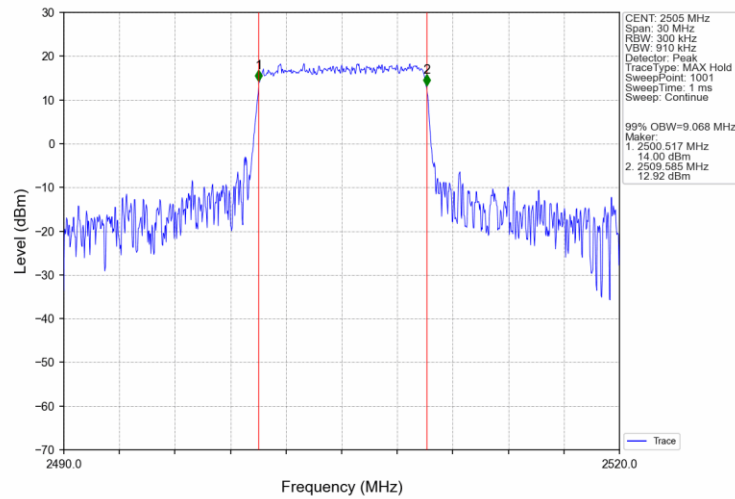
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



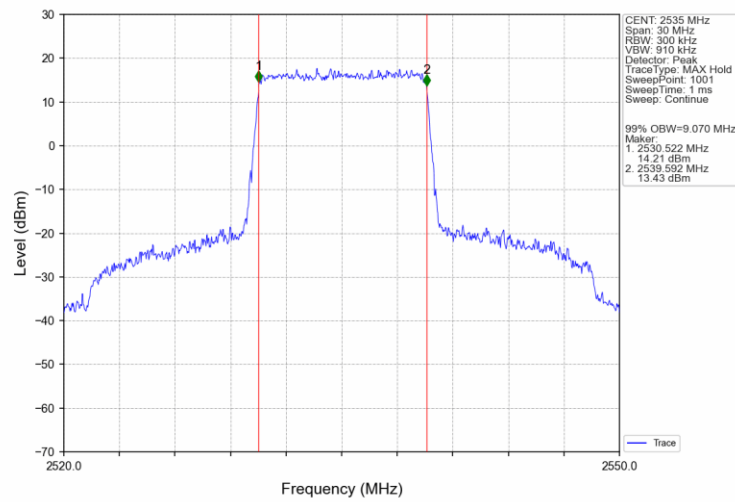
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



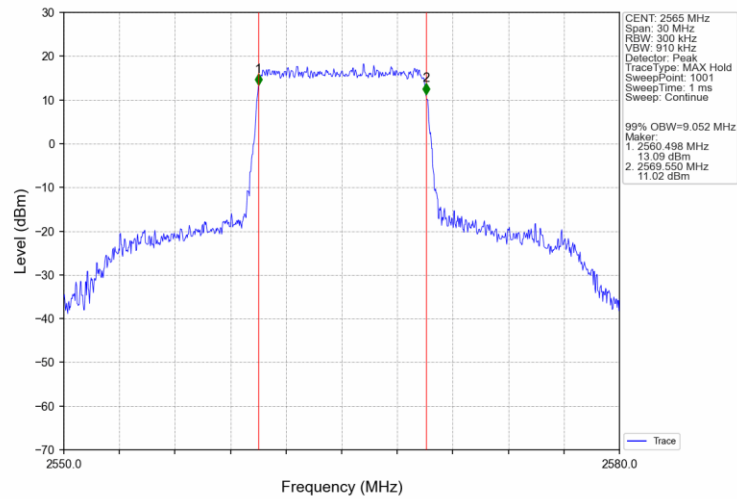
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV



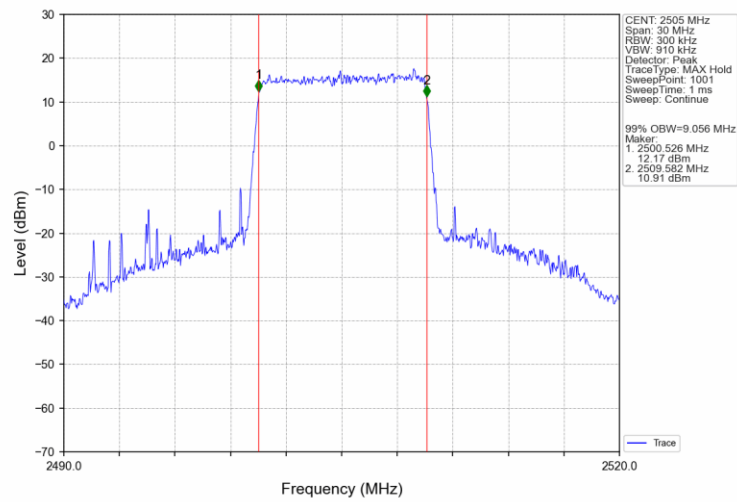
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV

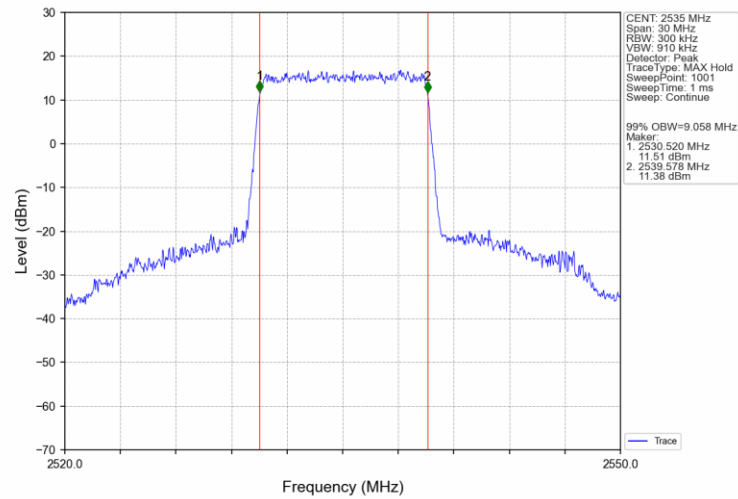


Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV

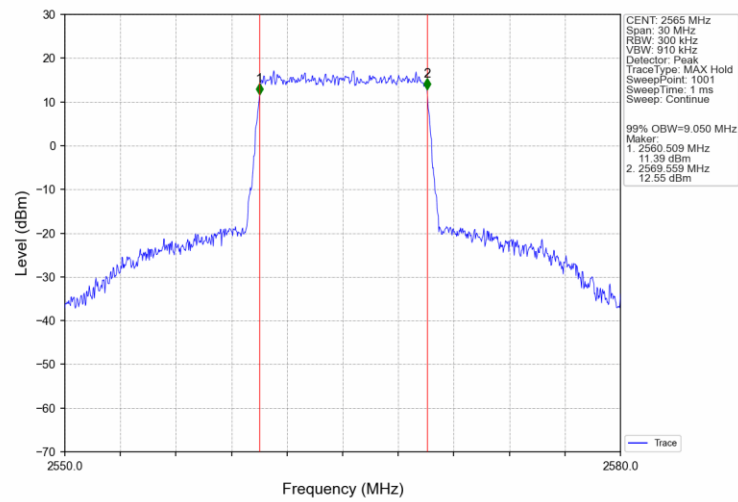




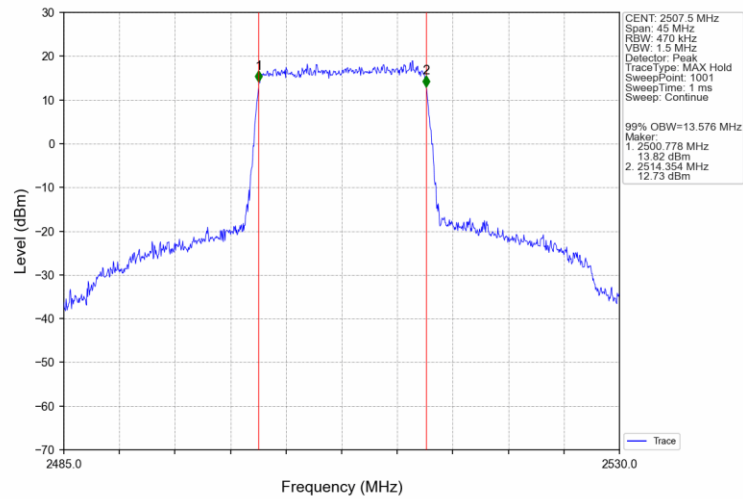
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



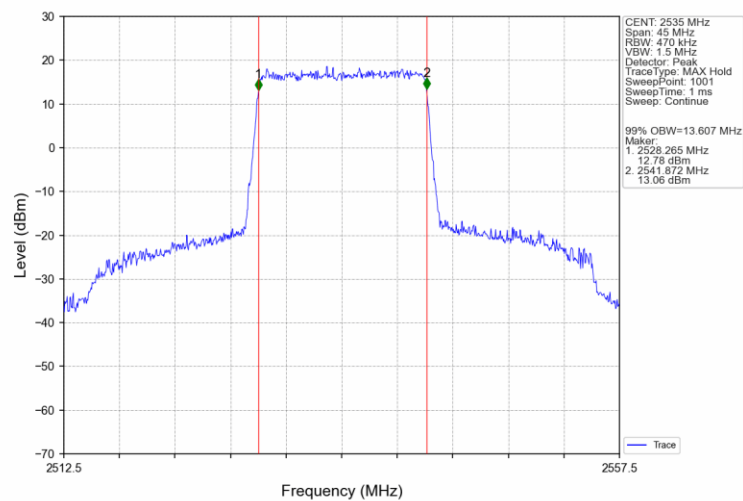
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



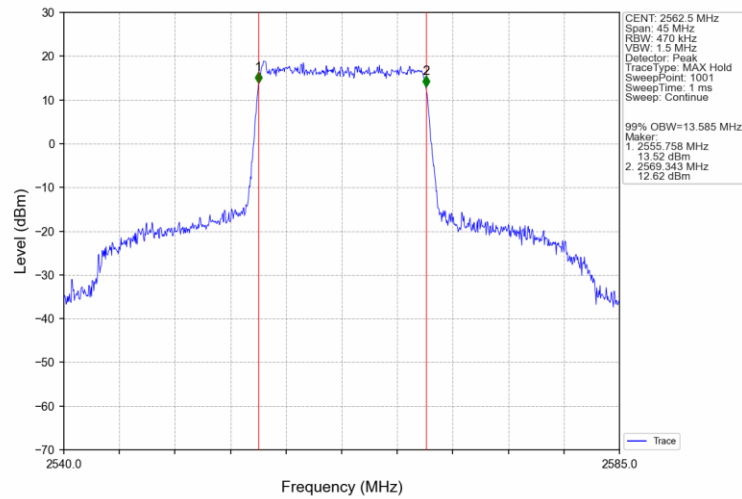
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



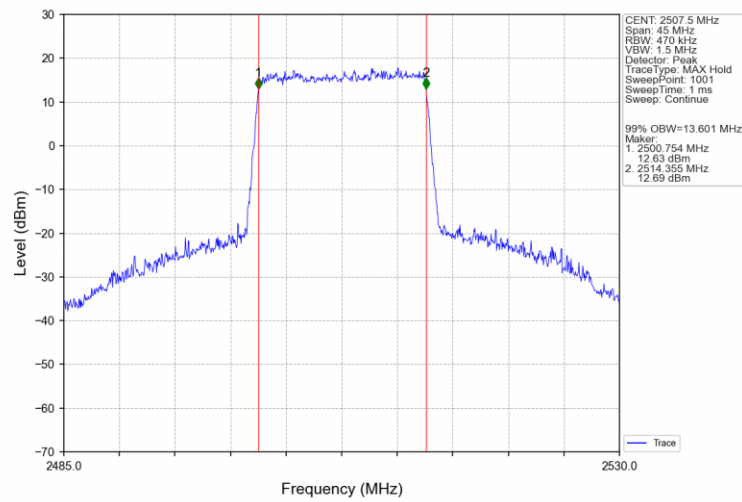
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



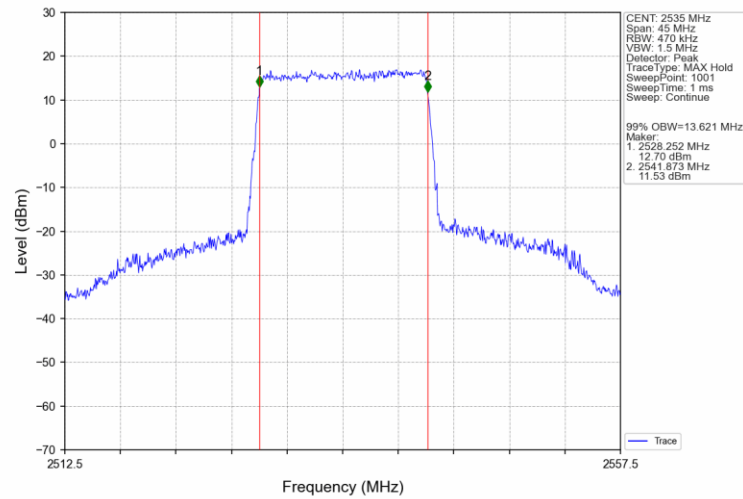
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



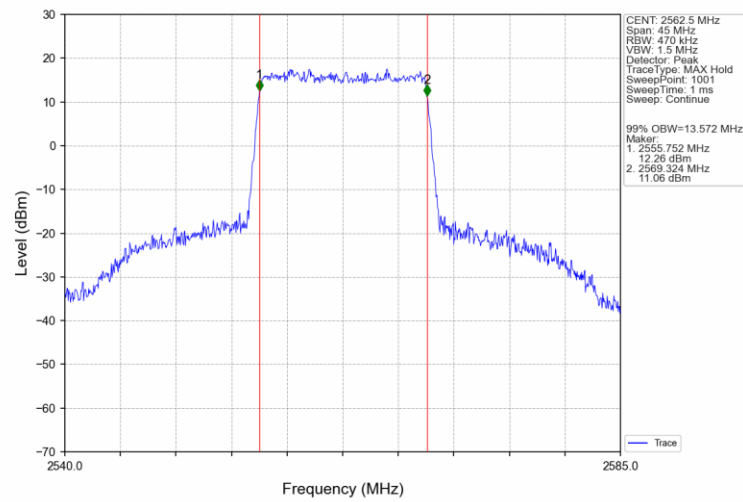
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



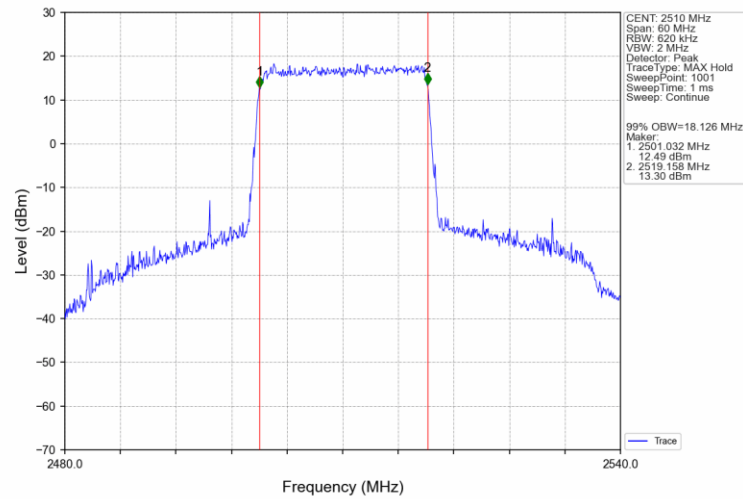
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



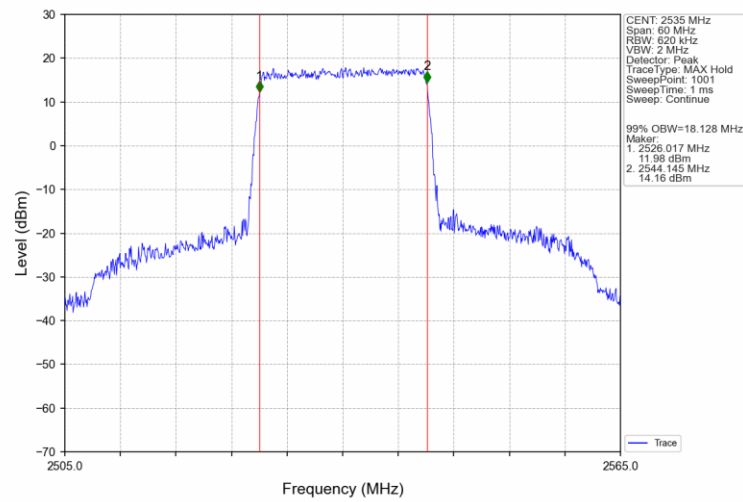
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



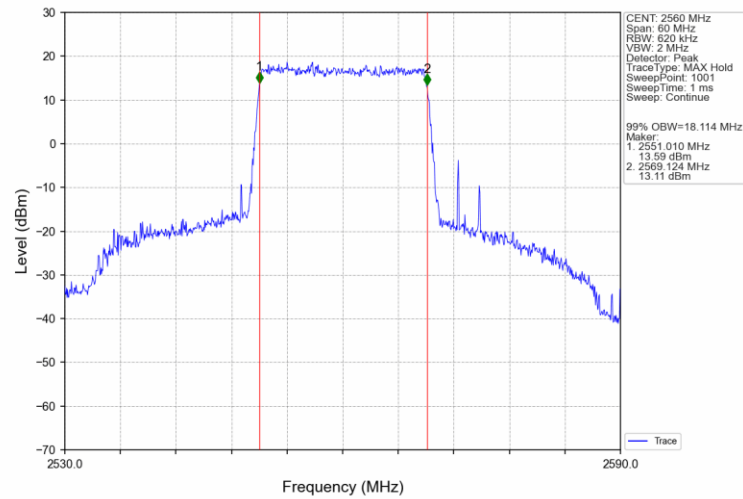
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



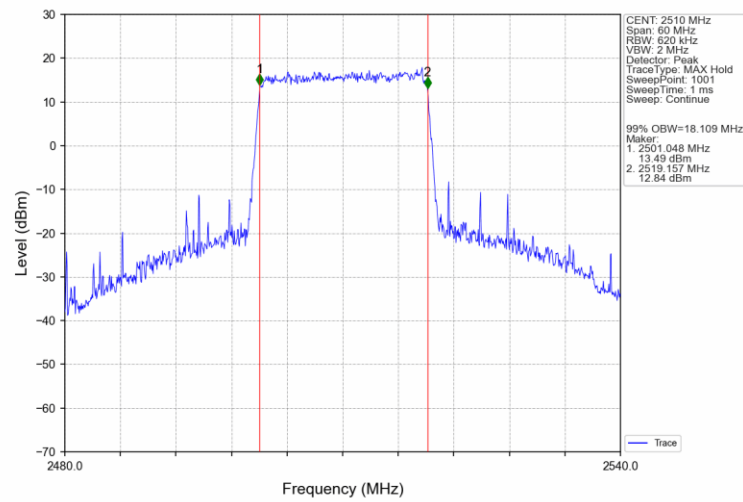
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



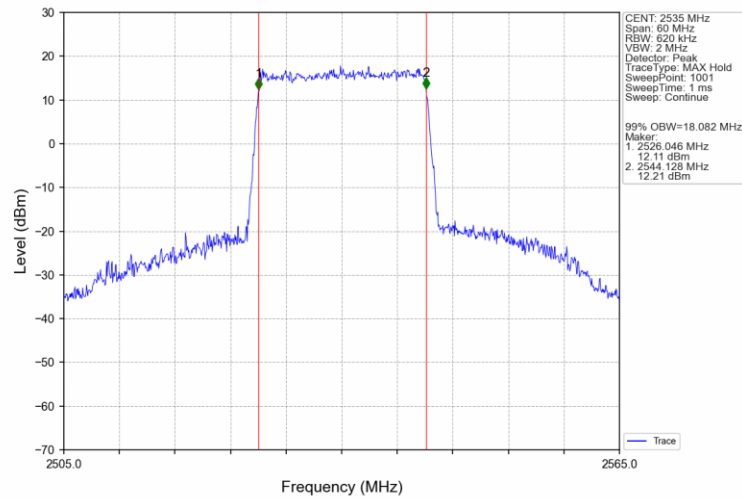
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



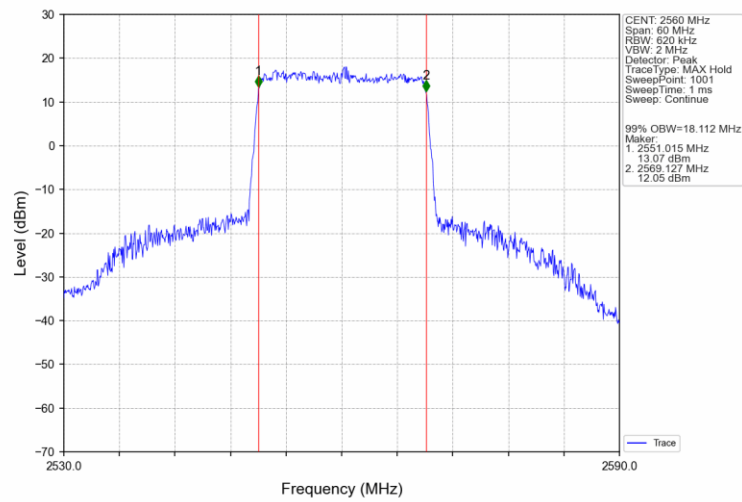
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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

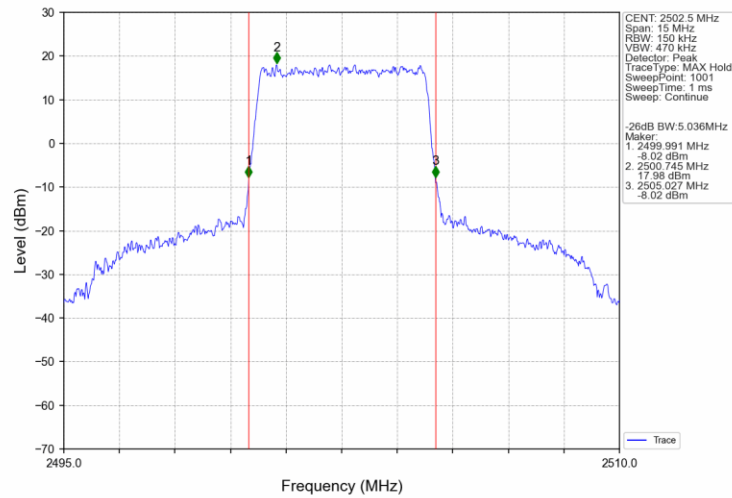


Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV

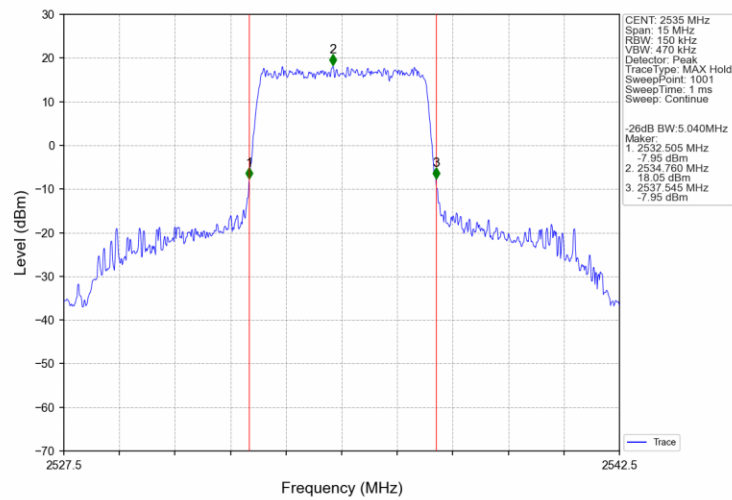


4.2.2 Band7_XDB

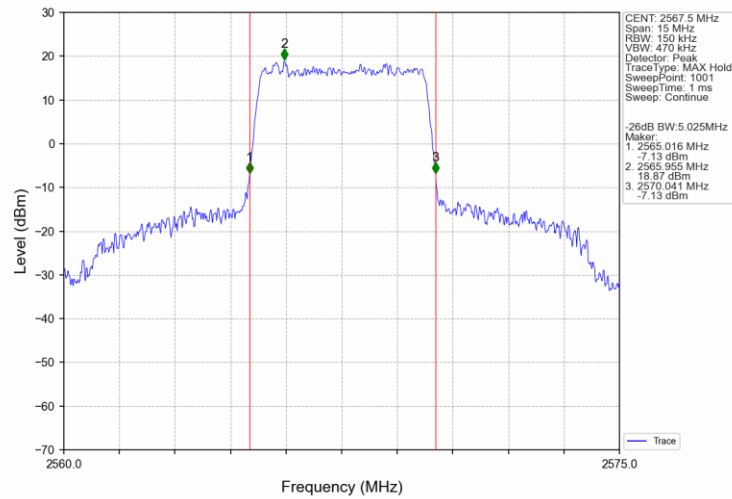
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV



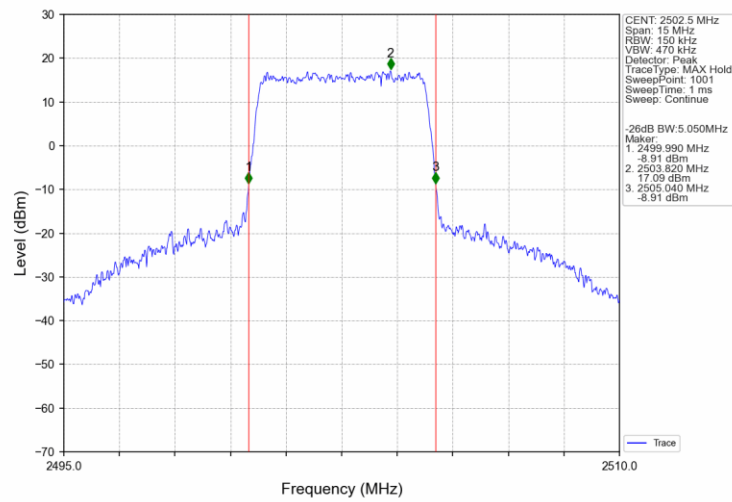
Band7 5MHz QPSK MCH 2535MHz RB 25 0 NTNV



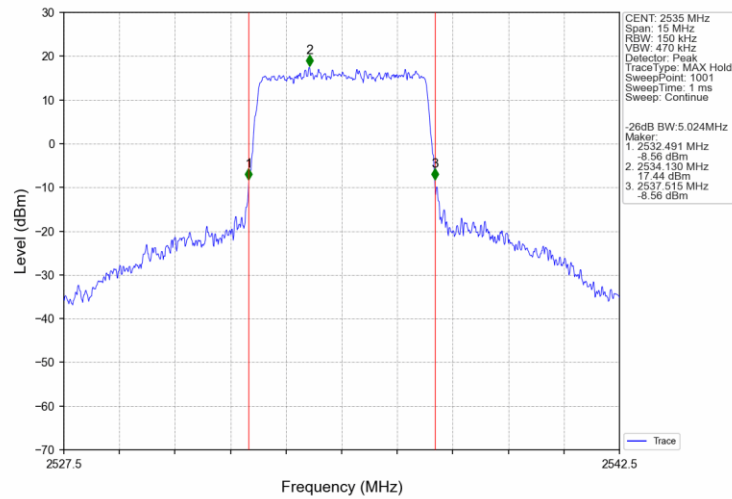
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



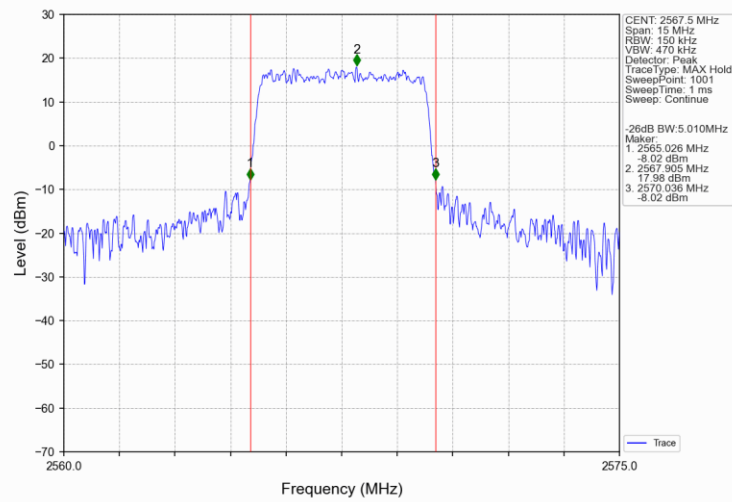
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



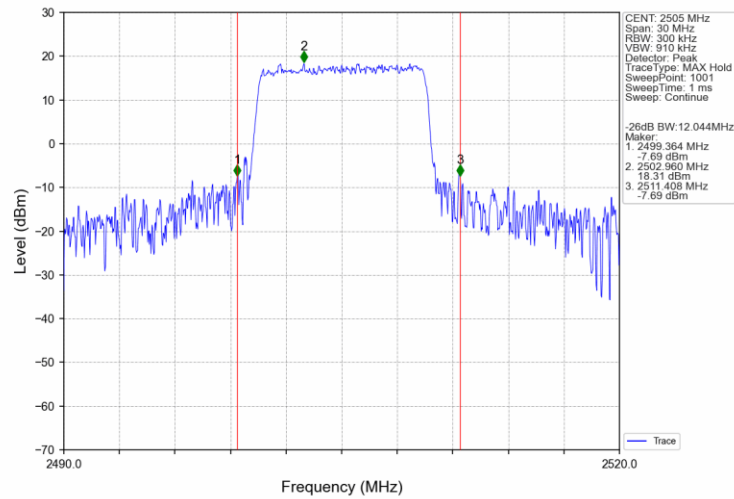
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



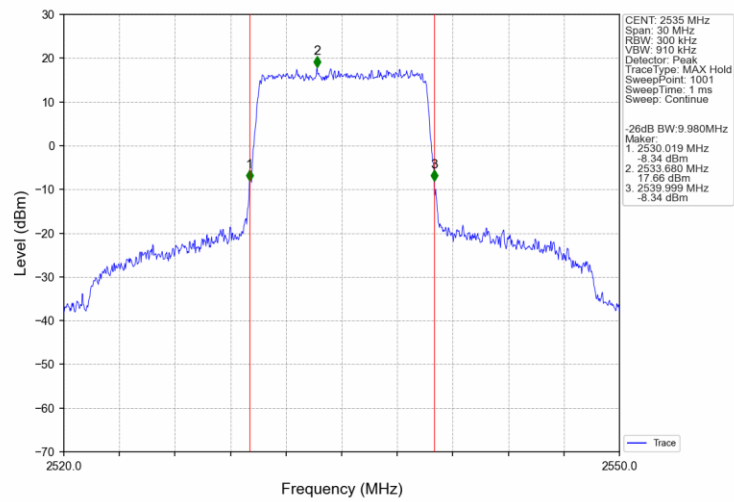
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



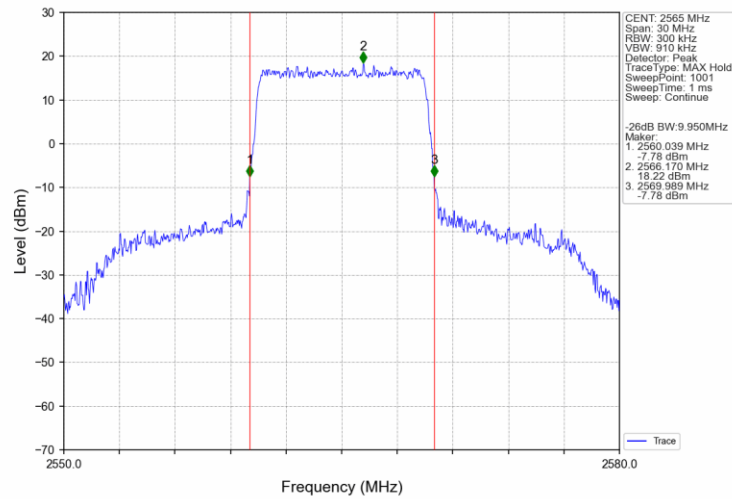
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



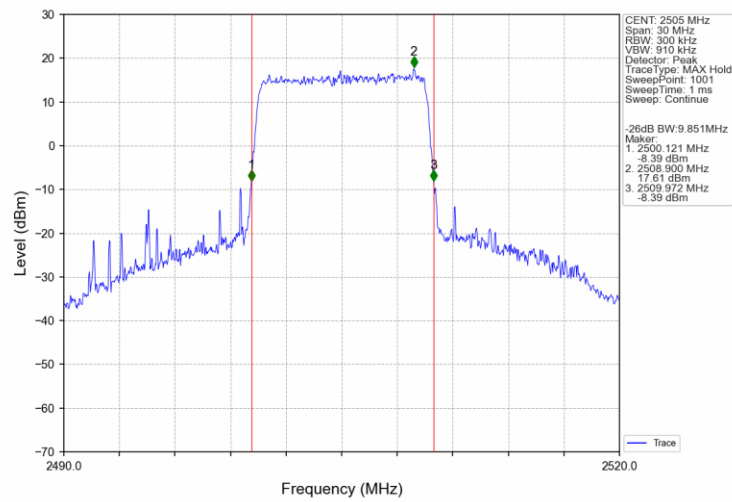
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



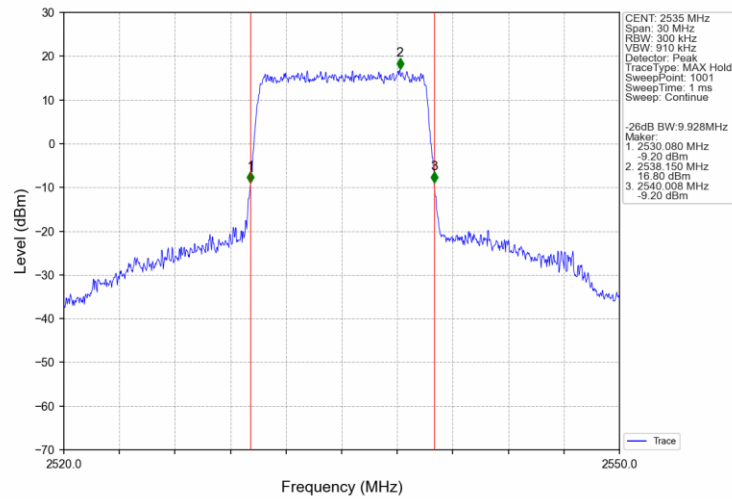
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



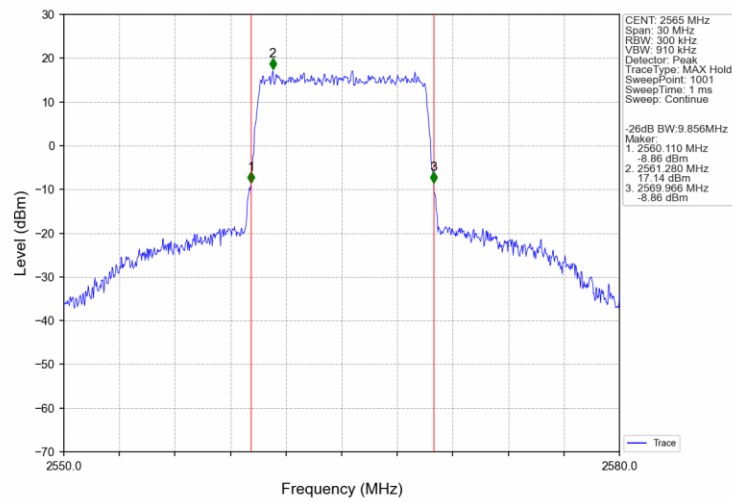
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



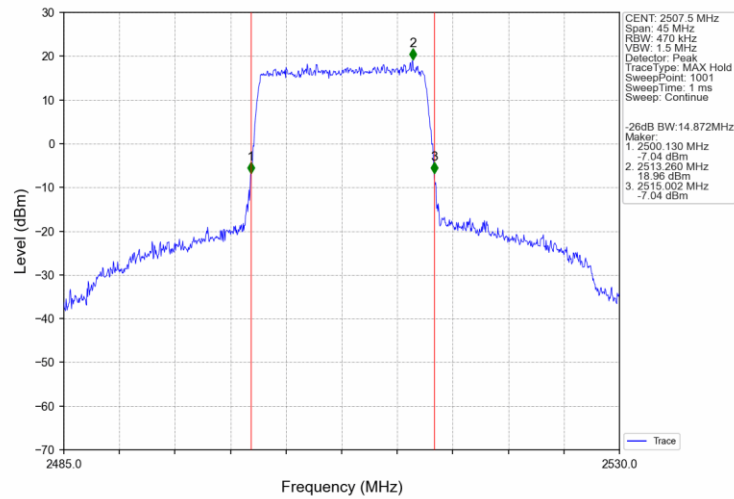
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



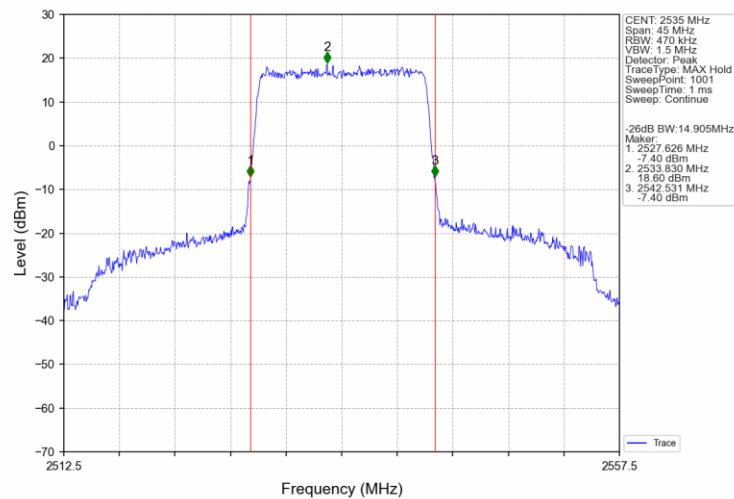
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



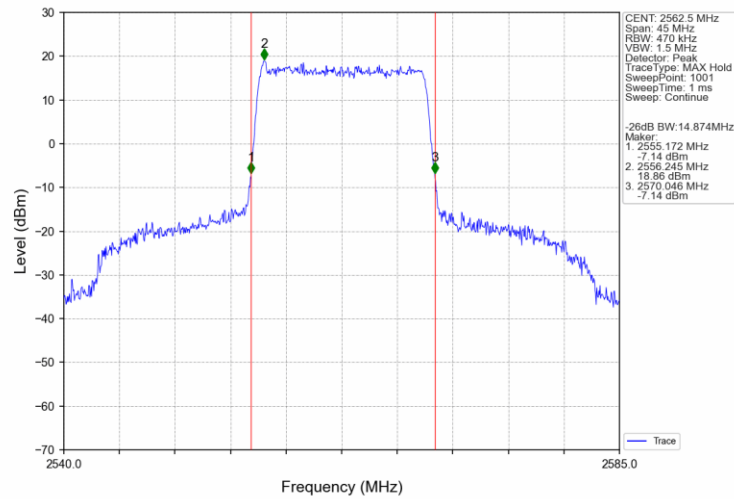
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



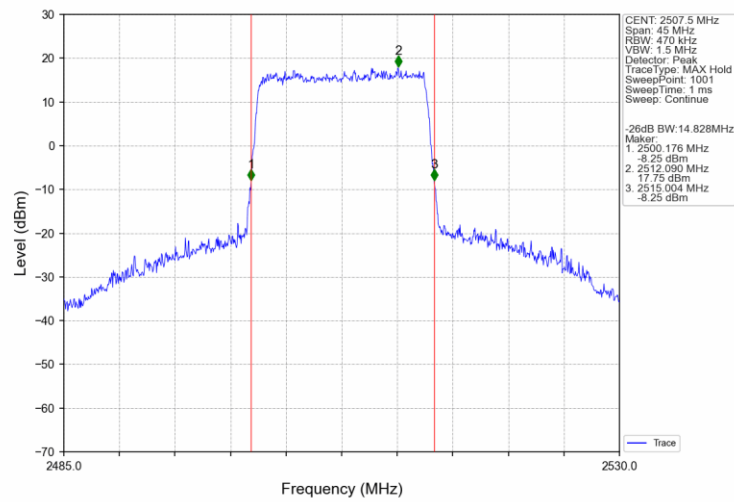
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



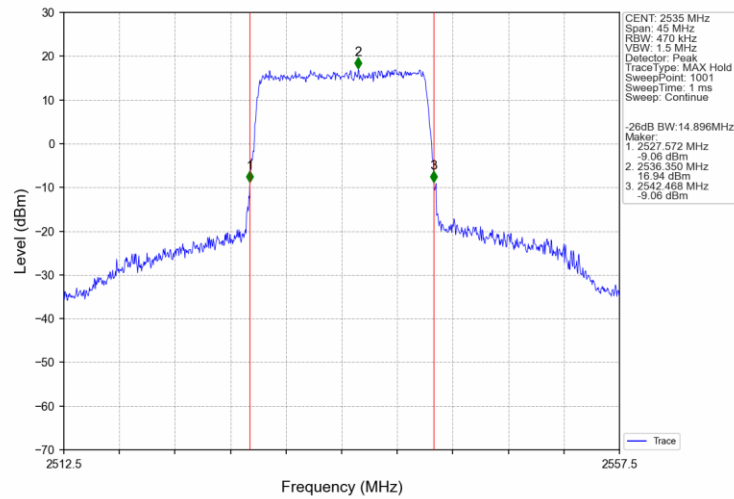
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTN



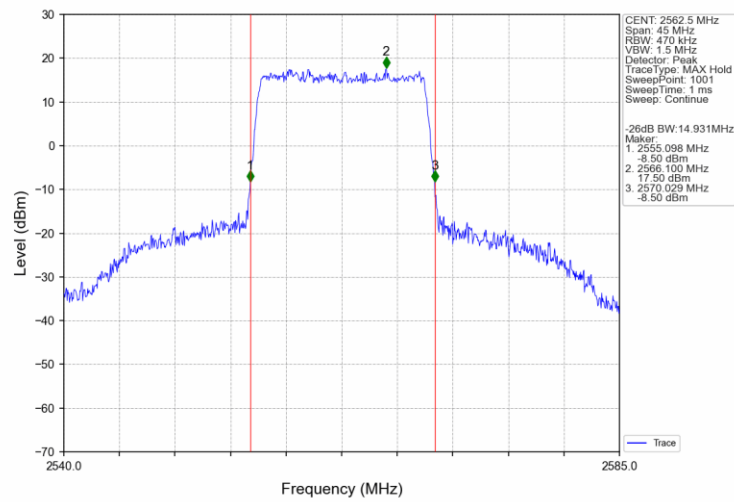
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTN



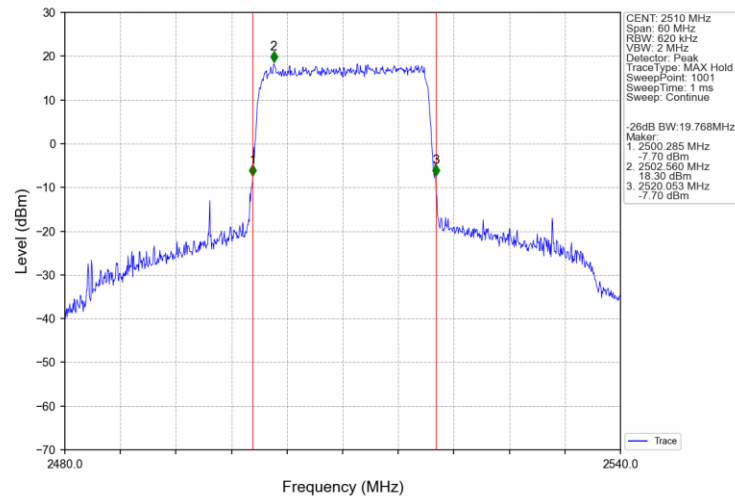
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



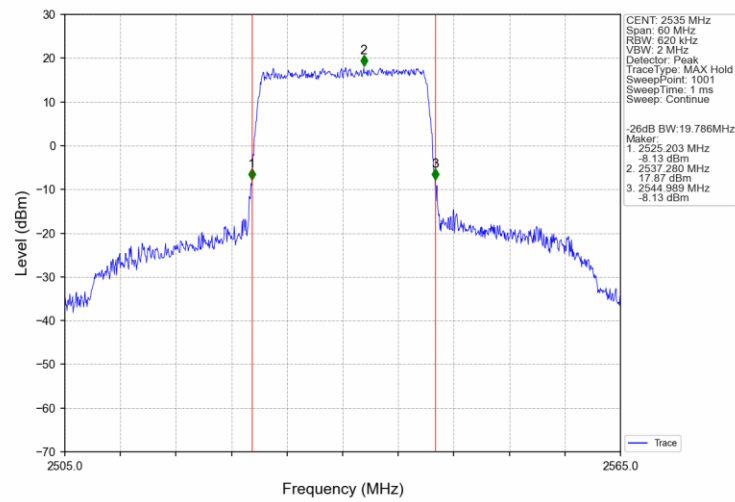
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



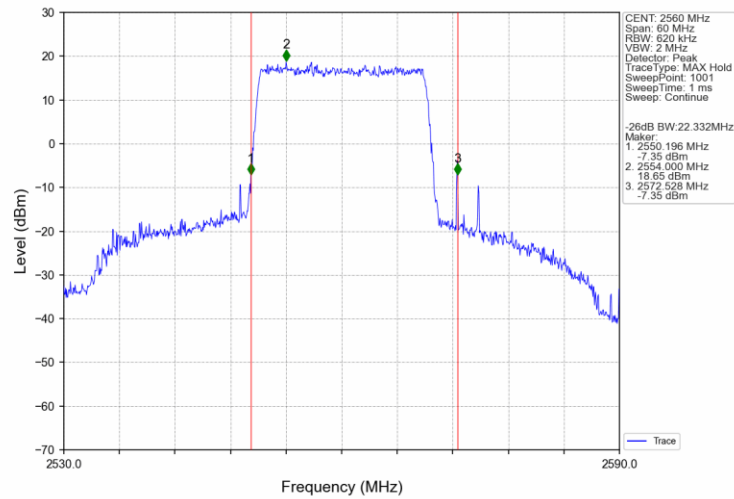
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV



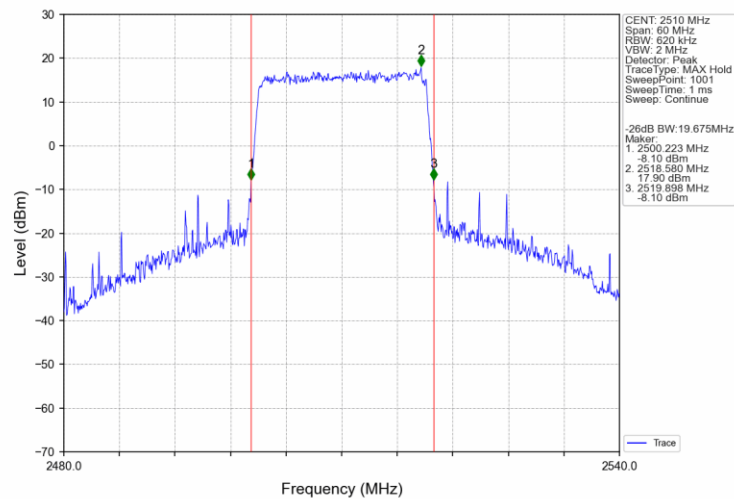
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTV



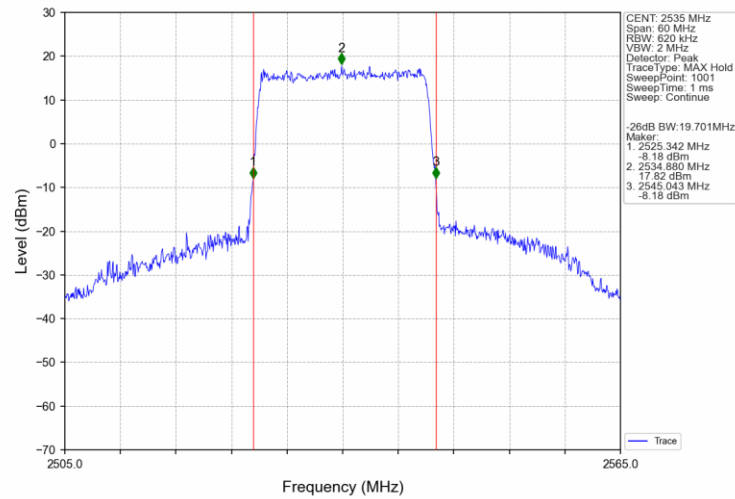
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



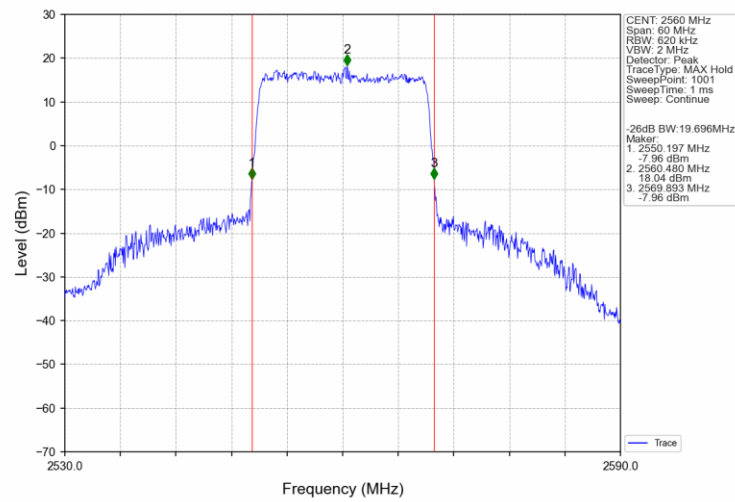
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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	5.40	<=13	Pass
	2535	25	0	5.31	<=13	Pass
	2567.5	25	0	5.18	<=13	Pass
16QAM	2502.5	25	0	6.04	<=13	Pass
	2535	25	0	6.01	<=13	Pass
	2567.5	25	0	5.88	<=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	5.38	<=13	Pass
	2535	50	0	5.37	<=13	Pass
	2565	50	0	5.25	<=13	Pass
16QAM	2505	50	0	6.12	<=13	Pass
	2535	50	0	6.03	<=13	Pass
	2565	50	0	6.00	<=13	Pass

5.1.3 B7_15MHz

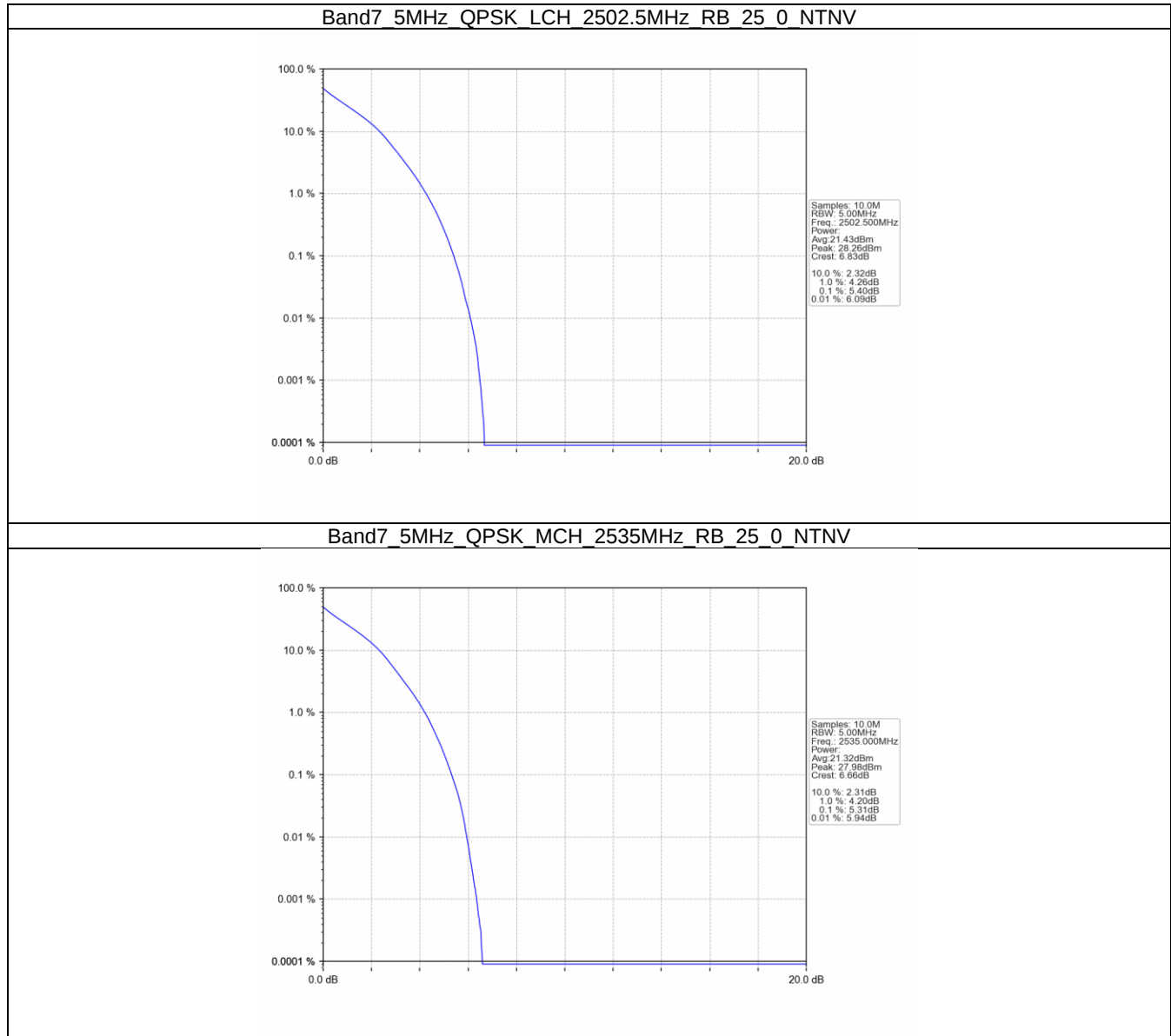
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.09	<=13	Pass
	2535	75	0	5.11	<=13	Pass
	2562.5	75	0	5.07	<=13	Pass
16QAM	2507.5	75	0	6.11	<=13	Pass
	2535	75	0	6.05	<=13	Pass
	2562.5	75	0	6.03	<=13	Pass

5.1.4 B7_20MHz

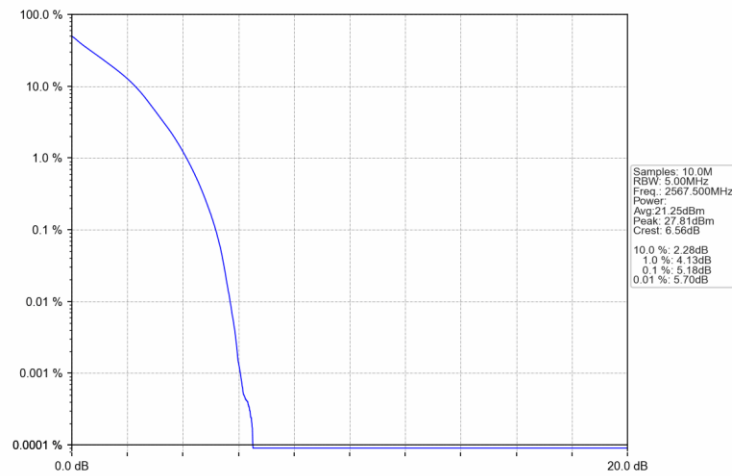
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.67	<=13	Pass
	2535	100	0	5.61	<=13	Pass
	2560	100	0	5.66	<=13	Pass
16QAM	2510	100	0	6.54	<=13	Pass
	2535	100	0	6.55	<=13	Pass
	2560	100	0	6.52	<=13	Pass

5.2 Test Graph

5.2.1 B7_5MHz



Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



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

