

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	23.74	-1.70	22.04	<=33.01	Pass
			13	23.67	-1.70	21.97	<=33.01	Pass
			24	23.81	-1.70	22.11	<=33.01	Pass
		12	0	22.98	-1.70	21.28	<=33.01	Pass
			6	22.81	-1.70	21.11	<=33.01	Pass
			13	22.85	-1.70	21.15	<=33.01	Pass
		25	0	22.83	-1.70	21.13	<=33.01	Pass
	2535	1	0	23.75	-1.70	22.05	<=33.01	Pass
			13	23.67	-1.70	21.97	<=33.01	Pass
			24	23.72	-1.70	22.02	<=33.01	Pass
		12	0	22.82	-1.70	21.12	<=33.01	Pass
			6	22.72	-1.70	21.02	<=33.01	Pass
			13	22.77	-1.70	21.07	<=33.01	Pass
		25	0	22.79	-1.70	21.09	<=33.01	Pass
	2567.5	1	0	23.59	-1.70	21.89	<=33.01	Pass
			13	23.61	-1.70	21.91	<=33.01	Pass
			24	23.63	-1.70	21.93	<=33.01	Pass
		12	0	22.62	-1.70	20.92	<=33.01	Pass
			6	22.59	-1.70	20.89	<=33.01	Pass
			13	22.57	-1.70	20.87	<=33.01	Pass
		25	0	22.71	-1.70	21.01	<=33.01	Pass
16QAM	2502.5	1	0	22.80	-1.70	21.10	<=33.01	Pass
			13	22.85	-1.70	21.15	<=33.01	Pass
			24	22.80	-1.70	21.10	<=33.01	Pass
		12	0	22.00	-1.70	20.30	<=33.01	Pass
			6	22.08	-1.70	20.38	<=33.01	Pass
			13	22.24	-1.70	20.54	<=33.01	Pass
		25	0	22.01	-1.70	20.31	<=33.01	Pass
	2535	1	0	22.79	-1.70	21.09	<=33.01	Pass
			13	22.80	-1.70	21.10	<=33.01	Pass
			24	22.82	-1.70	21.12	<=33.01	Pass
		12	0	21.66	-1.70	19.96	<=33.01	Pass
			6	21.72	-1.70	20.02	<=33.01	Pass
			13	21.87	-1.70	20.17	<=33.01	Pass
		25	0	21.55	-1.70	19.85	<=33.01	Pass
	2567.5	1	0	21.94	-1.70	20.24	<=33.01	Pass
			13	22.00	-1.70	20.30	<=33.01	Pass
			24	21.94	-1.70	20.24	<=33.01	Pass
		12	0	21.56	-1.70	19.86	<=33.01	Pass
			6	21.56	-1.70	19.86	<=33.01	Pass
			13	21.54	-1.70	19.84	<=33.01	Pass
		25	0	21.68	-1.70	19.98	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	23.88	-1.70	22.18	<=33.01	Pass
			25	23.87	-1.70	22.17	<=33.01	Pass
			49	23.86	-1.70	22.16	<=33.01	Pass
		25	0	22.78	-1.70	21.08	<=33.01	Pass
			13	22.80	-1.70	21.10	<=33.01	Pass
			25	22.96	-1.70	21.26	<=33.01	Pass
		50	0	22.98	-1.70	21.28	<=33.01	Pass
			0	23.79	-1.70	22.09	<=33.01	Pass
			25	23.86	-1.70	22.16	<=33.01	Pass
	2535	1	49	23.85	-1.70	22.15	<=33.01	Pass
			0	22.78	-1.70	21.08	<=33.01	Pass
			13	22.78	-1.70	21.08	<=33.01	Pass
		25	25	22.75	-1.70	21.05	<=33.01	Pass
			0	22.67	-1.70	20.97	<=33.01	Pass
			0	23.72	-1.70	22.02	<=33.01	Pass
		50	25	23.74	-1.70	22.04	<=33.01	Pass
			49	23.75	-1.70	22.05	<=33.01	Pass
			0	22.66	-1.70	20.96	<=33.01	Pass
	2565	25	13	22.59	-1.70	20.89	<=33.01	Pass
			25	22.62	-1.70	20.92	<=33.01	Pass
			0	22.68	-1.70	20.98	<=33.01	Pass
16QAM	2505	1	0	22.43	-1.70	20.73	<=33.01	Pass
			25	22.42	-1.70	20.72	<=33.01	Pass
			49	22.43	-1.70	20.73	<=33.01	Pass
		25	0	21.91	-1.70	20.21	<=33.01	Pass
			13	21.90	-1.70	20.20	<=33.01	Pass
			25	21.90	-1.70	20.20	<=33.01	Pass
		50	0	21.96	-1.70	20.26	<=33.01	Pass
			0	22.46	-1.70	20.76	<=33.01	Pass
			25	22.54	-1.70	20.84	<=33.01	Pass
	2535	1	49	22.60	-1.70	20.90	<=33.01	Pass
			0	21.76	-1.70	20.06	<=33.01	Pass
			13	21.80	-1.70	20.10	<=33.01	Pass
		25	25	21.85	-1.70	20.15	<=33.01	Pass
			0	21.75	-1.70	20.05	<=33.01	Pass
			0	22.47	-1.70	20.77	<=33.01	Pass
		50	25	22.48	-1.70	20.78	<=33.01	Pass
			49	22.48	-1.70	20.78	<=33.01	Pass
			0	21.85	-1.70	20.15	<=33.01	Pass
	2565	25	13	21.70	-1.70	20.00	<=33.01	Pass
			25	21.83	-1.70	20.13	<=33.01	Pass
			0	21.69	-1.70	19.99	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	23.78	-1.70	22.08	<=33.01	Pass
			38	23.84	-1.70	22.14	<=33.01	Pass
			74	23.85	-1.70	22.15	<=33.01	Pass
		36	0	22.89	-1.70	21.19	<=33.01	Pass
			18	22.92	-1.70	21.22	<=33.01	Pass
			39	22.94	-1.70	21.24	<=33.01	Pass
		75	0	22.91	-1.70	21.21	<=33.01	Pass
	2535	1	0	23.82	-1.70	22.12	<=33.01	Pass
			38	23.78	-1.70	22.08	<=33.01	Pass
			74	23.80	-1.70	22.10	<=33.01	Pass
		36	0	22.80	-1.70	21.10	<=33.01	Pass
			18	22.69	-1.70	20.99	<=33.01	Pass
			39	22.82	-1.70	21.12	<=33.01	Pass
		75	0	22.72	-1.70	21.02	<=33.01	Pass
	2562.5	1	0	23.69	-1.70	21.99	<=33.01	Pass
			38	23.69	-1.70	21.99	<=33.01	Pass
			74	23.75	-1.70	22.05	<=33.01	Pass
		36	0	22.73	-1.70	21.03	<=33.01	Pass
			18	22.62	-1.70	20.92	<=33.01	Pass
			39	22.67	-1.70	20.97	<=33.01	Pass
		75	0	22.67	-1.70	20.97	<=33.01	Pass
16QAM	2507.5	1	0	22.45	-1.70	20.75	<=33.01	Pass
			38	22.36	-1.70	20.66	<=33.01	Pass
			74	22.41	-1.70	20.71	<=33.01	Pass
		36	0	21.90	-1.70	20.20	<=33.01	Pass
			18	21.90	-1.70	20.20	<=33.01	Pass
			39	21.93	-1.70	20.23	<=33.01	Pass
		75	0	21.95	-1.70	20.25	<=33.01	Pass
	2535	1	0	22.57	-1.70	20.87	<=33.01	Pass
			38	22.55	-1.70	20.85	<=33.01	Pass
			74	22.61	-1.70	20.91	<=33.01	Pass
		36	0	21.80	-1.70	20.10	<=33.01	Pass
			18	21.77	-1.70	20.07	<=33.01	Pass
			39	21.88	-1.70	20.18	<=33.01	Pass
		75	0	21.84	-1.70	20.14	<=33.01	Pass
	2562.5	1	0	22.61	-1.70	20.91	<=33.01	Pass
			38	22.60	-1.70	20.90	<=33.01	Pass
			74	22.71	-1.70	21.01	<=33.01	Pass
		36	0	21.66	-1.70	19.96	<=33.01	Pass
			18	21.60	-1.70	19.90	<=33.01	Pass
			39	21.68	-1.70	19.98	<=33.01	Pass
		75	0	21.66	-1.70	19.96	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	23.73	-1.70	22.03	<=33.01	Pass
			50	23.72	-1.70	22.02	<=33.01	Pass
			99	23.79	-1.70	22.09	<=33.01	Pass
		50	0	22.83	-1.70	21.13	<=33.01	Pass
			25	22.82	-1.70	21.12	<=33.01	Pass
			50	22.88	-1.70	21.18	<=33.01	Pass
		100	0	22.79	-1.70	21.09	<=33.01	Pass
			0	23.88	-1.70	22.18	<=33.01	Pass
			50	23.79	-1.70	22.09	<=33.01	Pass
	2535	1	99	23.77	-1.70	22.07	<=33.01	Pass
			0	22.74	-1.70	21.04	<=33.01	Pass
			25	22.77	-1.70	21.07	<=33.01	Pass
		50	50	22.79	-1.70	21.09	<=33.01	Pass
			0	22.73	-1.70	21.03	<=33.01	Pass
			0	23.87	-1.70	22.17	<=33.01	Pass
		100	50	23.96	-1.70	22.26	<=33.01	Pass
			99	23.94	-1.70	22.24	<=33.01	Pass
			0	22.68	-1.70	20.98	<=33.01	Pass
16QAM	2510	1	25	22.62	-1.70	20.92	<=33.01	Pass
			50	22.62	-1.70	20.92	<=33.01	Pass
			0	22.64	-1.70	20.94	<=33.01	Pass
		50	0	22.73	-1.70	21.03	<=33.01	Pass
			50	22.83	-1.70	21.13	<=33.01	Pass
			99	22.88	-1.70	21.18	<=33.01	Pass
		100	0	21.83	-1.70	20.13	<=33.01	Pass
			25	21.97	-1.70	20.27	<=33.01	Pass
			50	21.89	-1.70	20.19	<=33.01	Pass
	2535	1	0	21.77	-1.70	20.07	<=33.01	Pass
			0	23.10	-1.70	21.40	<=33.01	Pass
			50	23.08	-1.70	21.38	<=33.01	Pass
		50	99	23.10	-1.70	21.40	<=33.01	Pass
			0	21.69	-1.70	19.99	<=33.01	Pass
			25	21.73	-1.70	20.03	<=33.01	Pass
			50	21.74	-1.70	20.04	<=33.01	Pass
		100	0	21.80	-1.70	20.10	<=33.01	Pass
			0	22.56	-1.70	20.86	<=33.01	Pass
			50	22.64	-1.70	20.94	<=33.01	Pass
	2560	1	99	22.69	-1.70	20.99	<=33.01	Pass
			0	21.69	-1.70	19.99	<=33.01	Pass
			25	21.72	-1.70	20.02	<=33.01	Pass
		50	50	21.64	-1.70	19.94	<=33.01	Pass
			0	21.62	-1.70	19.92	<=33.01	Pass
			0	21.62	-1.70	19.92	<=33.01	Pass
		100	0	21.62	-1.70	19.92	<=33.01	Pass
			0	21.62	-1.70	19.92	<=33.01	Pass
			0	21.62	-1.70	19.92	<=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	-30.985	-0.0124	-2.5 to 2.5	Pass
					3.85	-31.042	-0.0124	-2.5 to 2.5	Pass
					4.43	-16.994	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-24.090	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-31.600	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	-9.084	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-16.308	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-23.689	-0.0095	-2.5 to 2.5	Pass
				30	3.85	7.610	0.0030	-2.5 to 2.5	Pass
				40	3.85	-29.740	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-27.423	-0.0108	-2.5 to 2.5	Pass
					3.85	-34.118	-0.0135	-2.5 to 2.5	Pass
					4.43	-37.951	-0.0150	-2.5 to 2.5	Pass
				-30	3.85	-24.991	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-28.739	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-7.968	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-20.013	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-16.880	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-48.923	-0.0193	-2.5 to 2.5	Pass
				40	3.85	-18.597	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-44.775	-0.0177	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-13.590	-0.0053	-2.5 to 2.5	Pass
					3.85	-9.141	-0.0036	-2.5 to 2.5	Pass
					4.43	-28.195	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-27.351	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-8.826	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-27.552	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-49.896	-0.0194	-2.5 to 2.5	Pass
				10	3.85	-23.160	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-36.993	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-34.890	-0.0136	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-24.204	-0.0097	-2.5 to 2.5	Pass
					3.85	12.732	0.0051	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	25.978	0.0104	-2.5 to 2.5	Pass
				-20	3.85	43.359	0.0173	-2.5 to 2.5	Pass
				-10	3.85	-8.140	-0.0033	-2.5 to 2.5	Pass
				0	3.85	6.108	0.0024	-2.5 to 2.5	Pass
				10	3.85	20.127	0.0080	-2.5 to 2.5	Pass
				30	3.85	37.365	0.0149	-2.5 to 2.5	Pass
				40	3.85	42.529	0.0170	-2.5 to 2.5	Pass
				50	3.85	20.871	0.0083	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-20.270	-0.0080	-2.5 to 2.5	Pass
					3.85	32.516	0.0128	-2.5 to 2.5	Pass
					4.43	35.806	0.0141	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	20.785	0.0082	-2.5 to 2.5	Pass
				-10	3.85	28.481	0.0112	-2.5 to 2.5	Pass

				0	3.85	31.729	0.0125	-2.5 to 2.5	Pass
				10	3.85	35.319	0.0139	-2.5 to 2.5	Pass
				30	3.85	-8.054	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-4.835	-0.0019	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0003	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-8.340	-0.0032	-2.5 to 2.5	Pass
					3.85	45.347	0.0177	-2.5 to 2.5	Pass
					4.43	39.539	0.0154	-2.5 to 2.5	Pass
				-30	3.85	20.957	0.0082	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	18.411	0.0072	-2.5 to 2.5	Pass
				0	3.85	35.334	0.0138	-2.5 to 2.5	Pass
				10	3.85	13.590	0.0053	-2.5 to 2.5	Pass
				30	3.85	18.325	0.0071	-2.5 to 2.5	Pass
				40	3.85	29.526	0.0115	-2.5 to 2.5	Pass
				50	3.85	29.683	0.0116	-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	-28.024	-0.0112	-2.5 to 2.5	Pass
					3.85	-24.276	-0.0097	-2.5 to 2.5	Pass
					4.43	-38.624	-0.0154	-2.5 to 2.5	Pass
				-30	3.85	-33.631	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-13.332	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-34.289	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-24.419	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-19.398	-0.0077	-2.5 to 2.5	Pass
				30	3.85	4.463	0.0018	-2.5 to 2.5	Pass
				40	3.85	-15.793	-0.0063	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-28.095	-0.0111	-2.5 to 2.5	Pass
					3.85	-31.085	-0.0123	-2.5 to 2.5	Pass
					4.43	-33.817	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-28.324	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-33.259	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-8.898	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-23.947	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-19.884	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-27.509	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-11.458	-0.0045	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-17.867	-0.0070	-2.5 to 2.5	Pass
					3.85	-10.901	0.0042	-2.5 to 2.5	Pass
					4.43	-29.340	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-33.460	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-29.383	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-17.424	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-36.120	-0.0141	-2.5 to 2.5	Pass
				10	3.85	-17.796	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-9.427	-0.0037	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-13.533	-0.0053	-2.5 to 2.5	Pass
					3.85	-27.294	-0.0106	-2.5 to 2.5	Pass
					4.43	12.946	0.0052	-2.5 to 2.5	Pass
				20	3.85	34.218	0.0137	-2.5 to 2.5	Pass
					4.43	-7.095	-0.0028	-2.5 to 2.5	Pass

				-30	3.85	27.766	0.0111	-2.5 to 2.5	Pass
				-20	3.85	13.947	0.0056	-2.5 to 2.5	Pass
				-10	3.85	24.977	0.0100	-2.5 to 2.5	Pass
				0	3.85	21.944	0.0088	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				30	3.85	16.208	0.0065	-2.5 to 2.5	Pass
				40	3.85	25.978	0.0104	-2.5 to 2.5	Pass
				50	3.85	30.112	0.0120	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	14.520	0.0057	-2.5 to 2.5	Pass
					3.85	4.606	0.0018	-2.5 to 2.5	Pass
					4.43	27.838	0.0110	-2.5 to 2.5	Pass
				-30	3.85	35.634	0.0141	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	10.071	0.0040	-2.5 to 2.5	Pass
				0	3.85	28.224	0.0111	-2.5 to 2.5	Pass
				10	3.85	10.142	0.0040	-2.5 to 2.5	Pass
				30	3.85	11.959	0.0047	-2.5 to 2.5	Pass
				40	3.85	9.012	0.0036	-2.5 to 2.5	Pass
				50	3.85	18.640	0.0074	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	15.779	0.0062	-2.5 to 2.5	Pass
					3.85	12.646	0.0049	-2.5 to 2.5	Pass
					4.43	35.806	0.0140	-2.5 to 2.5	Pass
				-30	3.85	21.200	0.0083	-2.5 to 2.5	Pass
				-20	3.85	9.055	0.0035	-2.5 to 2.5	Pass
				-10	3.85	32.644	0.0127	-2.5 to 2.5	Pass
				0	3.85	41.986	0.0164	-2.5 to 2.5	Pass
				10	3.85	35.105	0.0137	-2.5 to 2.5	Pass
				30	3.85	20.914	0.0082	-2.5 to 2.5	Pass
				40	3.85	29.469	0.0115	-2.5 to 2.5	Pass
				50	3.85	36.049	0.0141	-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	-27.251	-0.0109	-2.5 to 2.5	Pass
					3.85	-25.678	-0.0102	-2.5 to 2.5	Pass
					4.43	-24.490	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-17.152	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-26.894	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-14.076	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-18.396	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-27.723	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-29.254	-0.0117	-2.5 to 2.5	Pass
				50	3.85	9.828	0.0039	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-27.652	-0.0109	-2.5 to 2.5	Pass
					3.85	-24.405	-0.0096	-2.5 to 2.5	Pass
					4.43	-24.590	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-14.606	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-17.037	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-16.608	-0.0066	-2.5 to 2.5	Pass
				0	3.85	12.517	0.0049	-2.5 to 2.5	Pass
				10	3.85	-20.199	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-14.277	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-22.988	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-22.073	-0.0087	-2.5 to 2.5	Pass

	2562.5	75	0	20	3.27	-19.426	-0.0076	-2.5 to 2.5	Pass
					3.85	-14.005	-0.0055	-2.5 to 2.5	Pass
					4.43	-29.140	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-25.563	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-32.372	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	4.892	0.0019	-2.5 to 2.5	Pass
				0	3.85	-6.924	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-25.878	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-16.780	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-9.298	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-14.591	-0.0057	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	28.195	0.0112	-2.5 to 2.5	Pass
					3.85	28.796	0.0115	-2.5 to 2.5	Pass
					4.43	8.612	0.0034	-2.5 to 2.5	Pass
				-30	3.85	12.560	0.0050	-2.5 to 2.5	Pass
				-20	3.85	12.875	0.0051	-2.5 to 2.5	Pass
				-10	3.85	28.253	0.0113	-2.5 to 2.5	Pass
				0	3.85	36.650	0.0146	-2.5 to 2.5	Pass
				10	3.85	29.583	0.0118	-2.5 to 2.5	Pass
				30	3.85	23.489	0.0094	-2.5 to 2.5	Pass
				40	3.85	19.712	0.0079	-2.5 to 2.5	Pass
				50	3.85	35.291	0.0141	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	8.798	0.0035	-2.5 to 2.5	Pass
					3.85	32.916	0.0130	-2.5 to 2.5	Pass
					4.43	13.275	0.0052	-2.5 to 2.5	Pass
				-30	3.85	30.971	0.0122	-2.5 to 2.5	Pass
				-20	3.85	23.561	0.0093	-2.5 to 2.5	Pass
				-10	3.85	40.884	0.0161	-2.5 to 2.5	Pass
				0	3.85	19.197	0.0076	-2.5 to 2.5	Pass
				10	3.85	43.087	0.0170	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	34.261	0.0134	-2.5 to 2.5	Pass
					3.85	23.832	0.0093	-2.5 to 2.5	Pass
					4.43	36.650	0.0143	-2.5 to 2.5	Pass
				-30	3.85	24.319	0.0095	-2.5 to 2.5	Pass
				-20	3.85	16.007	0.0062	-2.5 to 2.5	Pass
				-10	3.85	25.764	0.0101	-2.5 to 2.5	Pass
				0	3.85	34.304	0.0134	-2.5 to 2.5	Pass
				10	3.85	40.355	0.0157	-2.5 to 2.5	Pass
				30	3.85	-12.431	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.317	-0.0009	-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	-28.124	-0.0112	-2.5 to 2.5	Pass
					3.85	-23.489	-0.0094	-2.5 to 2.5	Pass
					4.43	-29.969	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-25.764	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-20.714	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	11.230	0.0045	-2.5 to 2.5	Pass
				0	3.85	-32.873	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0029	-2.5 to 2.5	Pass

				30	3.85	-24.834	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-22.430	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-30.184	-0.0120	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-30.098	-0.0119	-2.5 to 2.5	Pass
					3.85	-32.172	-0.0127	-2.5 to 2.5	Pass
					4.43	-18.139	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-17.481	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-9.570	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-13.375	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-35.276	-0.0139	-2.5 to 2.5	Pass
				10	3.85	-31.343	-0.0124	-2.5 to 2.5	Pass
				30	3.85	-12.832	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-14.820	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-31.414	-0.0124	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-36.879	-0.0144	-2.5 to 2.5	Pass
					3.85	-20.499	-0.0080	-2.5 to 2.5	Pass
					4.43	-20.585	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-40.784	-0.0159	-2.5 to 2.5	Pass
				-20	3.85	-17.352	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-30.642	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-42.028	-0.0164	-2.5 to 2.5	Pass
				10	3.85	-17.867	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-35.191	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-4.120	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-26.350	-0.0103	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	30.313	0.0121	-2.5 to 2.5	Pass
					3.85	24.405	0.0097	-2.5 to 2.5	Pass
					4.43	40.283	0.0160	-2.5 to 2.5	Pass
				-30	3.85	42.472	0.0169	-2.5 to 2.5	Pass
				-20	3.85	8.926	0.0036	-2.5 to 2.5	Pass
				-10	3.85	31.486	0.0125	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0004	-2.5 to 2.5	Pass
				10	3.85	14.219	0.0057	-2.5 to 2.5	Pass
				30	3.85	28.067	0.0112	-2.5 to 2.5	Pass
				40	3.85	32.129	0.0128	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	33.388	0.0132	-2.5 to 2.5	Pass
					3.85	23.274	0.0092	-2.5 to 2.5	Pass
					4.43	22.073	0.0087	-2.5 to 2.5	Pass
				-30	3.85	20.099	0.0079	-2.5 to 2.5	Pass
				-20	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	16.565	0.0065	-2.5 to 2.5	Pass
				0	3.85	32.215	0.0127	-2.5 to 2.5	Pass
				10	3.85	37.508	0.0148	-2.5 to 2.5	Pass
				30	3.85	39.940	0.0158	-2.5 to 2.5	Pass
				40	3.85	8.268	0.0033	-2.5 to 2.5	Pass
				50	3.85	29.340	0.0116	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	43.345	0.0169	-2.5 to 2.5	Pass
					3.85	32.473	0.0127	-2.5 to 2.5	Pass
					4.43	-1.860	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	37.594	0.0147	-2.5 to 2.5	Pass
				-20	3.85	22.259	0.0087	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				0	3.85	16.394	0.0064	-2.5 to 2.5	Pass
				10	3.85	25.163	0.0098	-2.5 to 2.5	Pass
				30	3.85	22.044	0.0086	-2.5 to 2.5	Pass
				40	3.85	25.663	0.0100	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0039	-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

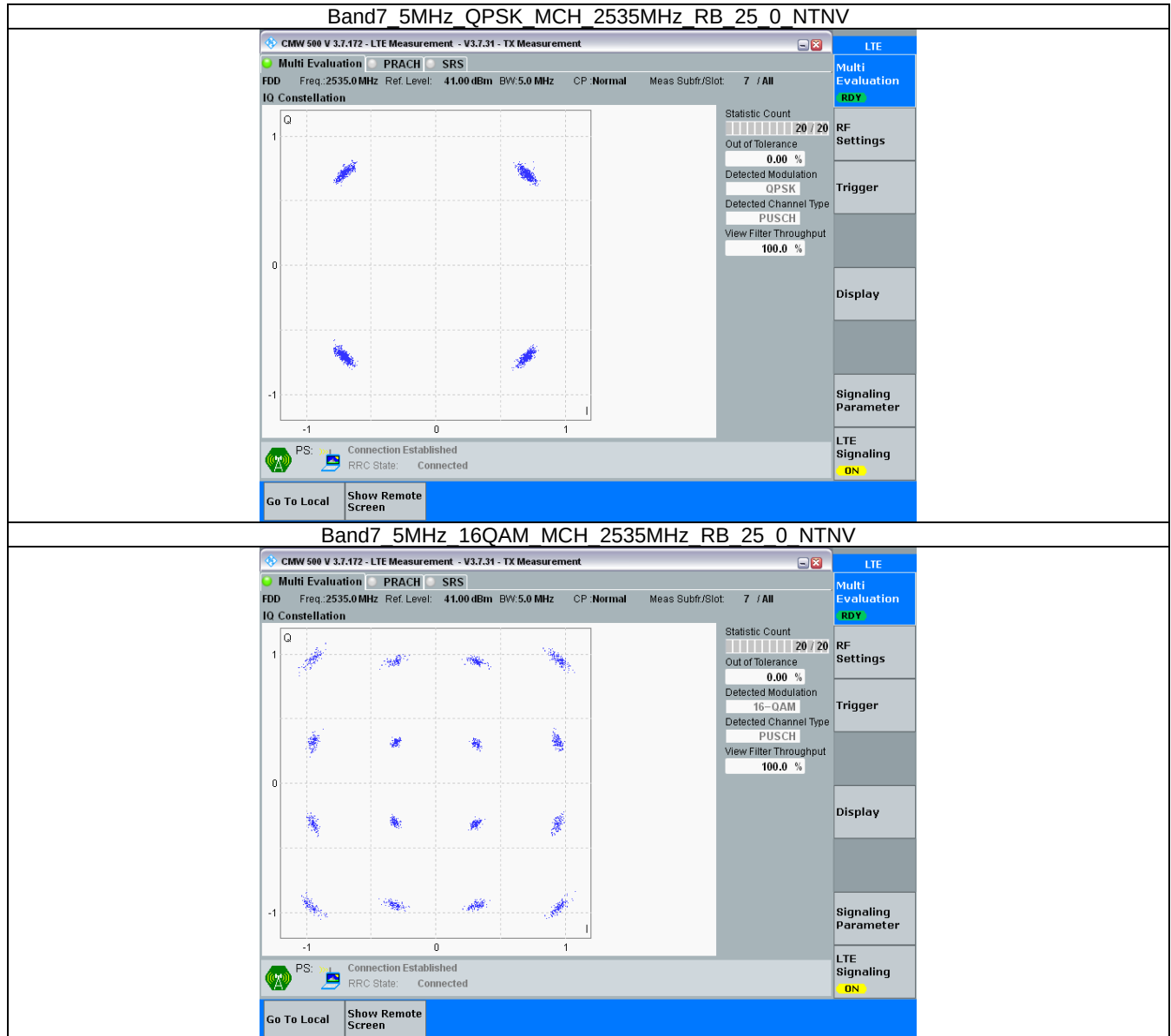
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.1.4 B7_20MHz

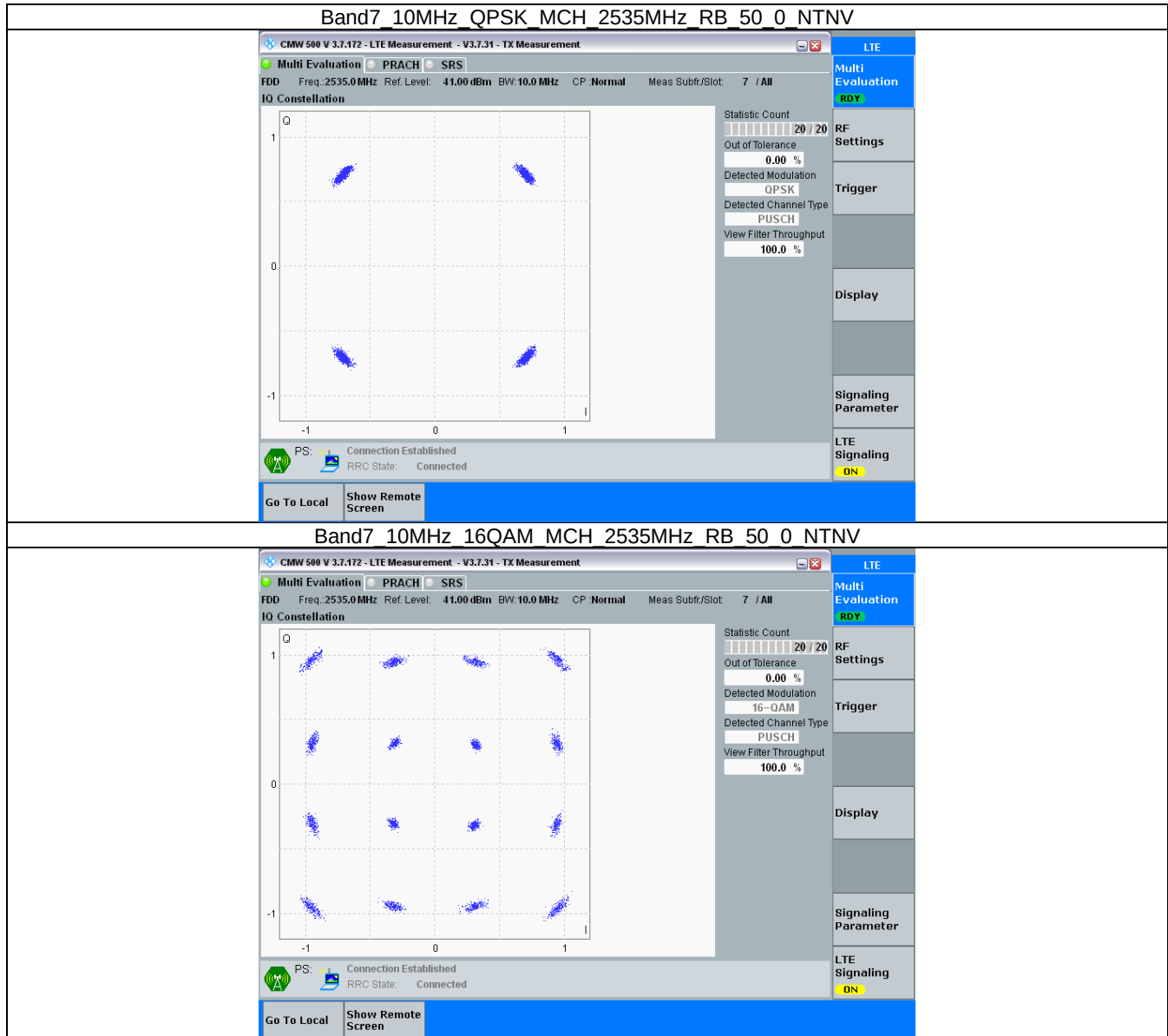
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

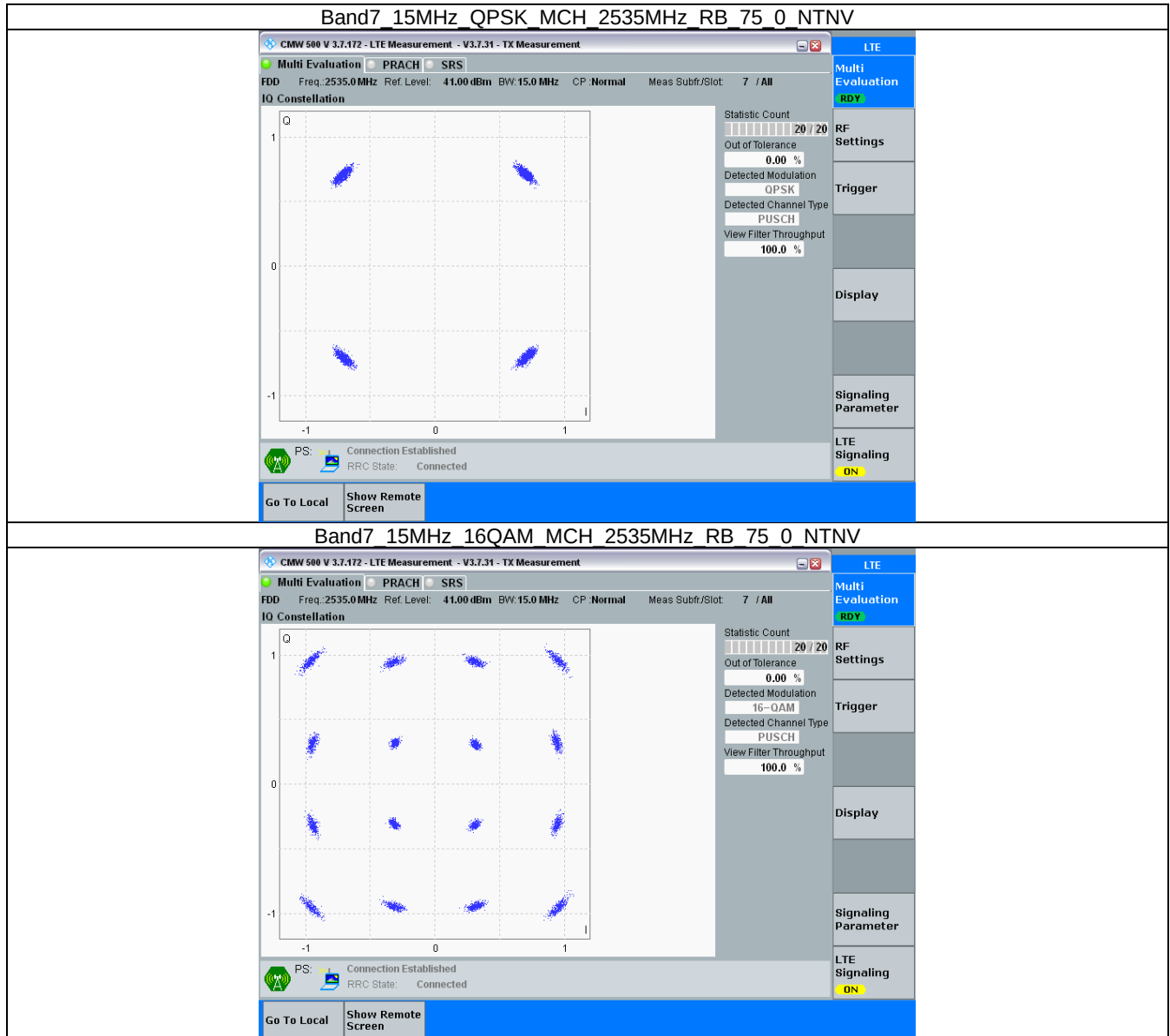
3.2.1 B7_5MHz



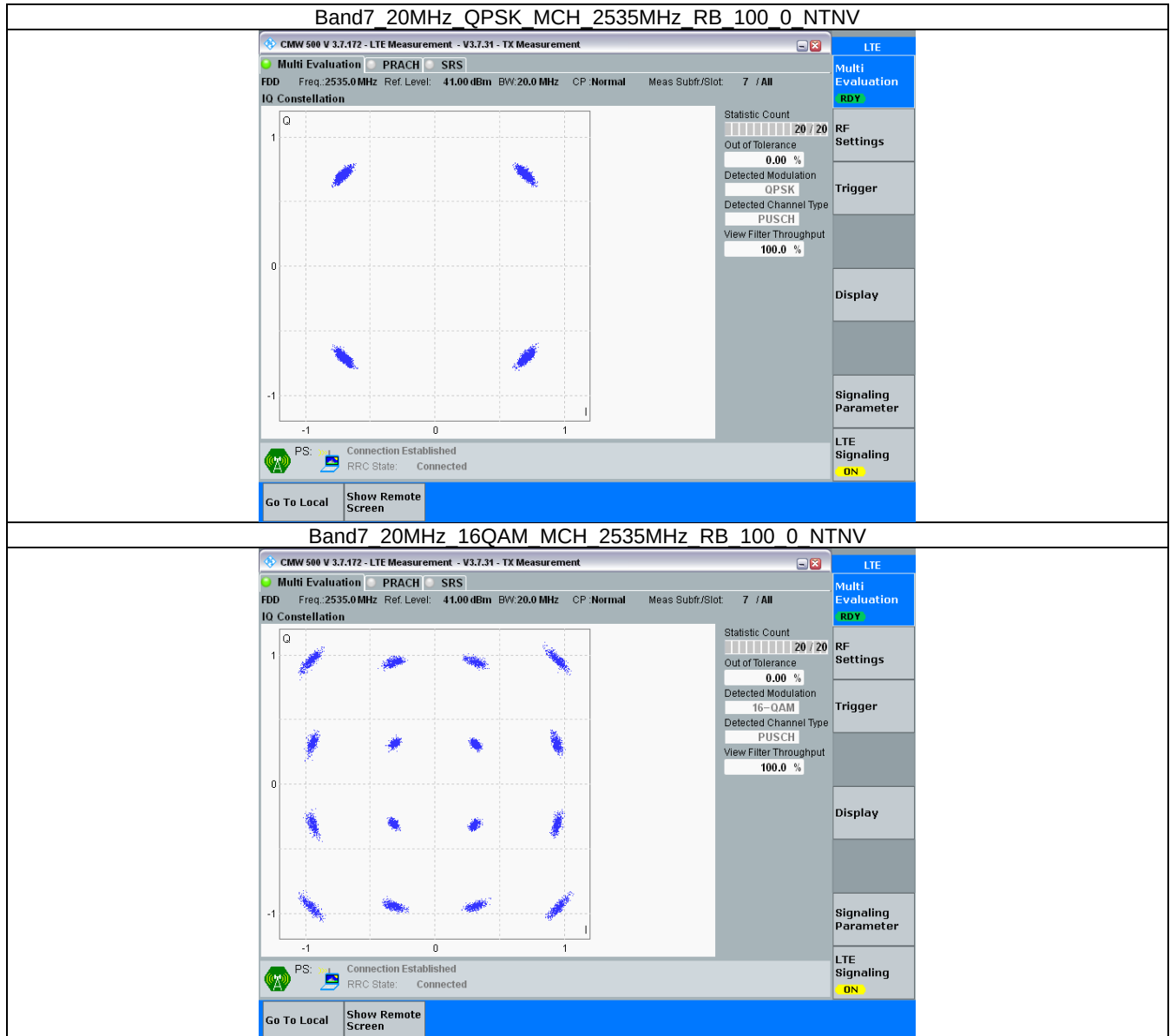
3.2.2 B7_10MHz



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	4.547	/	Pass
		2535	25	0	4.552	/	Pass
		2567.5	25	0	4.574	/	Pass
	16QAM	2502.5	25	0	4.577	/	Pass
		2535	25	0	4.579	/	Pass
		2567.5	25	0	4.554	/	Pass
10	QPSK	2505	50	0	9.074	/	Pass
		2535	50	0	9.083	/	Pass
		2565	50	0	9.041	/	Pass
	16QAM	2505	50	0	9.089	/	Pass
		2535	50	0	9.087	/	Pass
		2565	50	0	9.077	/	Pass
15	QPSK	2507.5	75	0	13.591	/	Pass
		2535	75	0	13.604	/	Pass
		2562.5	75	0	13.611	/	Pass
	16QAM	2507.5	75	0	13.594	/	Pass
		2535	75	0	13.621	/	Pass
		2562.5	75	0	13.662	/	Pass
20	QPSK	2510	100	0	18.145	/	Pass
		2535	100	0	18.214	/	Pass
		2560	100	0	18.142	/	Pass
	16QAM	2510	100	0	18.153	/	Pass
		2535	100	0	18.171	/	Pass
		2560	100	0	18.167	/	Pass

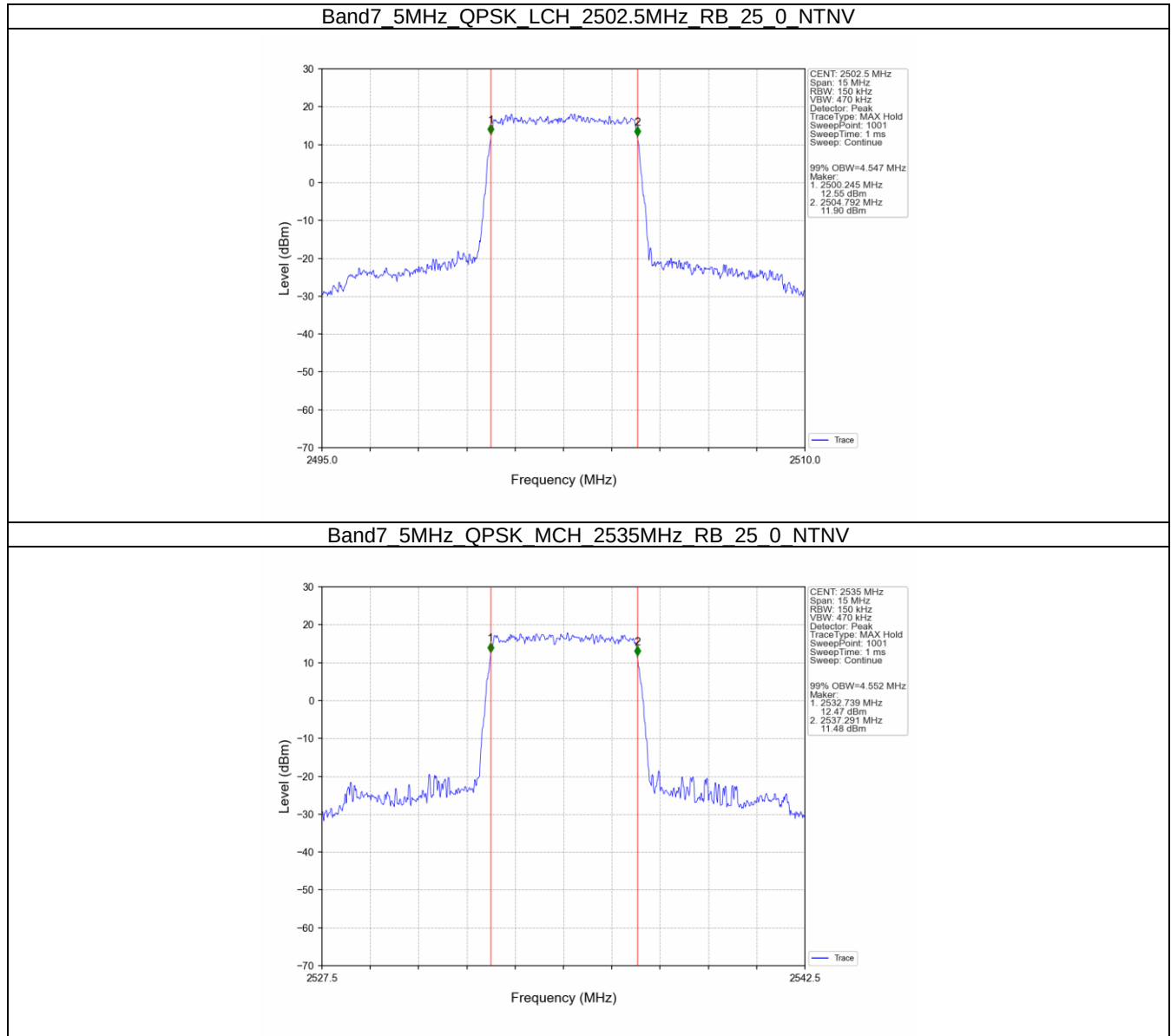
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.053	/	Pass
		2535	25	0	5.080	/	Pass
		2567.5	25	0	5.047	/	Pass
	16QAM	2502.5	25	0	5.066	/	Pass
		2535	25	0	5.062	/	Pass
		2567.5	25	0	5.063	/	Pass
10	QPSK	2505	50	0	10.011	/	Pass
		2535	50	0	10.023	/	Pass
		2565	50	0	10.012	/	Pass
	16QAM	2505	50	0	10.030	/	Pass
		2535	50	0	10.093	/	Pass
		2565	50	0	10.053	/	Pass
15	QPSK	2507.5	75	0	15.127	/	Pass
		2535	75	0	15.136	/	Pass
		2562.5	75	0	15.127	/	Pass

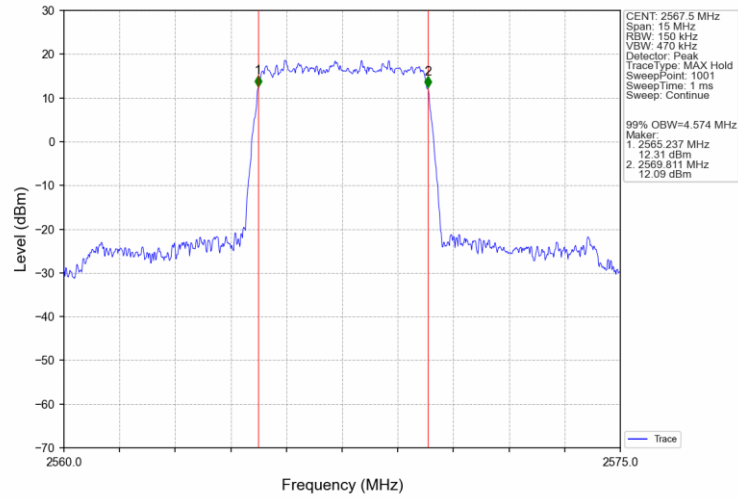
20	16QAM	2507.5	75	0	15.247	/	Pass
		2535	75	0	15.107	/	Pass
		2562.5	75	0	15.167	/	Pass
	QPSK	2510	100	0	19.857	/	Pass
		2535	100	0	19.983	/	Pass
		2560	100	0	20.061	/	Pass
	16QAM	2510	100	0	19.936	/	Pass
		2535	100	0	20.099	/	Pass
		2560	100	0	20.146	/	Pass

4.2 Test Graph

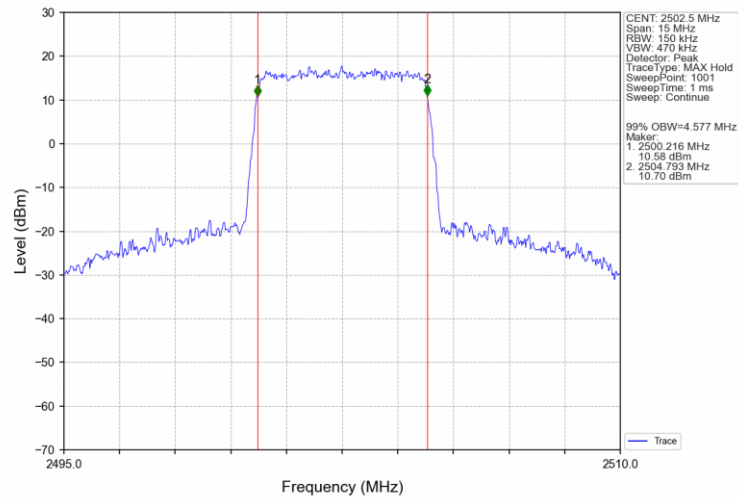
4.2.1 Band7_OBW



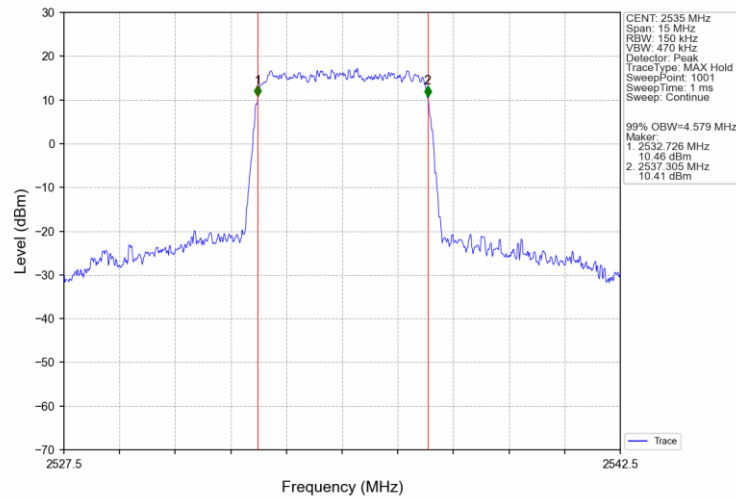
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



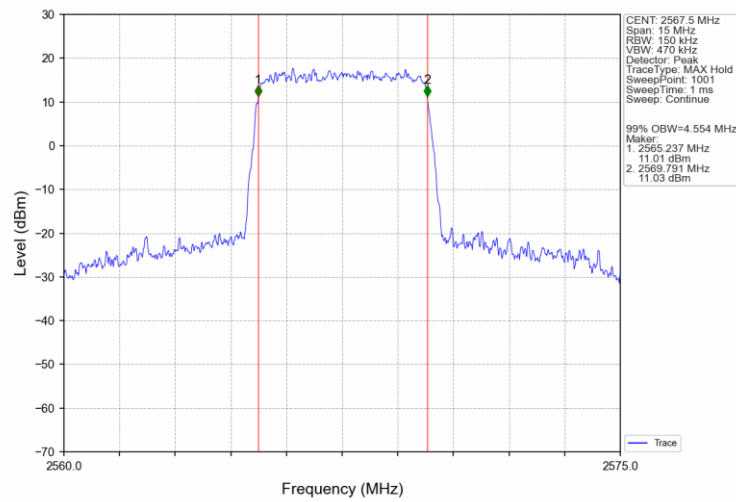
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



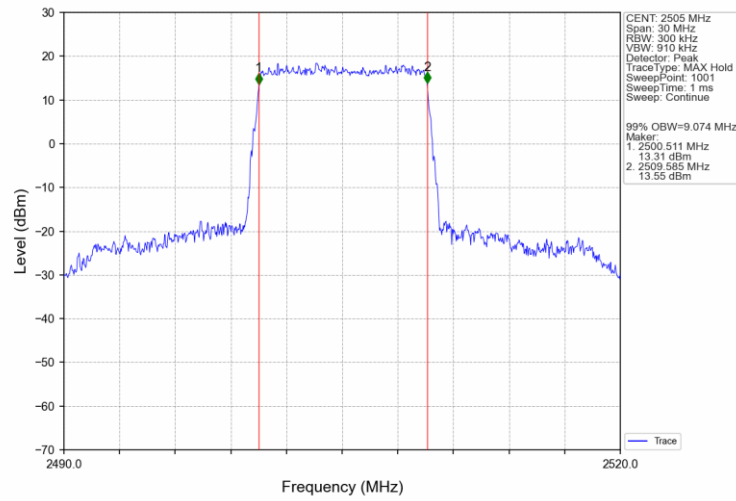
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



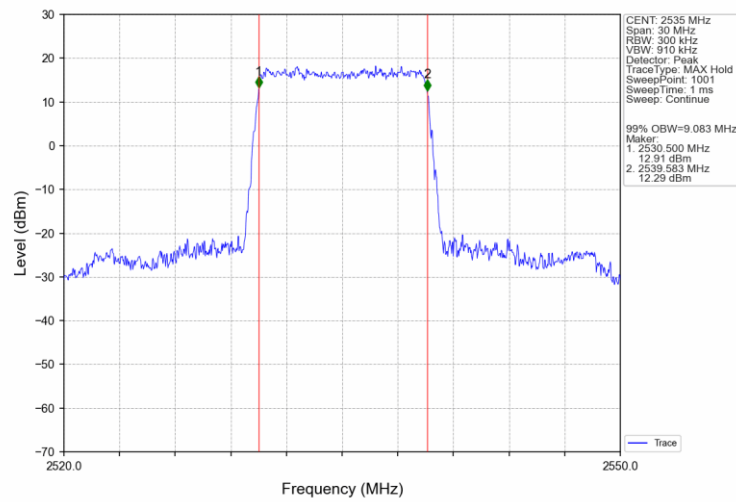
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



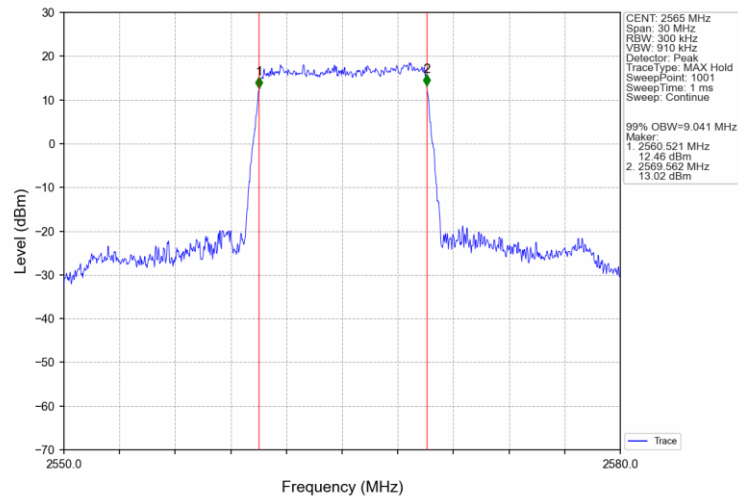
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



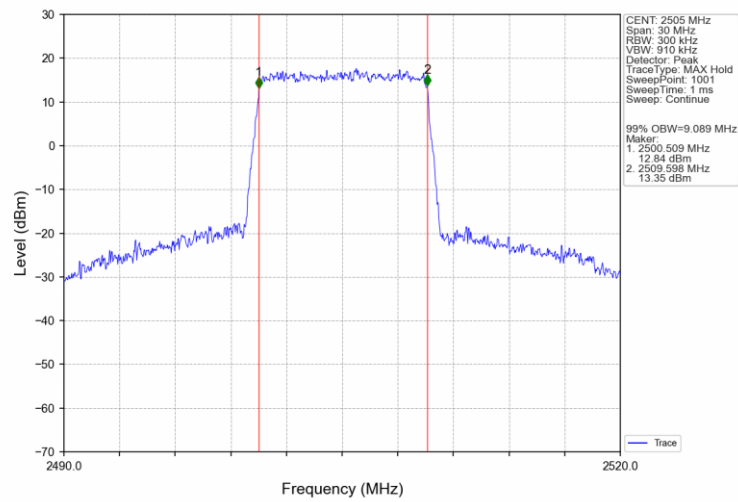
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



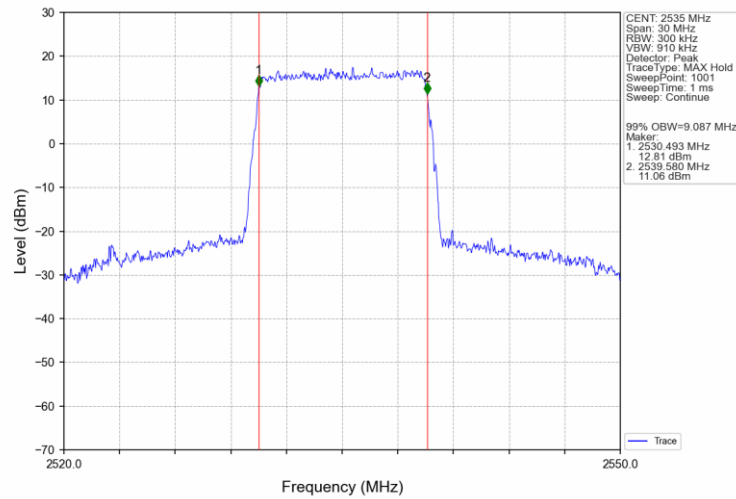
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



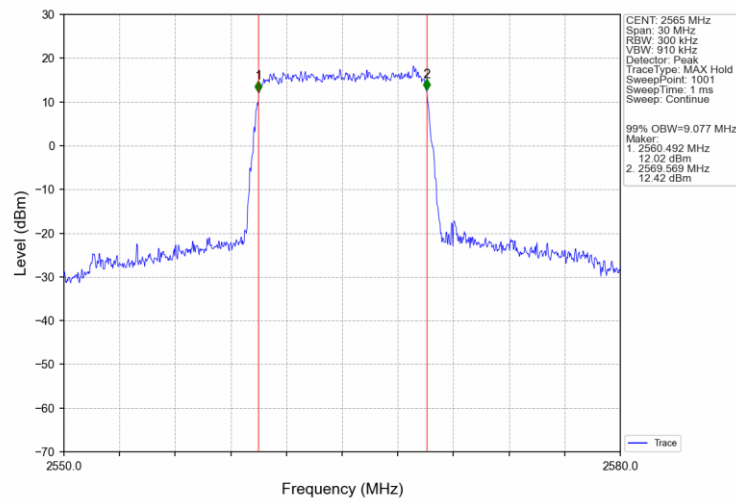
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



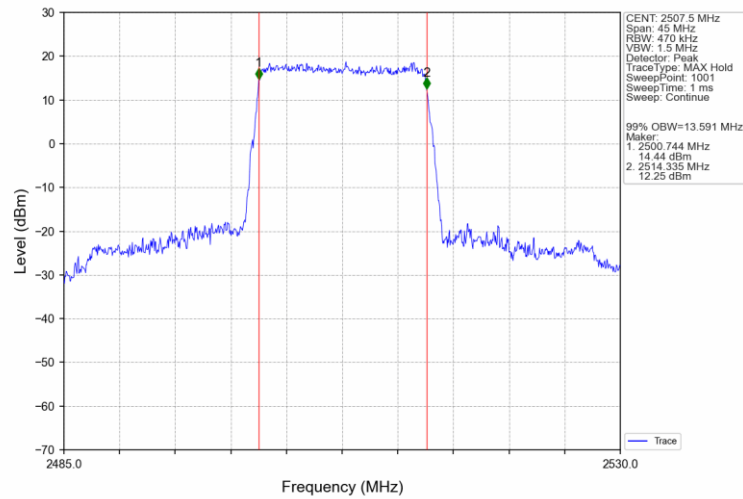
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



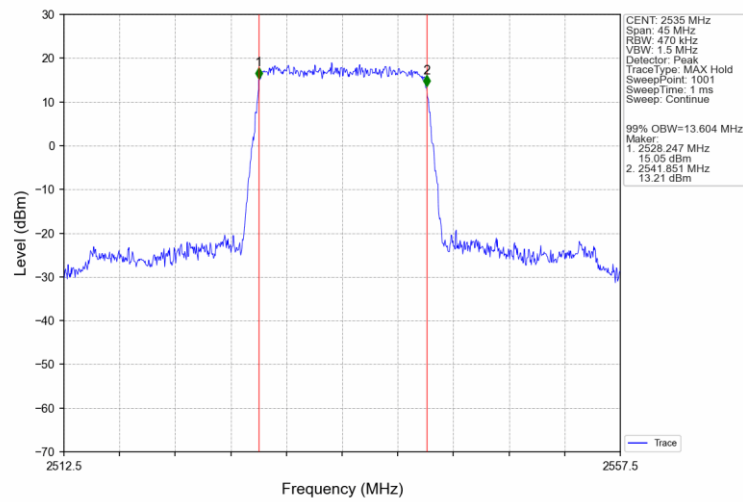
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



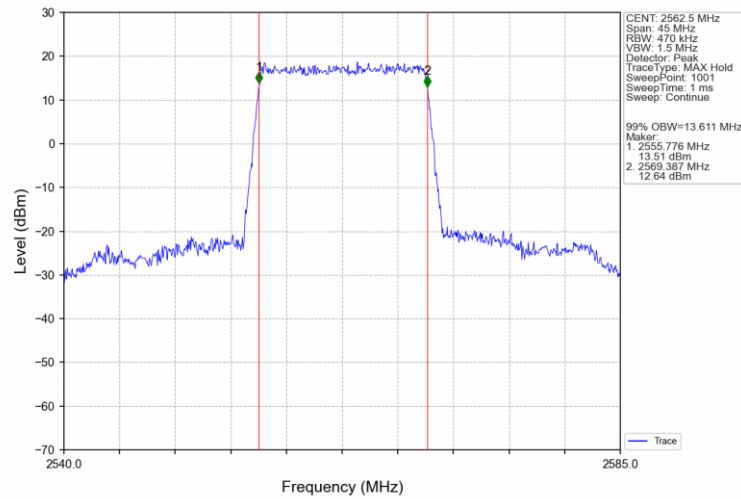
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



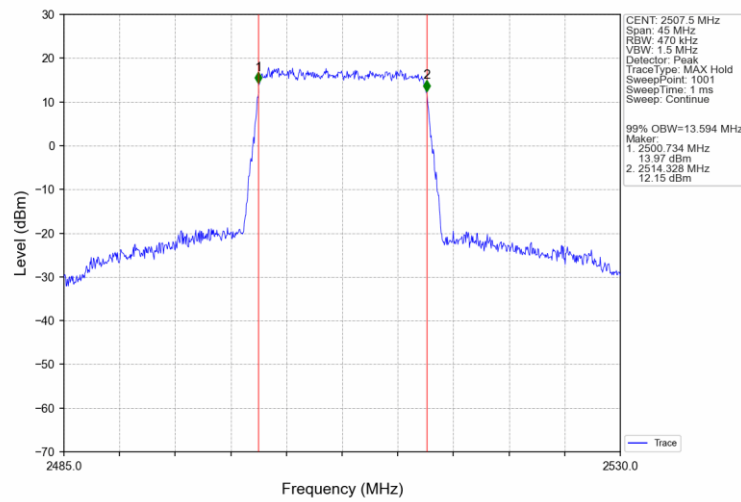
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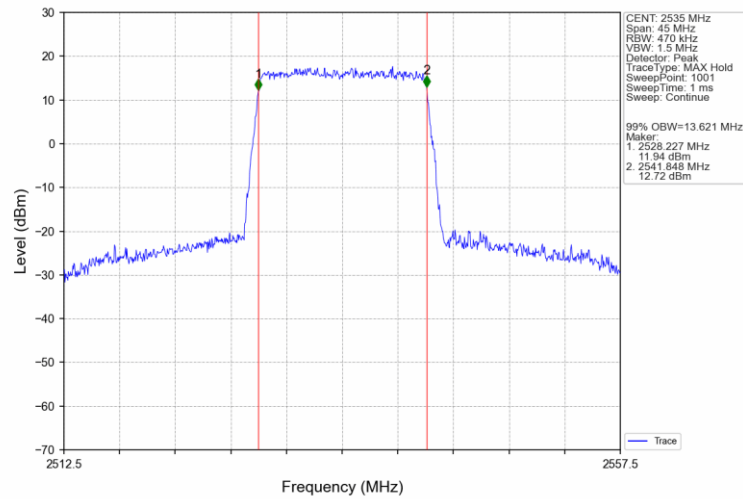
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



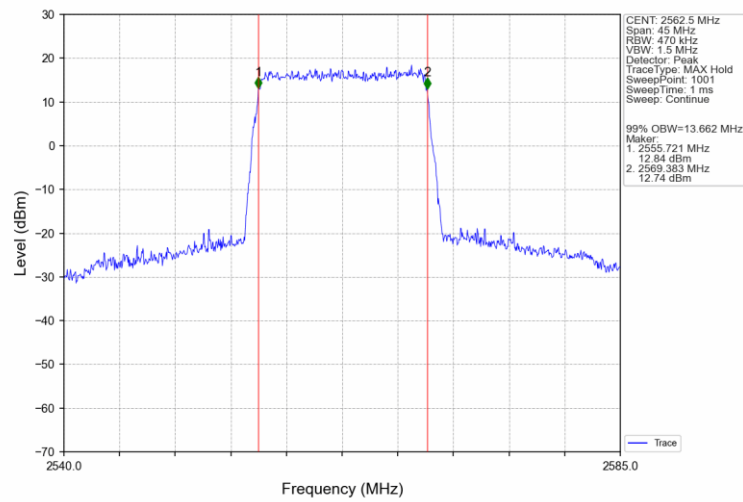
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



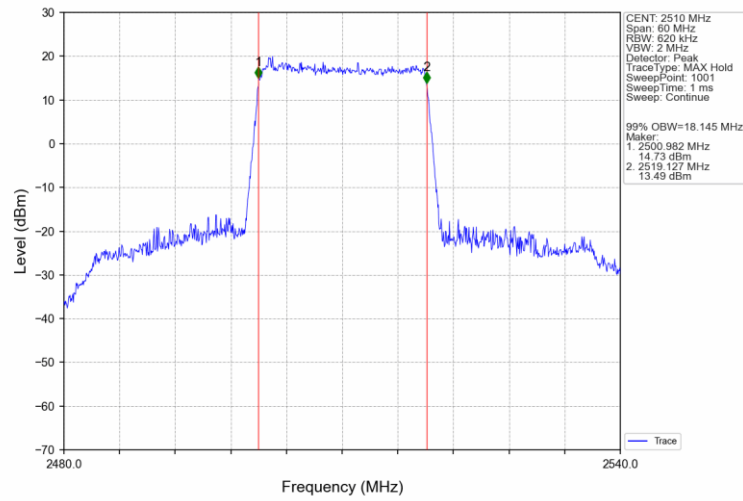
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



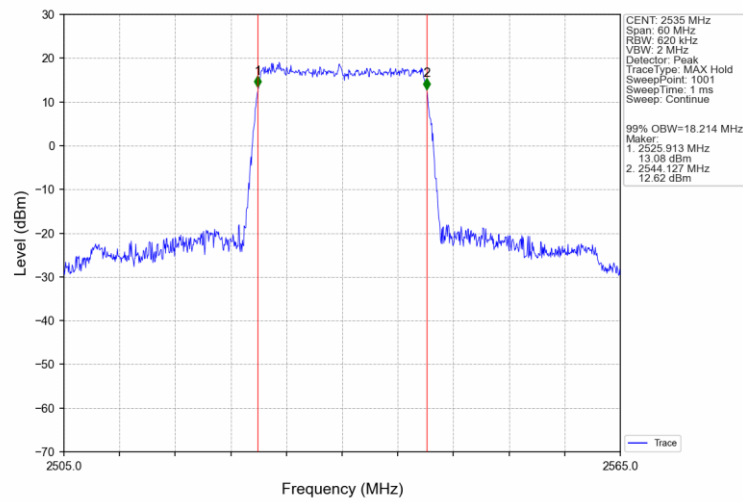
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



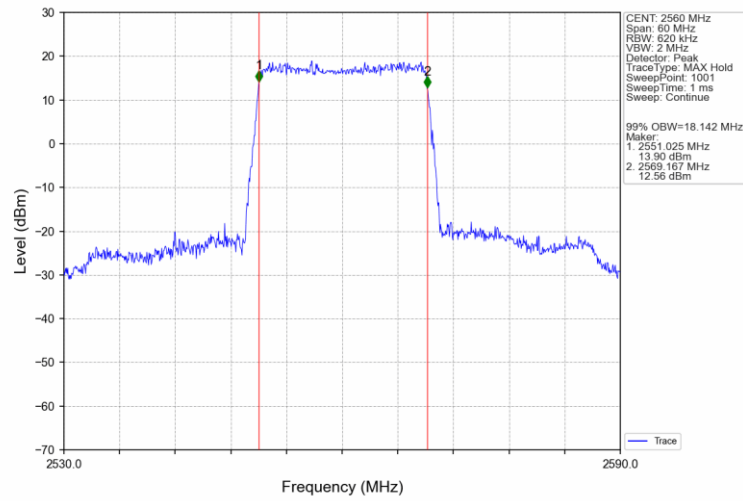
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



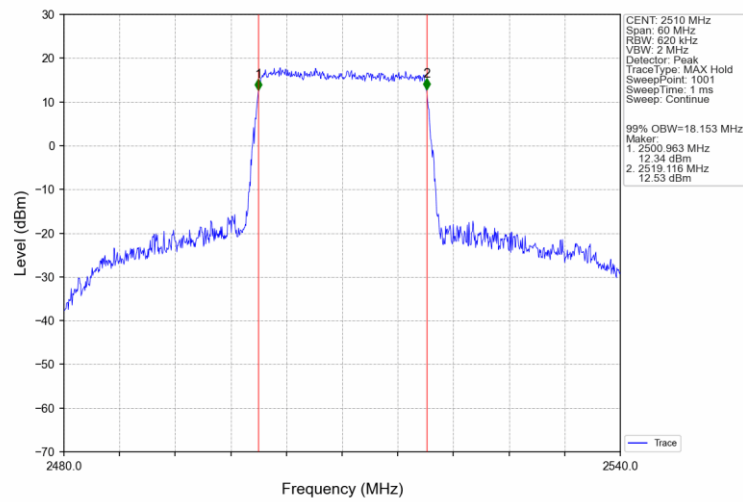
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



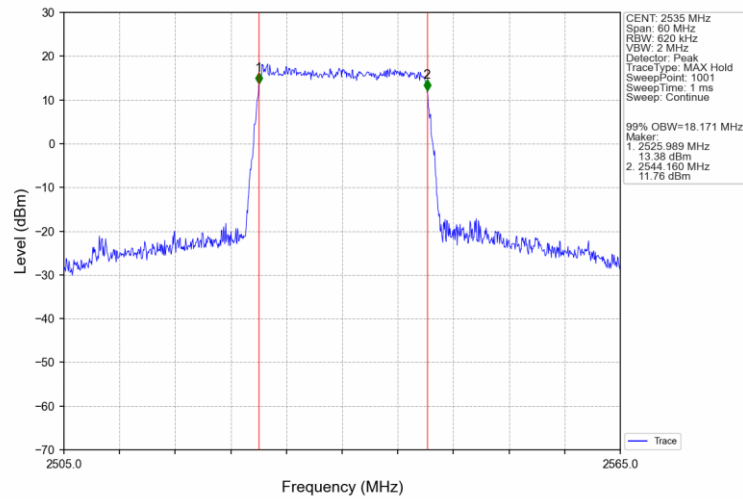
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



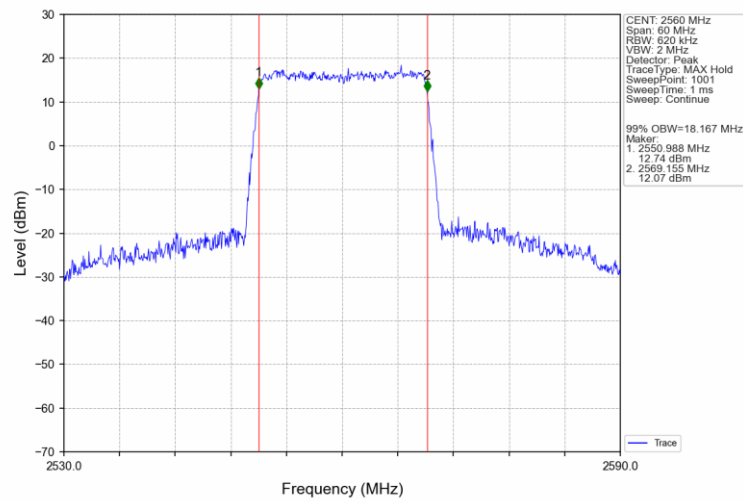
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

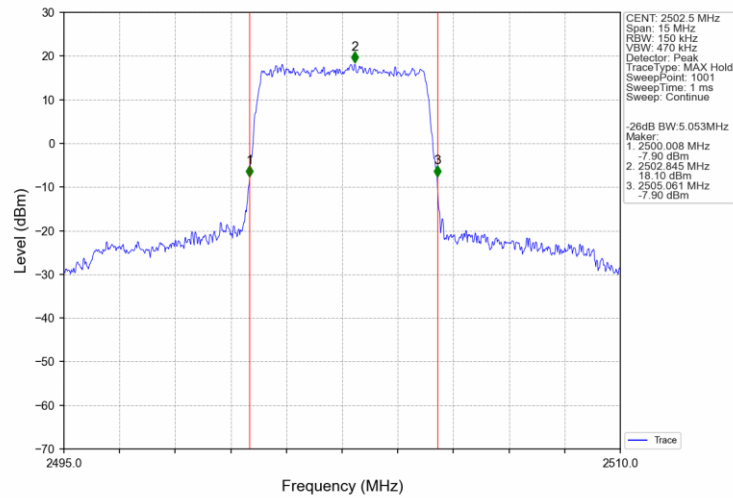


Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

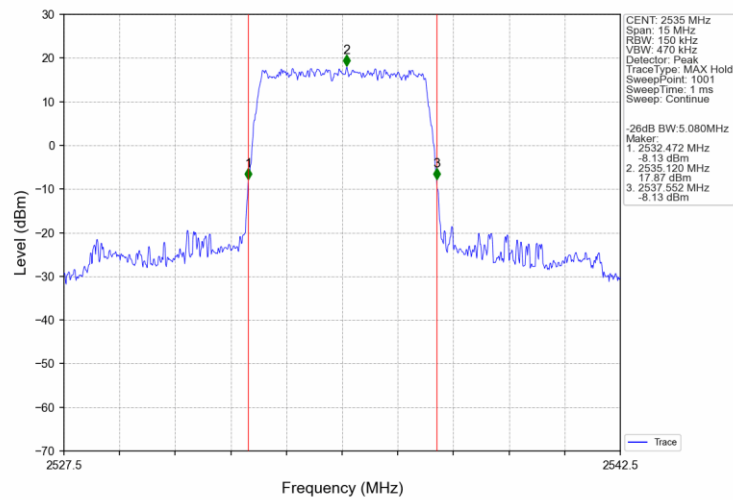


4.2.2 Band7_XDB

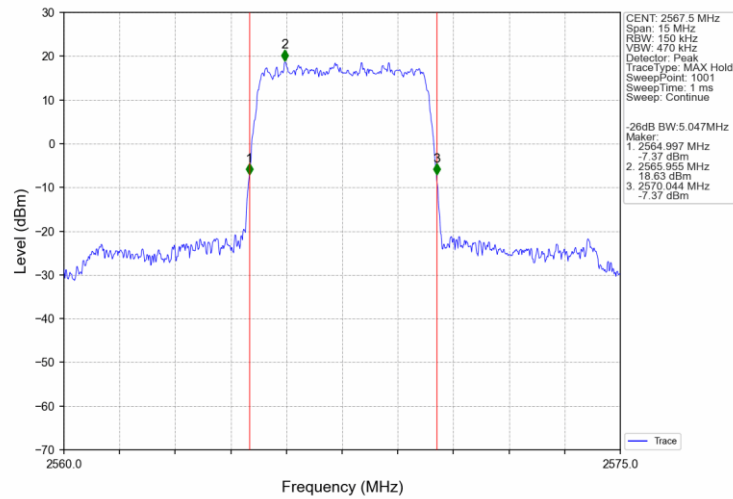
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV



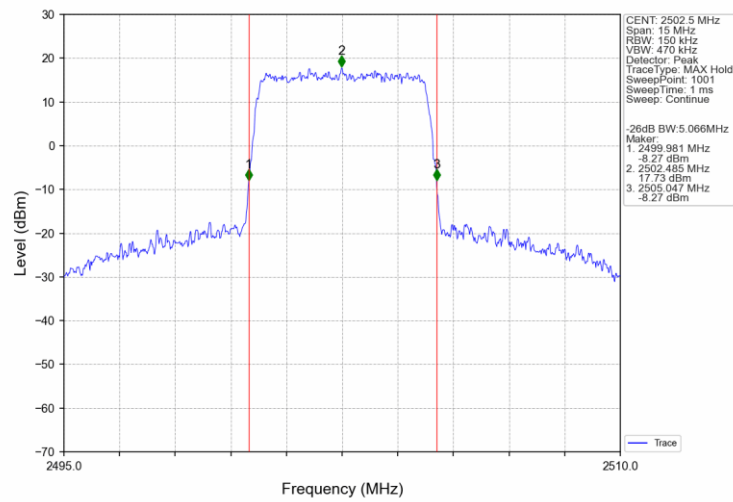
Band7 5MHz QPSK MCH 2535MHz RB 25 0 NTNV



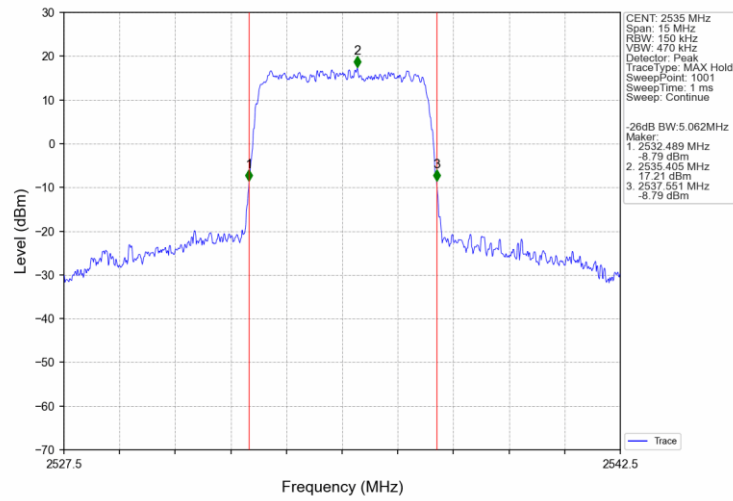
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



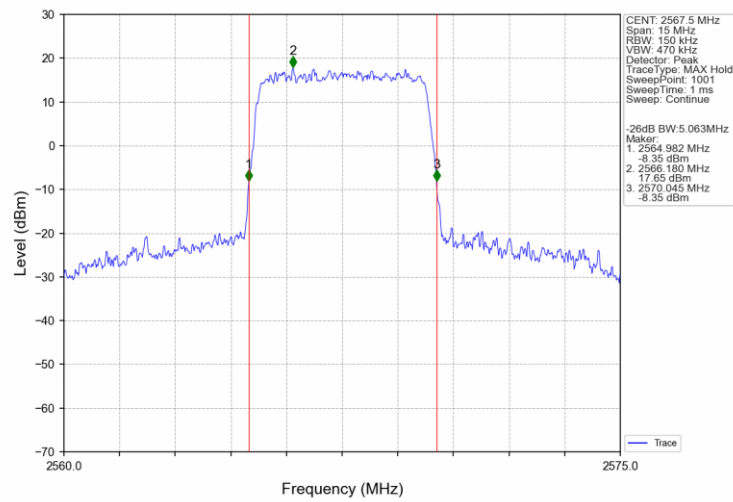
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



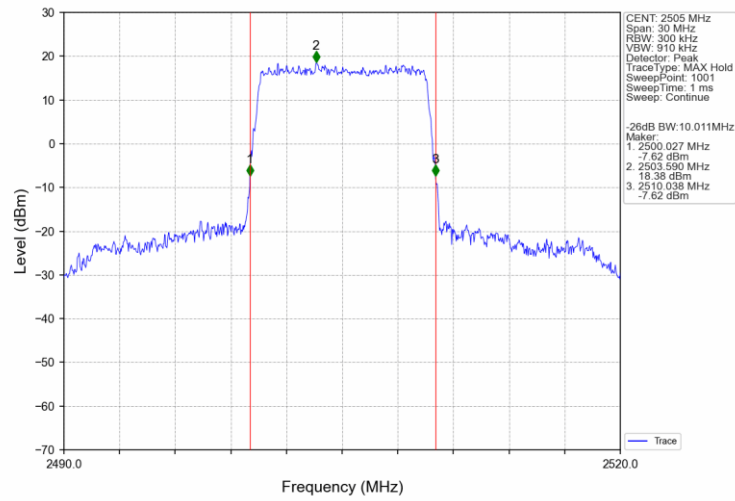
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



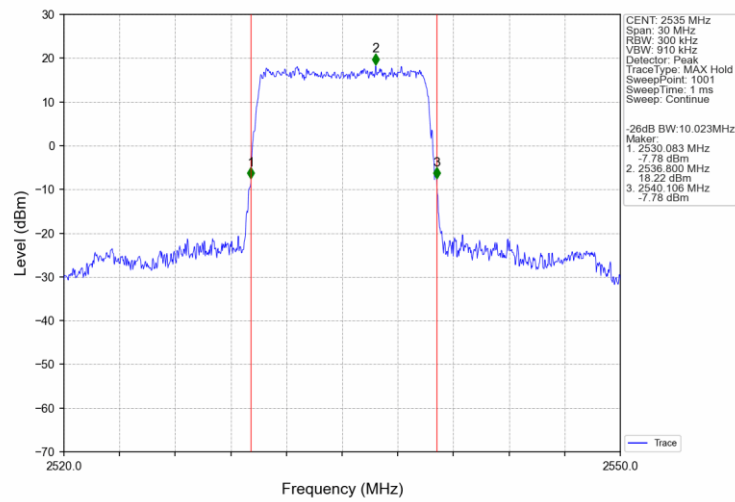
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



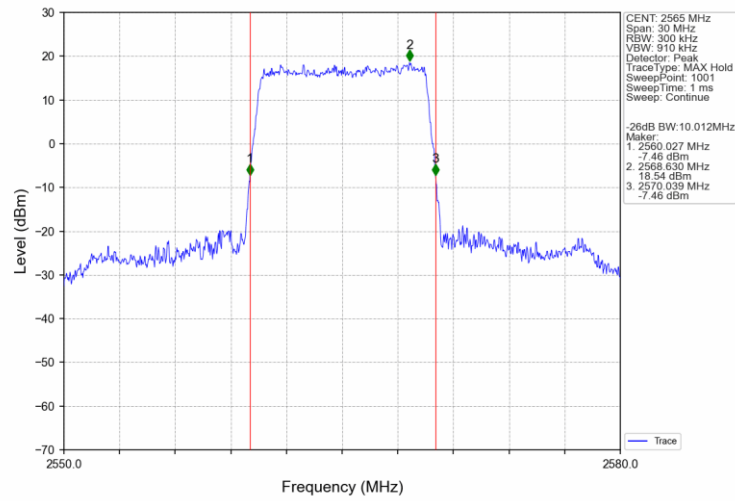
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



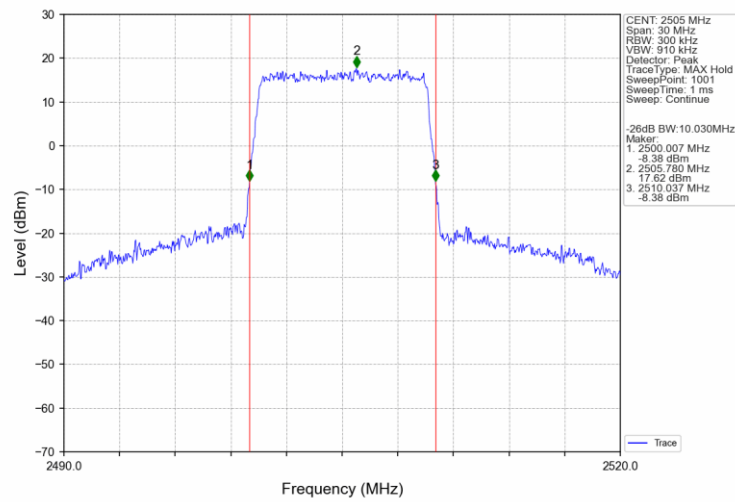
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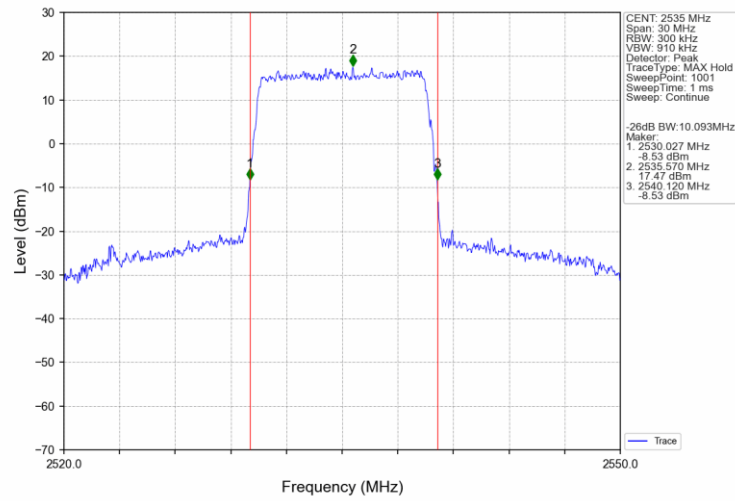
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



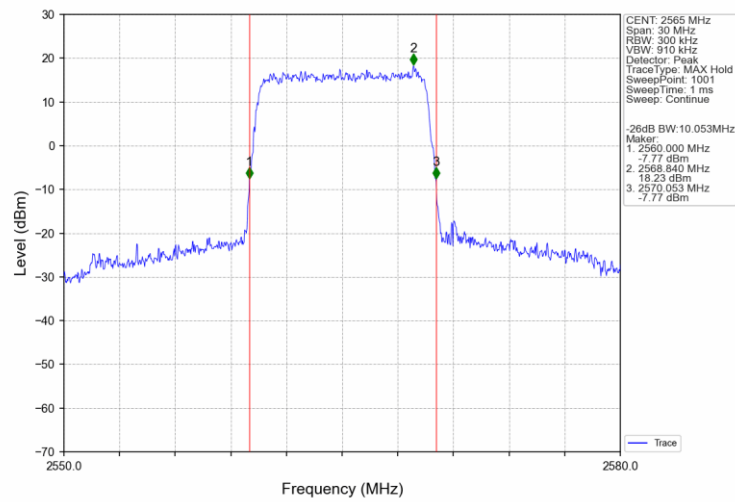
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



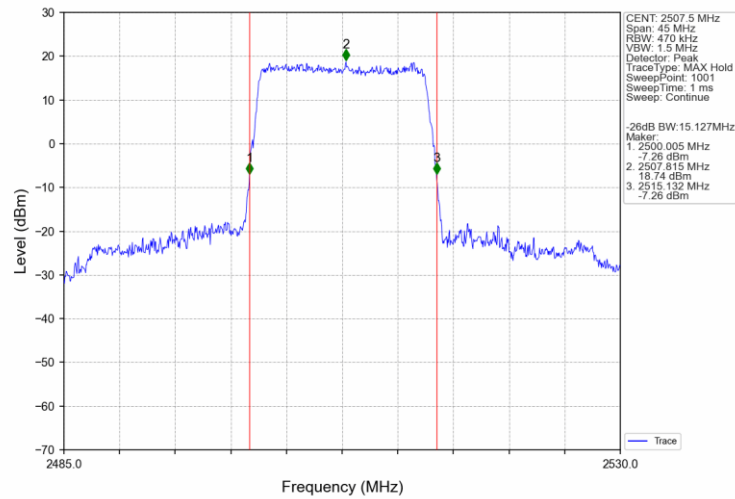
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



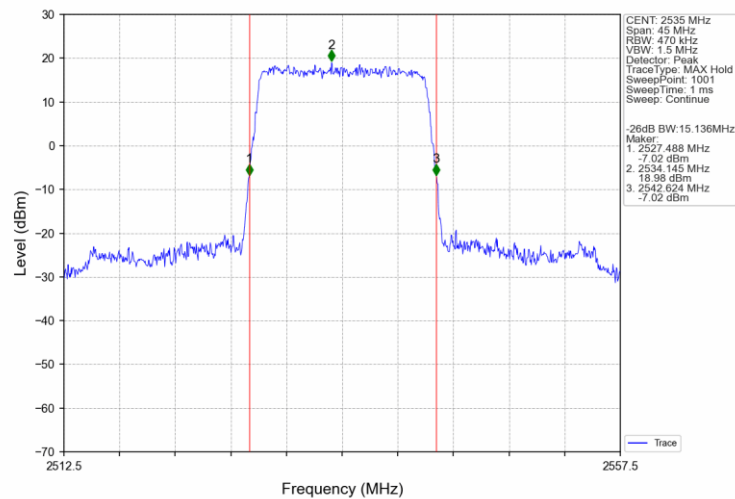
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



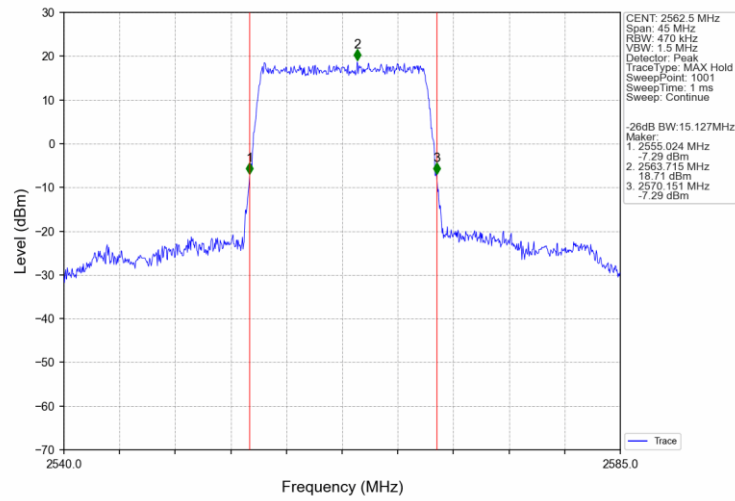
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



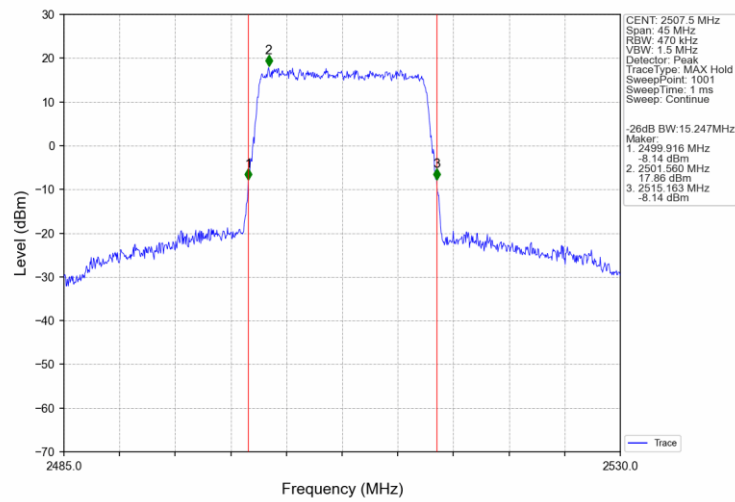
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



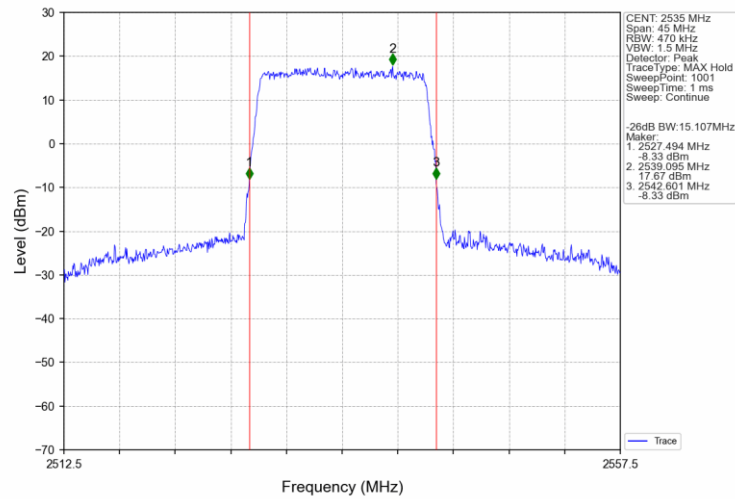
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



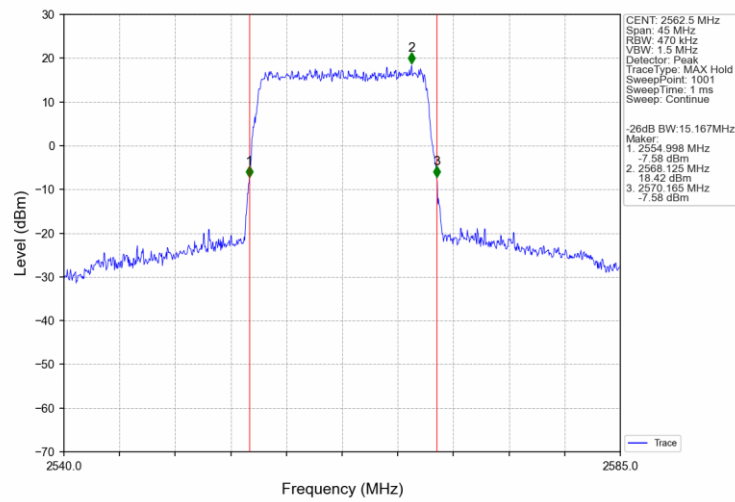
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



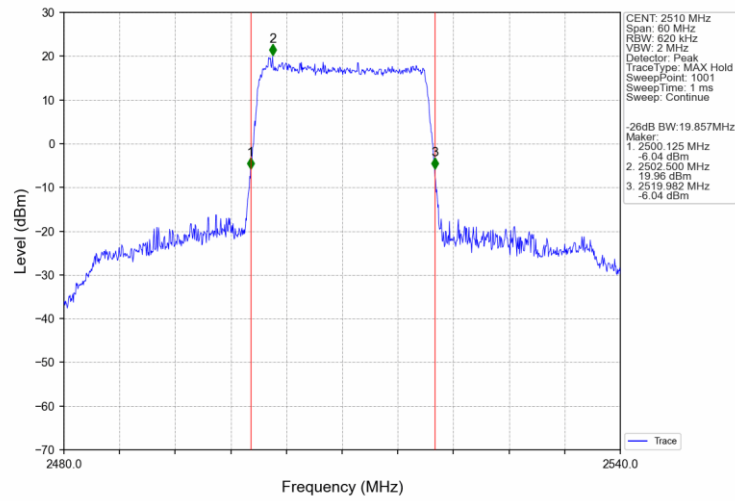
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



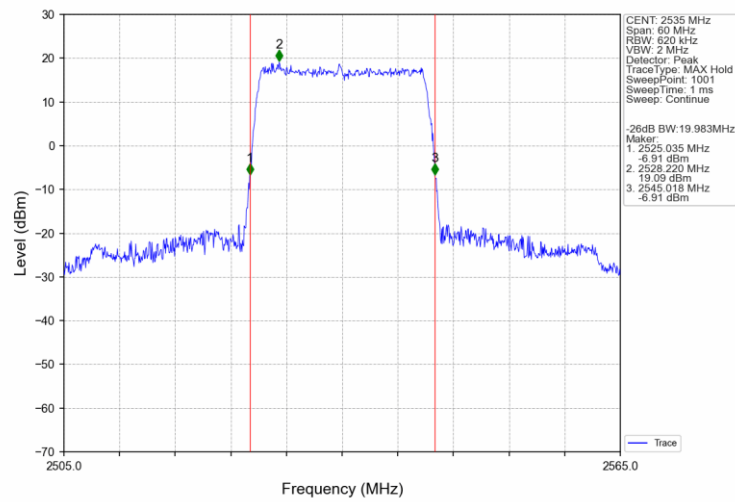
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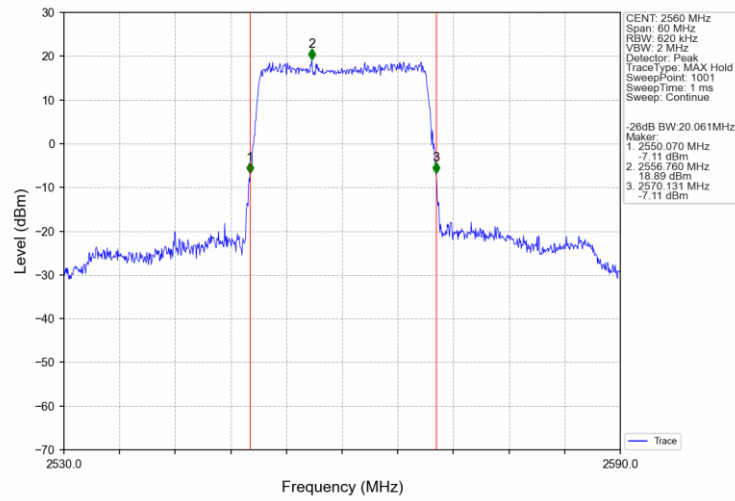
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



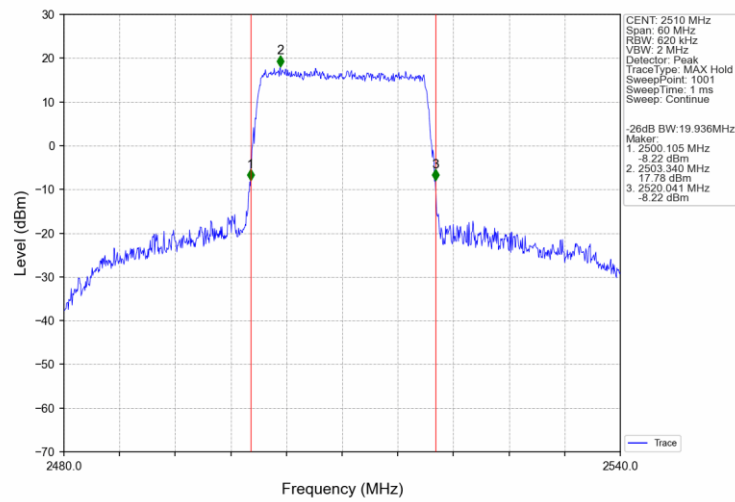
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



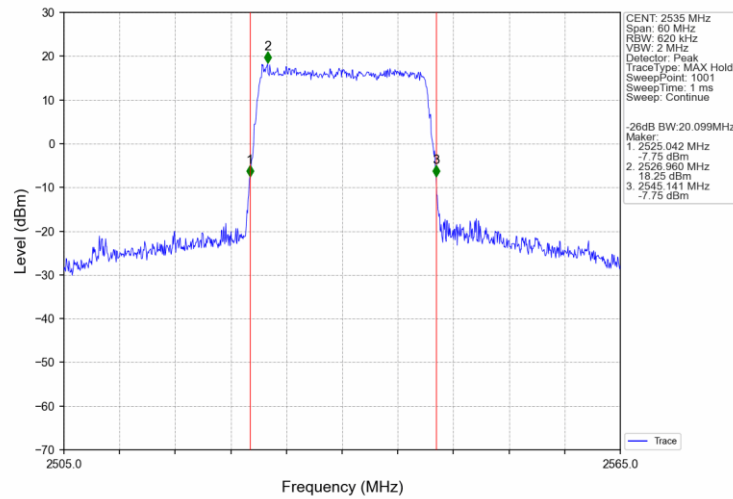
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



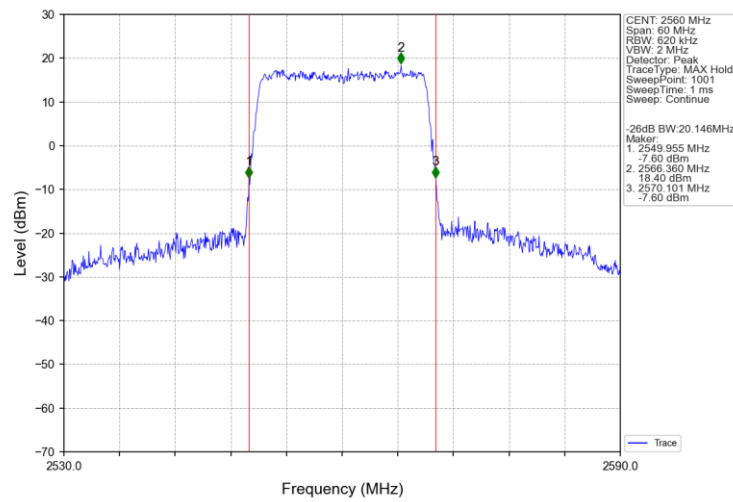
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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	5.81	<=13	Pass
	2535	25	0	5.91	<=13	Pass
	2567.5	25	0	5.88	<=13	Pass
16QAM	2502.5	25	0	6.63	<=13	Pass
	2535	25	0	6.67	<=13	Pass
	2567.5	25	0	6.63	<=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	5.87	<=13	Pass
	2535	50	0	5.90	<=13	Pass
	2565	50	0	5.90	<=13	Pass
16QAM	2505	50	0	6.66	<=13	Pass
	2535	50	0	6.70	<=13	Pass
	2565	50	0	6.72	<=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	5.33	<=13	Pass
	2535	75	0	5.30	<=13	Pass
	2562.5	75	0	5.37	<=13	Pass
16QAM	2507.5	75	0	6.40	<=13	Pass
	2535	75	0	6.40	<=13	Pass
	2562.5	75	0	6.45	<=13	Pass

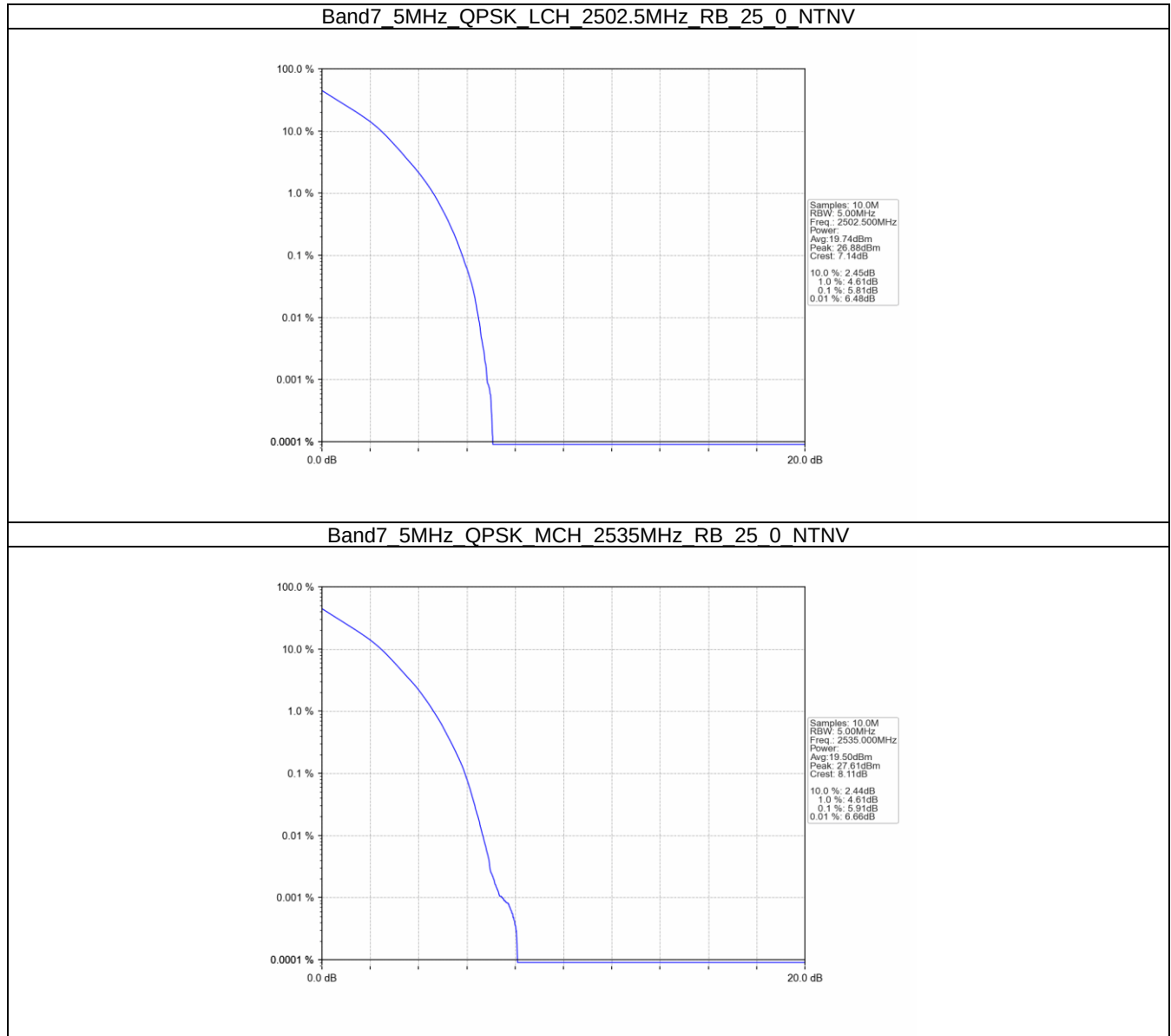
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.62	<=13	Pass
	2535	100	0	5.66	<=13	Pass
	2560	100	0	5.69	<=13	Pass
16QAM	2510	100	0	6.73	<=13	Pass
	2535	100	0	6.69	<=13	Pass
	2560	100	0	6.70	<=13	Pass

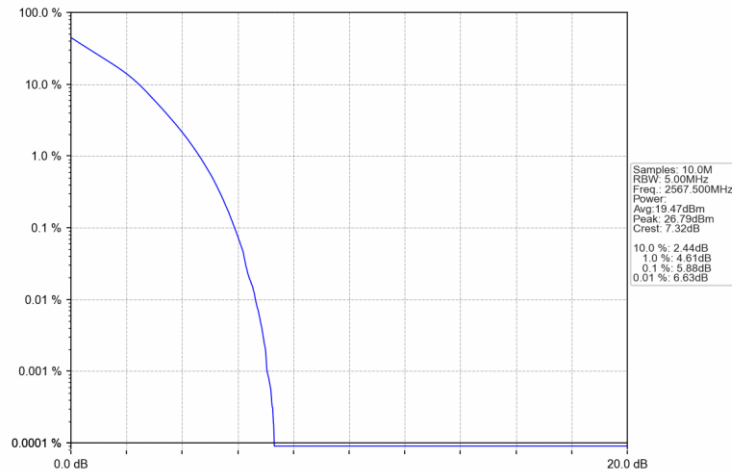


5.2 Test Graph

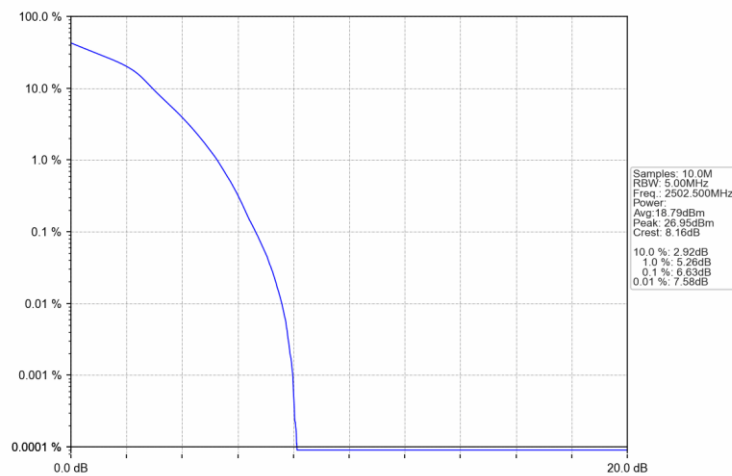
5.2.1 B7_5MHz



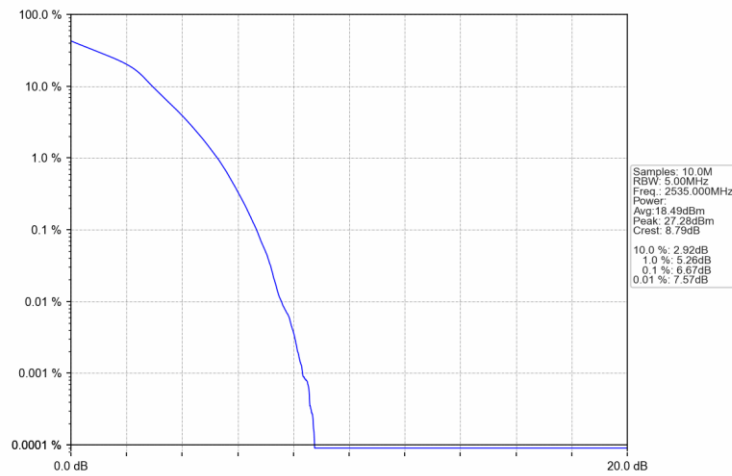
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



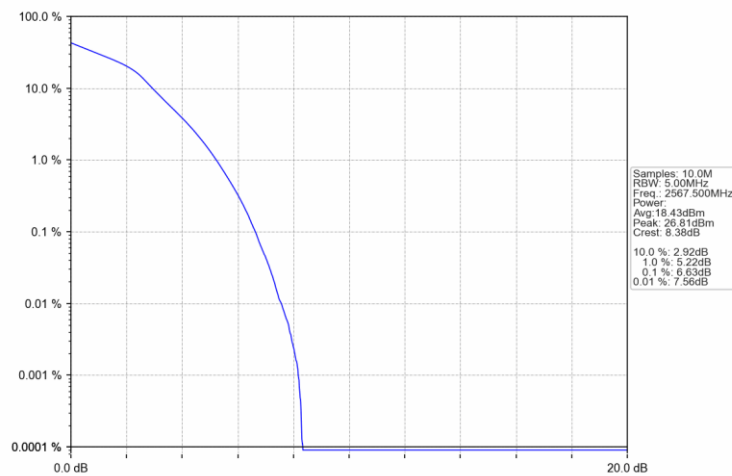
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV

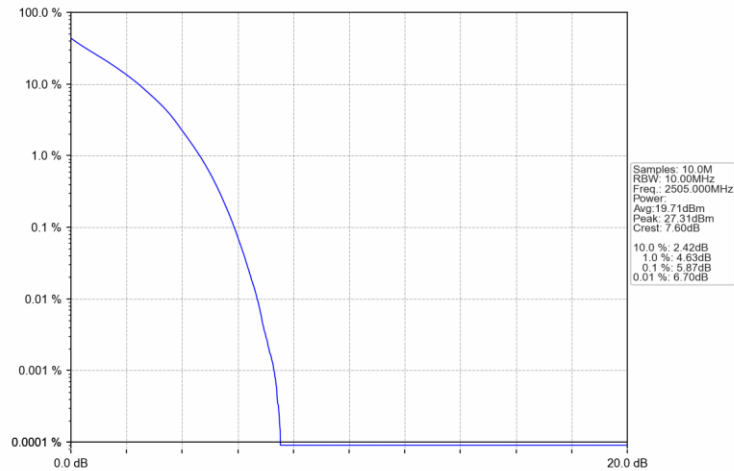


Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



5.2.2 B7_10MHz

Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN

