

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	23.82	1.50	25.32	<=33.01	Pass
			13	23.77	1.50	25.27	<=33.01	Pass
			24	23.90	1.50	25.40	<=33.01	Pass
		12	0	22.94	1.50	24.44	<=33.01	Pass
			6	23.01	1.50	24.51	<=33.01	Pass
			13	22.92	1.50	24.42	<=33.01	Pass
		25	0	22.92	1.50	24.42	<=33.01	Pass
	2535	1	0	23.79	1.50	25.29	<=33.01	Pass
			13	23.79	1.50	25.29	<=33.01	Pass
			24	23.81	1.50	25.31	<=33.01	Pass
		12	0	22.80	1.50	24.30	<=33.01	Pass
			6	22.82	1.50	24.32	<=33.01	Pass
			13	22.94	1.50	24.44	<=33.01	Pass
		25	0	22.88	1.50	24.38	<=33.01	Pass
	2567.5	1	0	23.52	1.50	25.02	<=33.01	Pass
			13	23.50	1.50	25.00	<=33.01	Pass
			24	23.61	1.50	25.11	<=33.01	Pass
		12	0	22.73	1.50	24.23	<=33.01	Pass
			6	22.79	1.50	24.29	<=33.01	Pass
			13	22.75	1.50	24.25	<=33.01	Pass
		25	0	22.72	1.50	24.22	<=33.01	Pass
16QAM	2502.5	1	0	22.89	1.50	24.39	<=33.01	Pass
			13	22.83	1.50	24.33	<=33.01	Pass
			24	22.93	1.50	24.43	<=33.01	Pass
		12	0	22.06	1.50	23.56	<=33.01	Pass
			6	22.10	1.50	23.60	<=33.01	Pass
			13	22.06	1.50	23.56	<=33.01	Pass
		25	0	22.10	1.50	23.60	<=33.01	Pass
	2535	1	0	22.89	1.50	24.39	<=33.01	Pass
			13	22.90	1.50	24.40	<=33.01	Pass
			24	22.88	1.50	24.38	<=33.01	Pass
		12	0	21.73	1.50	23.23	<=33.01	Pass
			6	21.90	1.50	23.40	<=33.01	Pass
			13	21.81	1.50	23.31	<=33.01	Pass
		25	0	21.77	1.50	23.27	<=33.01	Pass
	2567.5	1	0	22.21	1.50	23.71	<=33.01	Pass
			13	22.04	1.50	23.54	<=33.01	Pass
			24	22.02	1.50	23.52	<=33.01	Pass
		12	0	21.66	1.50	23.16	<=33.01	Pass
			6	21.65	1.50	23.15	<=33.01	Pass
			13	21.68	1.50	23.18	<=33.01	Pass
		25	0	21.72	1.50	23.22	<=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	23.99	1.50	25.49	<=33.01	Pass
			25	23.93	1.50	25.43	<=33.01	Pass
			49	23.99	1.50	25.49	<=33.01	Pass
		25	0	22.98	1.50	24.48	<=33.01	Pass
			13	22.99	1.50	24.49	<=33.01	Pass
			25	22.94	1.50	24.44	<=33.01	Pass
		50	0	23.04	1.50	24.54	<=33.01	Pass
			25	23.04	1.50	24.54	<=33.01	Pass
			49	23.04	1.50	24.54	<=33.01	Pass
	2535	1	0	23.91	1.50	25.41	<=33.01	Pass
			25	23.89	1.50	25.39	<=33.01	Pass
			49	23.94	1.50	25.44	<=33.01	Pass
		25	0	22.82	1.50	24.32	<=33.01	Pass
			13	22.82	1.50	24.32	<=33.01	Pass
			25	22.81	1.50	24.31	<=33.01	Pass
		50	0	22.81	1.50	24.31	<=33.01	Pass
			25	22.81	1.50	24.31	<=33.01	Pass
			49	22.81	1.50	24.31	<=33.01	Pass
	2565	1	0	23.83	1.50	25.33	<=33.01	Pass
			25	23.76	1.50	25.26	<=33.01	Pass
			49	23.92	1.50	25.42	<=33.01	Pass
		25	0	22.62	1.50	24.12	<=33.01	Pass
			13	22.66	1.50	24.16	<=33.01	Pass
			25	22.77	1.50	24.27	<=33.01	Pass
		50	0	22.70	1.50	24.20	<=33.01	Pass
			25	22.70	1.50	24.20	<=33.01	Pass
			49	22.70	1.50	24.20	<=33.01	Pass
16QAM	2505	1	0	22.48	1.50	23.98	<=33.01	Pass
			25	22.63	1.50	24.13	<=33.01	Pass
			49	22.66	1.50	24.16	<=33.01	Pass
		25	0	21.81	1.50	23.31	<=33.01	Pass
			13	21.88	1.50	23.38	<=33.01	Pass
			25	21.98	1.50	23.48	<=33.01	Pass
		50	0	21.87	1.50	23.37	<=33.01	Pass
			25	21.87	1.50	23.37	<=33.01	Pass
			49	21.87	1.50	23.37	<=33.01	Pass
	2535	1	0	22.95	1.50	24.45	<=33.01	Pass
			25	22.99	1.50	24.49	<=33.01	Pass
			49	22.99	1.50	24.49	<=33.01	Pass
		25	0	21.89	1.50	23.39	<=33.01	Pass
			13	21.93	1.50	23.43	<=33.01	Pass
			25	21.85	1.50	23.35	<=33.01	Pass
		50	0	21.75	1.50	23.25	<=33.01	Pass
			25	21.75	1.50	23.25	<=33.01	Pass
			49	21.75	1.50	23.25	<=33.01	Pass
	2565	1	0	23.18	1.50	24.68	<=33.01	Pass
			25	23.21	1.50	24.71	<=33.01	Pass
			49	23.30	1.50	24.80	<=33.01	Pass
		25	0	21.73	1.50	23.23	<=33.01	Pass
			13	21.79	1.50	23.29	<=33.01	Pass
			25	21.80	1.50	23.30	<=33.01	Pass
		50	0	21.79	1.50	23.29	<=33.01	Pass
			25	21.79	1.50	23.29	<=33.01	Pass
			49	21.79	1.50	23.29	<=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	23.91	1.50	25.41	<=33.01	Pass
			38	23.90	1.50	25.40	<=33.01	Pass
			74	23.88	1.50	25.38	<=33.01	Pass
		36	0	22.95	1.50	24.45	<=33.01	Pass
			18	22.98	1.50	24.48	<=33.01	Pass
			39	22.91	1.50	24.41	<=33.01	Pass
		75	0	22.97	1.50	24.47	<=33.01	Pass
	2535	1	0	23.84	1.50	25.34	<=33.01	Pass
			38	23.82	1.50	25.32	<=33.01	Pass
			74	23.84	1.50	25.34	<=33.01	Pass
		36	0	22.81	1.50	24.31	<=33.01	Pass
			18	22.76	1.50	24.26	<=33.01	Pass
			39	22.81	1.50	24.31	<=33.01	Pass
		75	0	22.79	1.50	24.29	<=33.01	Pass
	2562.5	1	0	23.81	1.50	25.31	<=33.01	Pass
			38	23.73	1.50	25.23	<=33.01	Pass
			74	23.77	1.50	25.27	<=33.01	Pass
		36	0	22.81	1.50	24.31	<=33.01	Pass
			18	22.69	1.50	24.19	<=33.01	Pass
			39	22.77	1.50	24.27	<=33.01	Pass
		75	0	22.65	1.50	24.15	<=33.01	Pass
16QAM	2507.5	1	0	22.69	1.50	24.19	<=33.01	Pass
			38	22.59	1.50	24.09	<=33.01	Pass
			74	22.67	1.50	24.17	<=33.01	Pass
		36	0	21.95	1.50	23.45	<=33.01	Pass
			18	21.95	1.50	23.45	<=33.01	Pass
			39	21.95	1.50	23.45	<=33.01	Pass
		75	0	21.99	1.50	23.49	<=33.01	Pass
	2535	1	0	22.62	1.50	24.12	<=33.01	Pass
			38	22.60	1.50	24.10	<=33.01	Pass
			74	22.59	1.50	24.09	<=33.01	Pass
		36	0	21.86	1.50	23.36	<=33.01	Pass
			18	21.88	1.50	23.38	<=33.01	Pass
			39	21.92	1.50	23.42	<=33.01	Pass
		75	0	21.89	1.50	23.39	<=33.01	Pass
	2562.5	1	0	23.33	1.50	24.83	<=33.01	Pass
			38	23.27	1.50	24.77	<=33.01	Pass
			74	22.78	1.50	24.28	<=33.01	Pass
		36	0	21.84	1.50	23.34	<=33.01	Pass
			18	21.68	1.50	23.18	<=33.01	Pass
			39	21.78	1.50	23.28	<=33.01	Pass
		75	0	21.71	1.50	23.21	<=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	23.82	1.50	25.32	<=33.01	Pass
			50	23.82	1.50	25.32	<=33.01	Pass
			99	23.88	1.50	25.38	<=33.01	Pass
		50	0	22.89	1.50	24.39	<=33.01	Pass
			25	22.86	1.50	24.36	<=33.01	Pass
			50	22.92	1.50	24.42	<=33.01	Pass
		100	0	22.88	1.50	24.38	<=33.01	Pass
	2535	1	0	23.89	1.50	25.39	<=33.01	Pass
			50	23.89	1.50	25.39	<=33.01	Pass
			99	23.84	1.50	25.34	<=33.01	Pass
		50	0	22.74	1.50	24.24	<=33.01	Pass
			25	22.72	1.50	24.22	<=33.01	Pass
			50	22.83	1.50	24.33	<=33.01	Pass
		100	0	22.81	1.50	24.31	<=33.01	Pass
	2560	1	0	23.98	1.50	25.48	<=33.01	Pass
			50	23.95	1.50	25.45	<=33.01	Pass
			99	24.08	1.50	25.58	<=33.01	Pass
		50	0	22.78	1.50	24.28	<=33.01	Pass
			25	22.71	1.50	24.21	<=33.01	Pass
			50	22.70	1.50	24.20	<=33.01	Pass
		100	0	22.74	1.50	24.24	<=33.01	Pass
16QAM	2510	1	0	22.91	1.50	24.41	<=33.01	Pass
			50	22.97	1.50	24.47	<=33.01	Pass
			99	22.54	1.50	24.04	<=33.01	Pass
		50	0	22.02	1.50	23.52	<=33.01	Pass
			25	22.02	1.50	23.52	<=33.01	Pass
			50	22.02	1.50	23.52	<=33.01	Pass
		100	0	21.86	1.50	23.36	<=33.01	Pass
	2535	1	0	22.73	1.50	24.23	<=33.01	Pass
			50	22.64	1.50	24.14	<=33.01	Pass
			99	22.64	1.50	24.14	<=33.01	Pass
		50	0	21.77	1.50	23.27	<=33.01	Pass
			25	21.83	1.50	23.33	<=33.01	Pass
			50	21.83	1.50	23.33	<=33.01	Pass
		100	0	21.80	1.50	23.30	<=33.01	Pass
	2560	1	0	22.86	1.50	24.36	<=33.01	Pass
			50	22.89	1.50	24.39	<=33.01	Pass
			99	22.91	1.50	24.41	<=33.01	Pass
		50	0	21.88	1.50	23.38	<=33.01	Pass
			25	21.89	1.50	23.39	<=33.01	Pass
			50	21.68	1.50	23.18	<=33.01	Pass
		100	0	21.79	1.50	23.29	<=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	3.15	1.087	0.0004	-2.5 to 2.5	Pass
					3.70	-19.012	-0.0076	-2.5 to 2.5	Pass
					4.26	-46.091	-0.0184	-2.5 to 2.5	Pass
				-30	3.70	-30.670	-0.0123	-2.5 to 2.5	Pass
				-20	3.70	-9.227	-0.0037	-2.5 to 2.5	Pass
				-10	3.70	-21.415	-0.0086	-2.5 to 2.5	Pass
				0	3.70	-18.497	-0.0074	-2.5 to 2.5	Pass
				10	3.70	-25.635	-0.0102	-2.5 to 2.5	Pass
				30	3.70	-25.020	-0.0100	-2.5 to 2.5	Pass
				40	3.70	-22.359	-0.0089	-2.5 to 2.5	Pass
				50	3.70	-15.249	-0.0061	-2.5 to 2.5	Pass
	2535	25	0	20	3.15	-18.497	-0.0073	-2.5 to 2.5	Pass
					3.70	-26.679	-0.0105	-2.5 to 2.5	Pass
					4.26	-37.551	-0.0148	-2.5 to 2.5	Pass
				-30	3.70	-28.882	-0.0114	-2.5 to 2.5	Pass
				-20	3.70	-0.644	-0.0003	-2.5 to 2.5	Pass
				-10	3.70	-44.532	-0.0176	-2.5 to 2.5	Pass
				0	3.70	-10.099	-0.0040	-2.5 to 2.5	Pass
				10	3.70	-19.541	-0.0077	-2.5 to 2.5	Pass
				30	3.70	-0.229	-0.0001	-2.5 to 2.5	Pass
				40	3.70	-18.368	-0.0072	-2.5 to 2.5	Pass
				50	3.70	-34.890	-0.0138	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.15	13.433	0.0052	-2.5 to 2.5	Pass
					3.70	-27.838	-0.0108	-2.5 to 2.5	Pass
					4.26	-50.626	-0.0197	-2.5 to 2.5	Pass
				-30	3.70	-37.265	-0.0145	-2.5 to 2.5	Pass
				-20	3.70	0.758	0.0003	-2.5 to 2.5	Pass
				-10	3.70	-26.536	-0.0103	-2.5 to 2.5	Pass
				0	3.70	-46.377	-0.0181	-2.5 to 2.5	Pass
				10	3.70	-17.910	-0.0070	-2.5 to 2.5	Pass
				30	3.70	-21.915	-0.0085	-2.5 to 2.5	Pass
				40	3.70	-24.405	-0.0095	-2.5 to 2.5	Pass
				50	3.70	-32.187	-0.0125	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.15	4.649	0.0019	-2.5 to 2.5	Pass
					3.70	41.370	0.0165	-2.5 to 2.5	Pass
					4.26	34.475	0.0138	-2.5 to 2.5	Pass
				-30	3.70	3.548	0.0014	-2.5 to 2.5	Pass
				-20	3.70	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.70	16.465	0.0066	-2.5 to 2.5	Pass
				0	3.70	42.858	0.0171	-2.5 to 2.5	Pass
				10	3.70	13.361	0.0053	-2.5 to 2.5	Pass
				30	3.70	25.721	0.0103	-2.5 to 2.5	Pass
				40	3.70	32.458	0.0130	-2.5 to 2.5	Pass
				50	3.70	-12.088	-0.0048	-2.5 to 2.5	Pass
	2535	25	0	20	3.15	-3.247	-0.0013	-2.5 to 2.5	Pass
					3.70	-3.233	-0.0013	-2.5 to 2.5	Pass
					4.26	24.176	0.0095	-2.5 to 2.5	Pass
				-30	3.70	9.813	0.0039	-2.5 to 2.5	Pass
				-20	3.70	27.752	0.0109	-2.5 to 2.5	Pass
				-10	3.70	25.291	0.0100	-2.5 to 2.5	Pass

				0	3.70	35.133	0.0139	-2.5 to 2.5	Pass
				10	3.70	-14.577	-0.0058	-2.5 to 2.5	Pass
				30	3.70	-6.351	-0.0025	-2.5 to 2.5	Pass
				40	3.70	9.484	0.0037	-2.5 to 2.5	Pass
				50	3.70	13.990	0.0055	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.15	-1.659	-0.0006	-2.5 to 2.5	Pass
					3.70	14.505	0.0056	-2.5 to 2.5	Pass
					4.26	12.574	0.0049	-2.5 to 2.5	Pass
				-30	3.70	-1.559	-0.0006	-2.5 to 2.5	Pass
				-20	3.70	37.279	0.0145	-2.5 to 2.5	Pass
				-10	3.70	39.811	0.0155	-2.5 to 2.5	Pass
				0	3.70	5.264	0.0021	-2.5 to 2.5	Pass
				10	3.70	10.858	0.0042	-2.5 to 2.5	Pass
				30	3.70	14.105	0.0055	-2.5 to 2.5	Pass
				40	3.70	37.923	0.0148	-2.5 to 2.5	Pass
				50	3.70	8.140	0.0032	-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	3.15	-24.433	-0.0098	-2.5 to 2.5	Pass
					3.70	-10.672	-0.0043	-2.5 to 2.5	Pass
					4.26	-33.989	-0.0136	-2.5 to 2.5	Pass
				-30	3.70	-34.447	-0.0138	-2.5 to 2.5	Pass
				-20	3.70	-11.287	-0.0045	-2.5 to 2.5	Pass
				-10	3.70	-42.243	-0.0169	-2.5 to 2.5	Pass
				0	3.70	-10.114	-0.0040	-2.5 to 2.5	Pass
				10	3.70	-39.439	-0.0157	-2.5 to 2.5	Pass
				30	3.70	-23.832	-0.0095	-2.5 to 2.5	Pass
				40	3.70	-36.507	-0.0146	-2.5 to 2.5	Pass
	2535	50	0	20	3.15	-30.627	-0.0121	-2.5 to 2.5	Pass
					3.70	-12.445	-0.0049	-2.5 to 2.5	Pass
					4.26	-20.142	-0.0079	-2.5 to 2.5	Pass
				-30	3.70	-16.837	-0.0066	-2.5 to 2.5	Pass
				-20	3.70	-16.823	-0.0066	-2.5 to 2.5	Pass
				-10	3.70	-22.702	-0.0090	-2.5 to 2.5	Pass
				0	3.70	6.223	0.0025	-2.5 to 2.5	Pass
				10	3.70	-26.464	-0.0104	-2.5 to 2.5	Pass
				30	3.70	-16.437	-0.0065	-2.5 to 2.5	Pass
				40	3.70	-37.422	-0.0148	-2.5 to 2.5	Pass
	2565	50	0	20	3.15	-38.395	-0.0151	-2.5 to 2.5	Pass
					3.70	-22.960	0.0090	-2.5 to 2.5	Pass
					4.26	-8.469	-0.0033	-2.5 to 2.5	Pass
				-30	3.70	-6.795	-0.0026	-2.5 to 2.5	Pass
				-20	3.70	-31.672	-0.0123	-2.5 to 2.5	Pass
				-10	3.70	-19.255	-0.0075	-2.5 to 2.5	Pass
				0	3.70	-46.248	-0.0180	-2.5 to 2.5	Pass
				10	3.70	5.107	0.0020	-2.5 to 2.5	Pass
				30	3.70	-10.843	-0.0042	-2.5 to 2.5	Pass
				40	3.70	-24.419	-0.0095	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.70	-29.268	-0.0114	-2.5 to 2.5	Pass
					3.15	-38.624	-0.0151	-2.5 to 2.5	Pass
					4.26	-2.804	-0.0011	-2.5 to 2.5	Pass

				-30	3.70	5.951	0.0024	-2.5 to 2.5	Pass
				-20	3.70	25.334	0.0101	-2.5 to 2.5	Pass
				-10	3.70	29.769	0.0119	-2.5 to 2.5	Pass
				0	3.70	-10.128	-0.0040	-2.5 to 2.5	Pass
				10	3.70	-2.046	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-5.450	-0.0022	-2.5 to 2.5	Pass
				40	3.70	-12.217	-0.0049	-2.5 to 2.5	Pass
				50	3.70	10.314	0.0041	-2.5 to 2.5	Pass
	2535	50	0	20	3.15	14.405	0.0057	-2.5 to 2.5	Pass
					3.70	31.543	0.0124	-2.5 to 2.5	Pass
					4.26	-4.606	-0.0018	-2.5 to 2.5	Pass
				-30	3.70	24.819	0.0098	-2.5 to 2.5	Pass
				-20	3.70	32.258	0.0127	-2.5 to 2.5	Pass
				-10	3.70	6.709	0.0026	-2.5 to 2.5	Pass
				0	3.70	21.429	0.0085	-2.5 to 2.5	Pass
				10	3.70	35.720	0.0141	-2.5 to 2.5	Pass
				30	3.70	0.186	0.0001	-2.5 to 2.5	Pass
				40	3.70	-11.630	-0.0046	-2.5 to 2.5	Pass
				50	3.70	2.646	0.0010	-2.5 to 2.5	Pass
	2565	50	0	20	3.15	19.512	0.0076	-2.5 to 2.5	Pass
					3.70	4.978	0.0019	-2.5 to 2.5	Pass
					4.26	3.476	0.0014	-2.5 to 2.5	Pass
				-30	3.70	44.804	0.0175	-2.5 to 2.5	Pass
				-20	3.70	9.069	0.0035	-2.5 to 2.5	Pass
				-10	3.70	12.431	0.0048	-2.5 to 2.5	Pass
				0	3.70	33.116	0.0129	-2.5 to 2.5	Pass
				10	3.70	15.678	0.0061	-2.5 to 2.5	Pass
				30	3.70	32.058	0.0125	-2.5 to 2.5	Pass
				40	3.70	25.821	0.0101	-2.5 to 2.5	Pass
				50	3.70	33.903	0.0132	-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	3.15	-31.657	-0.0126	-2.5 to 2.5	Pass
					3.70	-24.548	-0.0098	-2.5 to 2.5	Pass
					4.26	-34.075	-0.0136	-2.5 to 2.5	Pass
				-30	3.70	-28.338	-0.0113	-2.5 to 2.5	Pass
				-20	3.70	-33.159	-0.0132	-2.5 to 2.5	Pass
				-10	3.70	-14.548	-0.0058	-2.5 to 2.5	Pass
				0	3.70	-1.359	-0.0005	-2.5 to 2.5	Pass
				10	3.70	-39.096	-0.0156	-2.5 to 2.5	Pass
				30	3.70	-19.426	-0.0077	-2.5 to 2.5	Pass
				40	3.70	-41.728	-0.0166	-2.5 to 2.5	Pass
				50	3.70	17.281	0.0069	-2.5 to 2.5	Pass
	2535	75	0	20	3.15	-29.368	-0.0116	-2.5 to 2.5	Pass
					3.70	-26.994	-0.0106	-2.5 to 2.5	Pass
					4.26	-31.943	-0.0126	-2.5 to 2.5	Pass
				-30	3.70	-23.789	-0.0094	-2.5 to 2.5	Pass
				-20	3.70	-18.010	-0.0071	-2.5 to 2.5	Pass
				-10	3.70	-24.920	-0.0098	-2.5 to 2.5	Pass
				0	3.70	-5.836	-0.0023	-2.5 to 2.5	Pass
				10	3.70	-25.163	-0.0099	-2.5 to 2.5	Pass
				30	3.70	-20.056	-0.0079	-2.5 to 2.5	Pass
				40	3.70	-40.655	-0.0160	-2.5 to 2.5	Pass
				50	3.70	-1.874	-0.0007	-2.5 to 2.5	Pass

	2562.5	75	0	20	3.15	15.163	0.0059	-2.5 to 2.5	Pass
					3.70	2.089	0.0008	-2.5 to 2.5	Pass
					4.26	-20.185	-0.0079	-2.5 to 2.5	Pass
				-30	3.70	2.775	0.0011	-2.5 to 2.5	Pass
				-20	3.70	-32.902	-0.0128	-2.5 to 2.5	Pass
				-10	3.70	-15.993	-0.0062	-2.5 to 2.5	Pass
				0	3.70	6.838	0.0027	-2.5 to 2.5	Pass
				10	3.70	12.789	0.0050	-2.5 to 2.5	Pass
				30	3.70	5.693	0.0022	-2.5 to 2.5	Pass
				40	3.70	-1.202	-0.0005	-2.5 to 2.5	Pass
				50	3.70	-12.174	-0.0048	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.15	16.780	0.0067	-2.5 to 2.5	Pass
					3.70	4.220	0.0017	-2.5 to 2.5	Pass
					4.26	27.924	0.0111	-2.5 to 2.5	Pass
				-30	3.70	15.864	0.0063	-2.5 to 2.5	Pass
				-20	3.70	43.087	0.0172	-2.5 to 2.5	Pass
				-10	3.70	41.299	0.0165	-2.5 to 2.5	Pass
				0	3.70	-11.730	-0.0047	-2.5 to 2.5	Pass
				10	3.70	-7.052	-0.0028	-2.5 to 2.5	Pass
				30	3.70	6.824	0.0027	-2.5 to 2.5	Pass
				40	3.70	20.428	0.0081	-2.5 to 2.5	Pass
				50	3.70	23.003	0.0092	-2.5 to 2.5	Pass
	2535	75	0	20	3.15	29.426	0.0116	-2.5 to 2.5	Pass
					3.70	31.056	0.0123	-2.5 to 2.5	Pass
					4.26	22.287	0.0088	-2.5 to 2.5	Pass
				-30	3.70	5.035	0.0020	-2.5 to 2.5	Pass
				-20	3.70	32.501	0.0128	-2.5 to 2.5	Pass
				-10	3.70	-9.985	-0.0039	-2.5 to 2.5	Pass
				0	3.70	16.165	0.0064	-2.5 to 2.5	Pass
				10	3.70	21.315	0.0084	-2.5 to 2.5	Pass
				30	3.70	25.649	0.0101	-2.5 to 2.5	Pass
				40	3.70	21.672	0.0085	-2.5 to 2.5	Pass
				50	3.70	21.644	0.0085	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.15	26.350	0.0103	-2.5 to 2.5	Pass
					3.70	26.379	0.0103	-2.5 to 2.5	Pass
					4.26	0.901	0.0004	-2.5 to 2.5	Pass
				-30	3.70	9.127	0.0036	-2.5 to 2.5	Pass
				-20	3.70	25.277	0.0099	-2.5 to 2.5	Pass
				-10	3.70	3.777	0.0015	-2.5 to 2.5	Pass
				0	3.70	21.400	0.0084	-2.5 to 2.5	Pass
				10	3.70	37.007	0.0144	-2.5 to 2.5	Pass
				30	3.70	-12.732	-0.0050	-2.5 to 2.5	Pass
				40	3.70	-8.998	-0.0035	-2.5 to 2.5	Pass
				50	3.70	-10.271	-0.0040	-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	3.15	-34.189	-0.0136	-2.5 to 2.5	Pass
					3.70	-28.653	-0.0114	-2.5 to 2.5	Pass
					4.26	-25.234	-0.0101	-2.5 to 2.5	Pass
				-30	3.70	-27.137	-0.0108	-2.5 to 2.5	Pass
				-20	3.70	-36.464	-0.0145	-2.5 to 2.5	Pass
				-10	3.70	-38.495	-0.0153	-2.5 to 2.5	Pass
				0	3.70	-22.616	-0.0090	-2.5 to 2.5	Pass
				10	3.70	-15.864	-0.0063	-2.5 to 2.5	Pass

				30	3.70	-9.770	-0.0039	-2.5 to 2.5	Pass
				40	3.70	-11.187	-0.0045	-2.5 to 2.5	Pass
				50	3.70	-3.619	-0.0014	-2.5 to 2.5	Pass
	2535	100	0	20	3.15	-32.959	-0.0130	-2.5 to 2.5	Pass
					3.70	-16.508	-0.0065	-2.5 to 2.5	Pass
					4.26	-39.668	-0.0156	-2.5 to 2.5	Pass
				-30	3.70	-13.232	-0.0052	-2.5 to 2.5	Pass
				-20	3.70	-6.723	-0.0027	-2.5 to 2.5	Pass
				-10	3.70	-15.450	-0.0061	-2.5 to 2.5	Pass
				0	3.70	-48.637	-0.0192	-2.5 to 2.5	Pass
				10	3.70	8.640	0.0034	-2.5 to 2.5	Pass
				30	3.70	-3.433	-0.0014	-2.5 to 2.5	Pass
				40	3.70	-33.574	-0.0132	-2.5 to 2.5	Pass
				50	3.70	-4.549	-0.0018	-2.5 to 2.5	Pass
	2560	100	0	20	3.15	-20.914	-0.0082	-2.5 to 2.5	Pass
					3.70	-27.938	-0.0109	-2.5 to 2.5	Pass
					4.26	-7.710	-0.0030	-2.5 to 2.5	Pass
				-30	3.70	-13.919	-0.0054	-2.5 to 2.5	Pass
				-20	3.70	-42.901	-0.0168	-2.5 to 2.5	Pass
				-10	3.70	-11.301	-0.0044	-2.5 to 2.5	Pass
				0	3.70	-24.920	-0.0097	-2.5 to 2.5	Pass
				10	3.70	-30.127	-0.0118	-2.5 to 2.5	Pass
				30	3.70	-35.505	-0.0139	-2.5 to 2.5	Pass
				40	3.70	-19.498	-0.0076	-2.5 to 2.5	Pass
				50	3.70	-26.550	-0.0104	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.15	17.610	0.0070	-2.5 to 2.5	Pass
					3.70	11.745	0.0047	-2.5 to 2.5	Pass
					4.26	5.836	0.0023	-2.5 to 2.5	Pass
				-30	3.70	41.170	0.0164	-2.5 to 2.5	Pass
				-20	3.70	-4.478	-0.0018	-2.5 to 2.5	Pass
				-10	3.70	11.830	0.0047	-2.5 to 2.5	Pass
				0	3.70	14.277	0.0057	-2.5 to 2.5	Pass
				10	3.70	31.013	0.0124	-2.5 to 2.5	Pass
				30	3.70	29.740	0.0118	-2.5 to 2.5	Pass
				40	3.70	31.743	0.0126	-2.5 to 2.5	Pass
				50	3.70	10.343	0.0041	-2.5 to 2.5	Pass
	2535	100	0	20	3.15	13.947	0.0055	-2.5 to 2.5	Pass
					3.70	10.099	0.0040	-2.5 to 2.5	Pass
					4.26	-1.631	-0.0006	-2.5 to 2.5	Pass
				-30	3.70	36.893	0.0146	-2.5 to 2.5	Pass
				-20	3.70	0.844	0.0003	-2.5 to 2.5	Pass
				-10	3.70	18.096	0.0071	-2.5 to 2.5	Pass
				0	3.70	19.469	0.0077	-2.5 to 2.5	Pass
				10	3.70	21.372	0.0084	-2.5 to 2.5	Pass
				30	3.70	22.845	0.0090	-2.5 to 2.5	Pass
				40	3.70	14.191	0.0056	-2.5 to 2.5	Pass
				50	3.70	34.232	0.0135	-2.5 to 2.5	Pass
	2560	100	0	20	3.15	21.944	0.0086	-2.5 to 2.5	Pass
					3.70	42.171	0.0165	-2.5 to 2.5	Pass
					4.26	30.241	0.0118	-2.5 to 2.5	Pass
				-30	3.70	-12.288	-0.0048	-2.5 to 2.5	Pass
				-20	3.70	17.581	0.0069	-2.5 to 2.5	Pass
				-10	3.70	1.616	0.0006	-2.5 to 2.5	Pass
				0	3.70	16.122	0.0063	-2.5 to 2.5	Pass
				10	3.70	25.935	0.0101	-2.5 to 2.5	Pass
				30	3.70	43.445	0.0170	-2.5 to 2.5	Pass
				40	3.70	30.971	0.0121	-2.5 to 2.5	Pass
				50	3.70	-16.222	-0.0063	-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

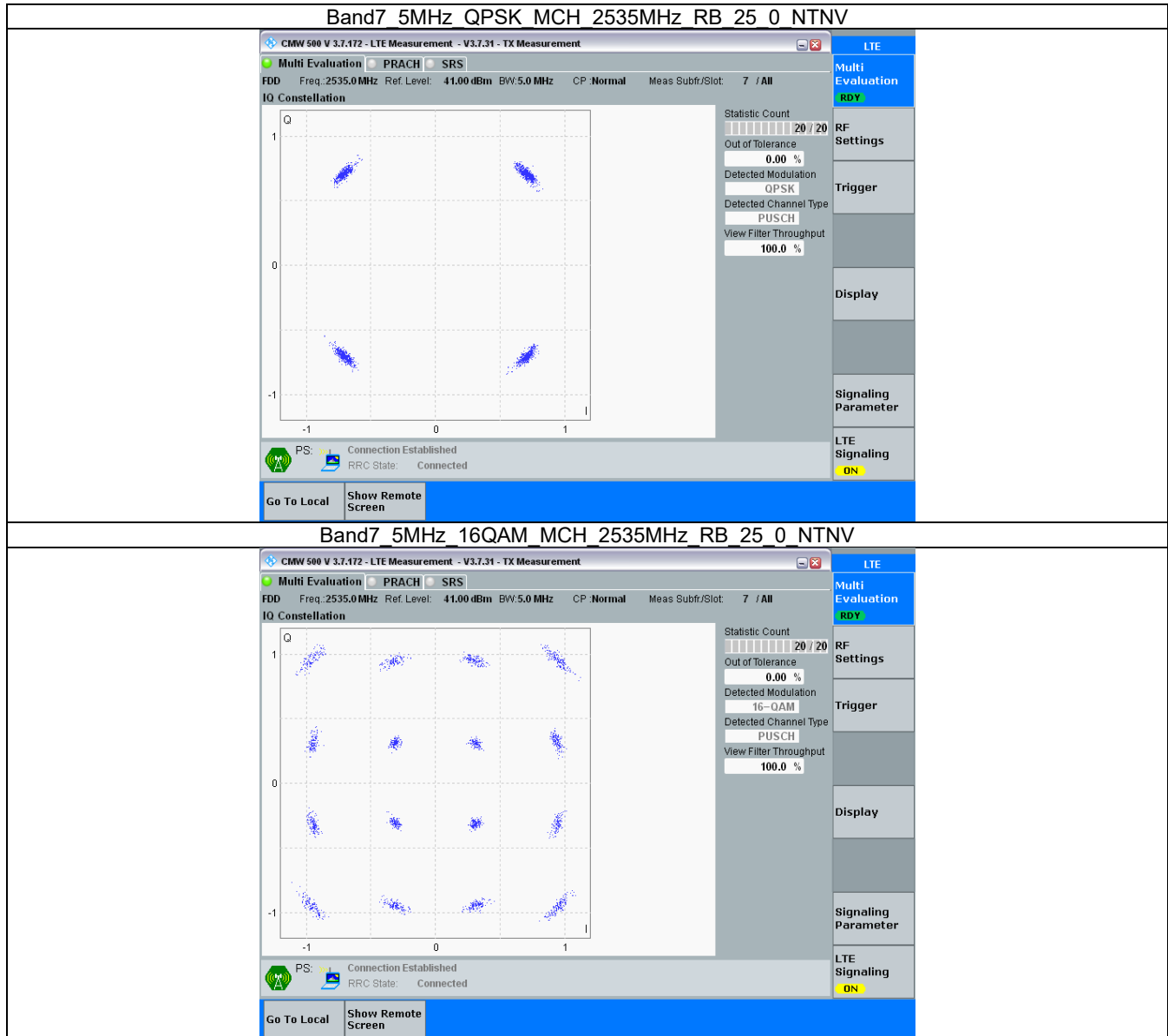
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.1.4 B7_20MHz

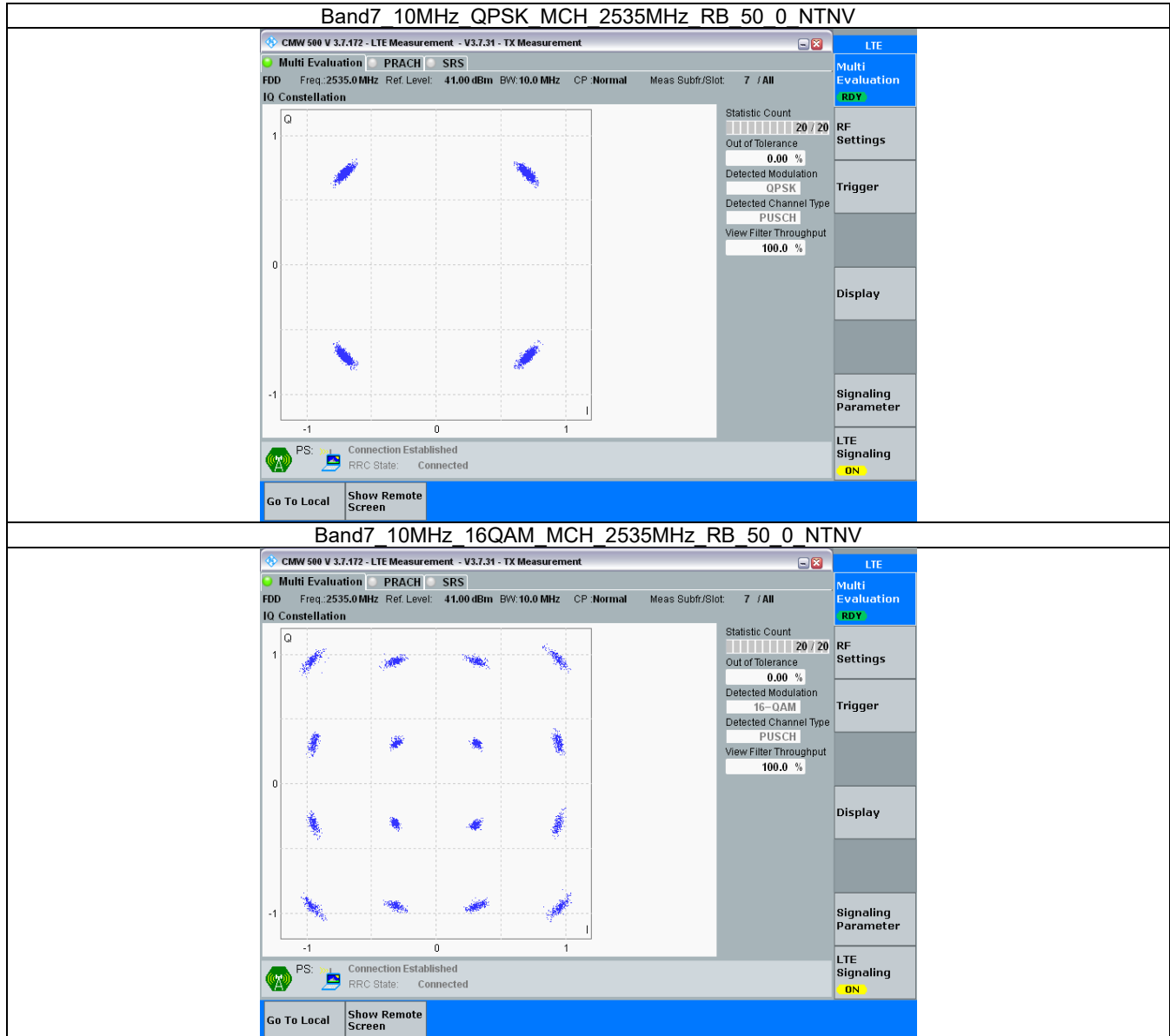
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

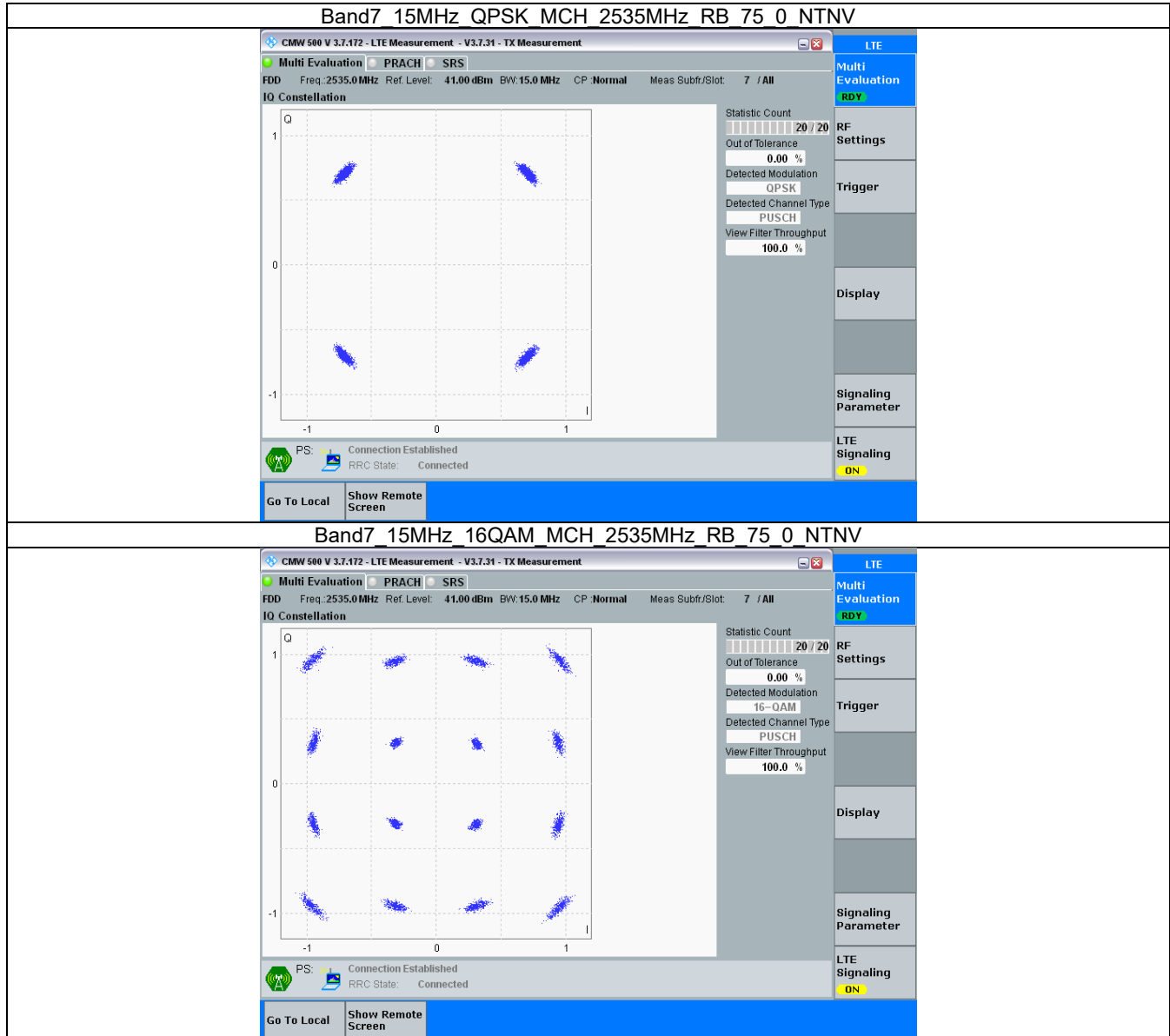
3.2.1 B7_5MHz



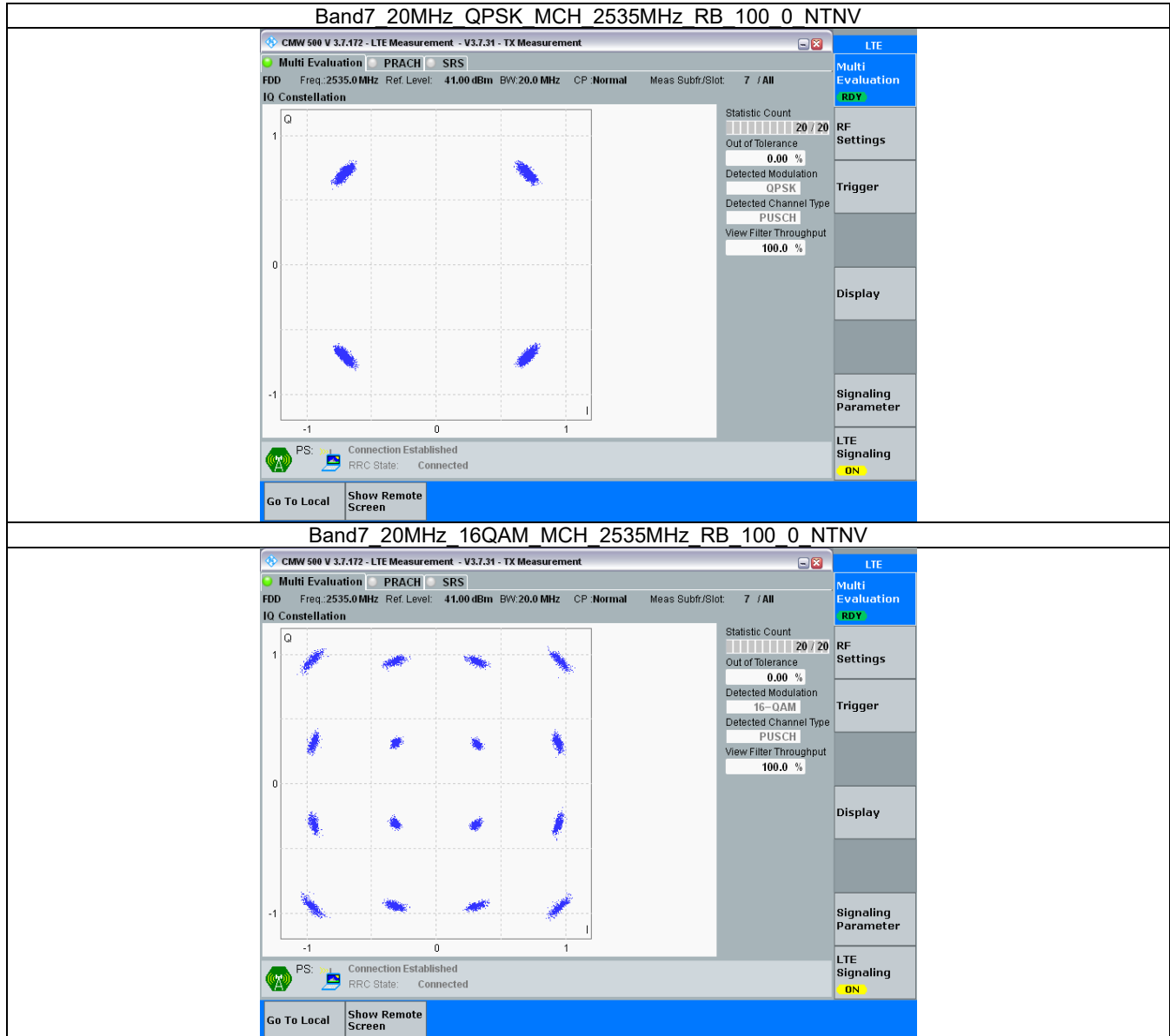
3.2.2 B7_10MHz



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	4.551	/	Pass
		2535	25	0	4.554	/	Pass
		2567.5	25	0	4.559	/	Pass
	16QAM	2502.5	25	0	4.568	/	Pass
		2535	25	0	4.581	/	Pass
		2567.5	25	0	4.539	/	Pass
10	QPSK	2505	50	0	9.064	/	Pass
		2535	50	0	9.092	/	Pass
		2565	50	0	9.024	/	Pass
	16QAM	2505	50	0	9.082	/	Pass
		2535	50	0	9.072	/	Pass
		2565	50	0	9.075	/	Pass
15	QPSK	2507.5	75	0	13.615	/	Pass
		2535	75	0	13.598	/	Pass
		2562.5	75	0	13.594	/	Pass
	16QAM	2507.5	75	0	13.585	/	Pass
		2535	75	0	13.610	/	Pass
		2562.5	75	0	13.656	/	Pass
20	QPSK	2510	100	0	18.132	/	Pass
		2535	100	0	18.174	/	Pass
		2560	100	0	18.176	/	Pass
	16QAM	2510	100	0	18.118	/	Pass
		2535	100	0	18.148	/	Pass
		2560	100	0	18.168	/	Pass

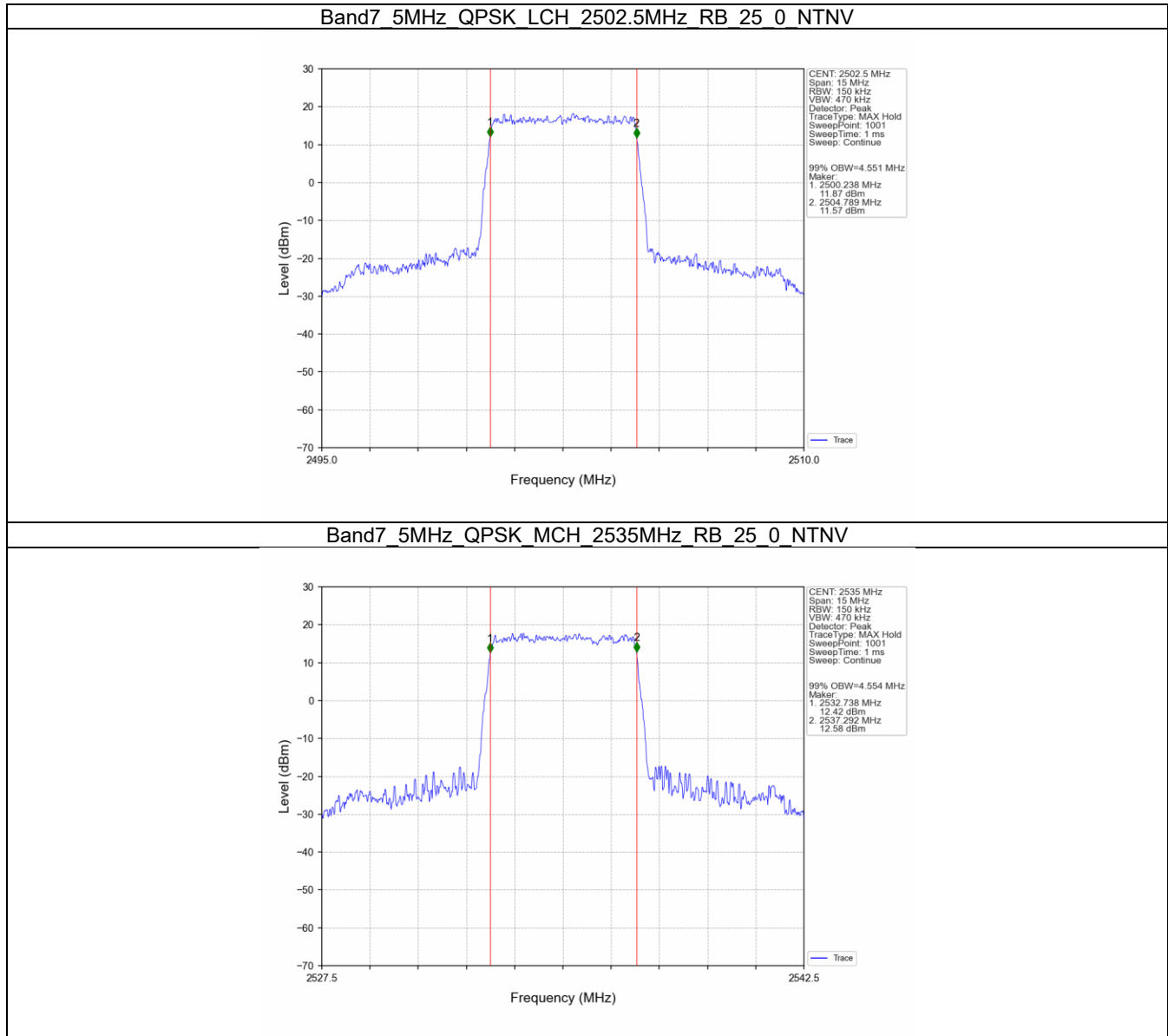
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.058	/	Pass
		2535	25	0	5.078	/	Pass
		2567.5	25	0	5.035	/	Pass
	16QAM	2502.5	25	0	5.069	/	Pass
		2535	25	0	5.068	/	Pass
		2567.5	25	0	5.078	/	Pass
10	QPSK	2505	50	0	10.024	/	Pass
		2535	50	0	10.024	/	Pass
		2565	50	0	9.852	/	Pass
	16QAM	2505	50	0	9.988	/	Pass
		2535	50	0	10.065	/	Pass
		2565	50	0	9.975	/	Pass
15	QPSK	2507.5	75	0	15.179	/	Pass
		2535	75	0	15.192	/	Pass
		2562.5	75	0	15.144	/	Pass

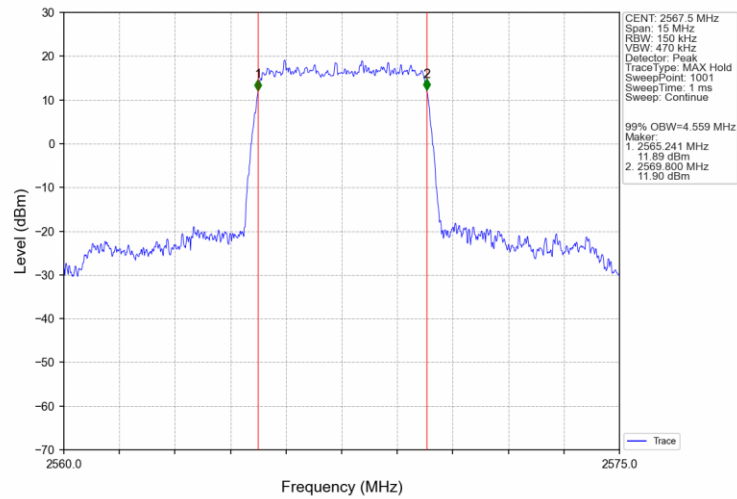
20	16QAM	2507.5	75	0	15.165	/	Pass
		2535	75	0	15.100	/	Pass
		2562.5	75	0	15.199	/	Pass
	QPSK	2510	100	0	19.918	/	Pass
		2535	100	0	20.083	/	Pass
		2560	100	0	20.056	/	Pass
	16QAM	2510	100	0	20.086	/	Pass
		2535	100	0	20.049	/	Pass
		2560	100	0	20.006	/	Pass

4.2 Test Graph

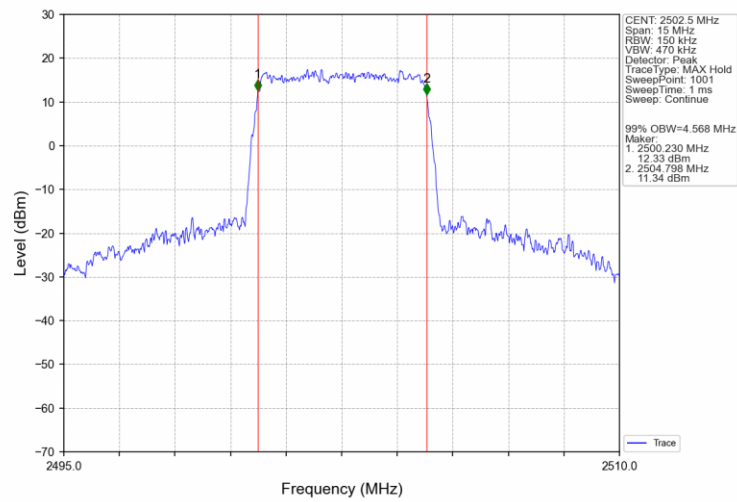
4.2.1 Band7_OBW



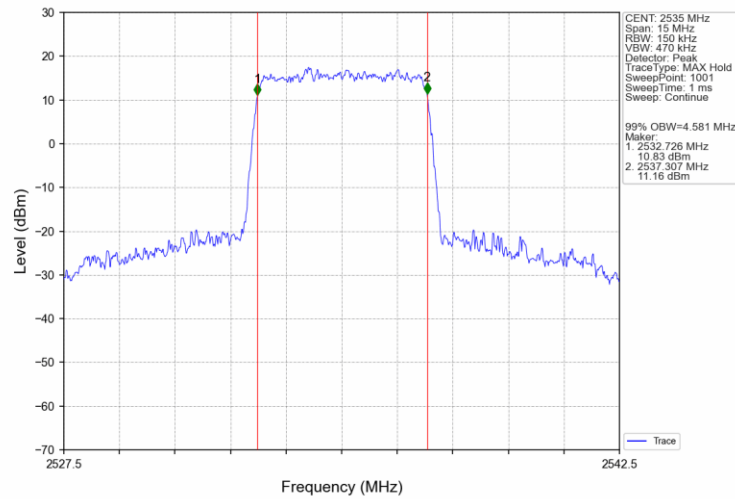
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



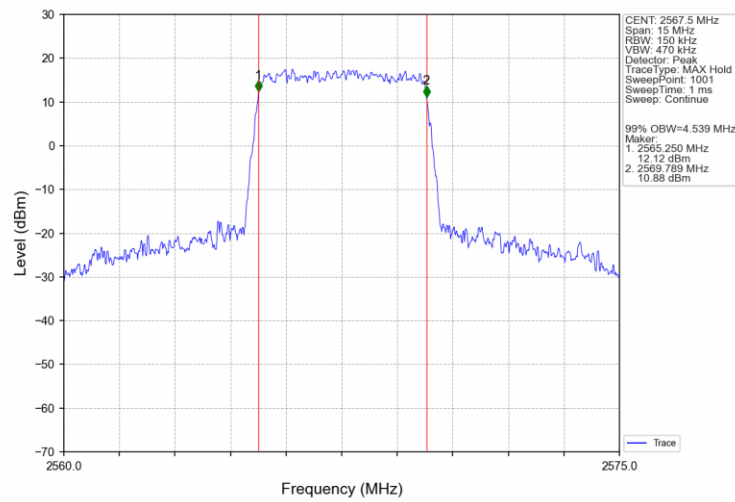
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



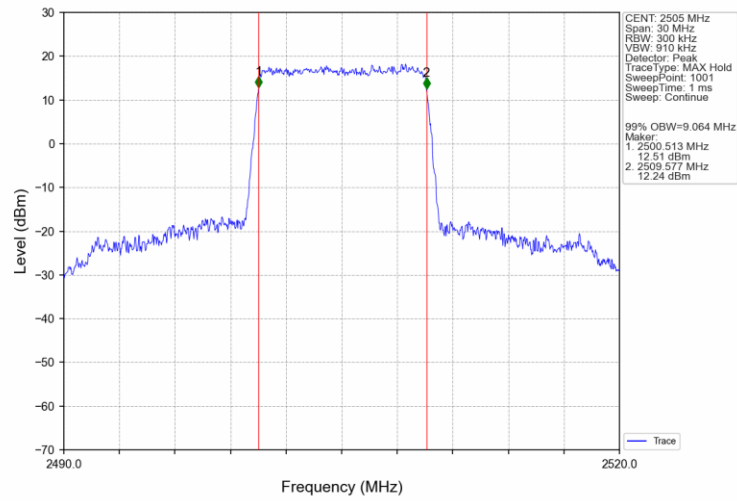
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



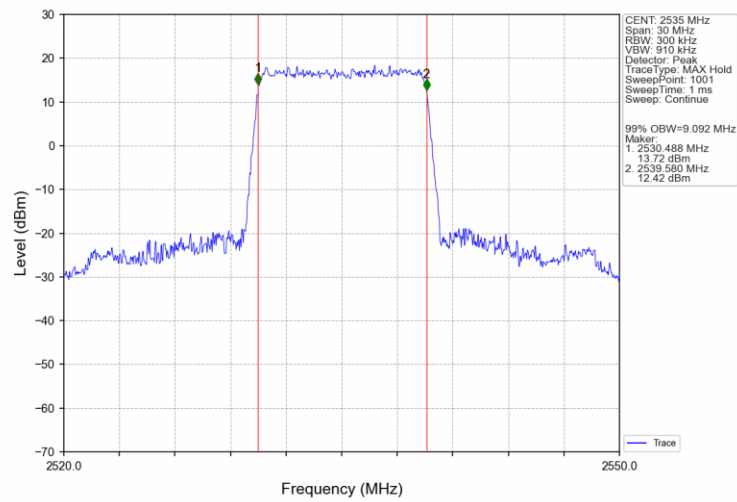
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



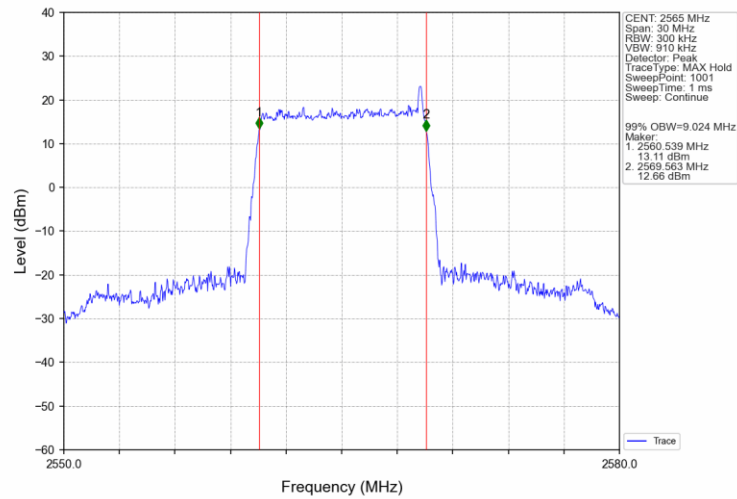
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



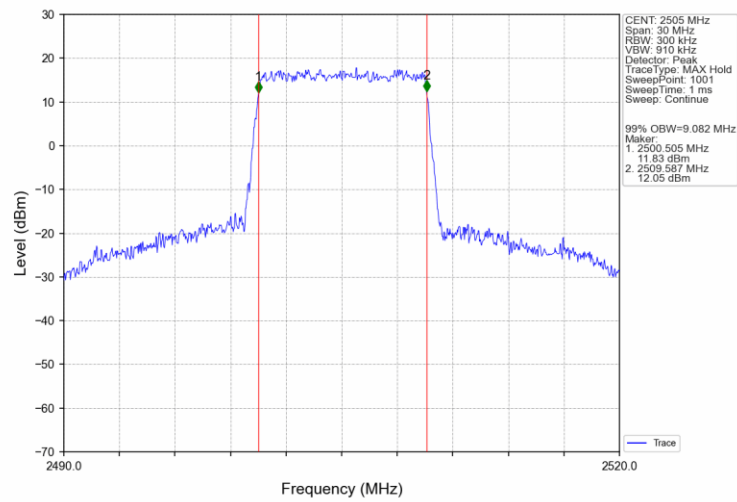
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



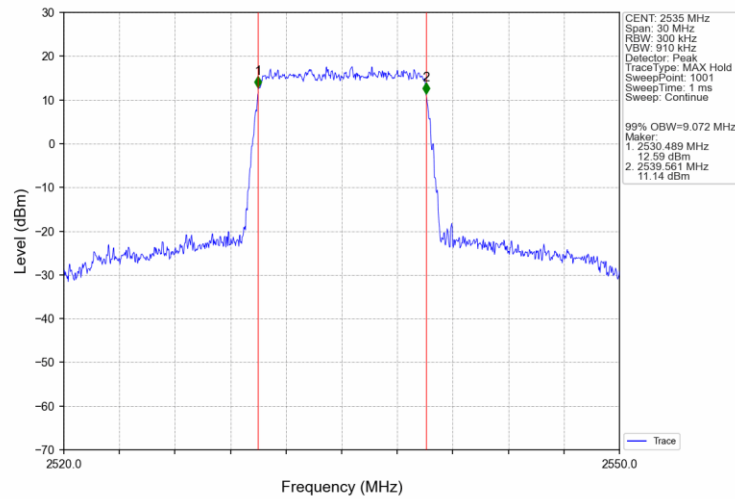
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



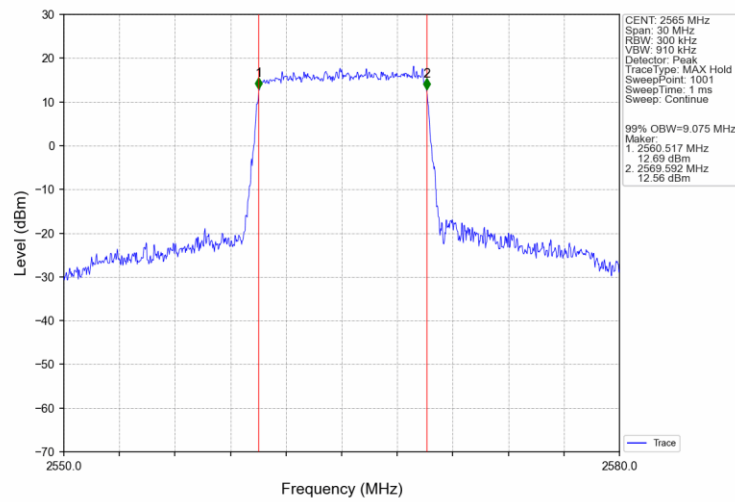
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



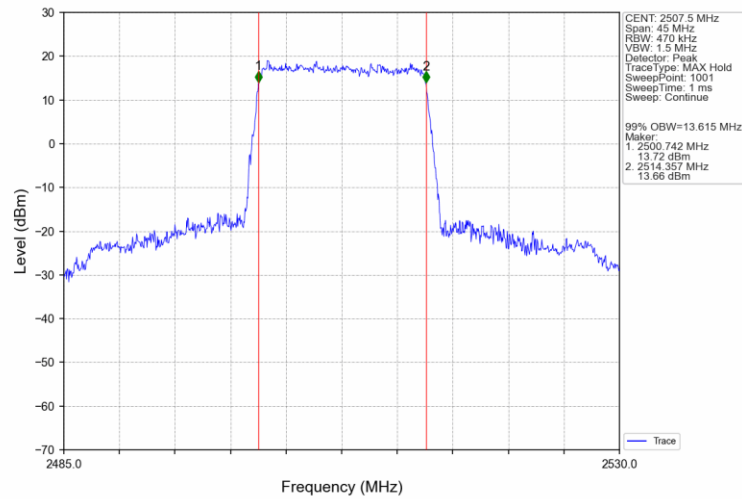
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTN



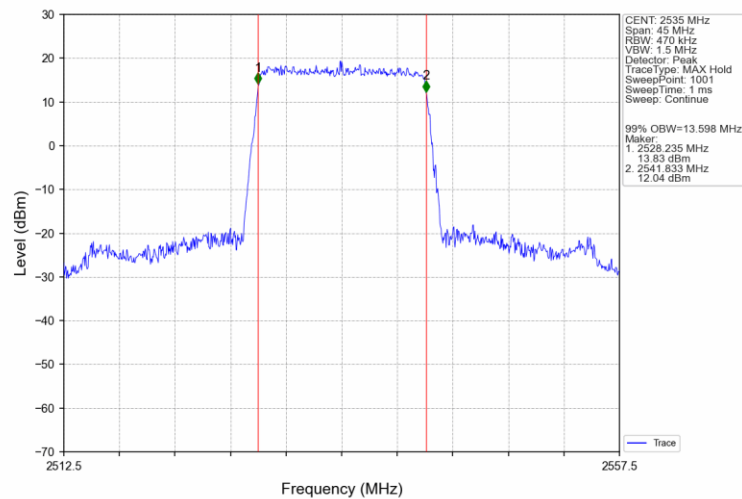
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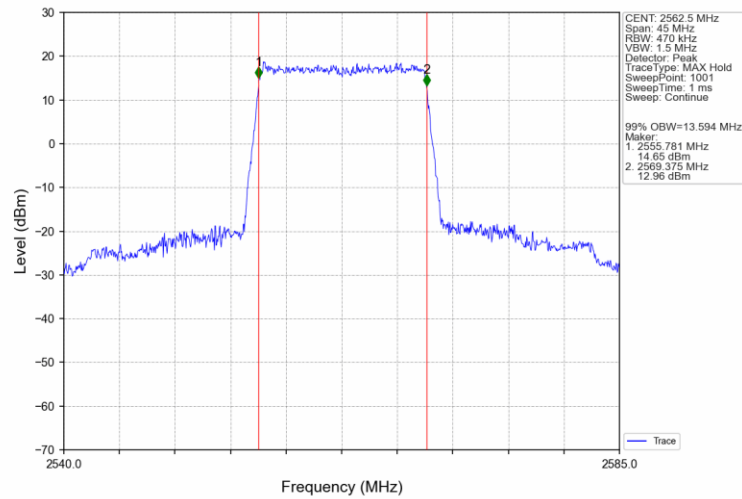
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



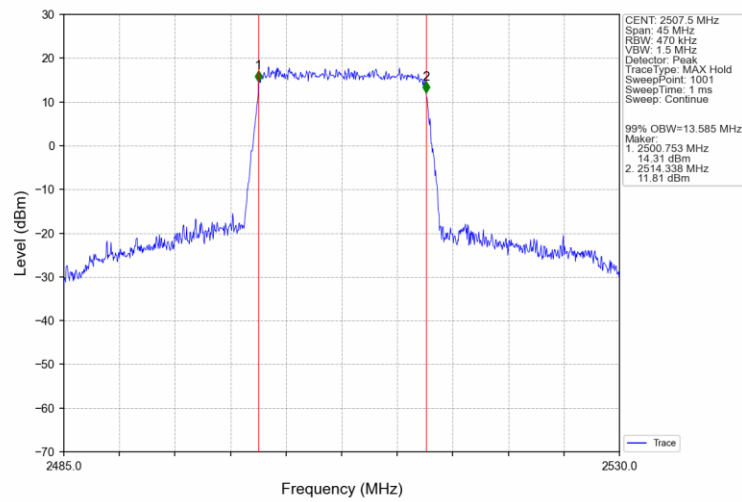
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



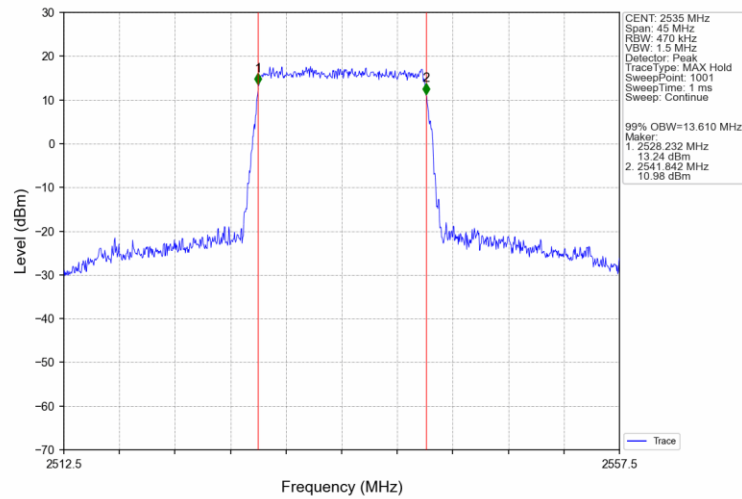
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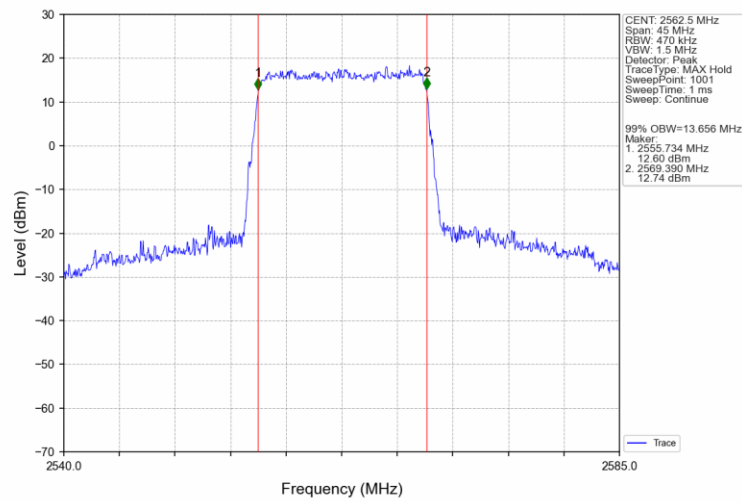
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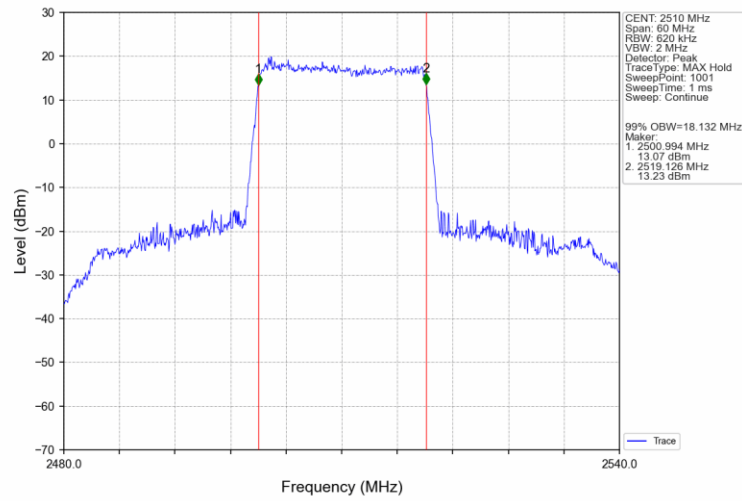
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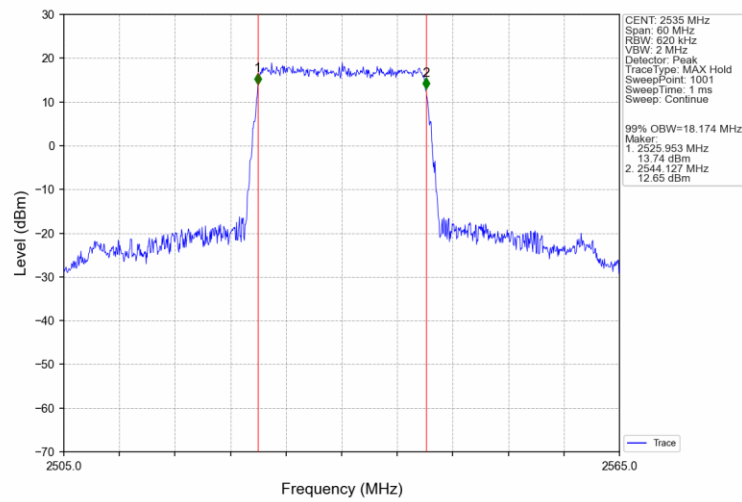
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



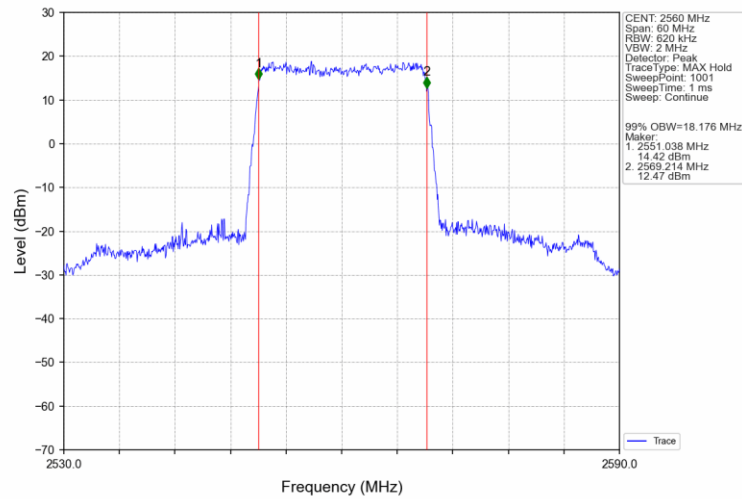
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



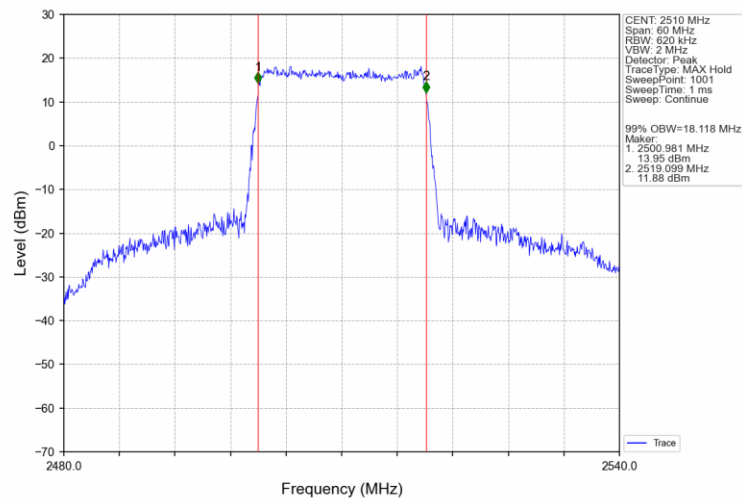
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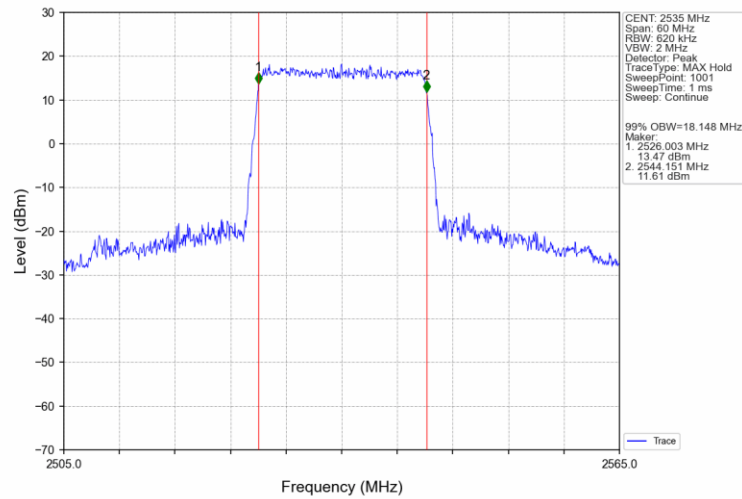
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



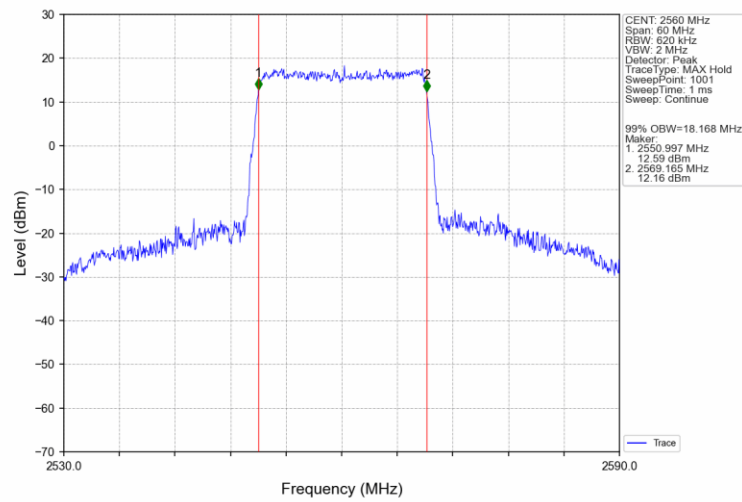
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



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

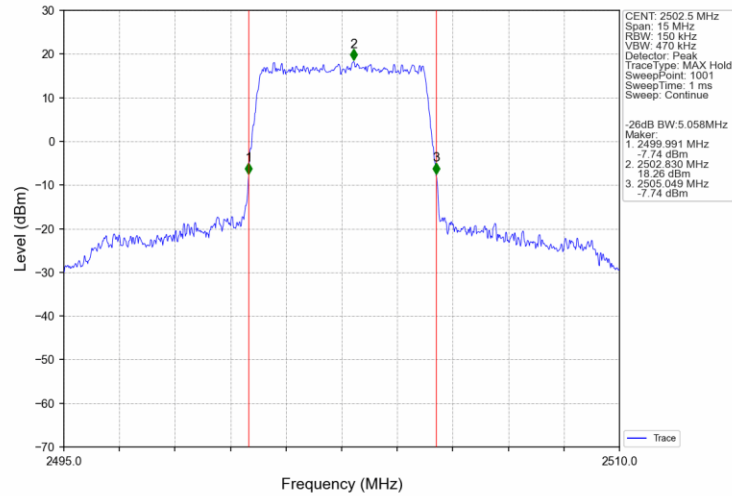


Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV

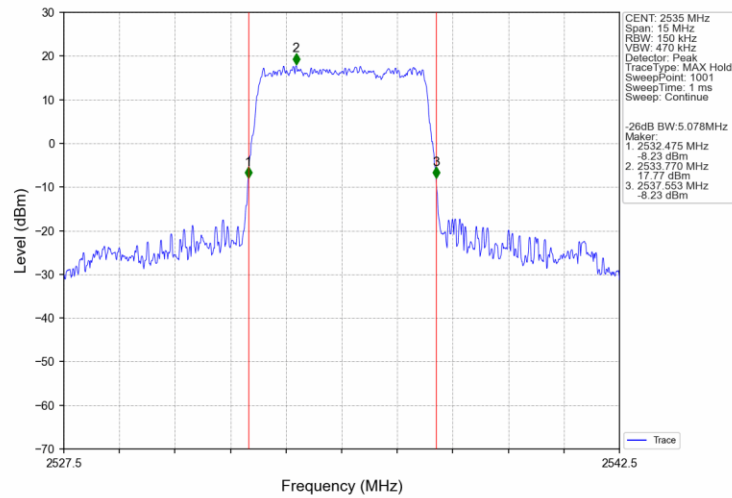


4.2.2 Band7_XDB

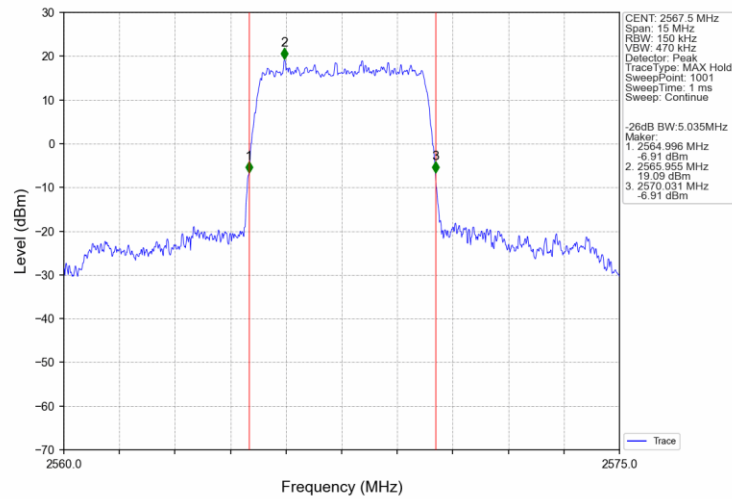
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV



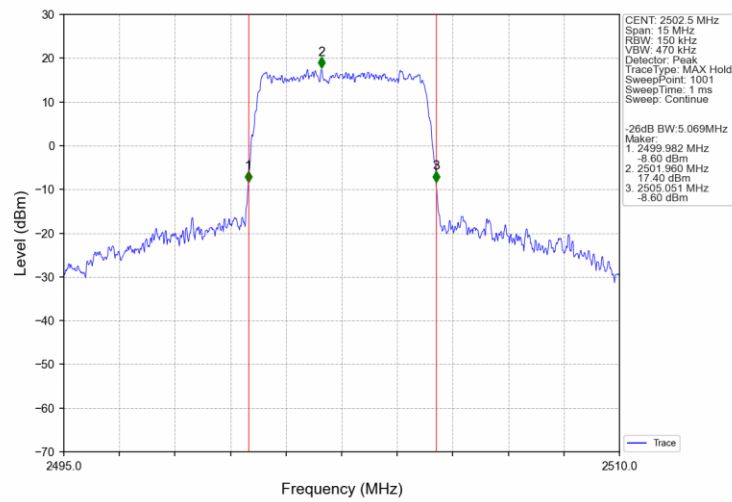
Band7 5MHz QPSK MCH 2535MHz RB 25 0 NTNV



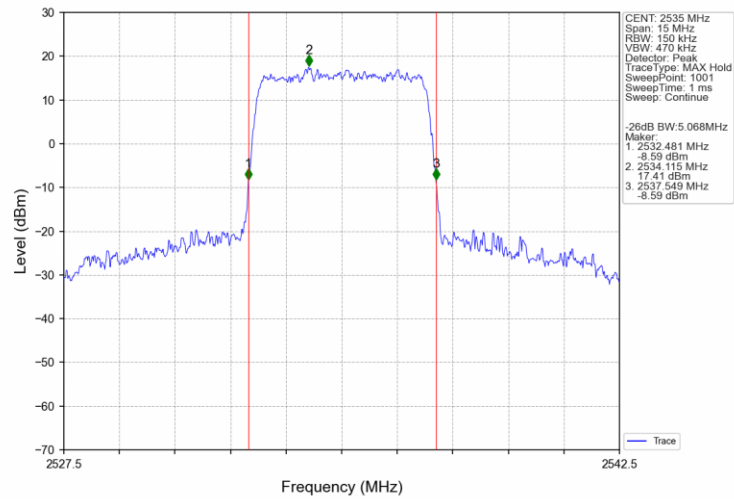
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTV



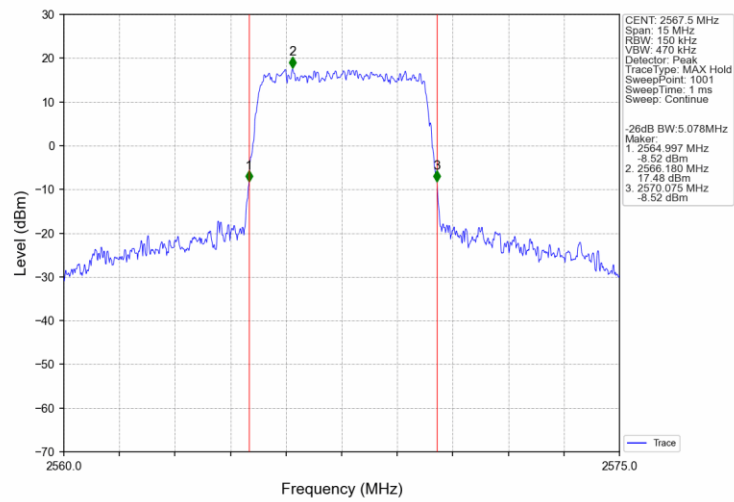
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTV



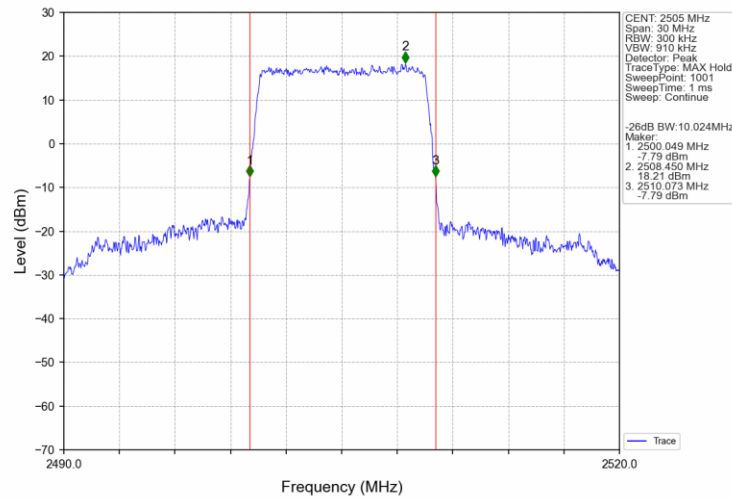
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



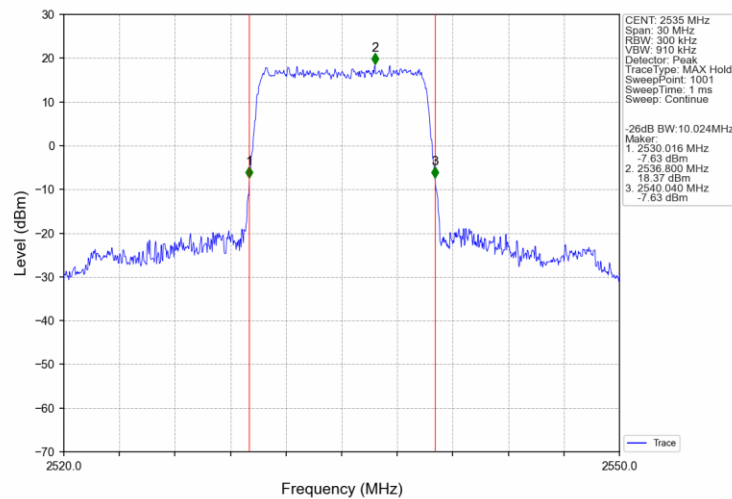
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



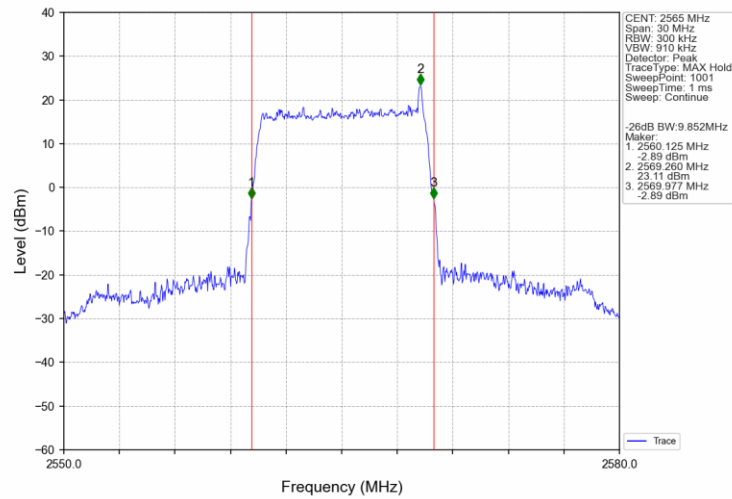
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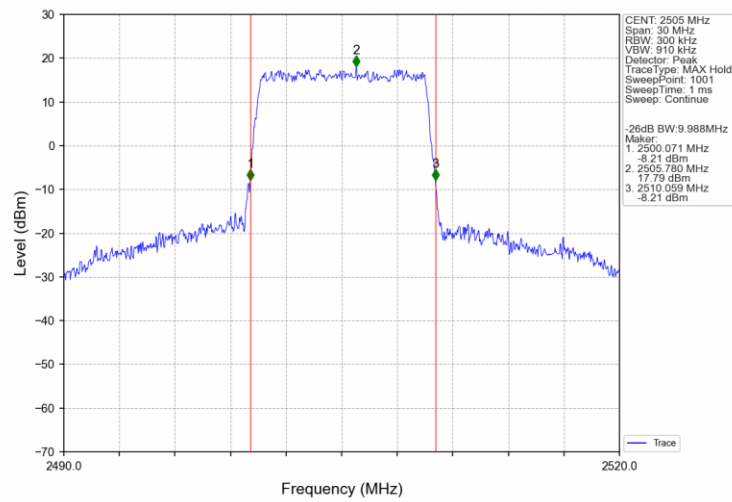
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



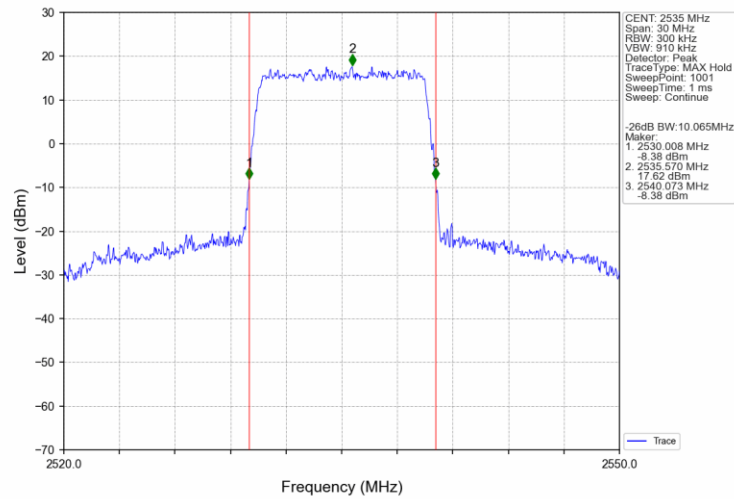
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



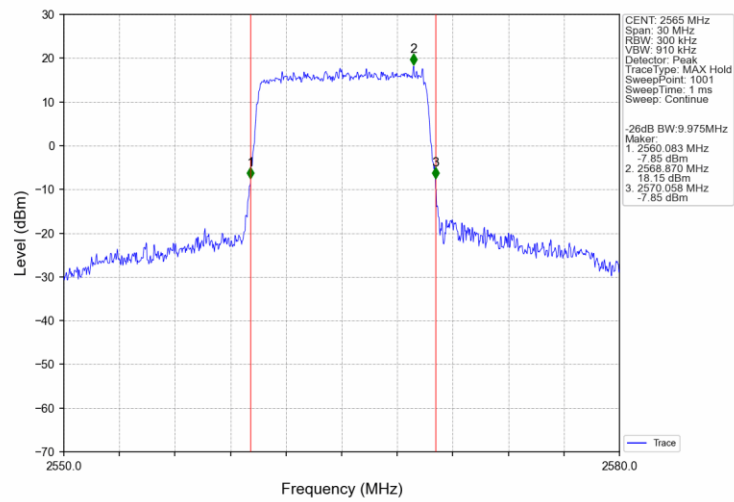
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTN



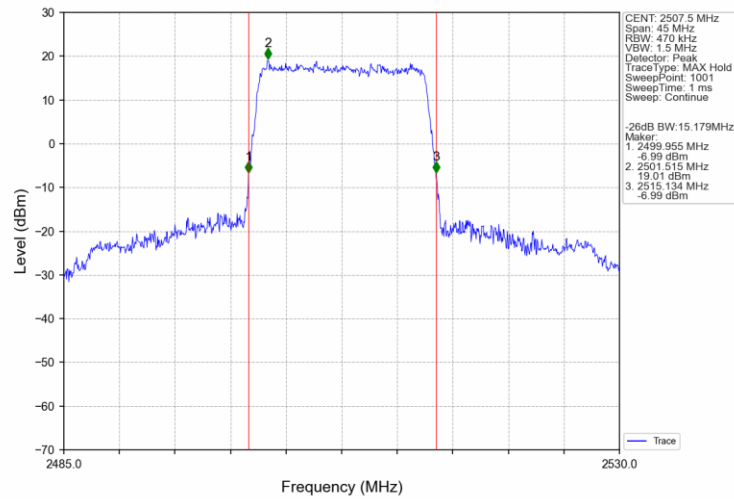
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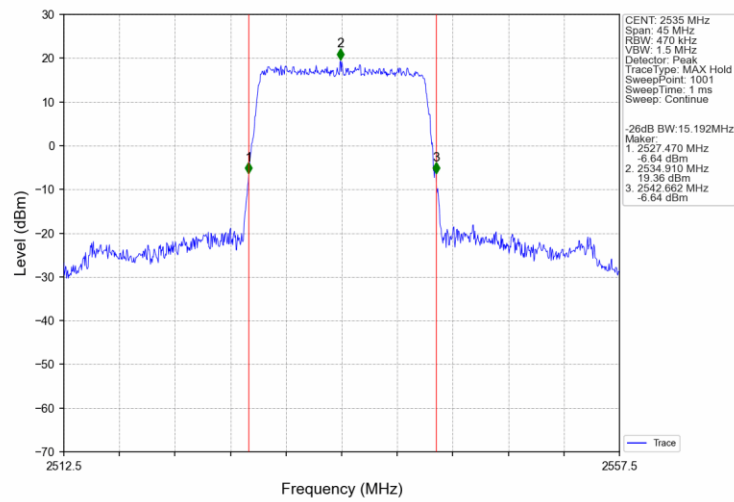
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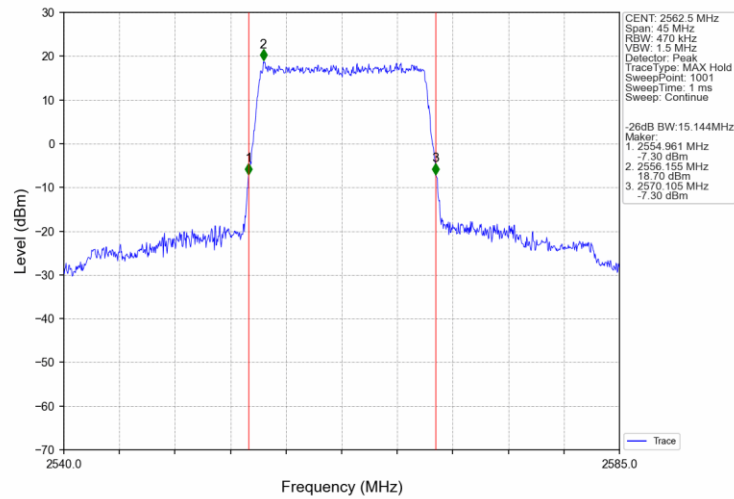
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



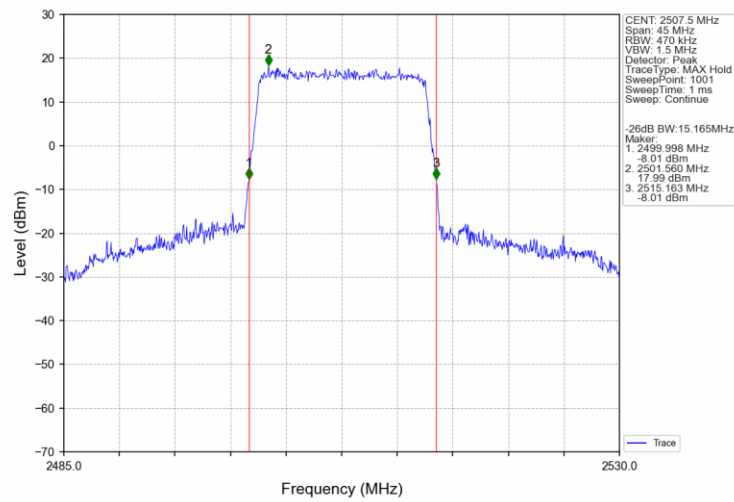
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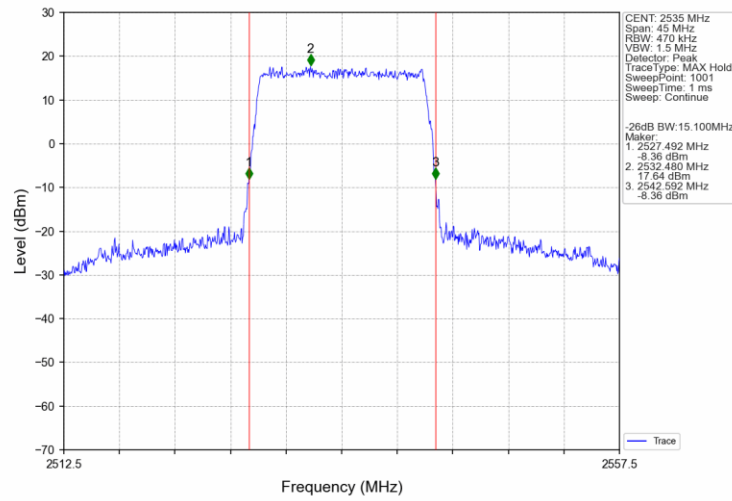
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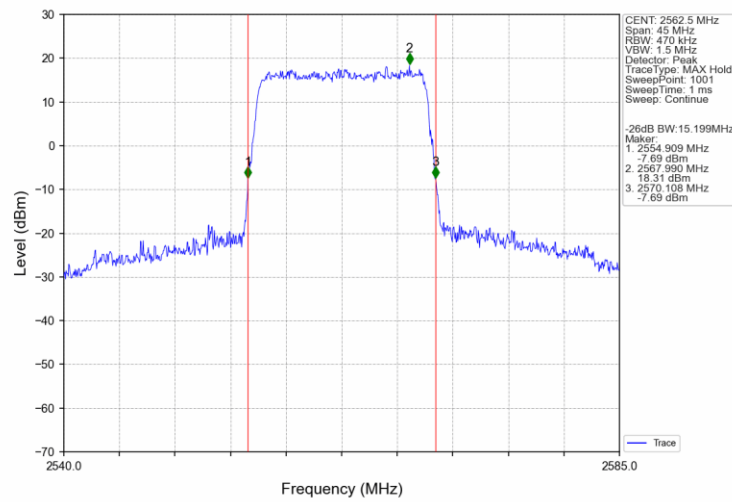
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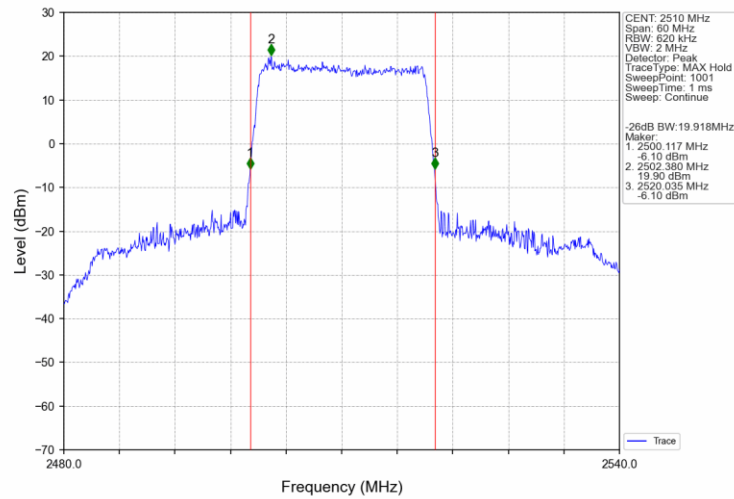
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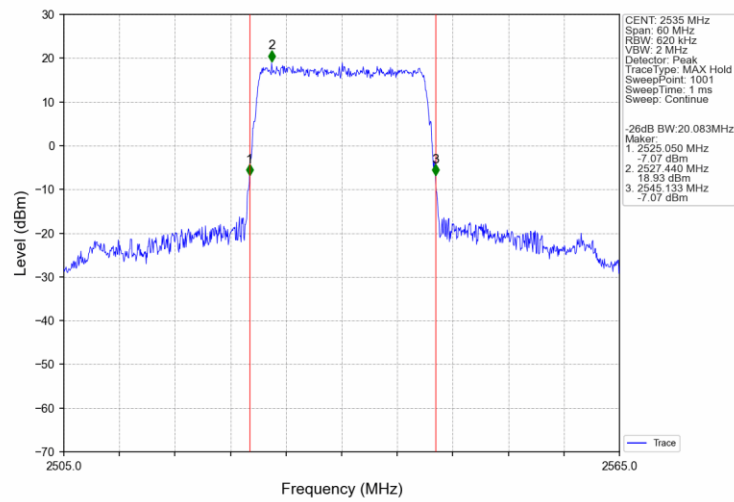
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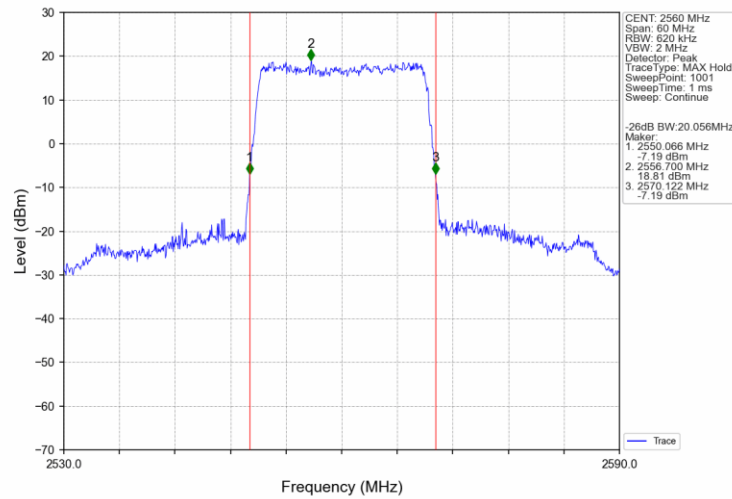
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



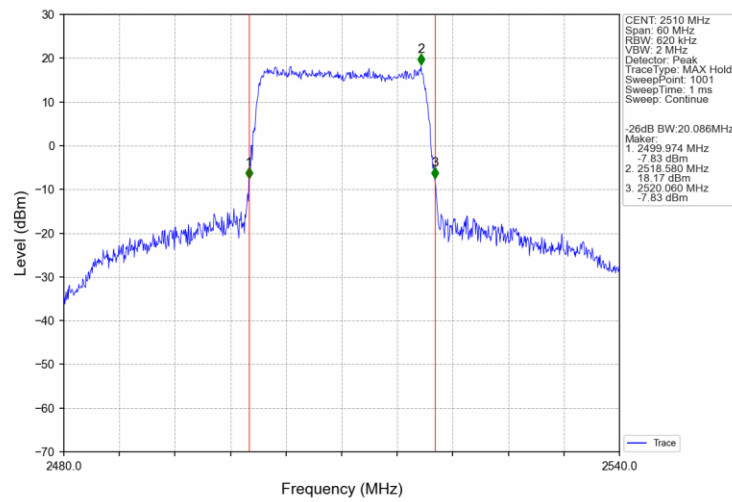
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



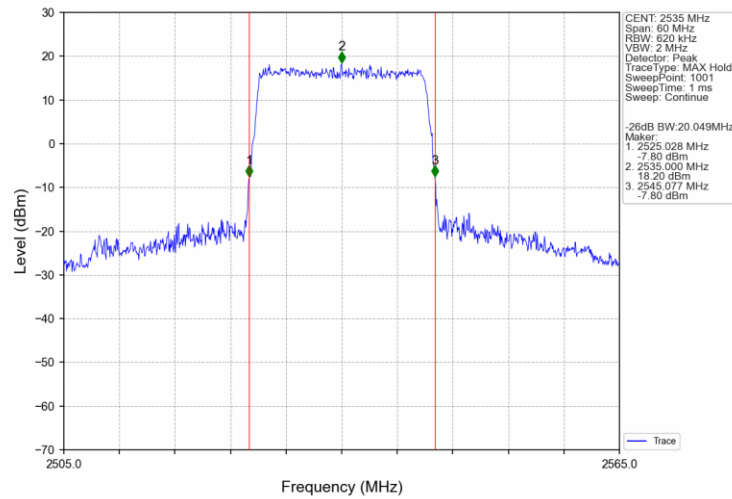
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



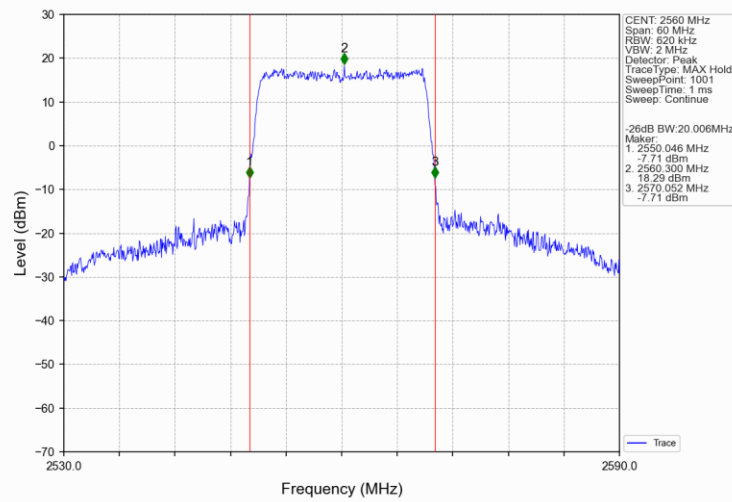
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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	5.24	<=13	Pass
	2535	25	0	5.52	<=13	Pass
	2567.5	25	0	5.41	<=13	Pass
16QAM	2502.5	25	0	6.06	<=13	Pass
	2535	25	0	6.31	<=13	Pass
	2567.5	25	0	6.13	<=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	5.37	<=13	Pass
	2535	50	0	5.53	<=13	Pass
	2565	50	0	5.47	<=13	Pass
16QAM	2505	50	0	6.16	<=13	Pass
	2535	50	0	6.35	<=13	Pass
	2565	50	0	6.29	<=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	5.15	<=13	Pass
	2535	75	0	5.15	<=13	Pass
	2562.5	75	0	5.18	<=13	Pass
16QAM	2507.5	75	0	6.16	<=13	Pass
	2535	75	0	6.23	<=13	Pass
	2562.5	75	0	6.26	<=13	Pass

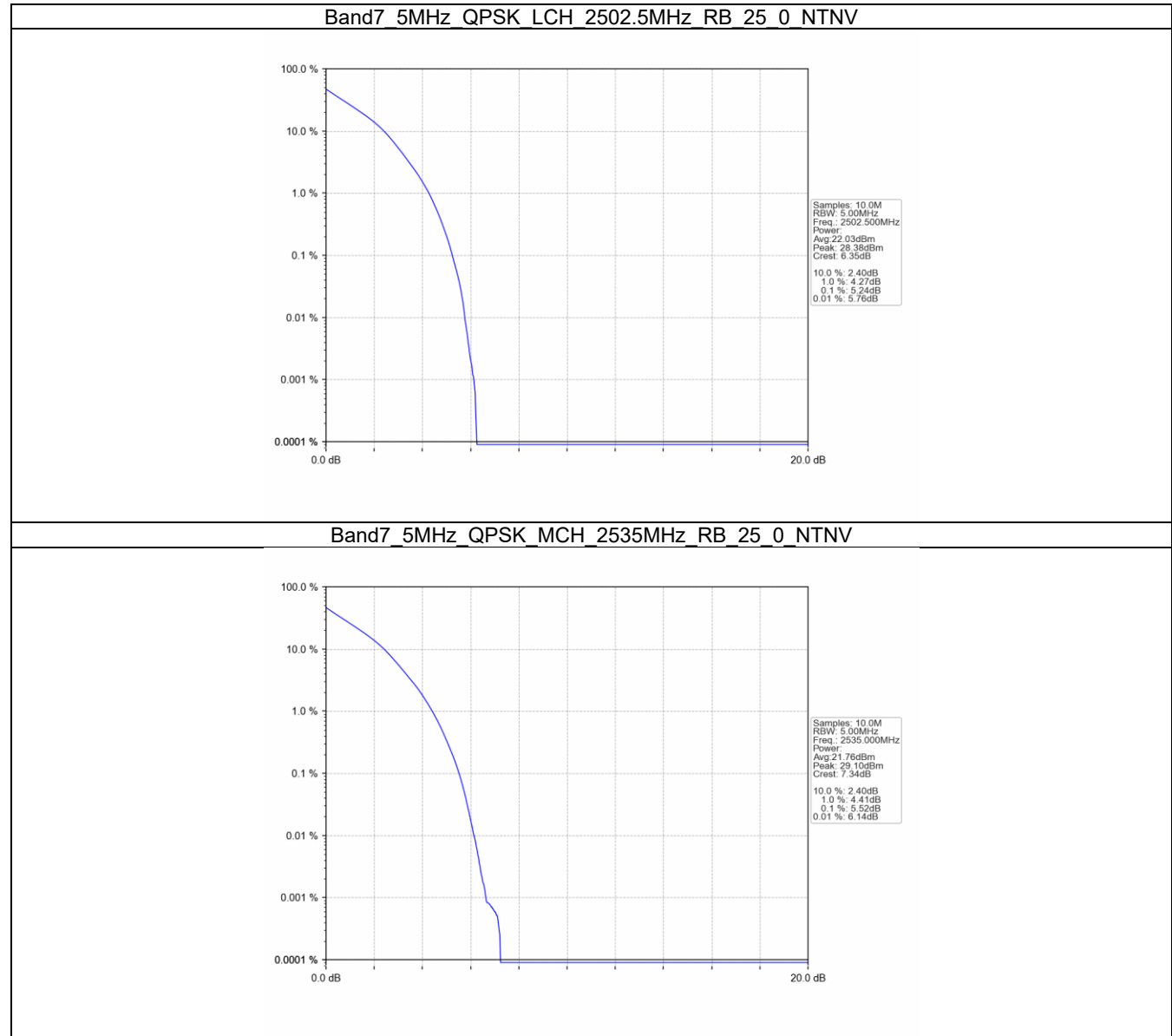
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.64	<=13	Pass
	2535	100	0	5.68	<=13	Pass
	2560	100	0	5.73	<=13	Pass
16QAM	2510	100	0	6.70	<=13	Pass
	2535	100	0	6.65	<=13	Pass
	2560	100	0	6.67	<=13	Pass

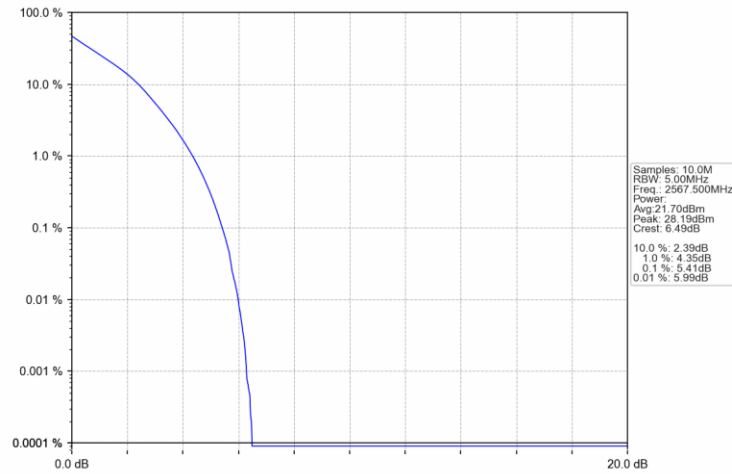


5.2 Test Graph

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

