

Appendix Test Data for LTE_band_7



1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7 5MHz EIRP

Band: 7 / Bandwidth: 5MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2502.5	1	0	24.06	1.12	25.18	<=33.01	Pass		
			13	24.06	1.12	25.18	<=33.01	Pass		
			24	24.06	1.12	25.18	<=33.01	Pass		
		12	0	23.56	1.12	24.68	<=33.01	Pass		
			6	23.54	1.12	24.66	<=33.01	Pass		
			13	23.52	1.12	24.64	<=33.01	Pass		
		25	0	23.54	1.12	24.66	<=33.01	Pass		
		2535	1	0	23.83	1.12	24.95	<=33.01	Pass	
				13	23.85	1.12	24.97	<=33.01	Pass	
	24			23.83	1.12	24.95	<=33.01	Pass		
	12		0	23.42	1.12	24.54	<=33.01	Pass		
			6	23.40	1.12	24.52	<=33.01	Pass		
			13	23.35	1.12	24.47	<=33.01	Pass		
	25	0	23.37	1.12	24.49	<=33.01	Pass			
	2567.5	1	0	24.04	1.12	25.16	<=33.01	Pass		
			13	24.12	1.12	25.24	<=33.01	Pass		
			24	24.13	1.12	25.25	<=33.01	Pass		
		12	0	23.38	1.12	24.50	<=33.01	Pass		
			6	23.35	1.12	24.47	<=33.01	Pass		
			13	23.32	1.12	24.44	<=33.01	Pass		
		25	0	23.43	1.12	24.55	<=33.01	Pass		
		16QAM	2502.5	1	0	23.13	1.12	24.25	<=33.01	Pass
					13	23.14	1.12	24.26	<=33.01	Pass
	24				23.12	1.12	24.24	<=33.01	Pass	
12	0			22.52	1.12	23.64	<=33.01	Pass		
	6			22.52	1.12	23.64	<=33.01	Pass		
	13			22.49	1.12	23.61	<=33.01	Pass		
25	0			22.59	1.12	23.71	<=33.01	Pass		
2535	1			0	23.11	1.12	24.23	<=33.01	Pass	
				13	23.12	1.12	24.24	<=33.01	Pass	
			24	23.10	1.12	24.22	<=33.01	Pass		
	12		0	22.43	1.12	23.55	<=33.01	Pass		
			6	22.41	1.12	23.53	<=33.01	Pass		
			13	22.38	1.12	23.50	<=33.01	Pass		
25	0		22.38	1.12	23.50	<=33.01	Pass			
2567.5	1		0	22.73	1.12	23.85	<=33.01	Pass		
			13	22.81	1.12	23.93	<=33.01	Pass		
			24	22.83	1.12	23.95	<=33.01	Pass		
	12		0	22.46	1.12	23.58	<=33.01	Pass		
			6	22.42	1.12	23.54	<=33.01	Pass		
			13	22.40	1.12	23.52	<=33.01	Pass		
	25		0	22.44	1.12	23.56	<=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	23.97	1.12	25.09	<=33.01	Pass
			25	24.03	1.12	25.15	<=33.01	Pass
			49	23.97	1.12	25.09	<=33.01	Pass
		25	0	23.49	1.12	24.61	<=33.01	Pass
			13	23.53	1.12	24.65	<=33.01	Pass
			25	23.60	1.12	24.72	<=33.01	Pass
		50	0	23.57	1.12	24.69	<=33.01	Pass
	2535	1	0	23.76	1.12	24.88	<=33.01	Pass
			25	23.83	1.12	24.95	<=33.01	Pass
			49	23.78	1.12	24.90	<=33.01	Pass
		25	0	23.38	1.12	24.50	<=33.01	Pass
			13	23.36	1.12	24.48	<=33.01	Pass
			25	23.38	1.12	24.50	<=33.01	Pass
		50	0	23.42	1.12	24.54	<=33.01	Pass
	2565	1	0	23.80	1.12	24.92	<=33.01	Pass
			25	23.92	1.12	25.04	<=33.01	Pass
			49	23.94	1.12	25.06	<=33.01	Pass
		25	0	23.41	1.12	24.53	<=33.01	Pass
			13	23.39	1.12	24.51	<=33.01	Pass
			25	23.36	1.12	24.48	<=33.01	Pass
		50	0	23.38	1.12	24.50	<=33.01	Pass
16QAM	2505	1	0	23.01	1.12	24.13	<=33.01	Pass
			25	23.05	1.12	24.17	<=33.01	Pass
			49	22.98	1.12	24.10	<=33.01	Pass
		25	0	22.61	1.12	23.73	<=33.01	Pass
			13	22.61	1.12	23.73	<=33.01	Pass
			25	22.67	1.12	23.79	<=33.01	Pass
		50	0	22.58	1.12	23.70	<=33.01	Pass
	2535	1	0	22.99	1.12	24.11	<=33.01	Pass
			25	23.04	1.12	24.16	<=33.01	Pass
			49	22.98	1.12	24.10	<=33.01	Pass
		25	0	22.44	1.12	23.56	<=33.01	Pass
			13	22.38	1.12	23.50	<=33.01	Pass
			25	22.41	1.12	23.53	<=33.01	Pass
		50	0	22.40	1.12	23.52	<=33.01	Pass
	2565	1	0	23.19	1.12	24.31	<=33.01	Pass
			25	23.31	1.12	24.43	<=33.01	Pass
			49	23.29	1.12	24.41	<=33.01	Pass
		25	0	22.45	1.12	23.57	<=33.01	Pass
			13	22.45	1.12	23.57	<=33.01	Pass
			25	22.39	1.12	23.51	<=33.01	Pass
		50	0	22.37	1.12	23.49	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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	23.83	1.12	24.95	<=33.01	Pass		
			38	23.92	1.12	25.04	<=33.01	Pass		
			74	23.79	1.12	24.91	<=33.01	Pass		
		36	0	23.44	1.12	24.56	<=33.01	Pass		
			18	23.45	1.12	24.57	<=33.01	Pass		
			39	23.46	1.12	24.58	<=33.01	Pass		
		75	0	23.45	1.12	24.57	<=33.01	Pass		
		2535	1	0	23.75	1.12	24.87	<=33.01	Pass	
				38	23.82	1.12	24.94	<=33.01	Pass	
	74			23.74	1.12	24.86	<=33.01	Pass		
	36		0	23.36	1.12	24.48	<=33.01	Pass		
			18	23.31	1.12	24.43	<=33.01	Pass		
			39	23.32	1.12	24.44	<=33.01	Pass		
	75		0	23.34	1.12	24.46	<=33.01	Pass		
	2562.5		1	0	23.72	1.12	24.84	<=33.01	Pass	
				38	23.87	1.12	24.99	<=33.01	Pass	
		74		23.91	1.12	25.03	<=33.01	Pass		
		36	0	23.30	1.12	24.42	<=33.01	Pass		
			18	23.30	1.12	24.42	<=33.01	Pass		
			39	23.27	1.12	24.39	<=33.01	Pass		
		75	0	23.34	1.12	24.46	<=33.01	Pass		
		16QAM	2507.5	1	0	23.21	1.12	24.33	<=33.01	Pass
					38	23.33	1.12	24.45	<=33.01	Pass
	74				23.21	1.12	24.33	<=33.01	Pass	
36	0			22.44	1.12	23.56	<=33.01	Pass		
	18			22.44	1.12	23.56	<=33.01	Pass		
	39			22.45	1.12	23.57	<=33.01	Pass		
75	0			22.43	1.12	23.55	<=33.01	Pass		
2535	1			0	22.96	1.12	24.08	<=33.01	Pass	
				38	23.02	1.12	24.14	<=33.01	Pass	
			74	22.94	1.12	24.06	<=33.01	Pass		
	36		0	22.41	1.12	23.53	<=33.01	Pass		
			18	22.35	1.12	23.47	<=33.01	Pass		
			39	22.34	1.12	23.46	<=33.01	Pass		
	75		0	22.36	1.12	23.48	<=33.01	Pass		
	2562.5		1	0	23.16	1.12	24.28	<=33.01	Pass	
				38	23.29	1.12	24.41	<=33.01	Pass	
74				23.27	1.12	24.39	<=33.01	Pass		
36			0	22.38	1.12	23.50	<=33.01	Pass		
			18	22.38	1.12	23.50	<=33.01	Pass		
			39	22.35	1.12	23.47	<=33.01	Pass		
75			0	22.34	1.12	23.46	<=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	23.80	1.12	24.92	<=33.01	Pass
			50	23.93	1.12	25.05	<=33.01	Pass
			99	23.80	1.12	24.92	<=33.01	Pass
		50	0	23.44	1.12	24.56	<=33.01	Pass
			25	23.45	1.12	24.57	<=33.01	Pass
			50	23.47	1.12	24.59	<=33.01	Pass
		100	0	23.45	1.12	24.57	<=33.01	Pass
	2535	1	0	23.63	1.12	24.75	<=33.01	Pass
			50	23.85	1.12	24.97	<=33.01	Pass
			99	23.72	1.12	24.84	<=33.01	Pass
		50	0	23.42	1.12	24.54	<=33.01	Pass
			25	23.43	1.12	24.55	<=33.01	Pass
			50	23.35	1.12	24.47	<=33.01	Pass
		100	0	23.38	1.12	24.50	<=33.01	Pass
	2560	1	0	23.56	1.12	24.68	<=33.01	Pass
			50	23.77	1.12	24.89	<=33.01	Pass
			99	23.74	1.12	24.86	<=33.01	Pass
		50	0	23.34	1.12	24.46	<=33.01	Pass
			25	23.36	1.12	24.48	<=33.01	Pass
			50	23.26	1.12	24.38	<=33.01	Pass
		100	0	23.32	1.12	24.44	<=33.01	Pass
16QAM	2510	1	0	23.43	1.12	24.55	<=33.01	Pass
			50	23.55	1.12	24.67	<=33.01	Pass
			99	23.48	1.12	24.60	<=33.01	Pass
		50	0	22.40	1.12	23.52	<=33.01	Pass
			25	22.42	1.12	23.54	<=33.01	Pass
			50	22.43	1.12	23.55	<=33.01	Pass
		100	0	22.42	1.12	23.54	<=33.01	Pass
	2535	1	0	22.89	1.12	24.01	<=33.01	Pass
			50	23.08	1.12	24.20	<=33.01	Pass
			99	22.94	1.12	24.06	<=33.01	Pass
		50	0	22.39	1.12	23.51	<=33.01	Pass
			25	22.42	1.12	23.54	<=33.01	Pass
			50	22.32	1.12	23.44	<=33.01	Pass
		100	0	22.32	1.12	23.44	<=33.01	Pass
	2560	1	0	22.84	1.12	23.96	<=33.01	Pass
			50	23.02	1.12	24.14	<=33.01	Pass
			99	22.97	1.12	24.09	<=33.01	Pass
		50	0	22.31	1.12	23.43	<=33.01	Pass
			25	22.35	1.12	23.47	<=33.01	Pass
			50	22.27	1.12	23.39	<=33.01	Pass
		100	0	22.30	1.12	23.42	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	-4.592	-0.0018	-2.5 to 2.5	Pass
					3.85	-7.396	-0.0030	-2.5 to 2.5	Pass
					4.43	-13.990	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	4.163	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-11.544	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-8.583	-0.0034	-2.5 to 2.5	Pass
				0	3.85	9.971	0.0040	-2.5 to 2.5	Pass
				10	3.85	4.334	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.689	0.0011	-2.5 to 2.5	Pass
				40	3.85	-12.174	-0.0049	-2.5 to 2.5	Pass
				50	3.85	9.270	0.0037	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	7.095	0.0028	-2.5 to 2.5	Pass
					3.85	2.460	0.0010	-2.5 to 2.5	Pass
					4.43	0.572	0.0002	-2.5 to 2.5	Pass
				-30	3.85	16.608	0.0066	-2.5 to 2.5	Pass
				-20	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0020	-2.5 to 2.5	Pass
				0	3.85	4.706	0.0019	-2.5 to 2.5	Pass
				10	3.85	11.301	0.0045	-2.5 to 2.5	Pass
				30	3.85	-8.025	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-17.552	-0.0069	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	5.150	0.0020	-2.5 to 2.5	Pass
					3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.545	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0008	-2.5 to 2.5	Pass
				-20	3.85	7.110	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-16.608	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
				30	3.85	2.103	0.0008	-2.5 to 2.5	Pass
				40	3.85	4.621	0.0018	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	11.201	0.0045	-2.5 to 2.5	Pass
					3.85	-7.339	-0.0029	-2.5 to 2.5	Pass
					4.43	18.325	0.0073	-2.5 to 2.5	Pass
				-30	3.85	5.279	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-9.470	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	2.131	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	11.401	0.0046	-2.5 to 2.5	Pass
				30	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0012	-2.5 to 2.5	Pass
				50	3.85	4.220	0.0017	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-15.507	-0.0061	-2.5 to 2.5	Pass
					3.85	-11.644	-0.0046	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-5.894	-0.0023	-2.5 to 2.5	Pass

				-10	3.85	-1.159	-0.0005	-2.5 to 2.5	Pass
				0	3.85	11.773	0.0046	-2.5 to 2.5	Pass
				10	3.85	-11.516	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-5.522	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-13.433	-0.0053	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-1.516	-0.0006	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-10.228	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-4.778	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
				30	3.85	16.522	0.0064	-2.5 to 2.5	Pass
				40	3.85	6.666	0.0026	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0006	-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	5.264	0.0021	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0009	-2.5 to 2.5	Pass
					4.43	0.801	0.0003	-2.5 to 2.5	Pass
				-30	3.85	4.306	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-9.112	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
				10	3.85	3.648	0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.419	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-7.911	-0.0032	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-4.020	-0.0016	-2.5 to 2.5	Pass
					3.85	2.360	0.0009	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				10	3.85	5.636	0.0022	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.903	-0.0008	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-3.834	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	-7.668	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.131	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.103	0.0008	-2.5 to 2.5	Pass
				0	3.85	6.466	0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-4.163	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	2.103	0.0008	-2.5 to 2.5	Pass
					3.85	2.575	0.0010	-2.5 to 2.5	Pass

					4.43	-3.533	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.363	-0.0017	-2.5 to 2.5	Pass
				50	3.85	5.279	0.0021	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-3.290	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.502	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	3.505	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.964	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.166	-0.0024	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0008	-2.5 to 2.5	Pass
				10	3.85	3.405	0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
	2565	50	0	50	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
				20	3.27	0.772	0.0003	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.717	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.189	0.0009	-2.5 to 2.5	Pass
				-10	3.85	7.954	0.0031	-2.5 to 2.5	Pass
				0	3.85	4.334	0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				30	3.85	2.203	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.874	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.559	0.0006	-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	0.701	0.0003	-2.5 to 2.5	Pass
					3.85	2.832	0.0011	-2.5 to 2.5	Pass
					4.43	3.276	0.0013	-2.5 to 2.5	Pass
				-30	3.85	5.608	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-4.163	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.851	-0.0023	-2.5 to 2.5	Pass
	2535	75	0	50	3.85	2.618	0.0010	-2.5 to 2.5	Pass
				20	3.27	2.532	0.0010	-2.5 to 2.5	Pass
					3.85	4.005	0.0016	-2.5 to 2.5	Pass
					4.43	-1.616	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.501	0.0002	-2.5 to 2.5	Pass
				-20	3.85	3.204	0.0013	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0012	-2.5 to 2.5	Pass
				0	3.85	2.246	0.0009	-2.5 to 2.5	Pass
				10	3.85	5.593	0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass

	2562.5	75	0	50	3.85	4.392	0.0017	-2.5 to 2.5	Pass
				20	3.27	1.273	0.0005	-2.5 to 2.5	Pass
					3.85	4.549	0.0018	-2.5 to 2.5	Pass
					4.43	2.661	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.605	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.616	0.0006	-2.5 to 2.5	Pass
				0	3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.289	0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.719	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0000	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-1.259	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
					4.43	4.134	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.044	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0009	-2.5 to 2.5	Pass
				40	3.85	4.177	0.0017	-2.5 to 2.5	Pass
				50	3.85	4.091	0.0016	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	1.016	0.0004	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
					4.43	0.730	0.0003	-2.5 to 2.5	Pass
				-30	3.85	6.909	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.189	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.260	0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.373	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.974	-0.0008	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	3.233	0.0013	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
					4.43	4.392	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-9.770	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.659	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				30	3.85	3.719	0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.276	-0.0013	-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	7.925	0.0032	-2.5 to 2.5	Pass
					3.85	8.726	0.0035	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.947	0.0012	-2.5 to 2.5	Pass
				-20	3.85	4.878	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				0	3.85	5.736	0.0023	-2.5 to 2.5	Pass

				10	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0024	-2.5 to 2.5	Pass
				40	3.85	2.003	0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0018	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-1.860	-0.0007	-2.5 to 2.5	Pass
					3.85	0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-4.206	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-8.883	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0004	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-0.887	-0.0003	-2.5 to 2.5	Pass
					3.85	0.958	0.0004	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	3.276	0.0013	-2.5 to 2.5	Pass
				-20	3.85	3.548	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0007	-2.5 to 2.5	Pass
				0	3.85	5.121	0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0019	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	2.646	0.0011	-2.5 to 2.5	Pass
					3.85	2.432	0.0010	-2.5 to 2.5	Pass
					4.43	4.892	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-5.736	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-0.372	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.519	-0.0014	-2.5 to 2.5	Pass
					4.43	4.749	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-6.194	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.965	-0.0024	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-3.591	-0.0014	-2.5 to 2.5	Pass
					3.85	4.249	0.0017	-2.5 to 2.5	Pass
					4.43	4.892	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0004	-2.5 to 2.5	Pass
				10	3.85	2.575	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				40	3.85	3.862	0.0015	-2.5 to 2.5	Pass
				50	3.85	-5.536	-0.0022	-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

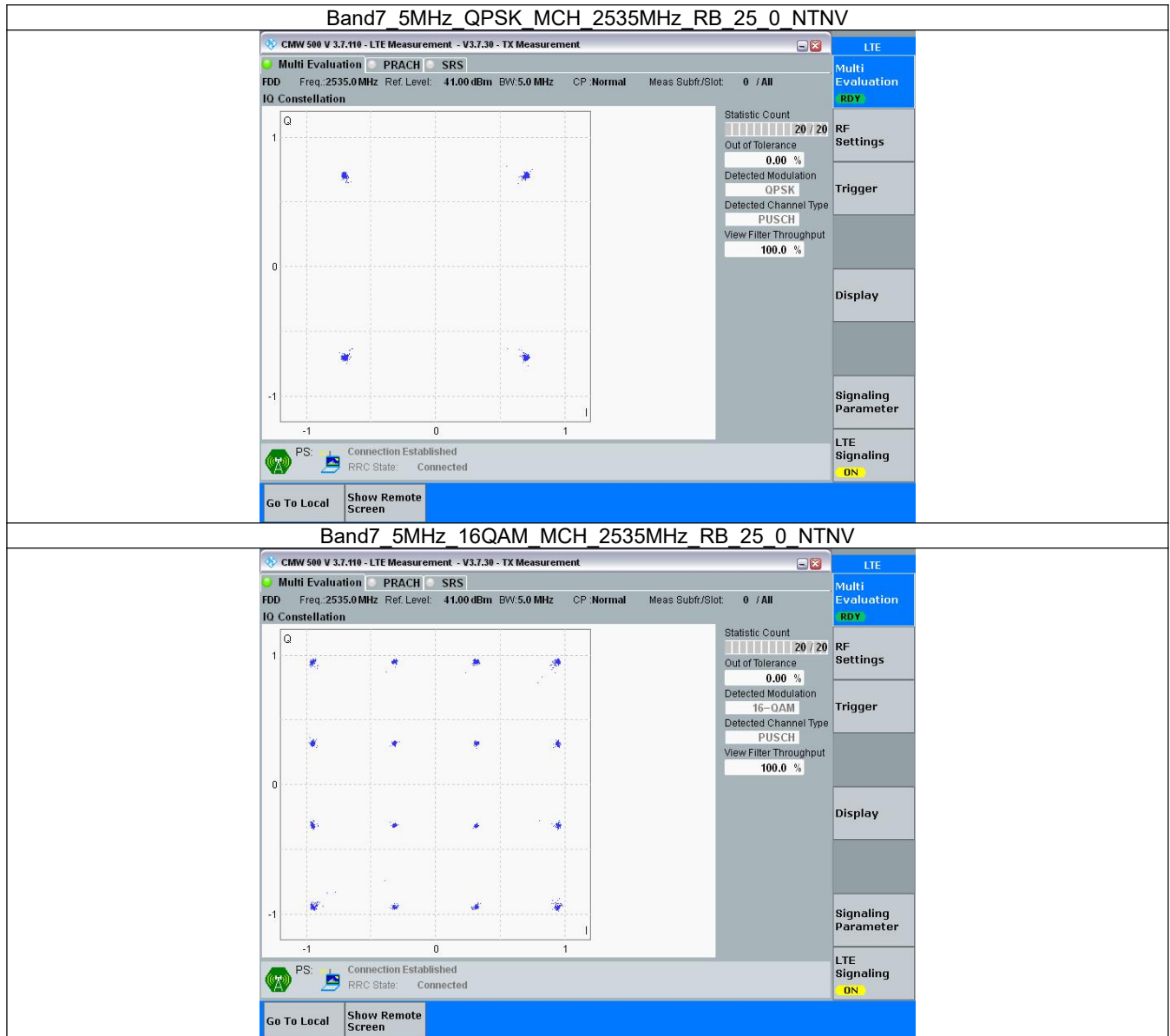
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.1.4 B7_20MHz

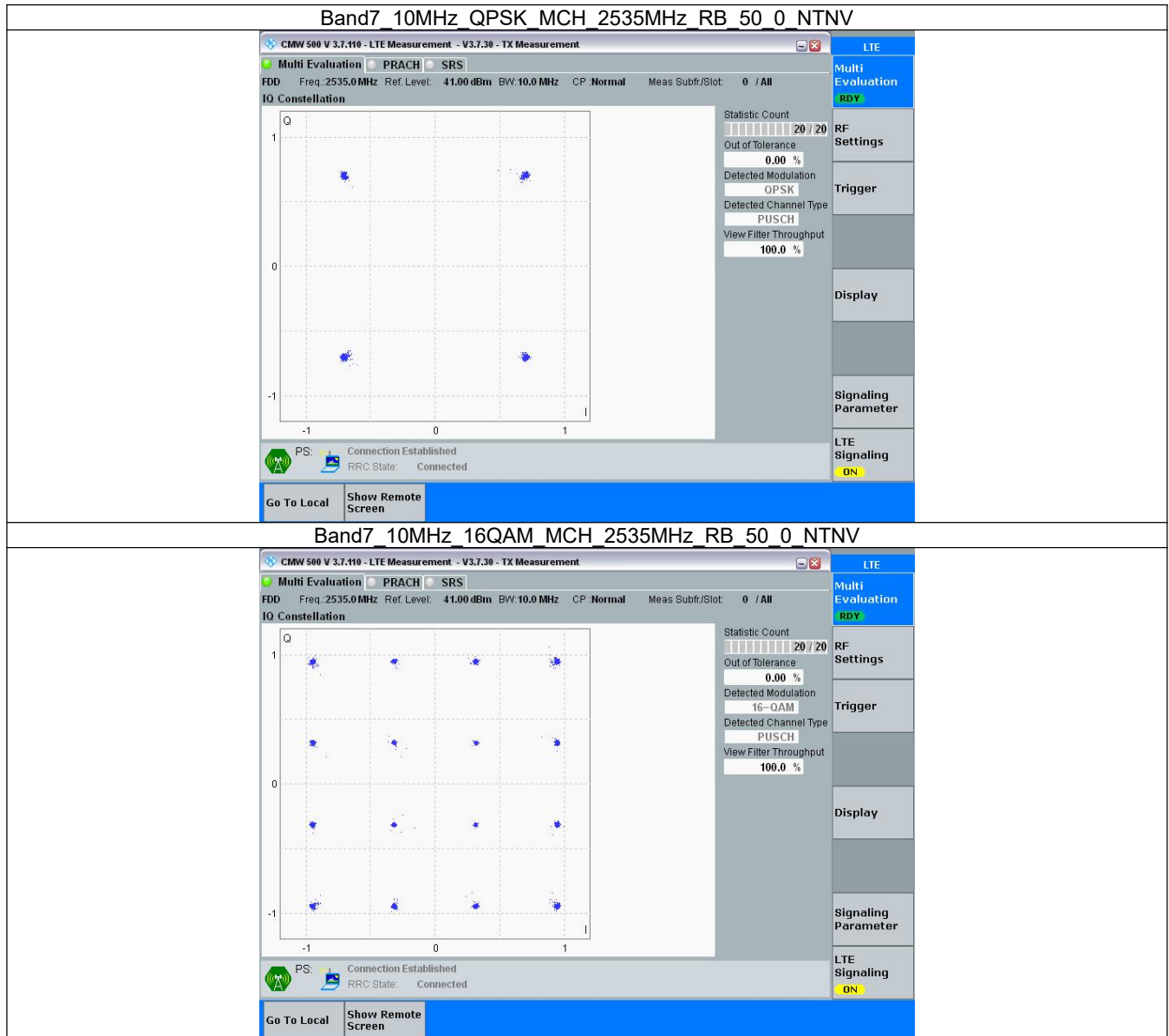
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

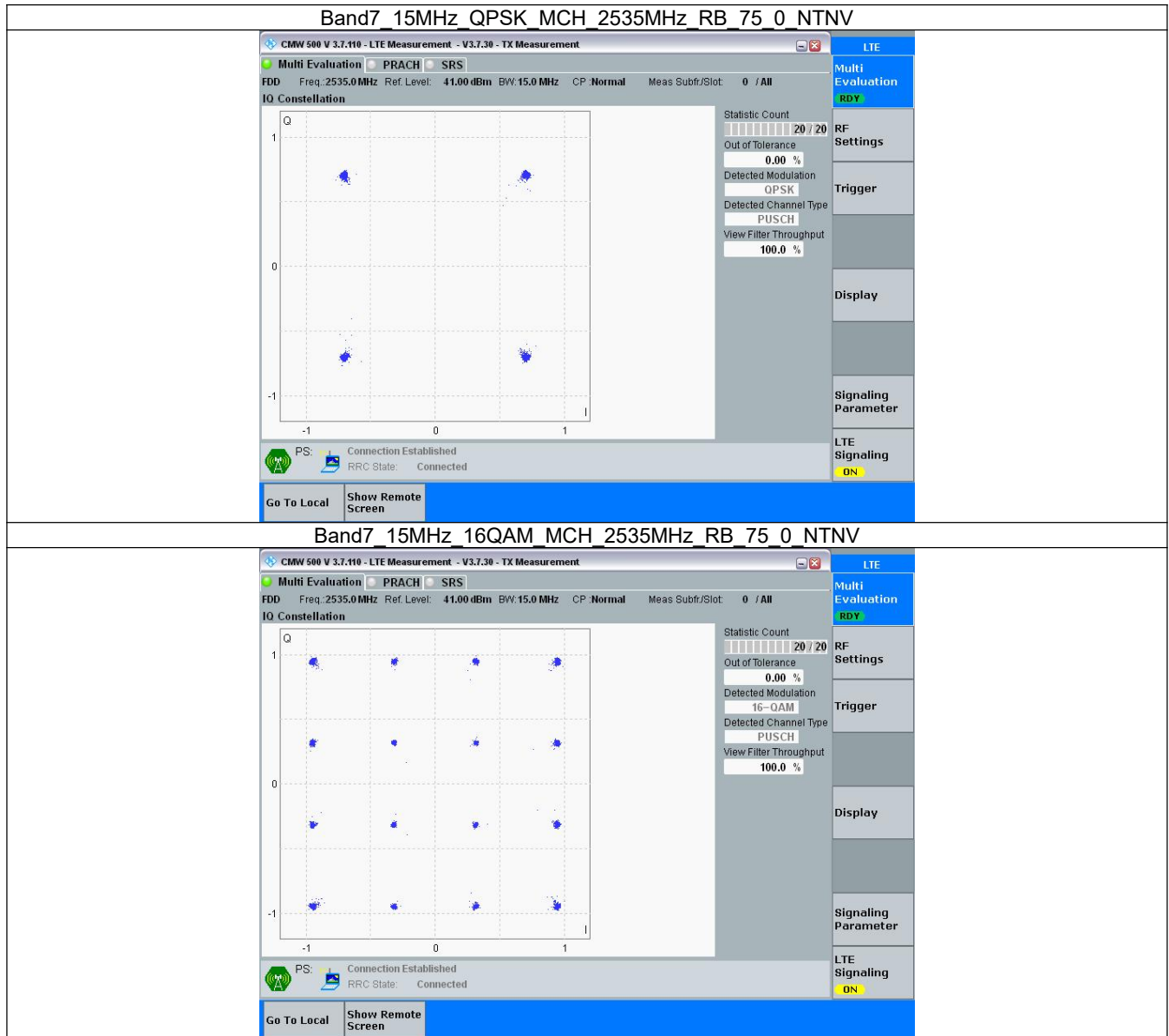
3.2.1 B7_5MHz



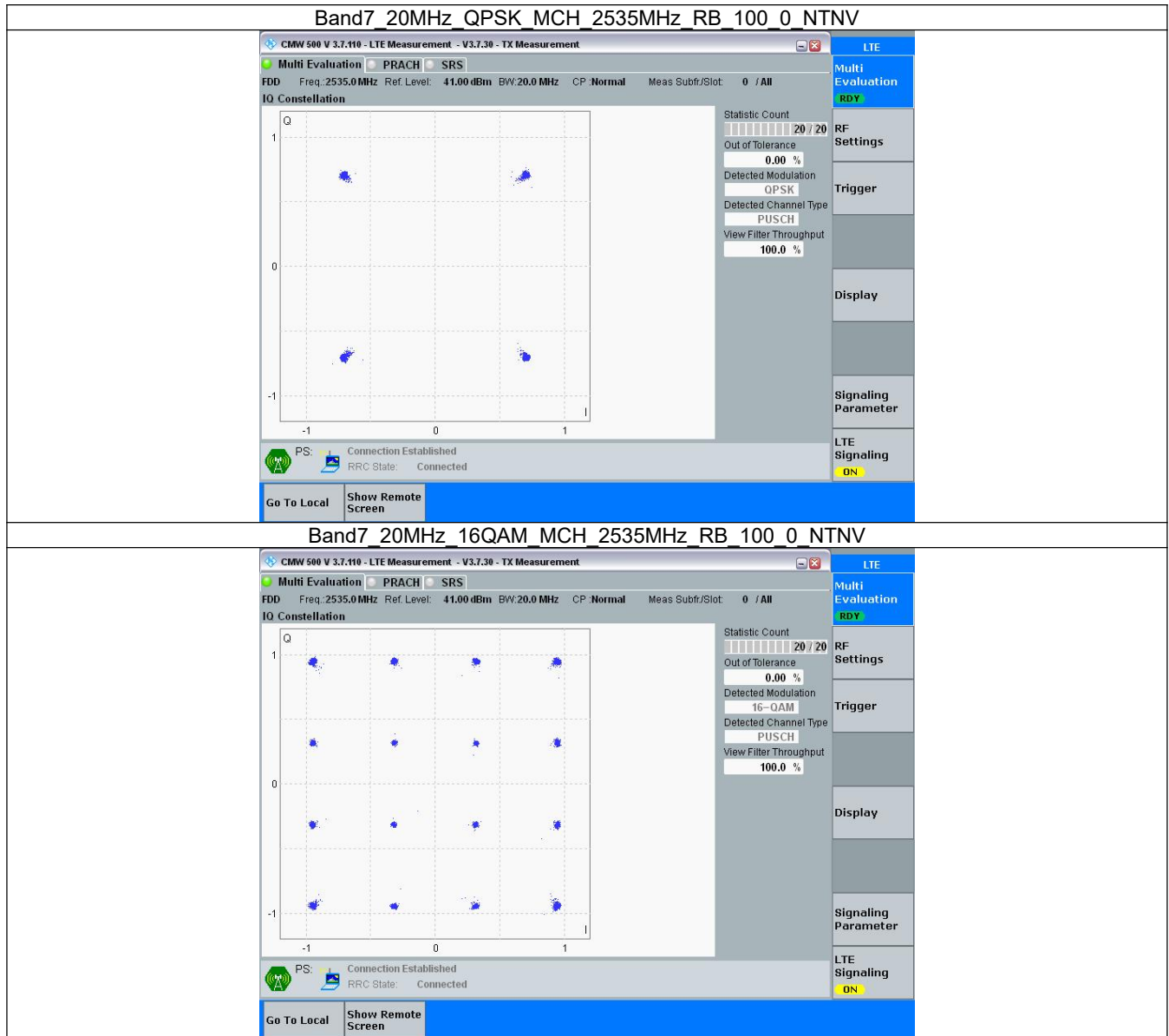
3.2.2 B7_10MHz



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	4.545	/	Pass
		2535	25	0	4.546	/	Pass
		2567.5	25	0	4.563	/	Pass
	16QAM	2502.5	25	0	4.549	/	Pass
		2535	25	0	4.562	/	Pass
		2567.5	25	0	4.536	/	Pass
10	QPSK	2505	50	0	9.042	/	Pass
		2535	50	0	9.055	/	Pass
		2565	50	0	9.055	/	Pass
	16QAM	2505	50	0	9.054	/	Pass
		2535	50	0	9.046	/	Pass
		2565	50	0	9.033	/	Pass
15	QPSK	2507.5	75	0	13.591	/	Pass
		2535	75	0	13.562	/	Pass
		2562.5	75	0	13.606	/	Pass
	16QAM	2507.5	75	0	13.577	/	Pass
		2535	75	0	13.594	/	Pass
		2562.5	75	0	13.593	/	Pass
20	QPSK	2510	100	0	18.098	/	Pass
		2535	100	0	18.135	/	Pass
		2560	100	0	18.109	/	Pass
	16QAM	2510	100	0	18.085	/	Pass
		2535	100	0	18.086	/	Pass
		2560	100	0	18.175	/	Pass

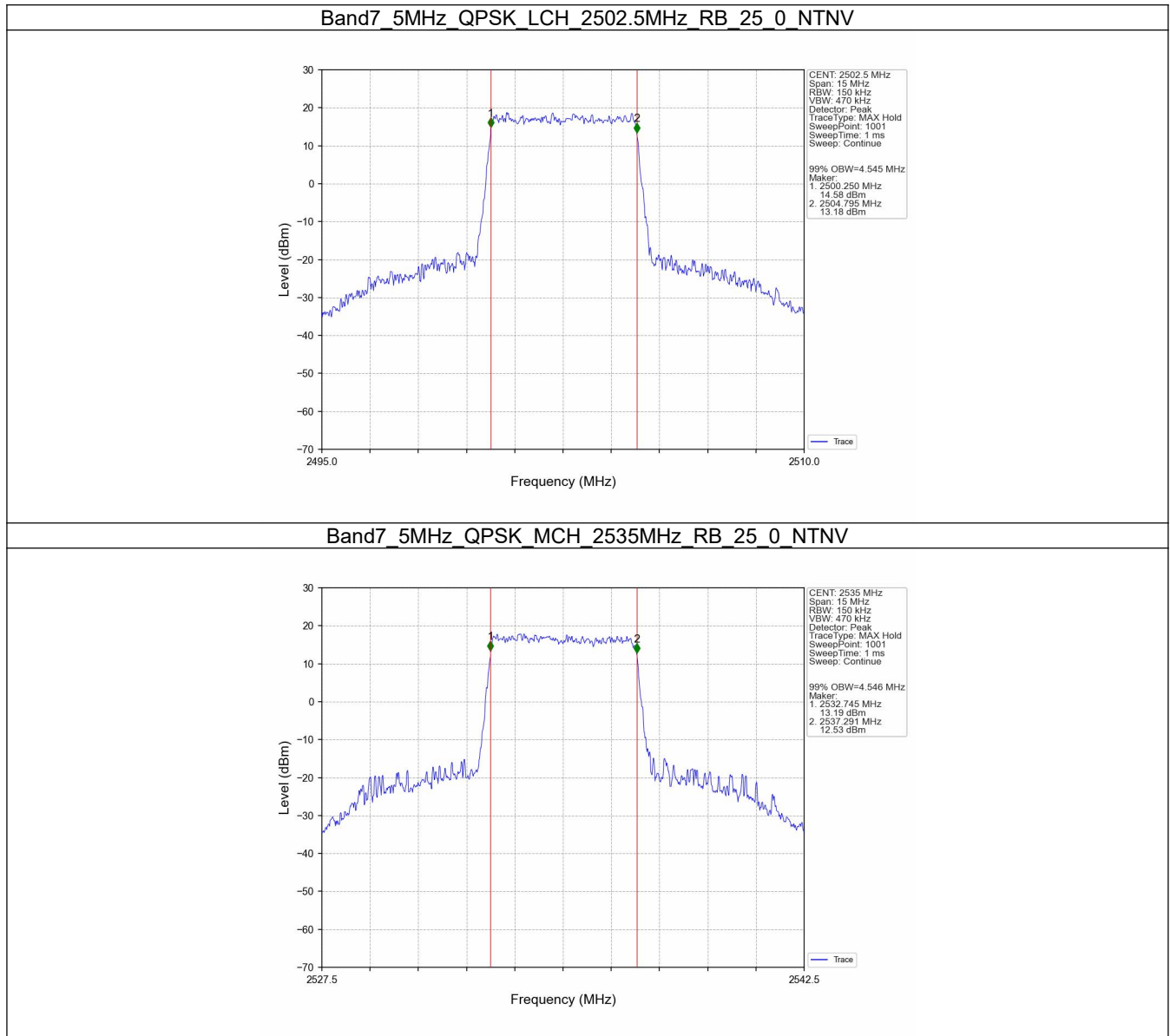
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.032	/	Pass
		2535	25	0	5.047	/	Pass
		2567.5	25	0	5.018	/	Pass
	16QAM	2502.5	25	0	5.091	/	Pass
		2535	25	0	5.058	/	Pass
		2567.5	25	0	5.068	/	Pass
10	QPSK	2505	50	0	9.961	/	Pass
		2535	50	0	9.921	/	Pass
		2565	50	0	10.053	/	Pass
	16QAM	2505	50	0	10.023	/	Pass
		2535	50	0	9.932	/	Pass
		2565	50	0	9.967	/	Pass
15	QPSK	2507.5	75	0	14.855	/	Pass
		2535	75	0	14.882	/	Pass
		2562.5	75	0	14.917	/	Pass
	16QAM	2507.5	75	0	14.868	/	Pass
		2535	75	0	14.996	/	Pass
		2562.5	75	0	15.075	/	Pass

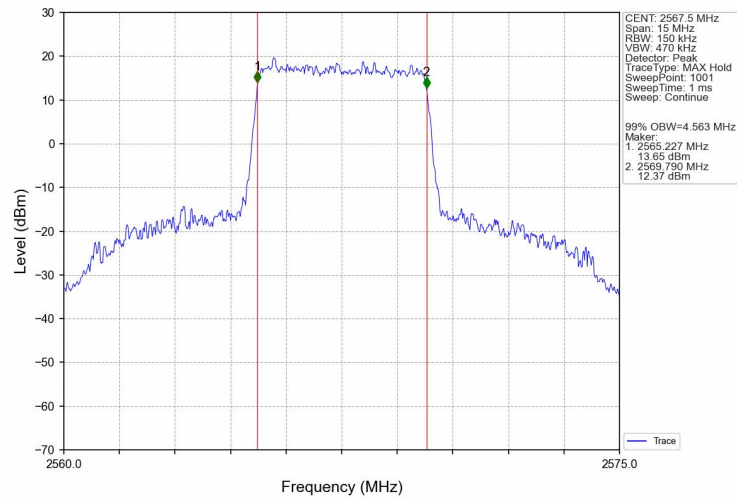
20	QPSK	2510	100	0	19.714	/	Pass
		2535	100	0	19.745	/	Pass
		2560	100	0	19.619	/	Pass
	16QAM	2510	100	0	19.632	/	Pass
		2535	100	0	19.737	/	Pass
		2560	100	0	19.690	/	Pass

4.2 Test Graph

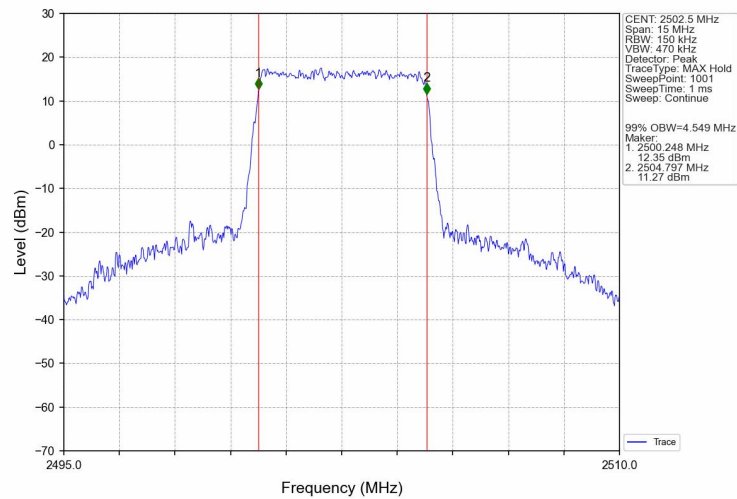
4.2.1 Band7_OBW



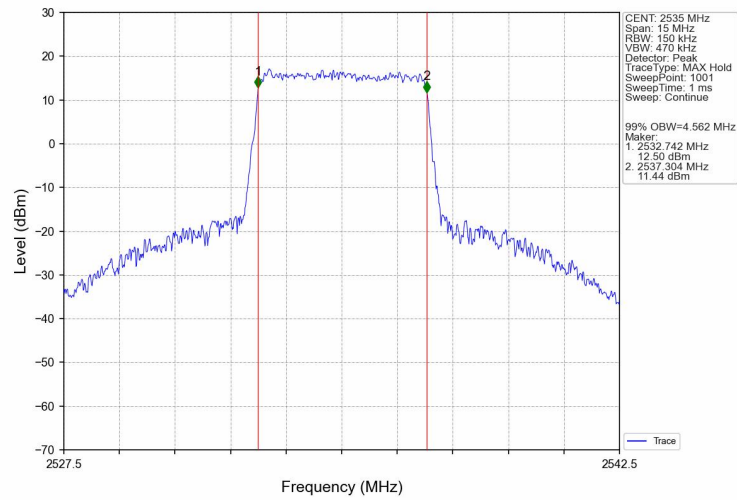
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



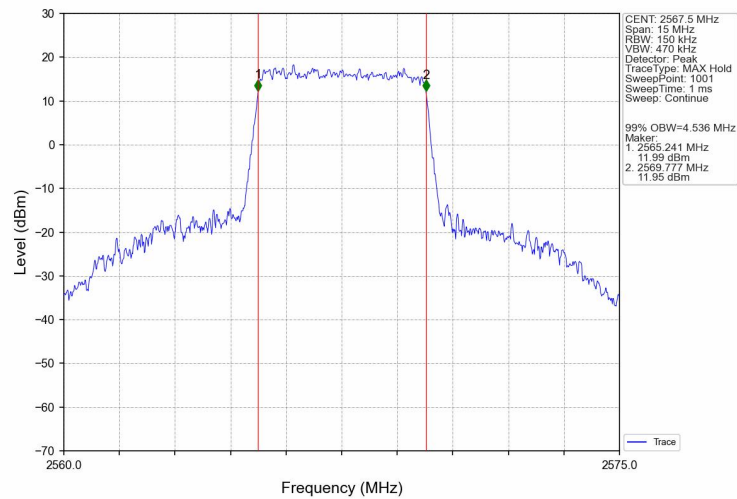
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



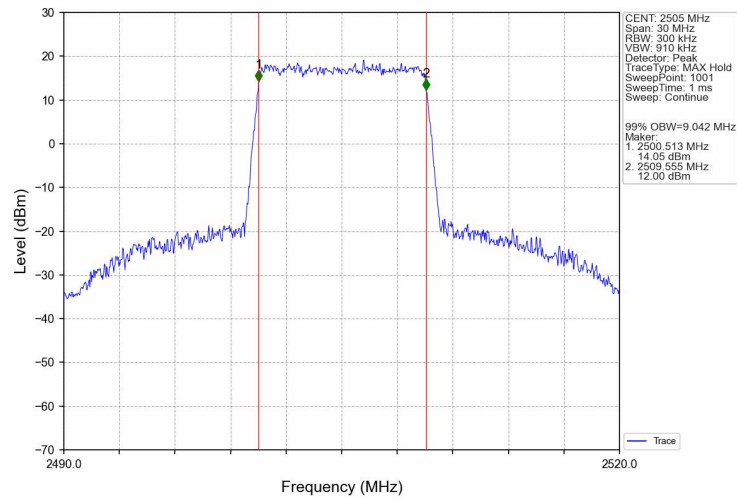
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



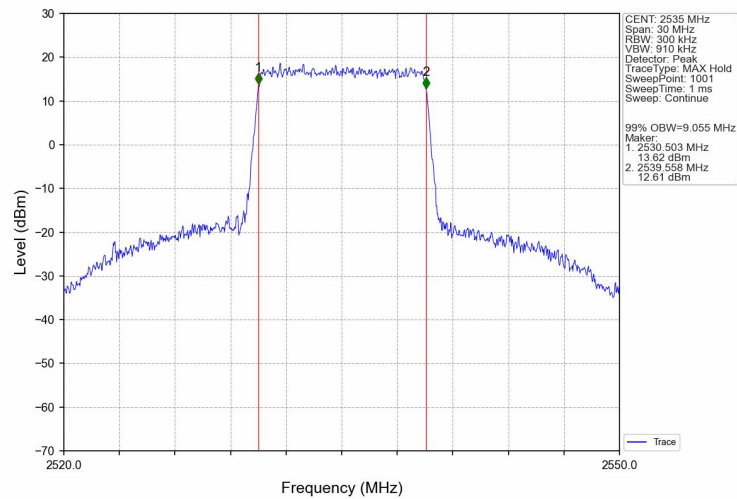
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



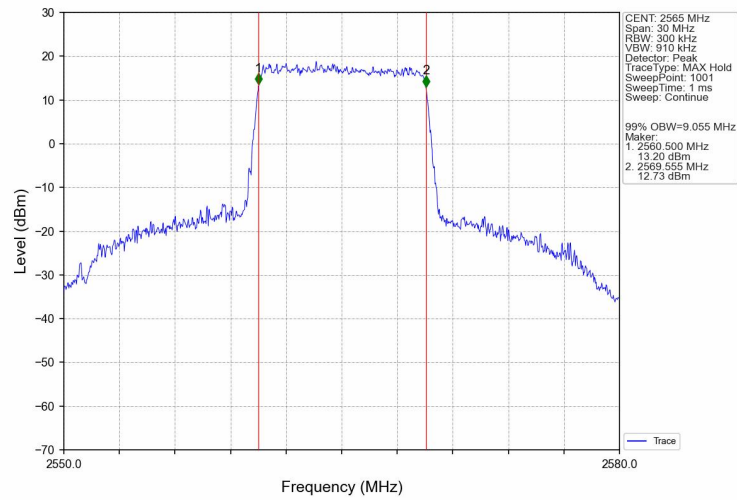
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



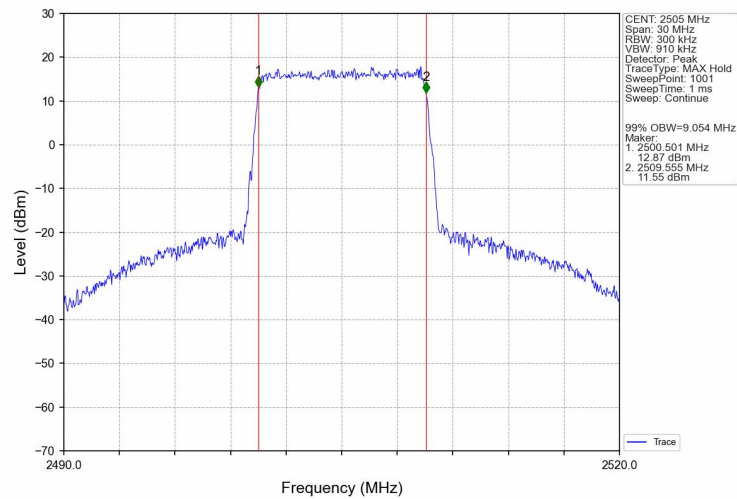
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



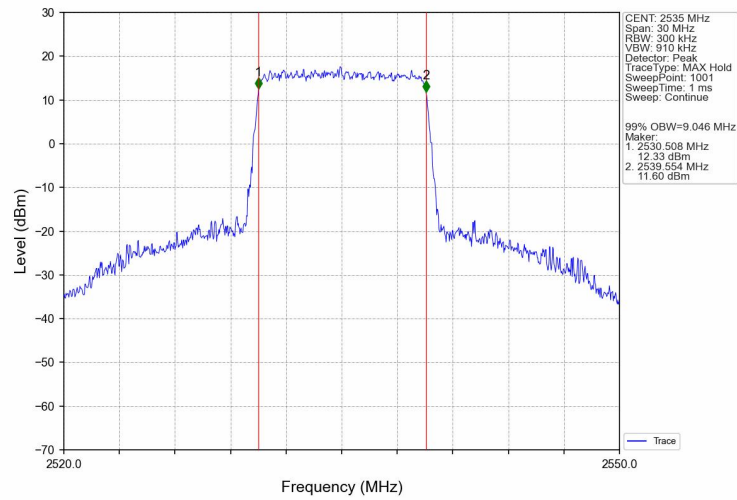
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



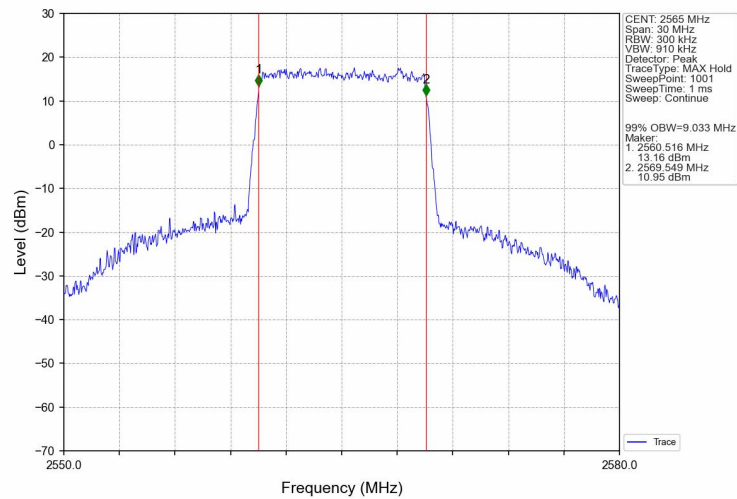
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



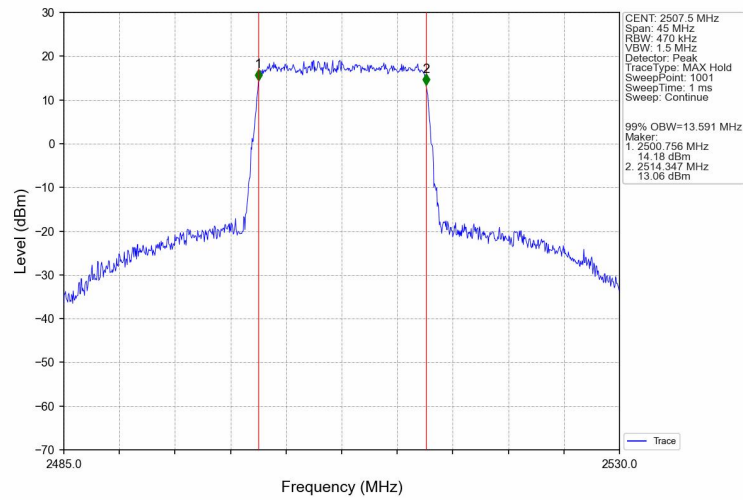
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



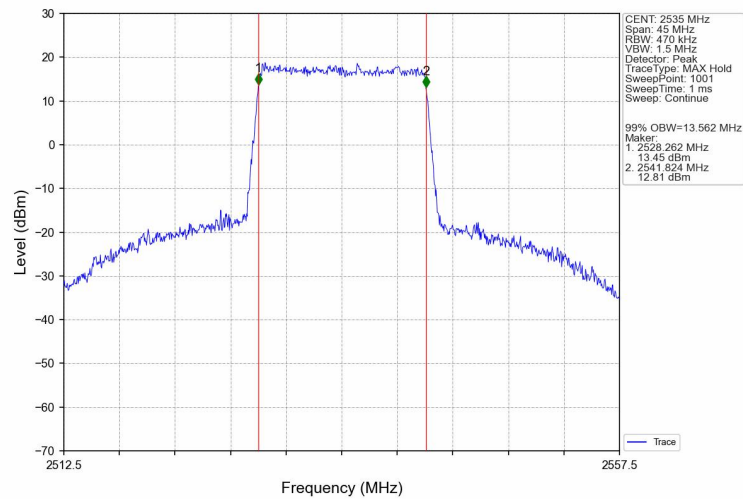
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



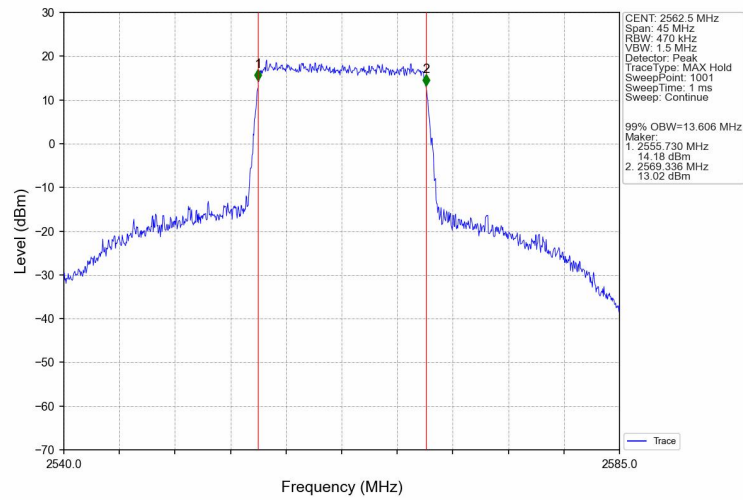
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



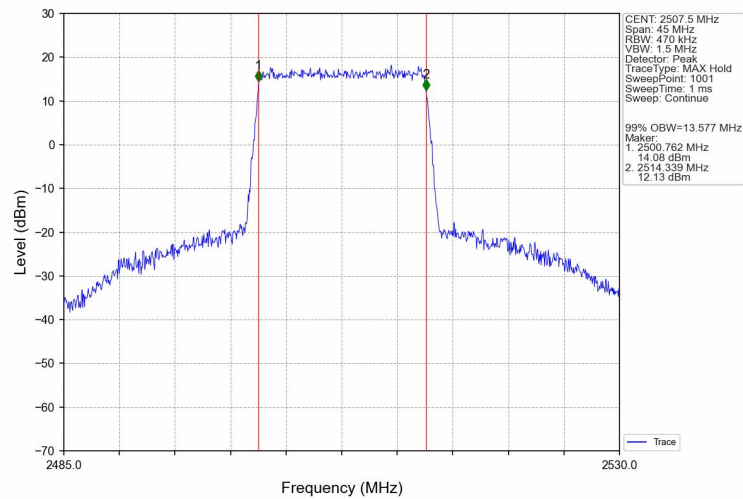
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



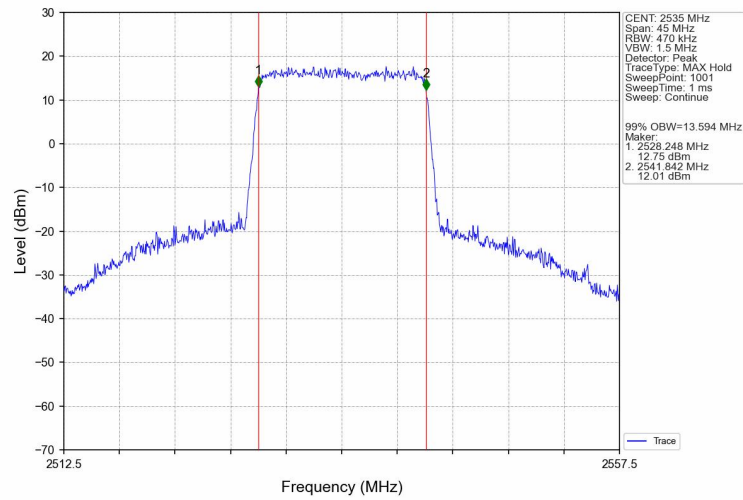
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



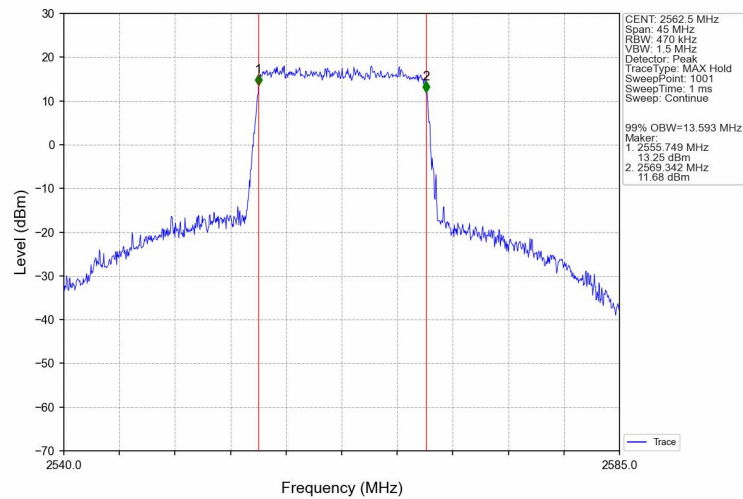
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



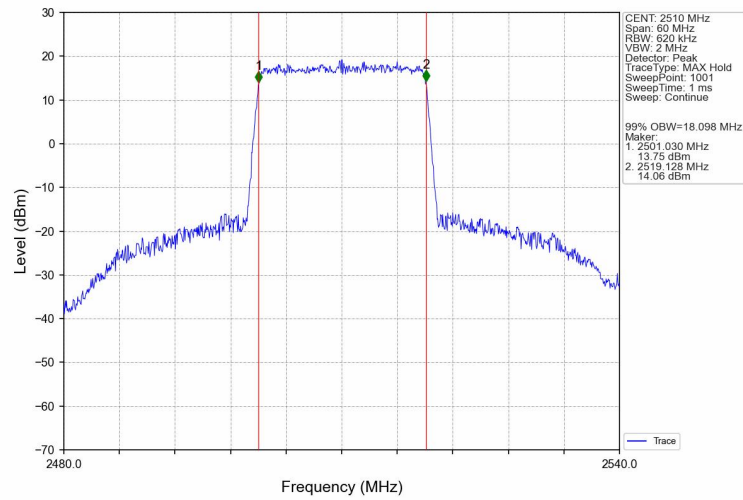
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



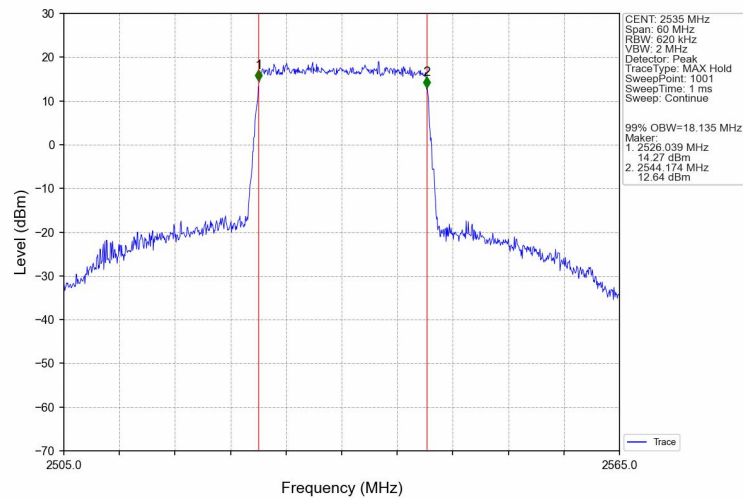
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



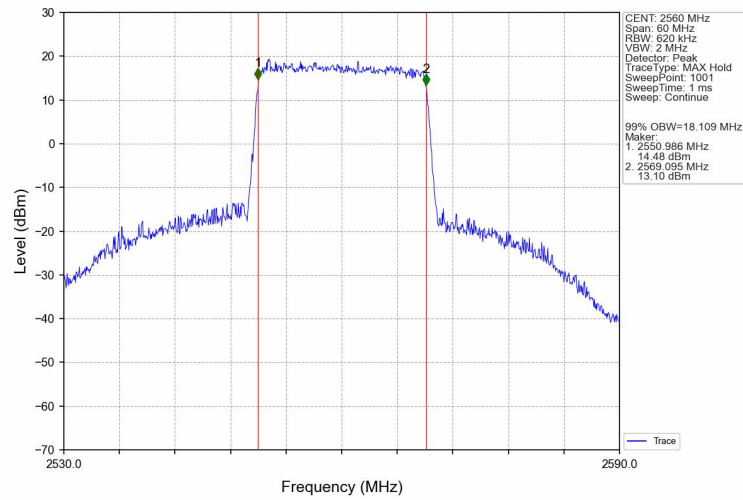
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



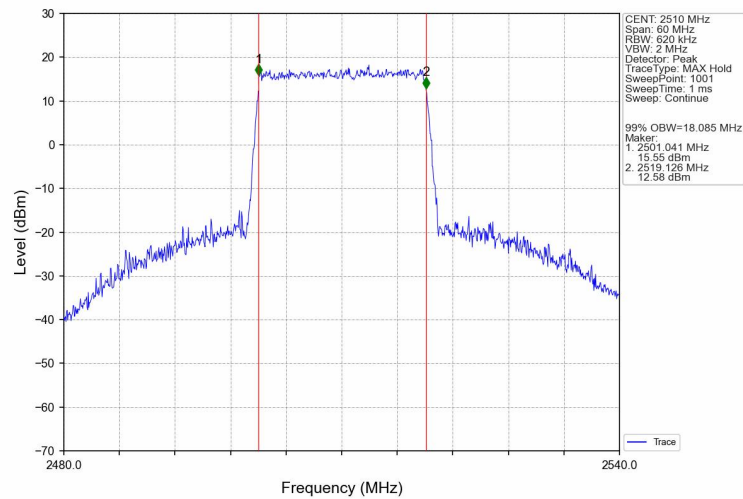
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



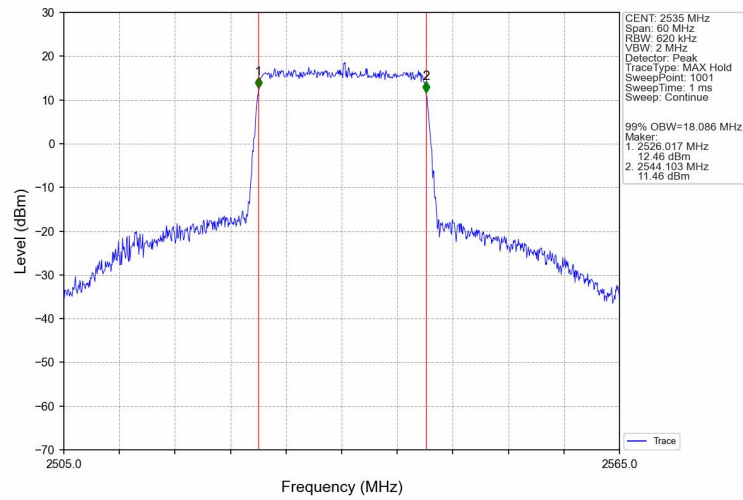
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



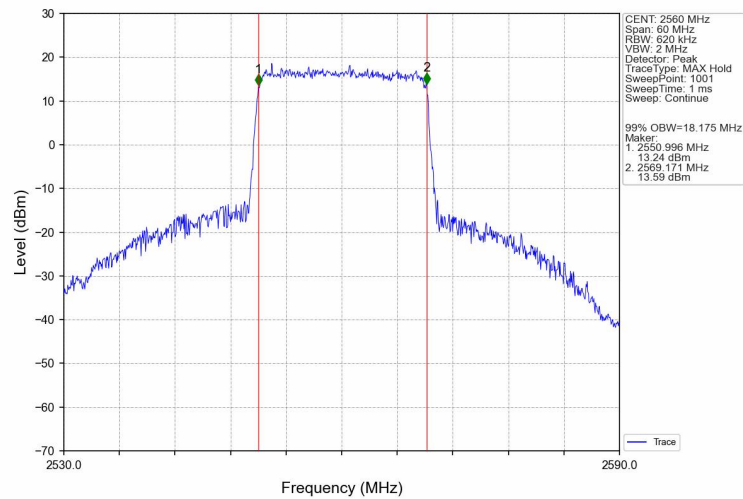
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

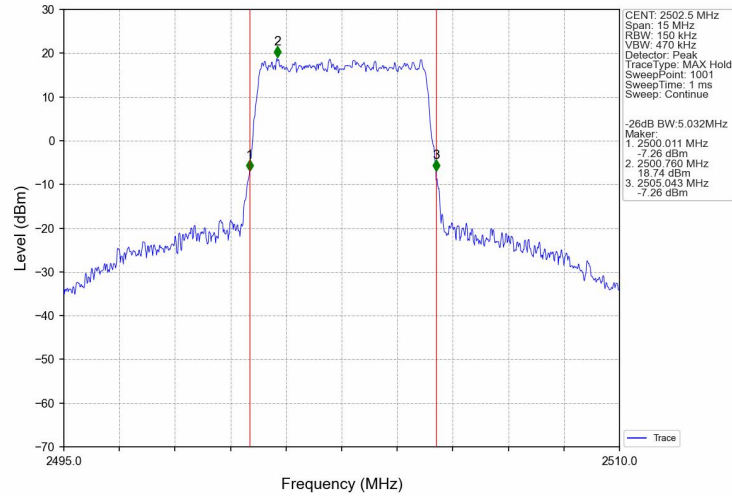


Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

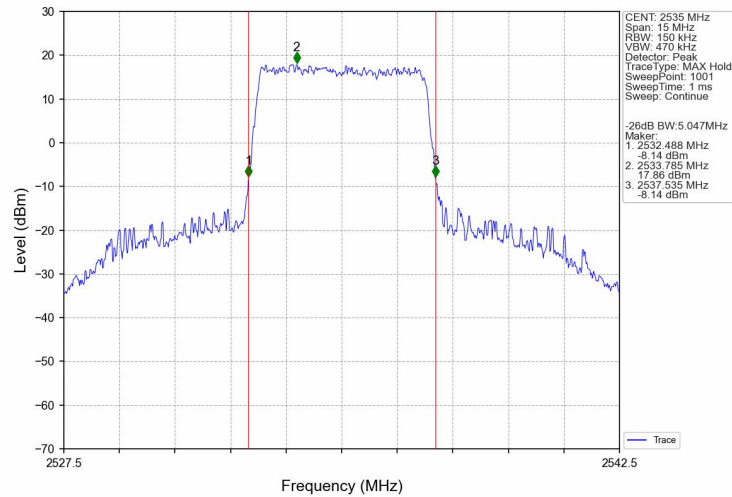


4.2.2 Band7_XDB

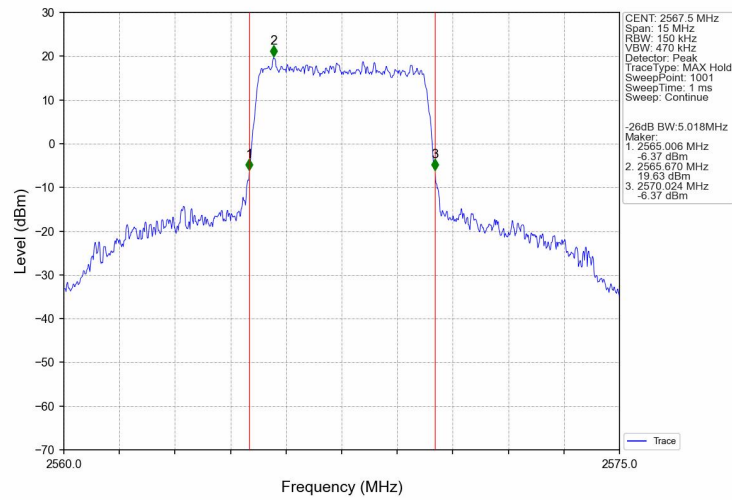
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



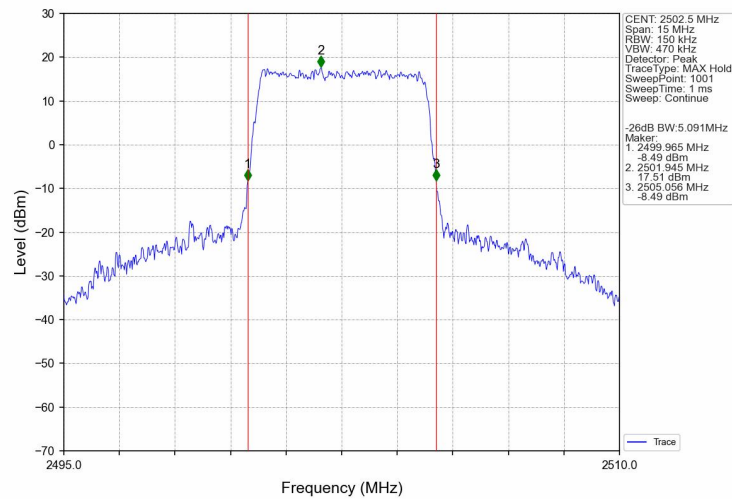
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



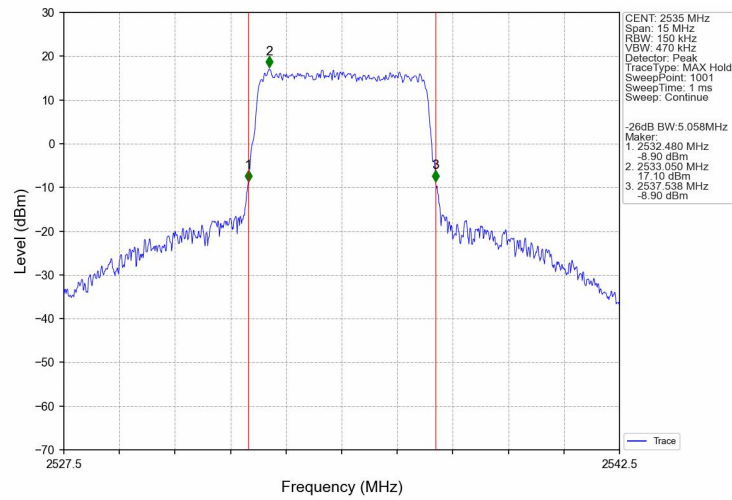
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



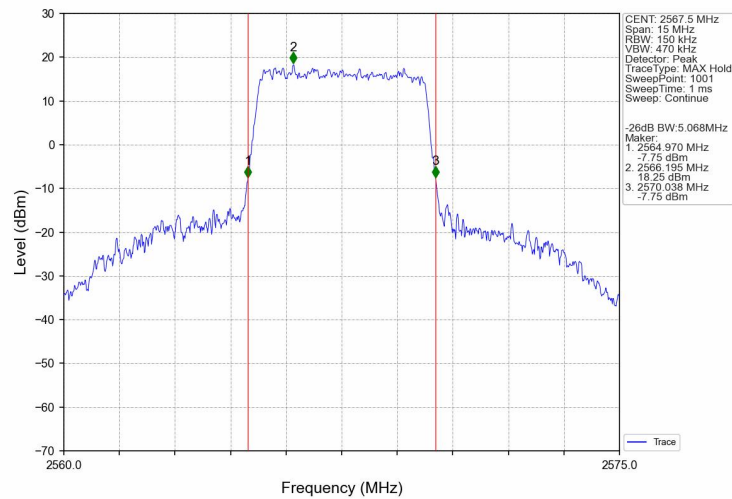
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



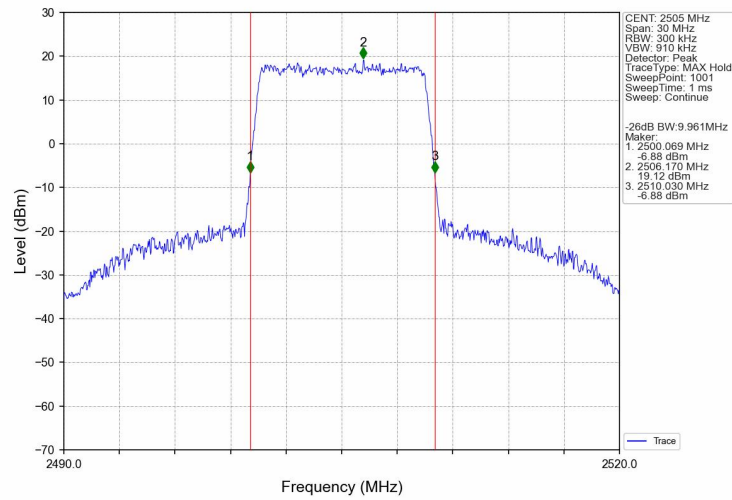
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



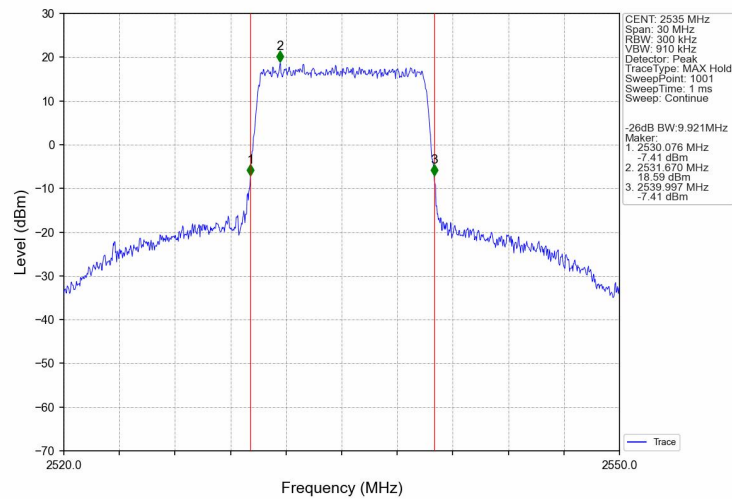
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



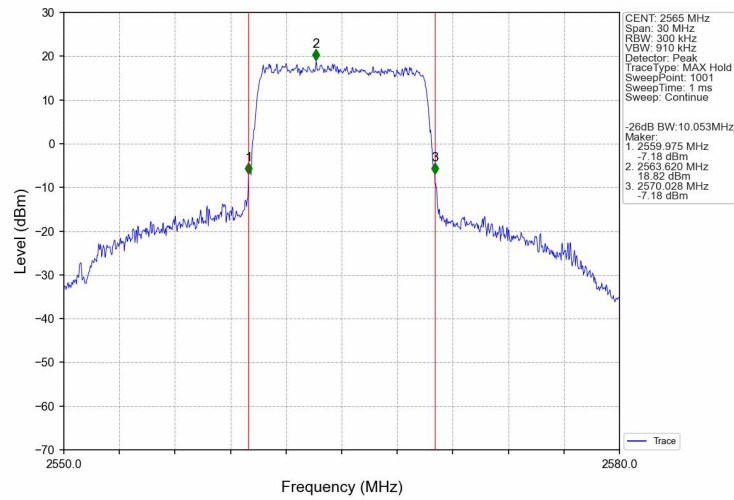
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



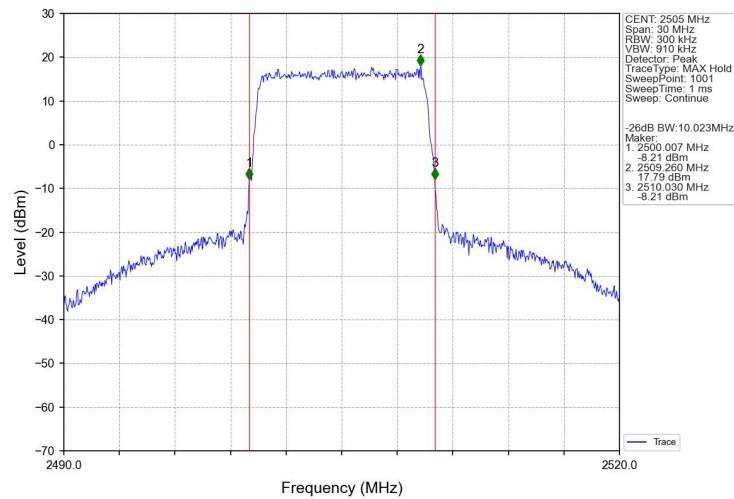
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



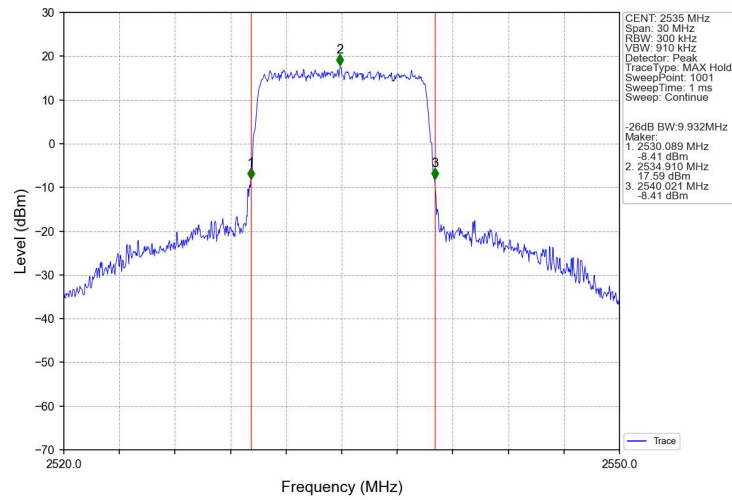
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



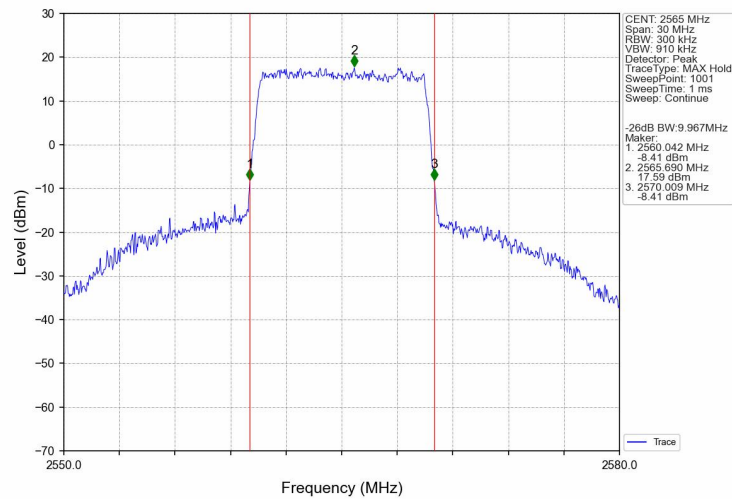
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



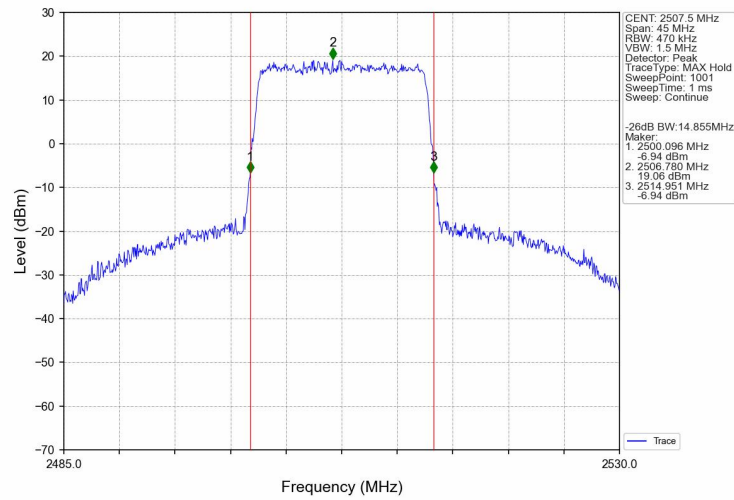
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



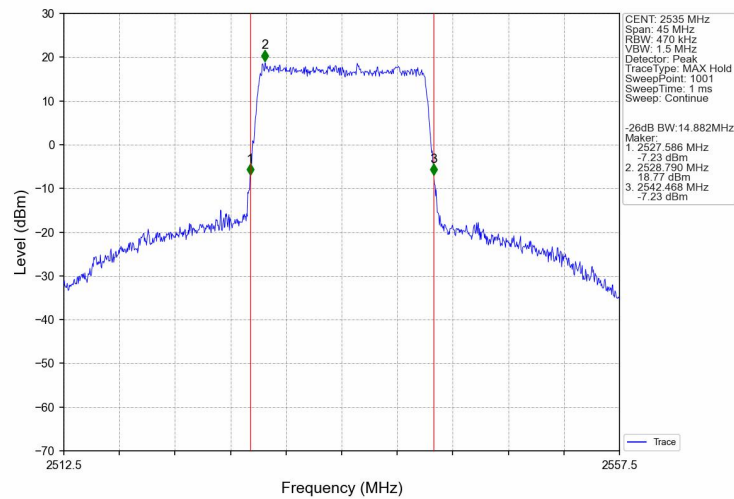
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



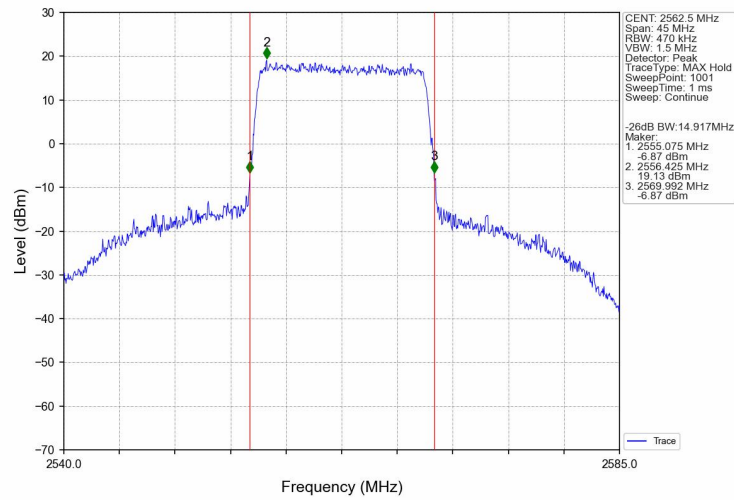
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



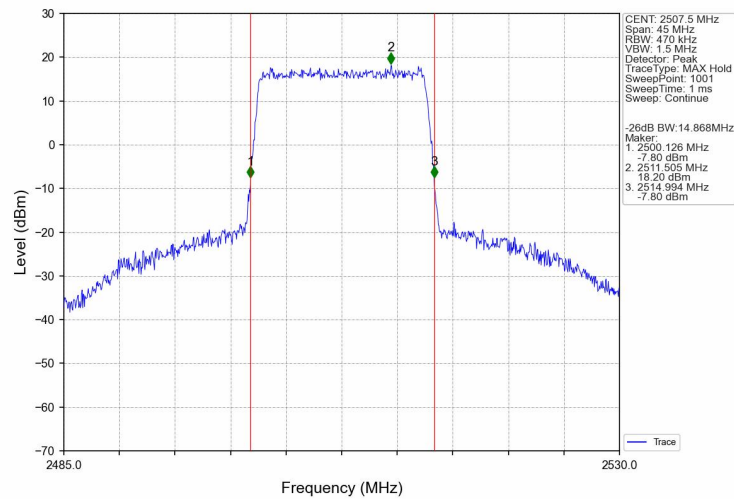
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



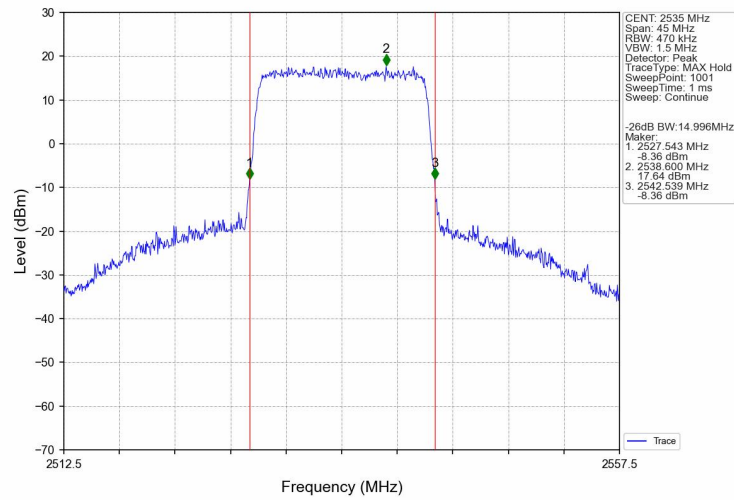
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



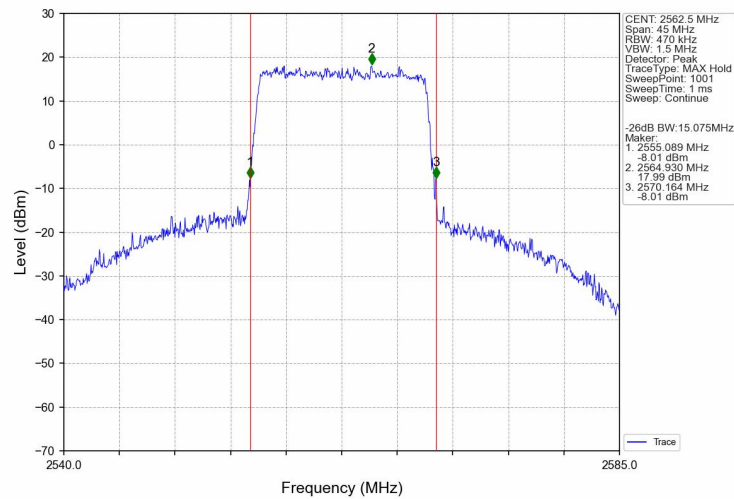
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



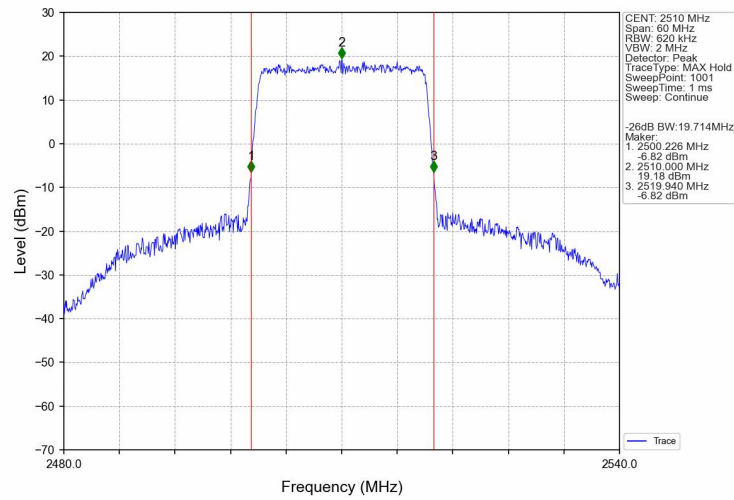
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



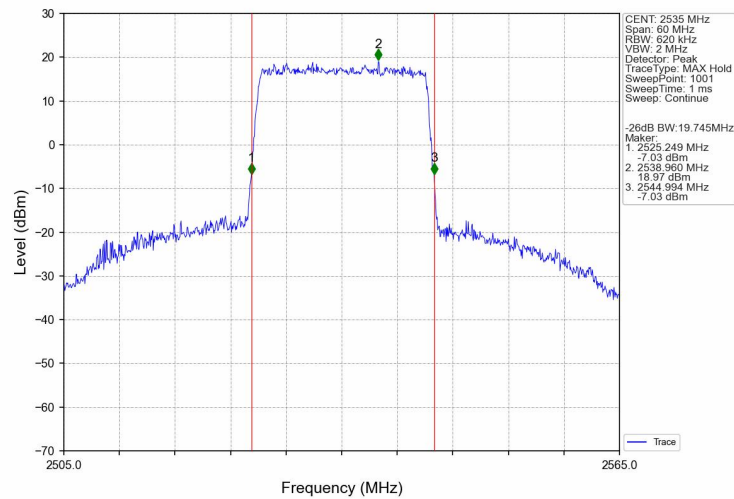
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



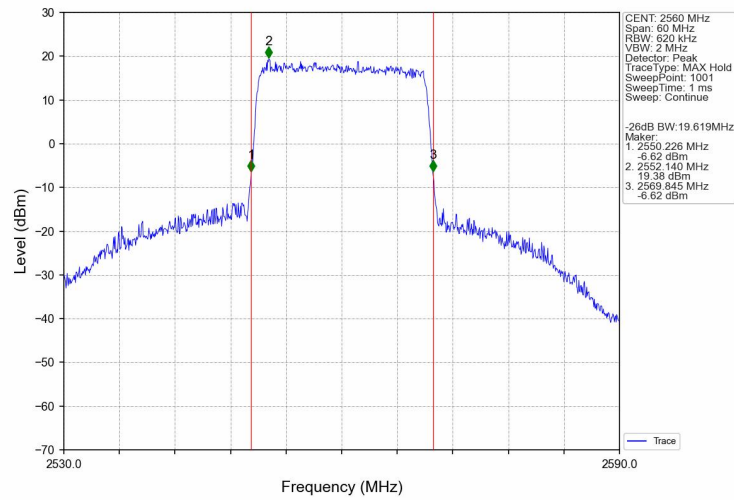
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



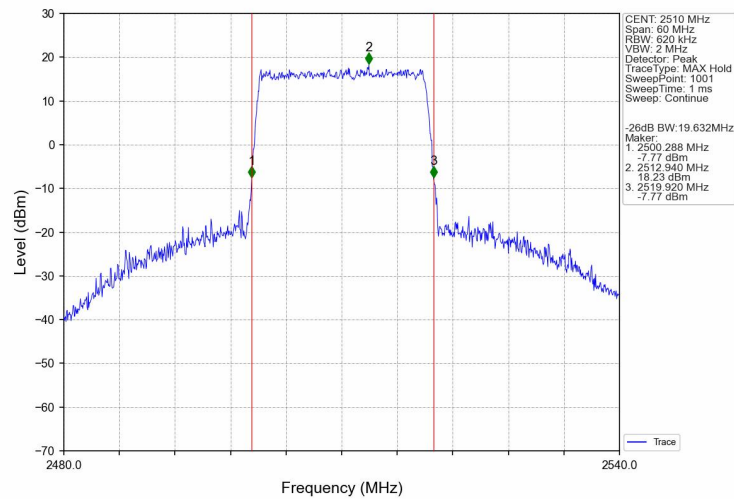
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



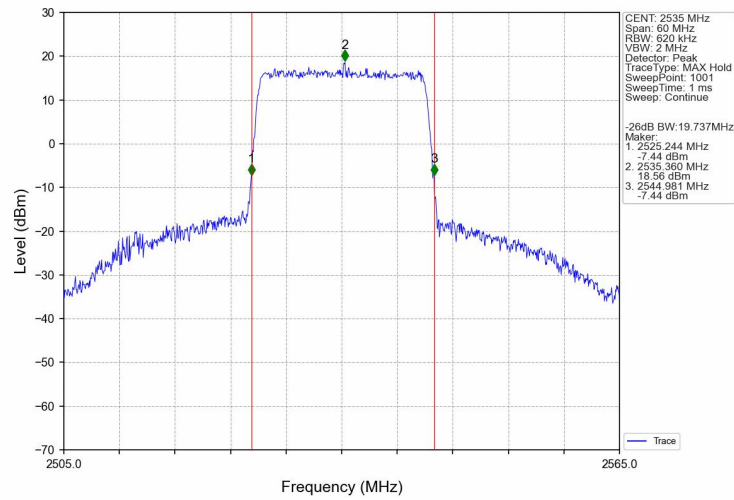
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



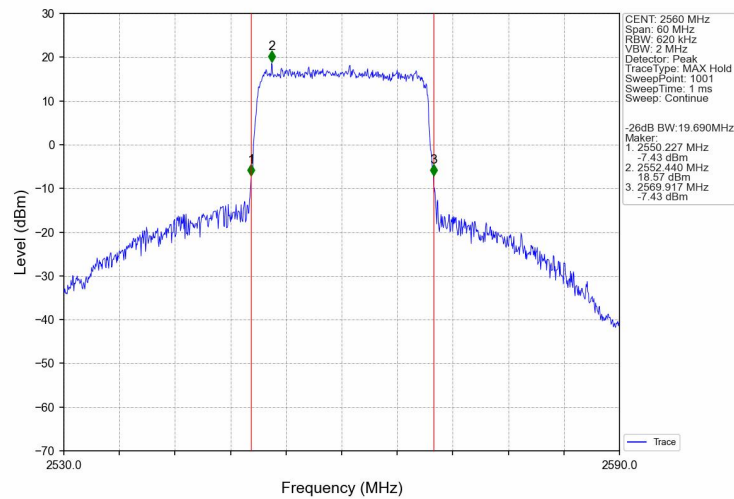
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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	5.43	<=13	Pass
	2535	25	0	5.41	<=13	Pass
	2567.5	25	0	5.25	<=13	Pass
16QAM	2502.5	25	0	6.10	<=13	Pass
	2535	25	0	6.00	<=13	Pass
	2567.5	25	0	5.93	<=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	5.42	<=13	Pass
	2535	50	0	5.31	<=13	Pass
	2565	50	0	5.30	<=13	Pass
16QAM	2505	50	0	6.18	<=13	Pass
	2535	50	0	6.10	<=13	Pass
	2565	50	0	5.98	<=13	Pass

5.1.3 B7_15MHz

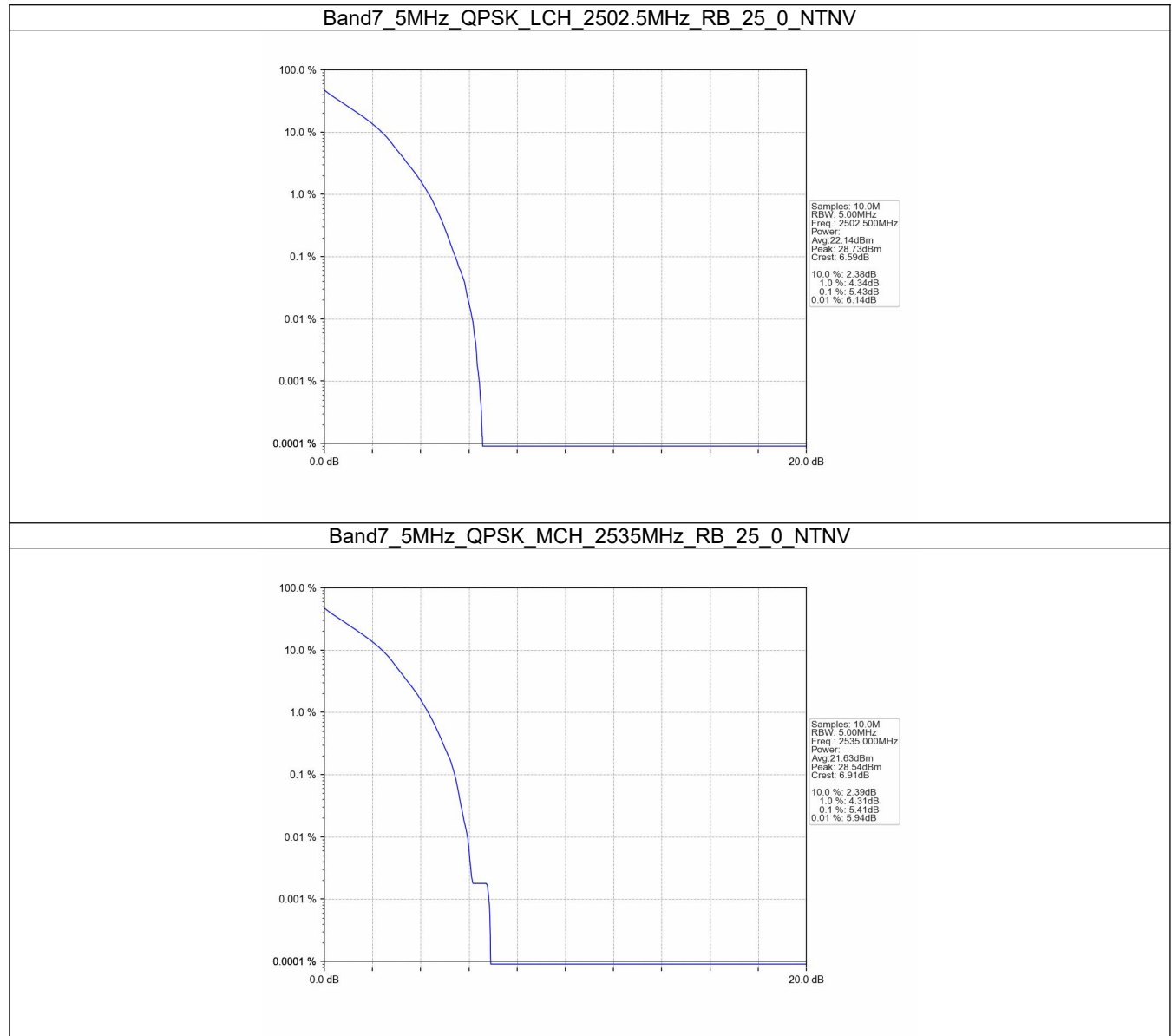
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.10	<=13	Pass
	2535	75	0	5.12	<=13	Pass
	2562.5	75	0	5.08	<=13	Pass
16QAM	2507.5	75	0	6.15	<=13	Pass
	2535	75	0	6.08	<=13	Pass
	2562.5	75	0	6.04	<=13	Pass

5.1.4 B7_20MHz

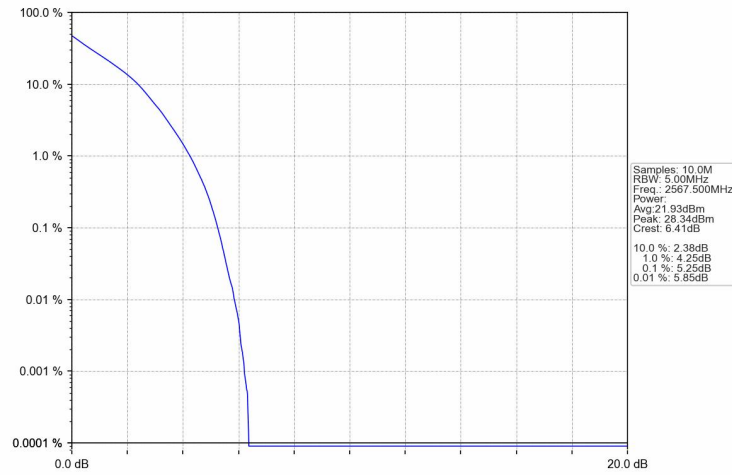
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.65	<=13	Pass
	2535	100	0	5.62	<=13	Pass
	2560	100	0	5.61	<=13	Pass
16QAM	2510	100	0	6.61	<=13	Pass
	2535	100	0	6.52	<=13	Pass
	2560	100	0	6.55	<=13	Pass

5.2 Test Graph

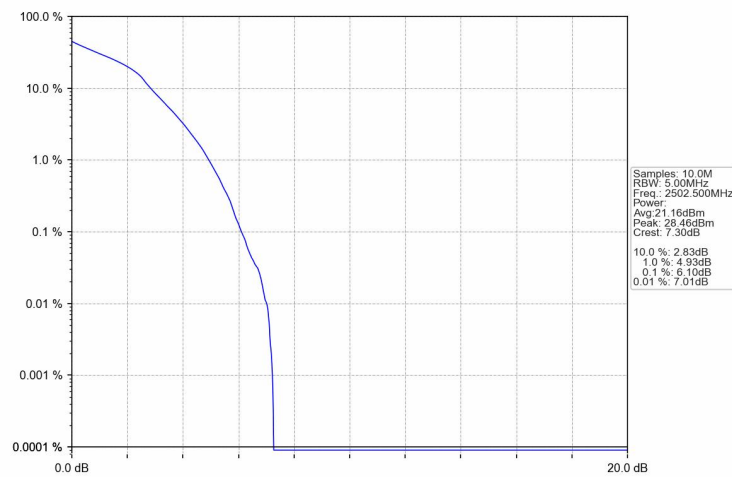
5.2.1 B7_5MHz



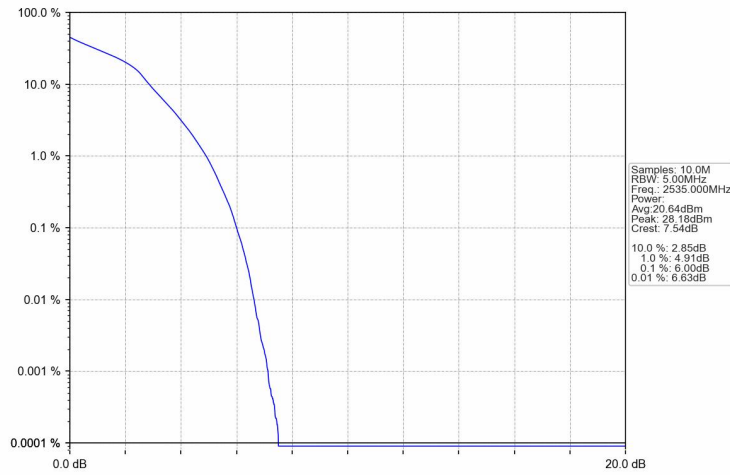
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



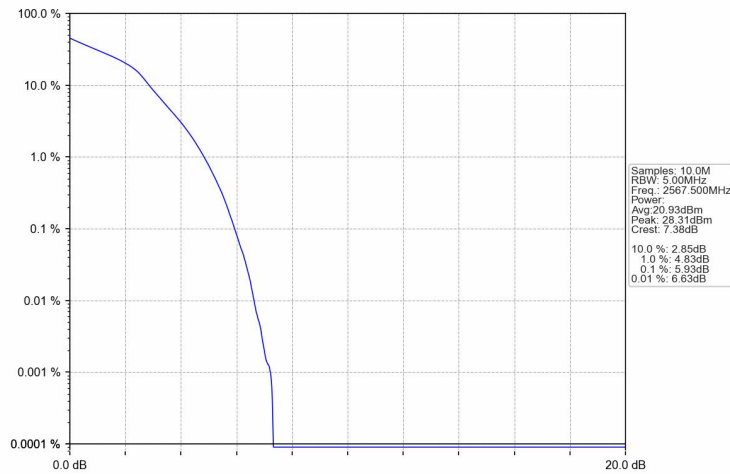
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

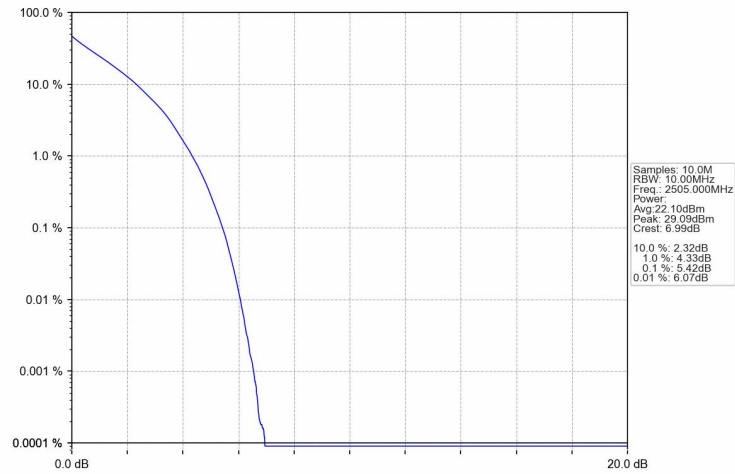


Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV

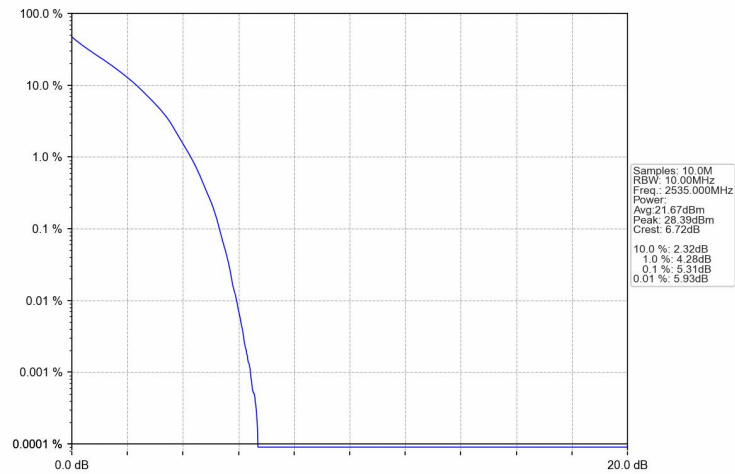


5.2.2 B7_10MHz

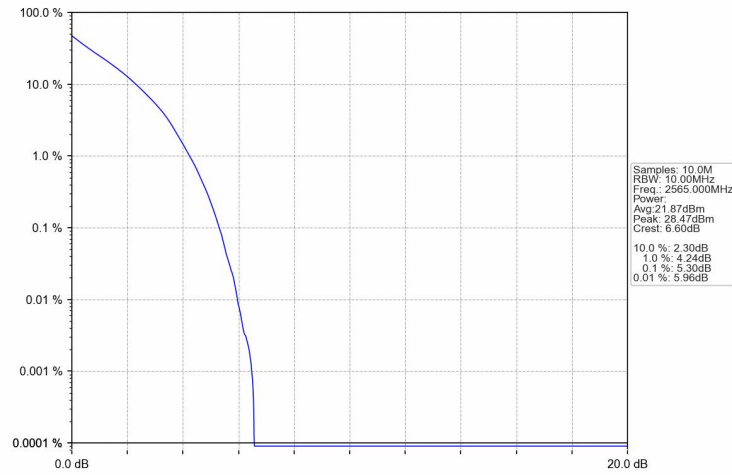
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



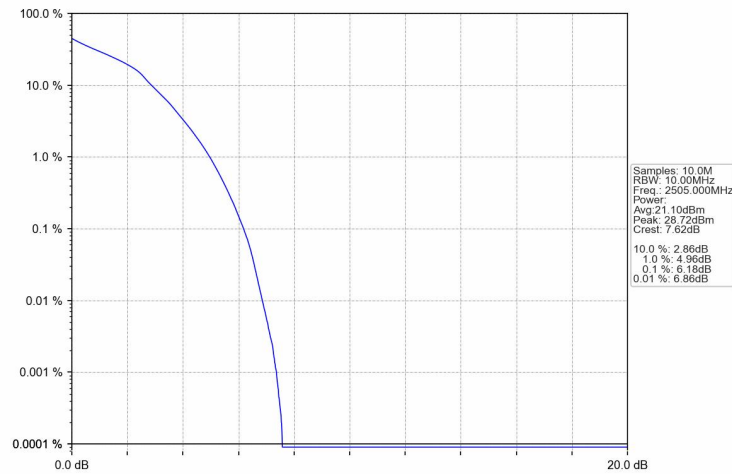
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



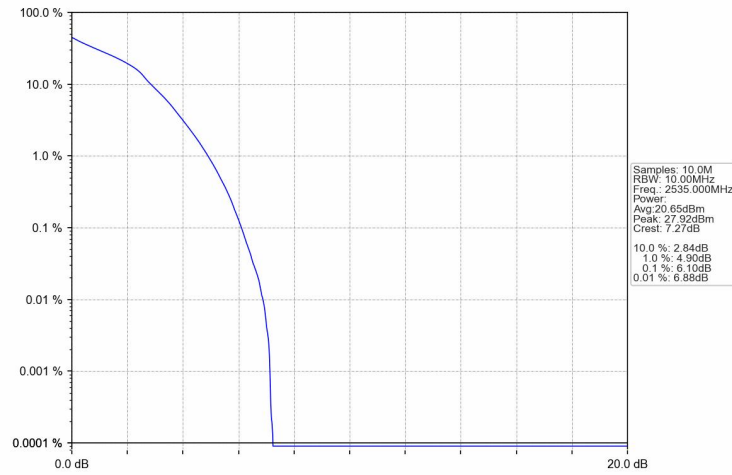
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV

