

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	22.81	0.82	23.63	<=33.01	Pass	
			25	22.62	0.82	23.44	<=33.01	Pass	
			49	22.40	0.82	23.22	<=33.01	Pass	
		25	0	21.91	0.82	22.73	<=33.01	Pass	
			13	21.88	0.82	22.70	<=33.01	Pass	
			25	21.99	0.82	22.81	<=33.01	Pass	
		50	0	21.98	0.82	22.80	<=33.01	Pass	
		2535	1	0	22.37	0.82	23.19	<=33.01	Pass
				25	22.43	0.82	23.25	<=33.01	Pass
	49			22.46	0.82	23.28	<=33.01	Pass	
	25		0	22.01	0.82	22.83	<=33.01	Pass	
			13	21.95	0.82	22.77	<=33.01	Pass	
			25	22.04	0.82	22.86	<=33.01	Pass	
	50	0	22.07	0.82	22.89	<=33.01	Pass		
	2565	1	0	22.43	0.82	23.25	<=33.01	Pass	
			25	22.45	0.82	23.27	<=33.01	Pass	
			49	22.42	0.82	23.24	<=33.01	Pass	
		25	0	21.91	0.82	22.73	<=33.01	Pass	
			13	21.92	0.82	22.74	<=33.01	Pass	
			25	21.89	0.82	22.71	<=33.01	Pass	
		50	0	21.93	0.82	22.75	<=33.01	Pass	
16QAM		2505	1	0	21.42	0.82	22.24	<=33.01	Pass
				25	21.45	0.82	22.27	<=33.01	Pass
	49			21.43	0.82	22.25	<=33.01	Pass	
	25		0	21.01	0.82	21.83	<=33.01	Pass	
			13	21.00	0.82	21.82	<=33.01	Pass	
			25	21.08	0.82	21.90	<=33.01	Pass	
	50		0	20.98	0.82	21.80	<=33.01	Pass	
	2535	1	0	21.60	0.82	22.42	<=33.01	Pass	
			25	21.64	0.82	22.46	<=33.01	Pass	
			49	21.66	0.82	22.48	<=33.01	Pass	
		25	0	21.03	0.82	21.85	<=33.01	Pass	
			13	20.98	0.82	21.80	<=33.01	Pass	
			25	21.05	0.82	21.87	<=33.01	Pass	
	50	0	21.05	0.82	21.87	<=33.01	Pass		
	2565	1	0	21.92	0.82	22.74	<=33.01	Pass	
			25	21.87	0.82	22.69	<=33.01	Pass	
			49	21.77	0.82	22.59	<=33.01	Pass	
		25	0	20.98	0.82	21.80	<=33.01	Pass	
			13	20.97	0.82	21.79	<=33.01	Pass	
			25	20.92	0.82	21.74	<=33.01	Pass	
		50	0	20.94	0.82	21.76	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	22.71	0.82	23.53	<=33.01	Pass
			38	22.32	0.82	23.14	<=33.01	Pass
			74	22.25	0.82	23.07	<=33.01	Pass
		36	0	21.80	0.82	22.62	<=33.01	Pass
			18	21.88	0.82	22.70	<=33.01	Pass
			39	21.95	0.82	22.77	<=33.01	Pass

	2535	75	0	21.90	0.82	22.72	<=33.01	Pass	
		1	0	22.28	0.82	23.10	<=33.01	Pass	
			38	22.43	0.82	23.25	<=33.01	Pass	
			74	22.39	0.82	23.21	<=33.01	Pass	
			36	0	21.95	0.82	22.77	<=33.01	Pass
		18		21.95	0.82	22.77	<=33.01	Pass	
		39		21.98	0.82	22.80	<=33.01	Pass	
		75	0	22.01	0.82	22.83	<=33.01	Pass	
		2562.5	1	0	22.31	0.82	23.13	<=33.01	Pass
				38	22.42	0.82	23.24	<=33.01	Pass
	74			22.34	0.82	23.16	<=33.01	Pass	
	36		0	21.92	0.82	22.74	<=33.01	Pass	
			18	21.85	0.82	22.67	<=33.01	Pass	
			39	21.86	0.82	22.68	<=33.01	Pass	
	75	0	21.92	0.82	22.74	<=33.01	Pass		
	16QAM	2507.5	1	0	21.66	0.82	22.48	<=33.01	Pass
38				21.76	0.82	22.58	<=33.01	Pass	
74				21.72	0.82	22.54	<=33.01	Pass	
36			0	20.80	0.82	21.62	<=33.01	Pass	
			18	20.86	0.82	21.68	<=33.01	Pass	
			39	20.95	0.82	21.77	<=33.01	Pass	
75			0	20.91	0.82	21.73	<=33.01	Pass	
2535		1	0	21.53	0.82	22.35	<=33.01	Pass	
			38	21.65	0.82	22.47	<=33.01	Pass	
			74	21.65	0.82	22.47	<=33.01	Pass	
		36	0	20.99	0.82	21.81	<=33.01	Pass	
			18	20.96	0.82	21.78	<=33.01	Pass	
			39	20.99	0.82	21.81	<=33.01	Pass	
75		0	20.97	0.82	21.79	<=33.01	Pass		
2562.5		1	0	21.85	0.82	22.67	<=33.01	Pass	
			38	21.89	0.82	22.71	<=33.01	Pass	
			74	21.73	0.82	22.55	<=33.01	Pass	
		36	0	20.96	0.82	21.78	<=33.01	Pass	
			18	20.93	0.82	21.75	<=33.01	Pass	
			39	20.86	0.82	21.68	<=33.01	Pass	
		75	0	20.91	0.82	21.73	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	22.62	0.82	23.44	<=33.01	Pass
			50	22.32	0.82	23.14	<=33.01	Pass
			99	22.23	0.82	23.05	<=33.01	Pass
		50	0	21.78	0.82	22.60	<=33.01	Pass
			25	21.87	0.82	22.69	<=33.01	Pass
			50	21.92	0.82	22.74	<=33.01	Pass
		100	0	21.84	0.82	22.66	<=33.01	Pass
	2535	1	0	22.27	0.82	23.09	<=33.01	Pass
			50	22.47	0.82	23.29	<=33.01	Pass
			99	22.39	0.82	23.21	<=33.01	Pass
		50	0	22.03	0.82	22.85	<=33.01	Pass
			25	22.05	0.82	22.87	<=33.01	Pass
			50	22.12	0.82	22.94	<=33.01	Pass
		100	0	22.04	0.82	22.86	<=33.01	Pass

	2560	1	0	22.29	0.82	23.11	<=33.01	Pass		
			50	22.38	0.82	23.20	<=33.01	Pass		
			99	22.15	0.82	22.97	<=33.01	Pass		
		50	0	22.05	0.82	22.87	<=33.01	Pass		
			25	21.97	0.82	22.79	<=33.01	Pass		
			50	21.95	0.82	22.77	<=33.01	Pass		
		100	0	21.99	0.82	22.81	<=33.01	Pass		
		16QAM	2510	1	0	21.90	0.82	22.72	<=33.01	Pass
					50	21.97	0.82	22.79	<=33.01	Pass
99	21.88				0.82	22.70	<=33.01	Pass		
50	0			20.77	0.82	21.59	<=33.01	Pass		
	25			20.88	0.82	21.70	<=33.01	Pass		
	50			20.89	0.82	21.71	<=33.01	Pass		
100	0			20.84	0.82	21.66	<=33.01	Pass		
2535	1			0	21.55	0.82	22.37	<=33.01	Pass	
				50	21.70	0.82	22.52	<=33.01	Pass	
			99	21.61	0.82	22.43	<=33.01	Pass		
	50		0	21.04	0.82	21.86	<=33.01	Pass		
			25	21.04	0.82	21.86	<=33.01	Pass		
			50	21.10	0.82	21.92	<=33.01	Pass		
	100		0	21.05	0.82	21.87	<=33.01	Pass		
	2560		1	0	21.61	0.82	22.43	<=33.01	Pass	
				50	21.65	0.82	22.47	<=33.01	Pass	
99				21.42	0.82	22.24	<=33.01	Pass		
50			0	21.03	0.82	21.85	<=33.01	Pass		
		25	20.94	0.82	21.76	<=33.01	Pass			
		50	20.91	0.82	21.73	<=33.01	Pass			
100		0	21.00	0.82	21.82	<=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	-11.802	-0.0047	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
					4.43	4.220	0.0017	-2.5 to 2.5	Pass
				-30	3.85	5.379	0.0021	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0007	-2.5 to 2.5	Pass
					3.85	2.933	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.087	0.0004	-2.5 to 2.5	Pass
					3.85	2.146	0.0009	-2.5 to 2.5	Pass
					3.85	5.808	0.0023	-2.5 to 2.5	Pass
				40	3.85	1.574	0.0006	-2.5 to 2.5	Pass
					3.85	-2.933	-0.0012	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-103.684	-0.0409	-2.5 to 2.5	Pass
					3.85	6.094	0.0024	-2.5 to 2.5	Pass
					4.43	4.392	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.877	0.0015	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0009	-2.5 to 2.5	Pass
					3.85	1.373	0.0005	-2.5 to 2.5	Pass

				0	3.85	-7.253	-0.0029	-2.5 to 2.5	Pass
				10	3.85	4.020	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-110.006	-0.0428	-2.5 to 2.5	Pass
					3.85	0.987	0.0004	-2.5 to 2.5	Pass
					4.43	3.333	0.0013	-2.5 to 2.5	Pass
				-30	3.85	10.743	0.0042	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.701	0.0003	-2.5 to 2.5	Pass
				0	3.85	4.191	0.0016	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.821	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-10.414	-0.0041	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-0.300	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0013	-2.5 to 2.5	Pass
					4.43	-8.469	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	4.349	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				0	3.85	3.777	0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.550	-0.0022	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0001	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	3.977	0.0016	-2.5 to 2.5	Pass
					3.85	6.809	0.0027	-2.5 to 2.5	Pass
					4.43	-16.308	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-11.473	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-1.373	-0.0005	-2.5 to 2.5	Pass
				0	3.85	5.221	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.233	0.0013	-2.5 to 2.5	Pass
				30	3.85	5.937	0.0023	-2.5 to 2.5	Pass
				40	3.85	-15.535	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	3.519	0.0014	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0034	-2.5 to 2.5	Pass
					4.43	-9.527	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-5.436	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.493	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-7.653	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-8.082	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0035	-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	-38.838	-0.0155	-2.5 to 2.5	Pass
					3.85	4.349	0.0017	-2.5 to 2.5	Pass

					4.43	7.796	0.0031	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-6.666	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.706	0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0002	-2.5 to 2.5	Pass
	50	3.85	4.821	0.0019	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	-42.486	-0.0168	-2.5 to 2.5	Pass
					3.85	0.157	0.0001	-2.5 to 2.5	Pass
					4.43	1.860	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	6.638	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-2.918	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.992	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
	30	3.85	3.347	0.0013	-2.5 to 2.5	Pass			
	40	3.85	4.363	0.0017	-2.5 to 2.5	Pass			
	50	3.85	1.044	0.0004	-2.5 to 2.5	Pass			
	2565	50	0	20	3.27	-49.925	-0.0195	-2.5 to 2.5	Pass
					3.85	1.588	0.0006	-2.5 to 2.5	Pass
					4.43	0.987	0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.117	0.0008	-2.5 to 2.5	Pass
				-20	3.85	3.848	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass
				0	3.85	4.220	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.136	0.0020	-2.5 to 2.5	Pass
	30	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass			
	40	3.85	3.648	0.0014	-2.5 to 2.5	Pass			
50	3.85	0.229	0.0001	-2.5 to 2.5	Pass				
16QAM	2505	50	0	20	3.27	2.818	0.0011	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.017	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.489	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0005	-2.5 to 2.5	Pass
				0	3.85	5.708	0.0023	-2.5 to 2.5	Pass
				10	3.85	3.619	0.0014	-2.5 to 2.5	Pass
				30	3.85	4.048	0.0016	-2.5 to 2.5	Pass
				40	3.85	4.792	0.0019	-2.5 to 2.5	Pass
	50	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	4.964	0.0020	-2.5 to 2.5	Pass
					3.85	-6.680	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-3.433	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.644	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
				30	3.85	3.076	0.0012	-2.5 to 2.5	Pass
				40	3.85	-7.052	-0.0028	-2.5 to 2.5	Pass
	50	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass			
	2565	50	0	20	3.27	7.939	0.0031	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	1.230	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	2.604	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-9.613	-0.0037	-2.5 to 2.5	Pass

				0	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0009	-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	-20.270	-0.0081	-2.5 to 2.5	Pass
					3.85	6.838	0.0027	-2.5 to 2.5	Pass
					4.43	8.998	0.0036	-2.5 to 2.5	Pass
				-30	3.85	5.279	0.0021	-2.5 to 2.5	Pass
				-20	3.85	7.339	0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0010	-2.5 to 2.5	Pass
				0	3.85	6.223	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.566	0.0026	-2.5 to 2.5	Pass
				30	3.85	0.901	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-34.118	-0.0135	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	3.734	0.0015	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
				50	3.85	1.860	0.0007	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-32.158	-0.0125	-2.5 to 2.5	Pass
					3.85	1.159	0.0005	-2.5 to 2.5	Pass
					4.43	3.591	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-6.123	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass
				40	3.85	4.921	0.0019	-2.5 to 2.5	Pass
				50	3.85	3.047	0.0012	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	0.944	0.0004	-2.5 to 2.5	Pass
					3.85	-4.907	-0.0020	-2.5 to 2.5	Pass
					4.43	6.180	0.0025	-2.5 to 2.5	Pass
				-30	3.85	4.349	0.0017	-2.5 to 2.5	Pass
				-20	3.85	5.536	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.174	0.0009	-2.5 to 2.5	Pass
				10	3.85	4.821	0.0019	-2.5 to 2.5	Pass
				30	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0006	-2.5 to 2.5	Pass
				50	3.85	7.896	0.0031	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-1.202	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.319	-0.0013	-2.5 to 2.5	Pass

					4.43	1.216	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.317	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0005	-2.5 to 2.5	Pass
				0	3.85	6.852	0.0027	-2.5 to 2.5	Pass
				10	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				40	3.85	3.419	0.0013	-2.5 to 2.5	Pass
				50	3.85	6.652	0.0026	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	4.506	0.0018	-2.5 to 2.5	Pass
					3.85	0.887	0.0003	-2.5 to 2.5	Pass
					4.43	-8.483	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.947	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.545	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.719	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.977	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0006	-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	-15.950	-0.0064	-2.5 to 2.5	Pass
					3.85	2.661	0.0011	-2.5 to 2.5	Pass
					4.43	5.007	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.860	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.676	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0023	-2.5 to 2.5	Pass
				10	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				30	3.85	3.619	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.845	0.0007	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-28.553	-0.0113	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
					4.43	7.224	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				0	3.85	5.107	0.0020	-2.5 to 2.5	Pass
				10	3.85	1.588	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-26.979	-0.0105	-2.5 to 2.5	Pass
					3.85	3.691	0.0014	-2.5 to 2.5	Pass
					4.43	3.233	0.0013	-2.5 to 2.5	Pass
				-30	3.85	4.148	0.0016	-2.5 to 2.5	Pass
				-20	3.85	4.535	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.916	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.632	0.0010	-2.5 to 2.5	Pass

16QAM	2510	100	0	40	3.85	3.934	0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0014	-2.5 to 2.5	Pass
				20	3.27	4.435	0.0018	-2.5 to 2.5	Pass
					3.85	5.193	0.0021	-2.5 to 2.5	Pass
					4.43	0.644	0.0003	-2.5 to 2.5	Pass
				-30	3.85	3.705	0.0015	-2.5 to 2.5	Pass
				-20	3.85	6.566	0.0026	-2.5 to 2.5	Pass
				-10	3.85	4.177	0.0017	-2.5 to 2.5	Pass
				0	3.85	0.772	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0003	-2.5 to 2.5	Pass
	2535	100	0	30	3.85	5.550	0.0022	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0004	-2.5 to 2.5	Pass
				50	3.85	3.963	0.0016	-2.5 to 2.5	Pass
				20	3.27	5.708	0.0023	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	5.879	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
	2560	100	0	10	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				30	3.85	2.074	0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				20	3.27	3.676	0.0014	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.801	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				0	3.85	1.860	0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				50	3.85	3.791	0.0015	-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	
		Size	Offset	Result	Limit
QPSK	2535	25	0	Refer To Test Graph	
16QAM	2535	25	0	Refer To Test Graph	

3.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	2535	50	0	Refer To Test Graph	
16QAM	2535	50	0	Refer To Test Graph	

3.1.3 B7_15MHz

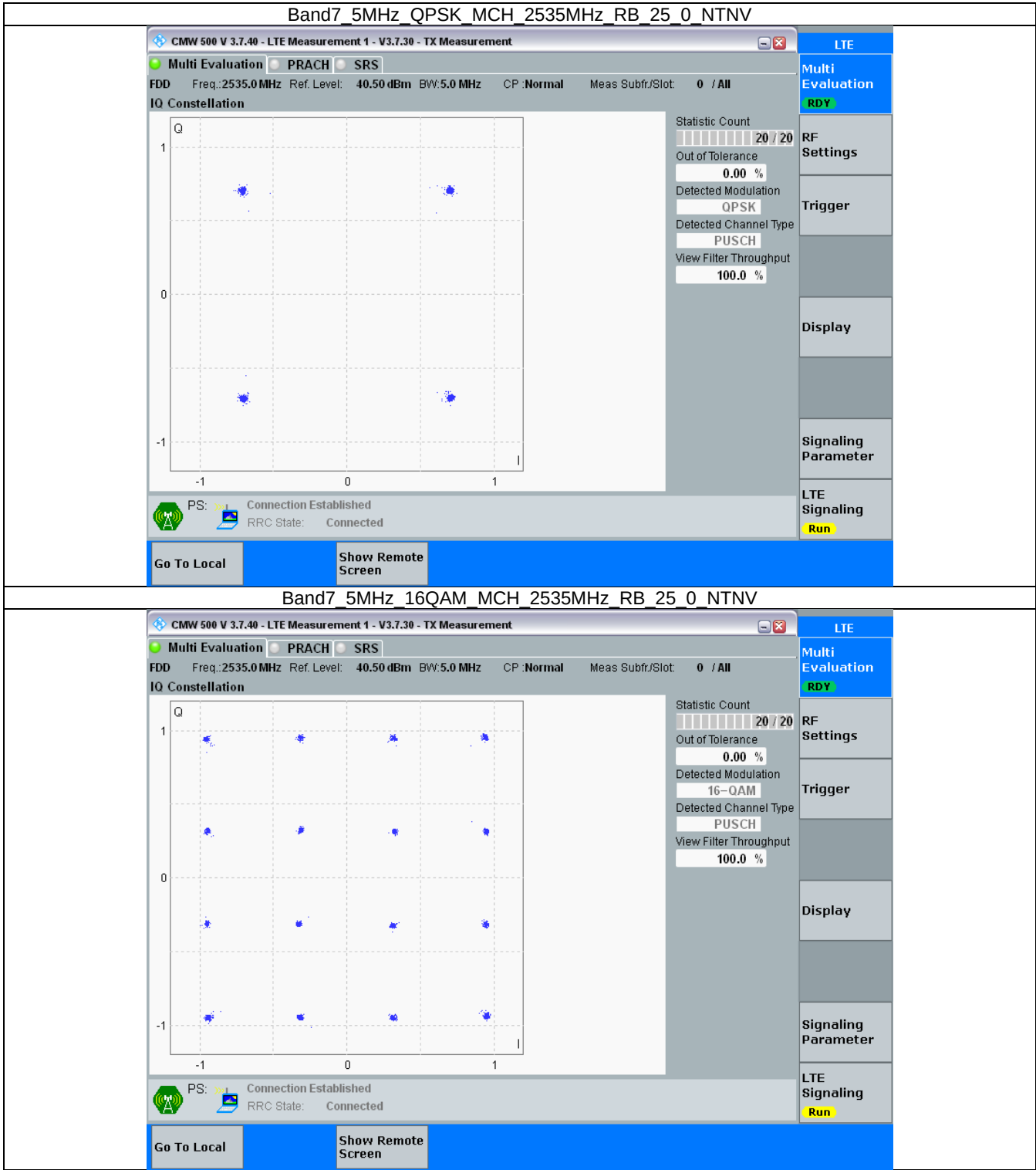
Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

3.1.4 B7_20MHz

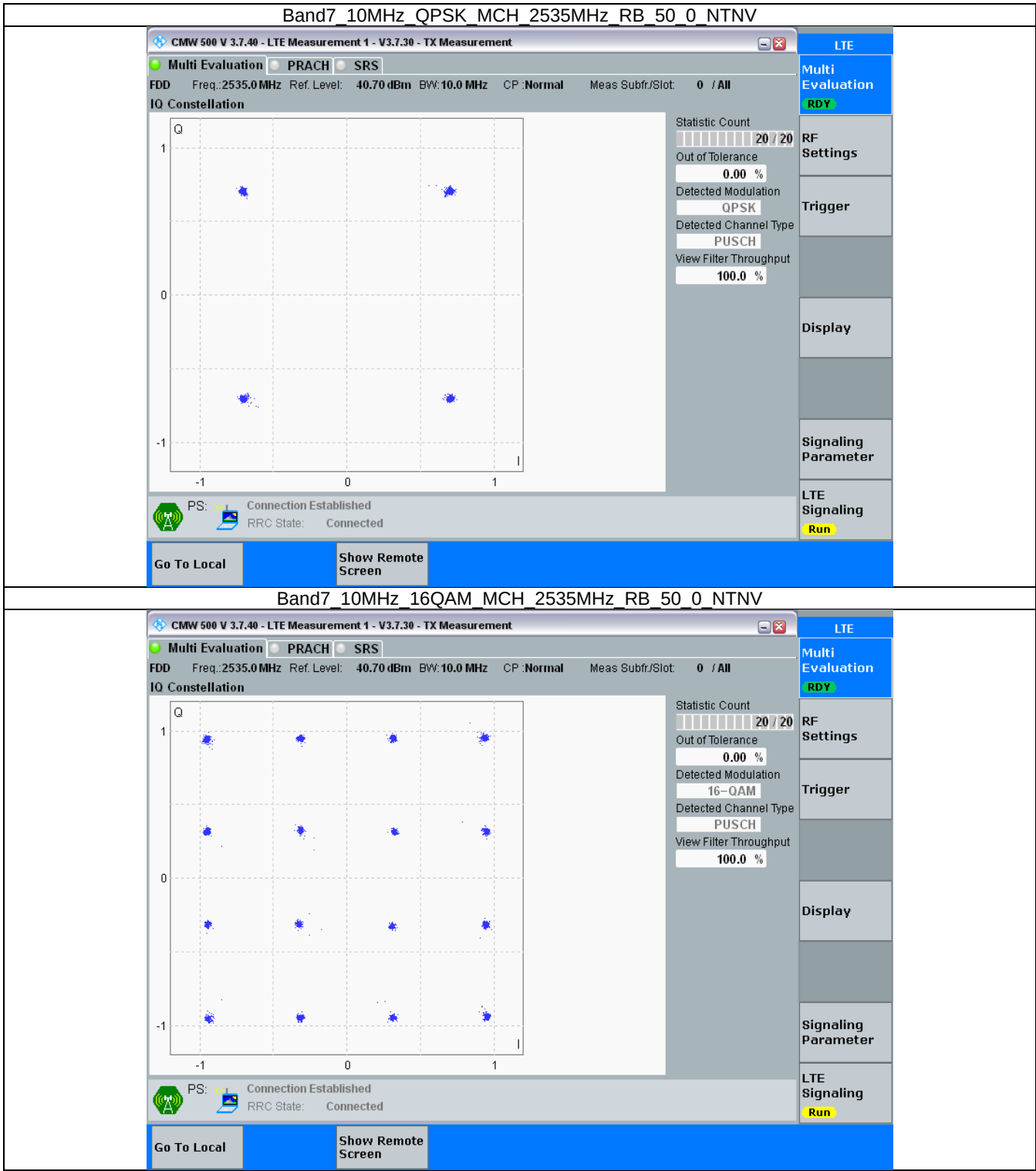
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

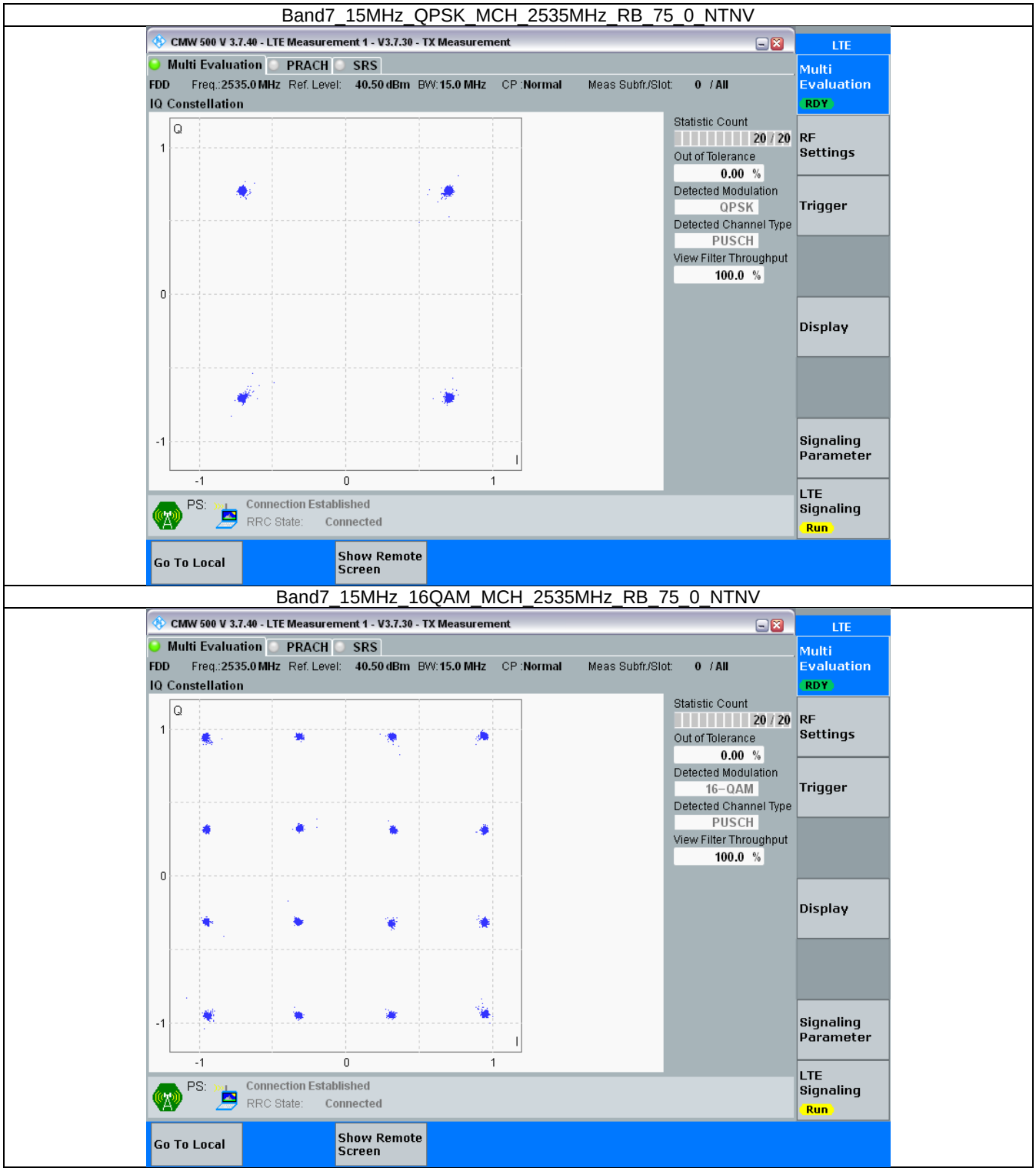
3.2.1 B7_5MHz



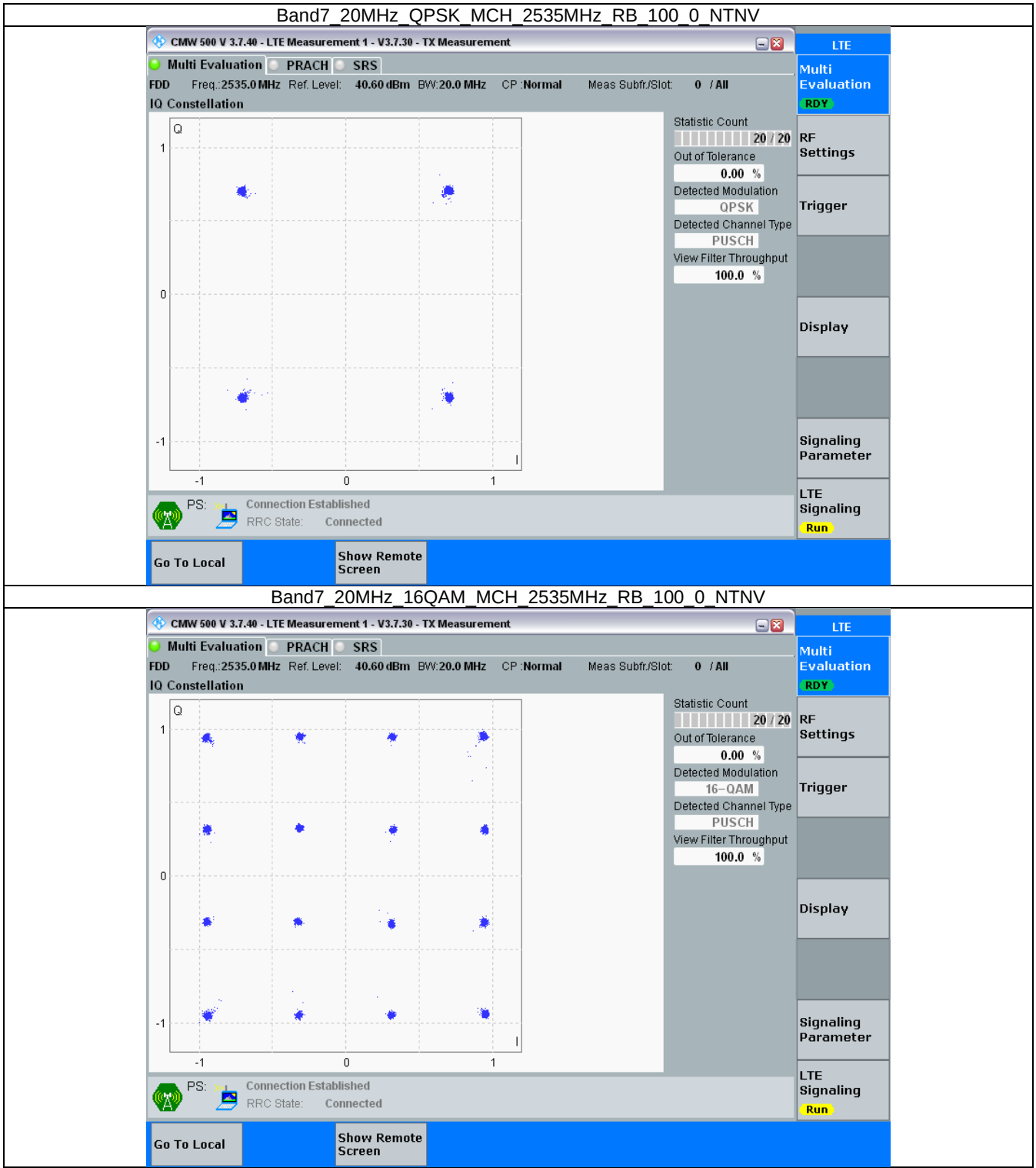
3.2.2 B7_10MHz



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	4.546	/	Pass
		2535	25	0	4.565	/	Pass
		2567.5	25	0	4.543	/	Pass
	16QAM	2502.5	25	0	4.559	/	Pass
		2535	25	0	4.541	/	Pass
		2567.5	25	0	4.555	/	Pass
10	QPSK	2505	50	0	9.085	/	Pass
		2535	50	0	9.049	/	Pass
		2565	50	0	9.090	/	Pass
	16QAM	2505	50	0	9.068	/	Pass
		2535	50	0	9.059	/	Pass
		2565	50	0	9.083	/	Pass
15	QPSK	2507.5	75	0	13.595	/	Pass
		2535	75	0	13.591	/	Pass
		2562.5	75	0	13.609	/	Pass
	16QAM	2507.5	75	0	13.625	/	Pass
		2535	75	0	13.607	/	Pass
		2562.5	75	0	13.619	/	Pass
20	QPSK	2510	100	0	18.070	/	Pass
		2535	100	0	18.205	/	Pass
		2560	100	0	18.094	/	Pass
	16QAM	2510	100	0	18.089	/	Pass
		2535	100	0	18.131	/	Pass
		2560	100	0	18.129	/	Pass

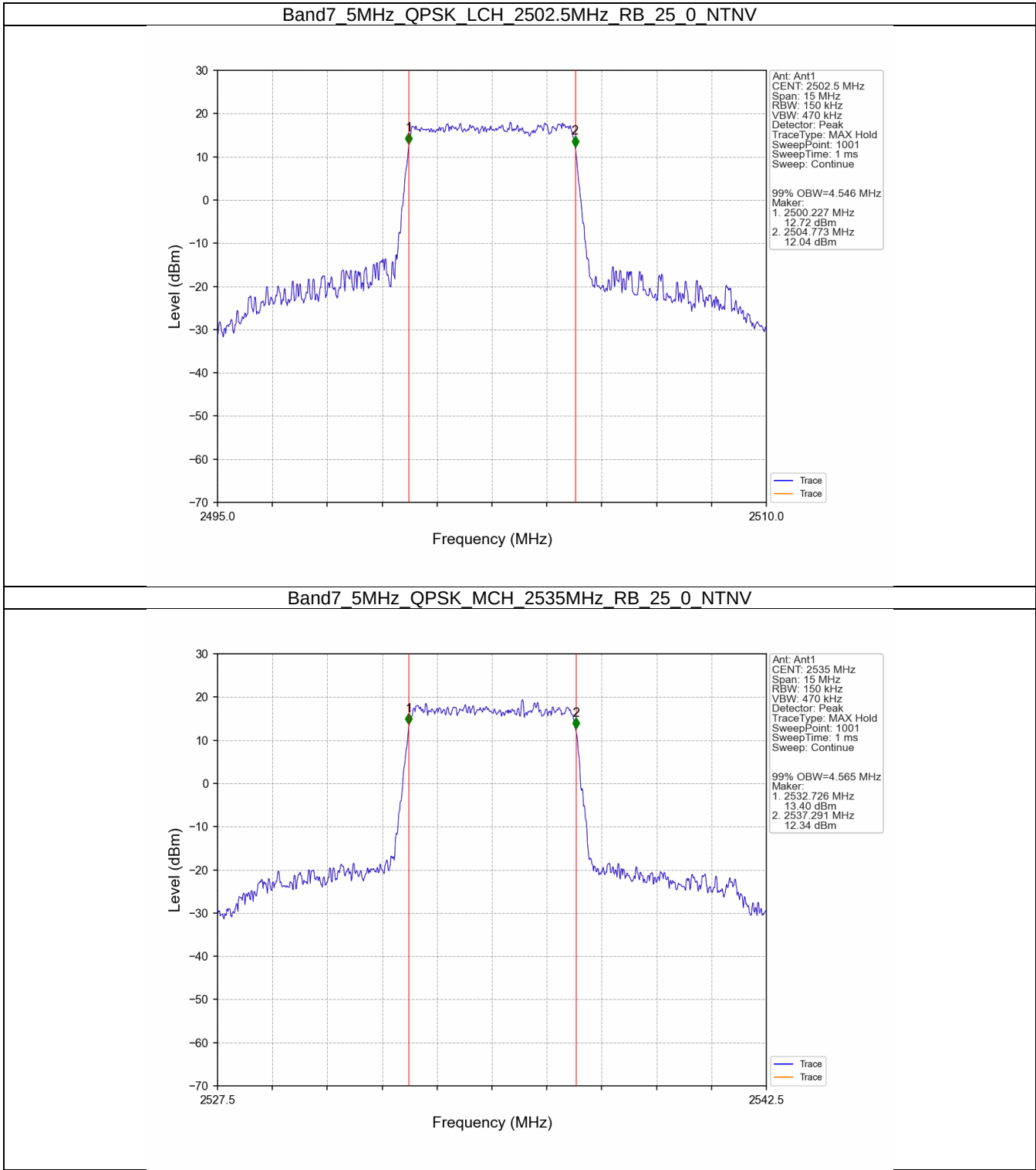
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.079	/	Pass
		2535	25	0	5.081	/	Pass
		2567.5	25	0	5.062	/	Pass
	16QAM	2502.5	25	0	5.049	/	Pass
		2535	25	0	5.047	/	Pass
		2567.5	25	0	5.087	/	Pass
10	QPSK	2505	50	0	10.023	/	Pass
		2535	50	0	9.973	/	Pass
		2565	50	0	10.007	/	Pass
	16QAM	2505	50	0	9.965	/	Pass
		2535	50	0	9.869	/	Pass
		2565	50	0	9.966	/	Pass
15	QPSK	2507.5	75	0	14.946	/	Pass
		2535	75	0	14.924	/	Pass
		2562.5	75	0	15.004	/	Pass

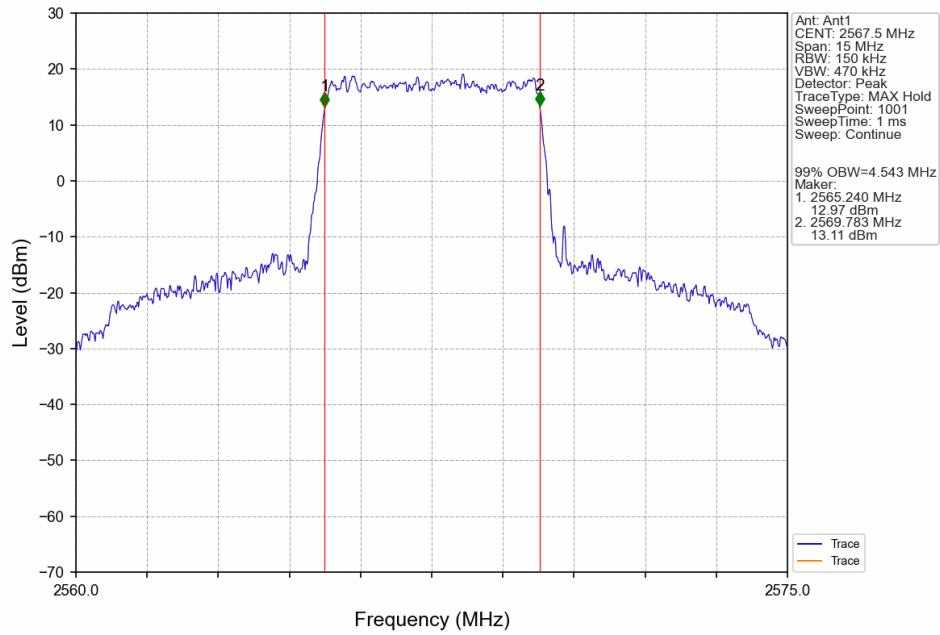
	16QAM	2507.5	75	0	15.018	/	Pass
		2535	75	0	14.899	/	Pass
		2562.5	75	0	14.878	/	Pass
20	QPSK	2510	100	0	19.840	/	Pass
		2535	100	0	19.817	/	Pass
		2560	100	0	19.633	/	Pass
	16QAM	2510	100	0	19.833	/	Pass
		2535	100	0	19.815	/	Pass
		2560	100	0	19.742	/	Pass

4.2 Test Graph

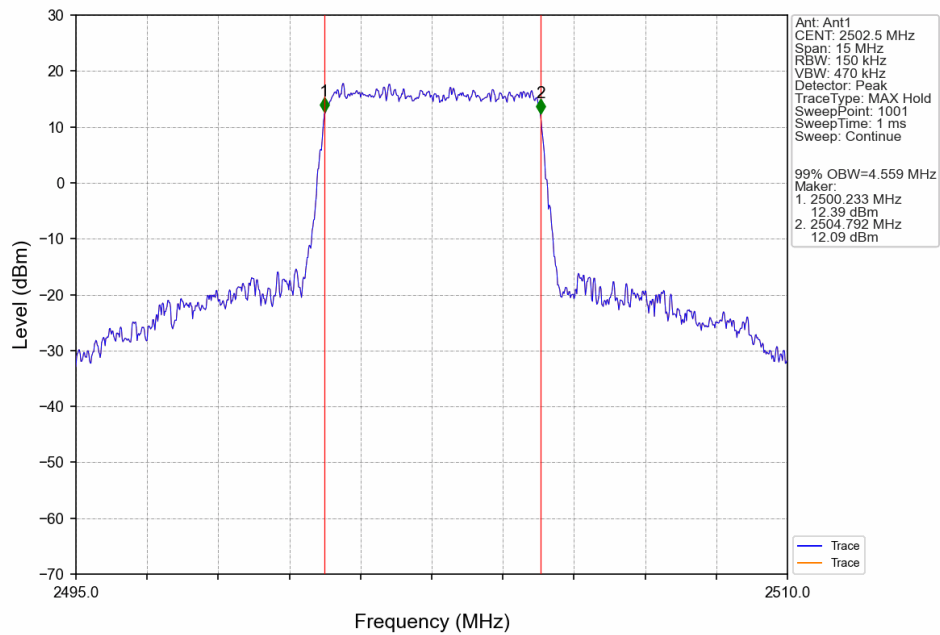
4.2.1 Band7_OBW



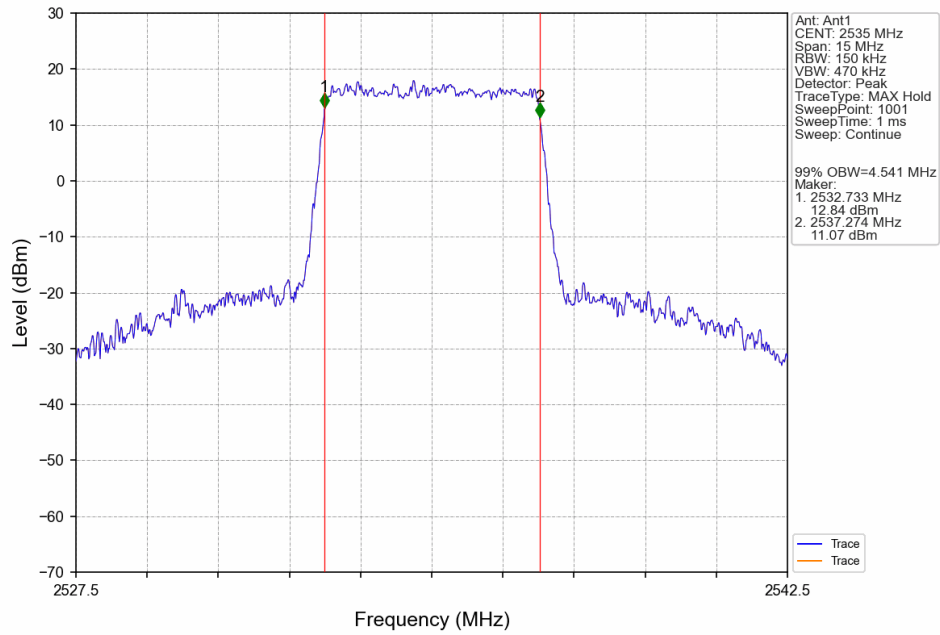
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTNV



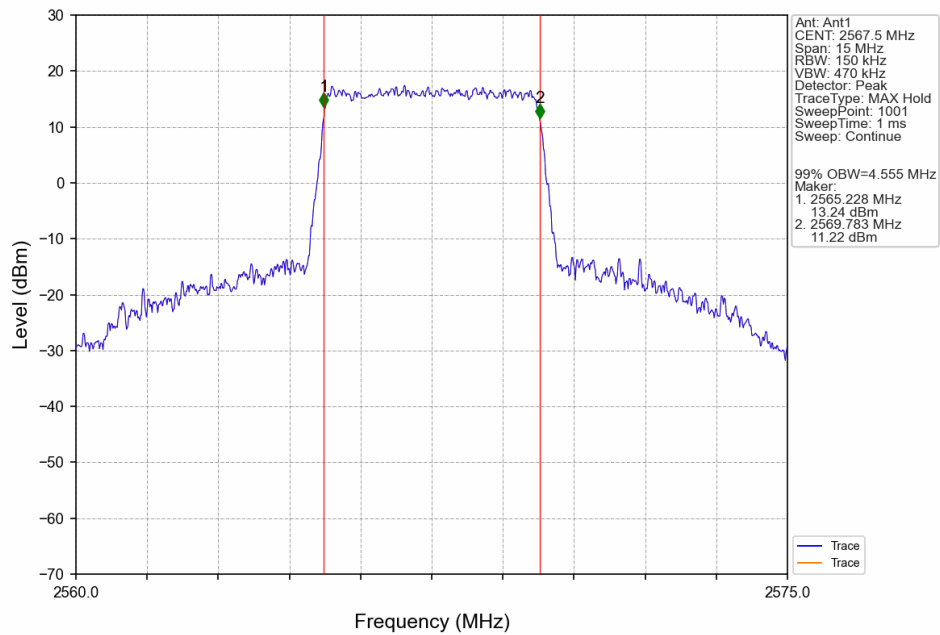
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTNV



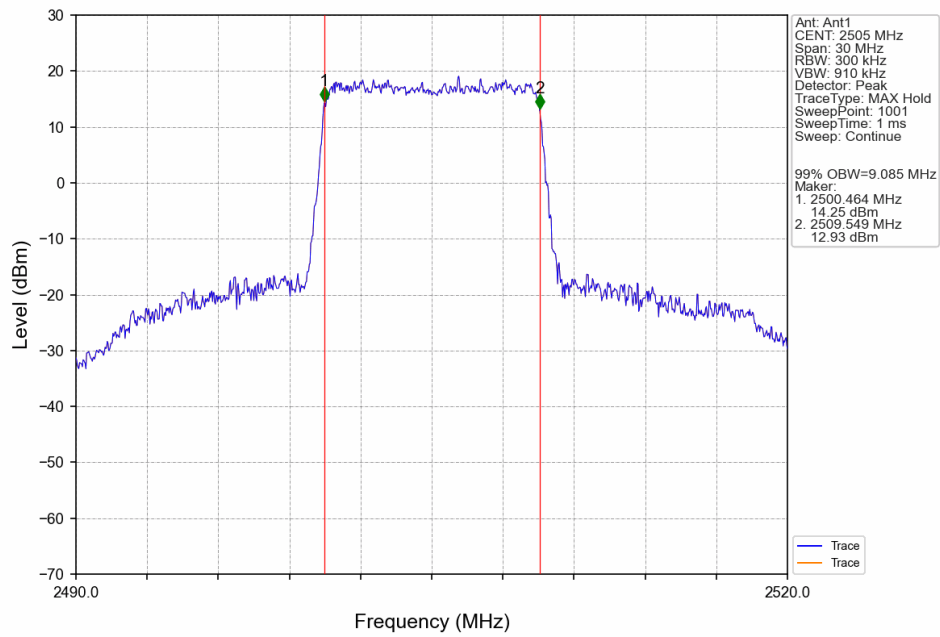
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



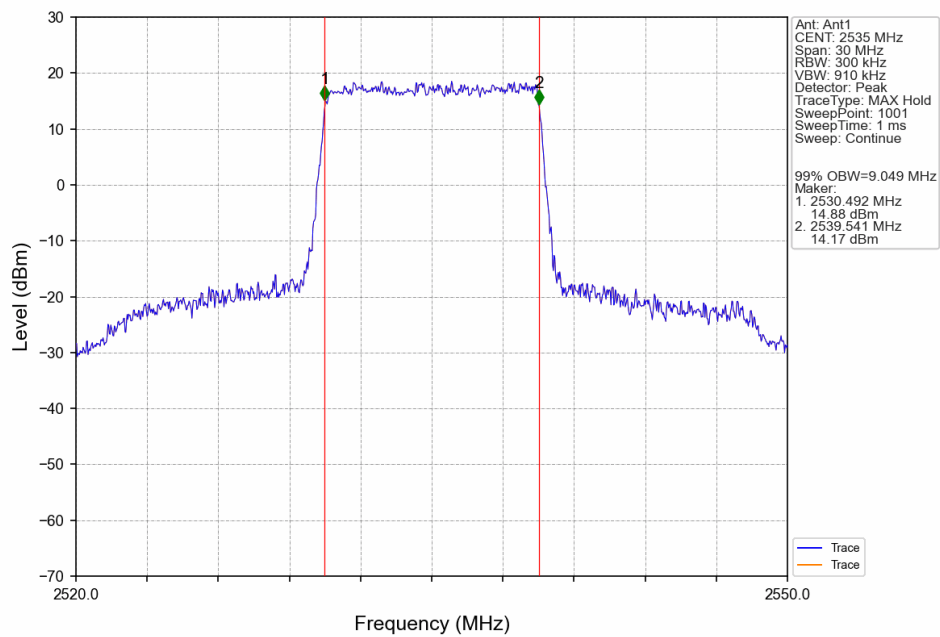
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



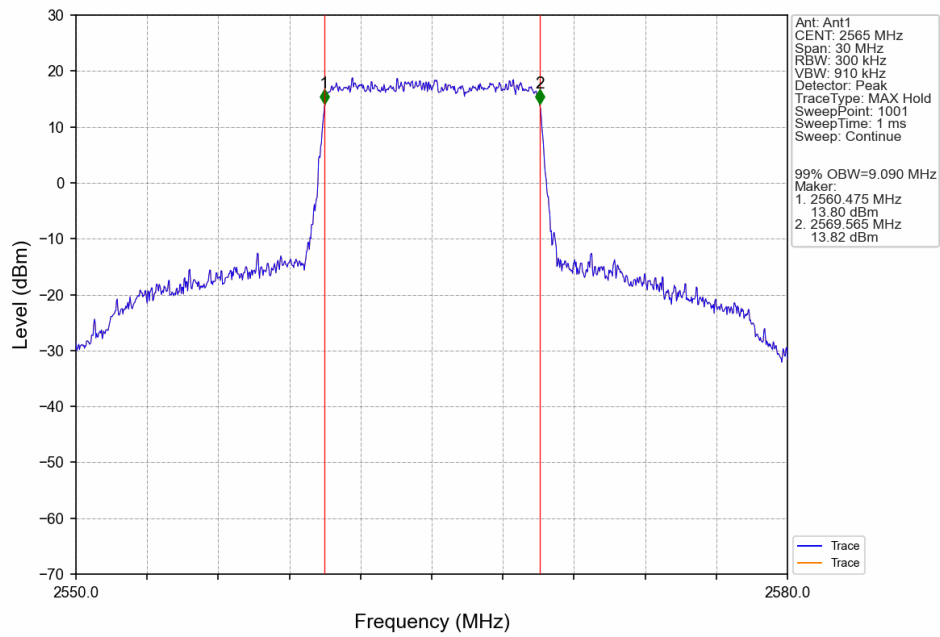
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



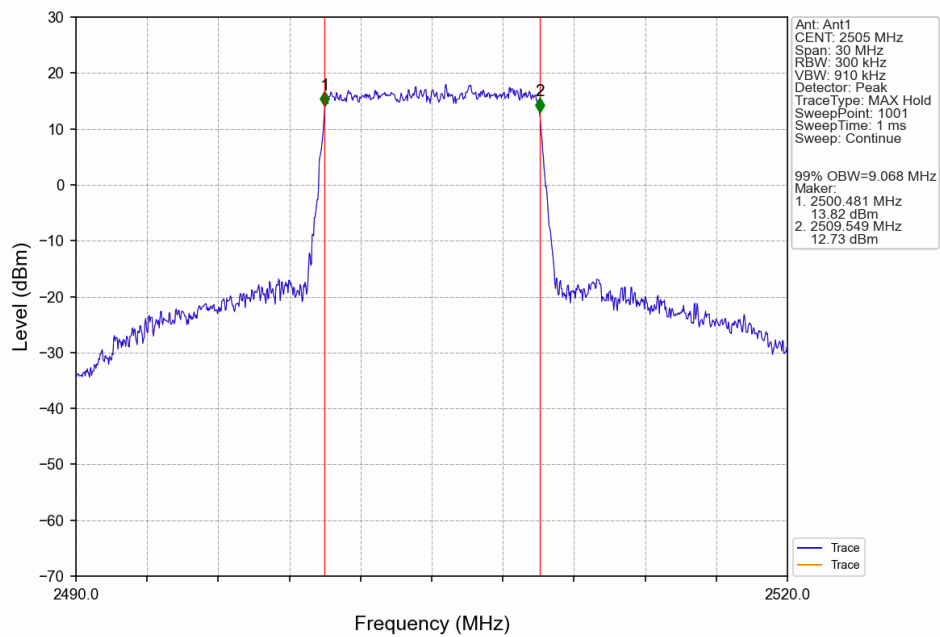
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



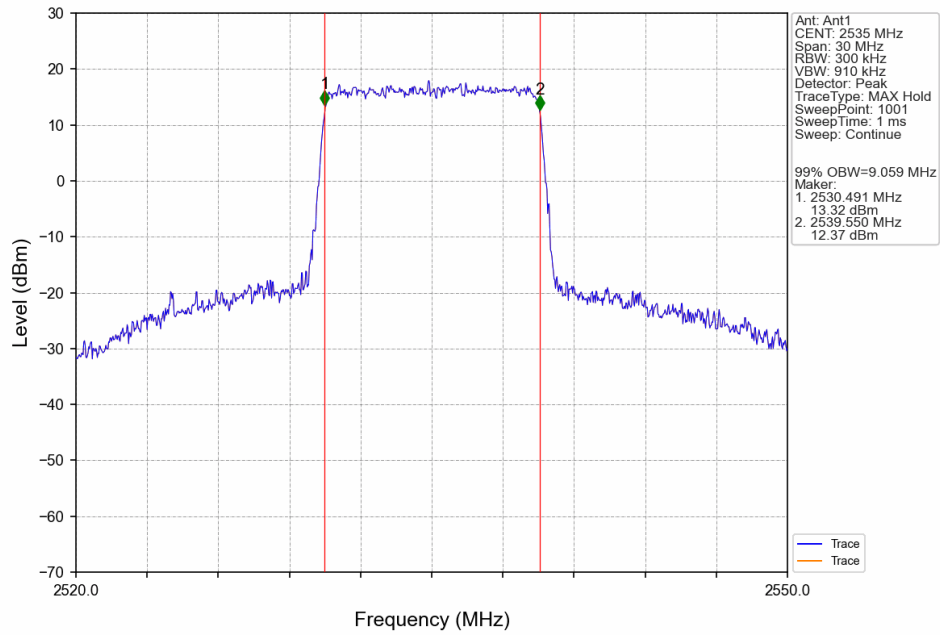
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



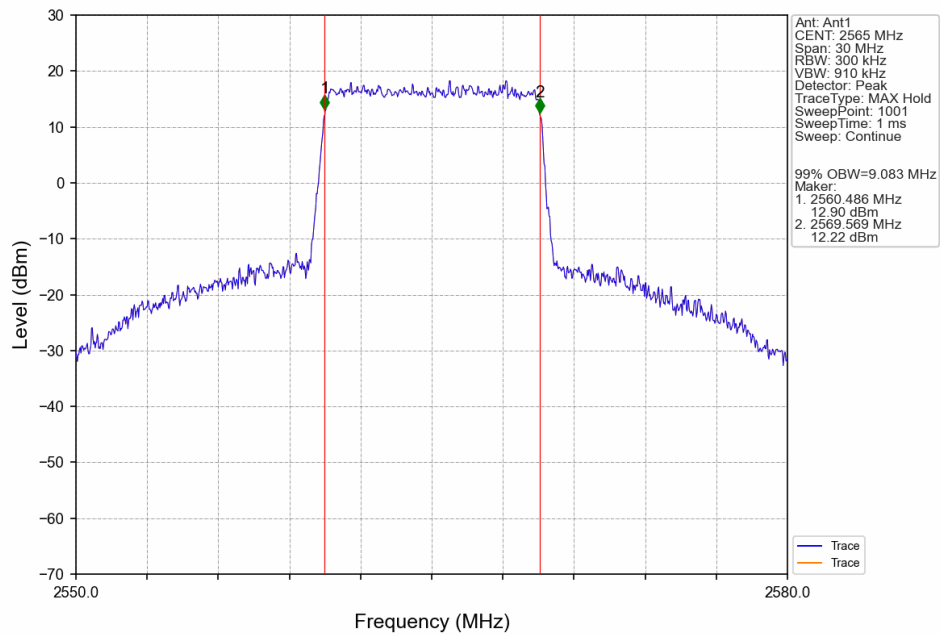
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



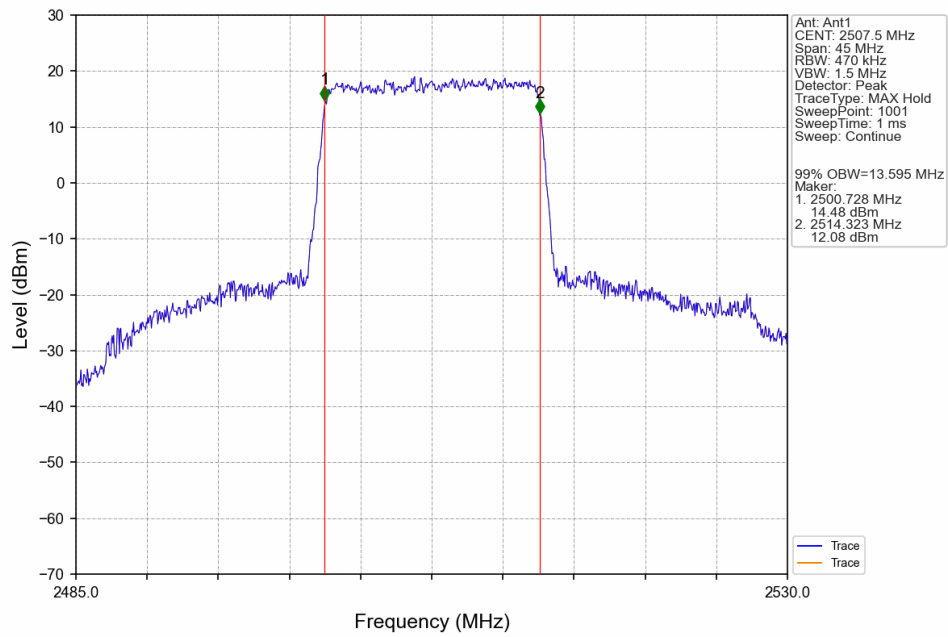
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



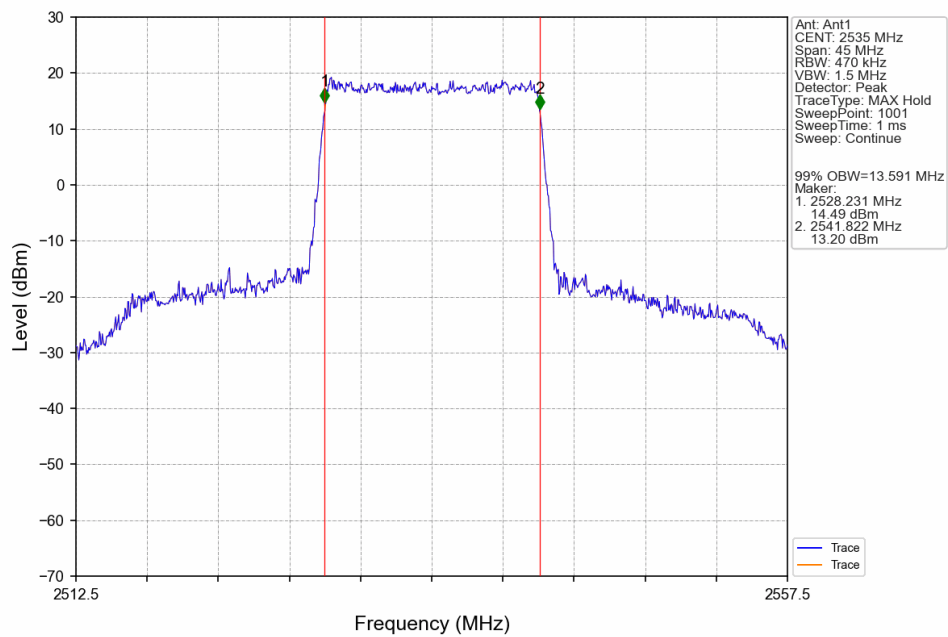
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



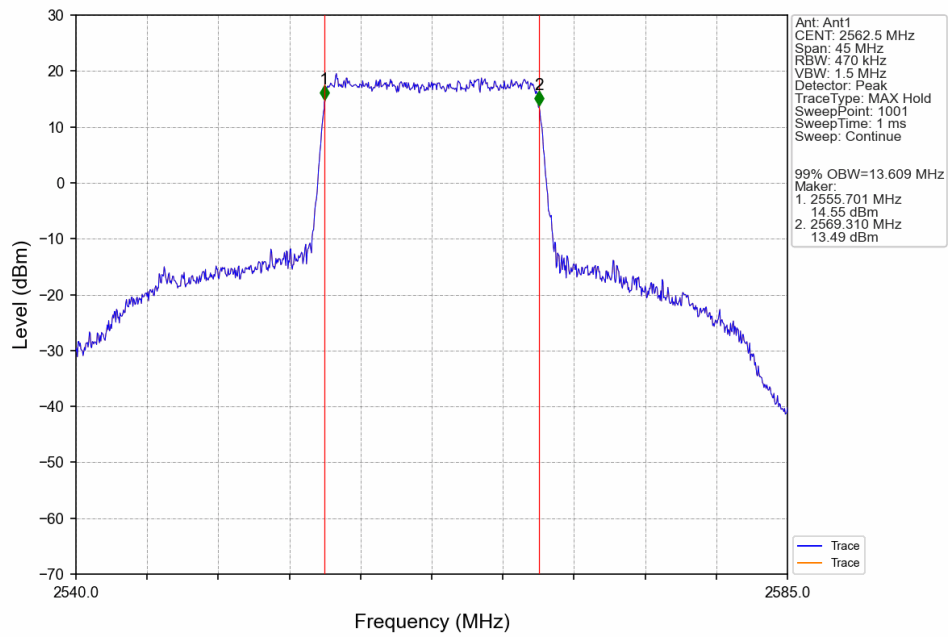
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



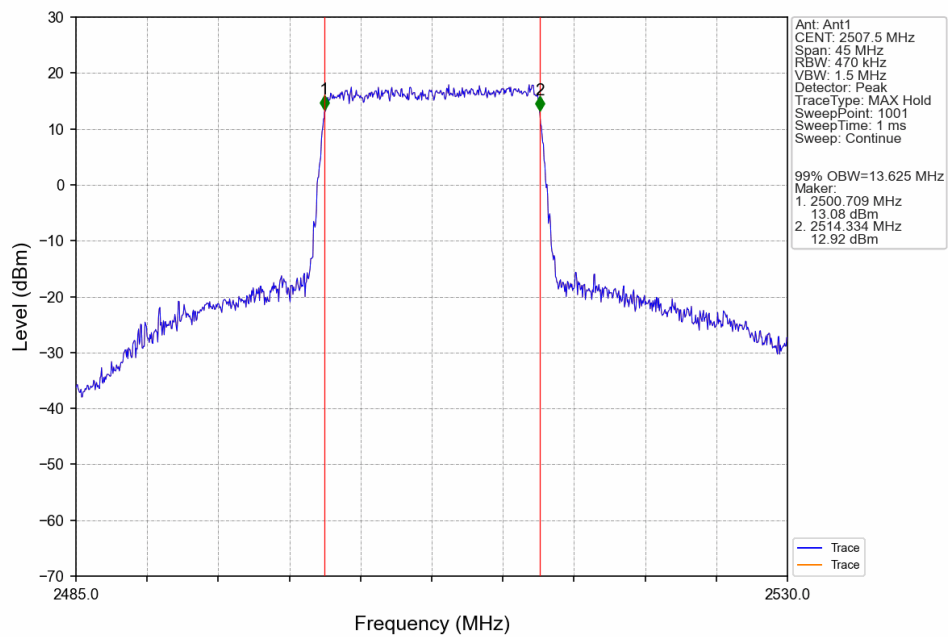
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



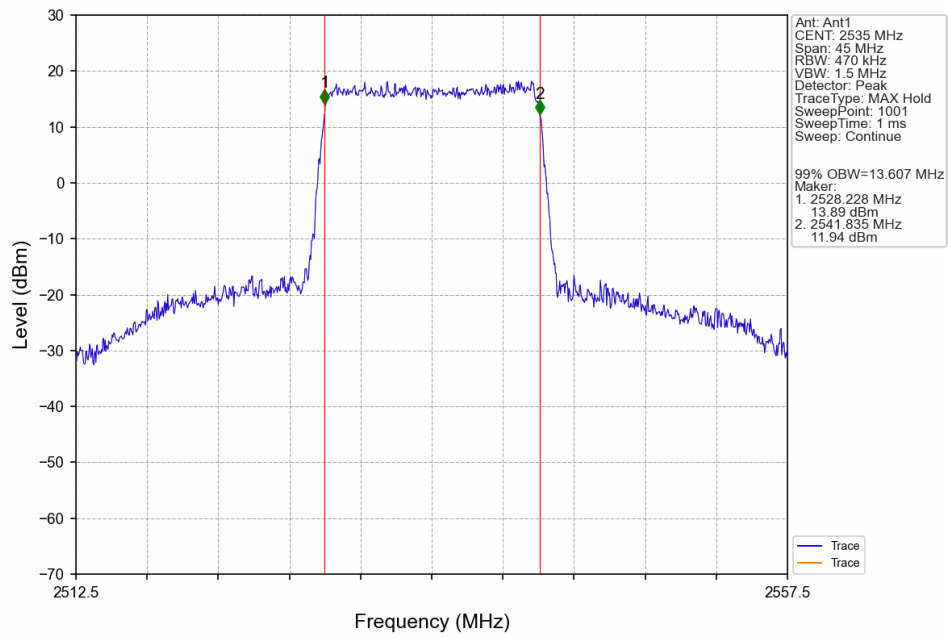
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



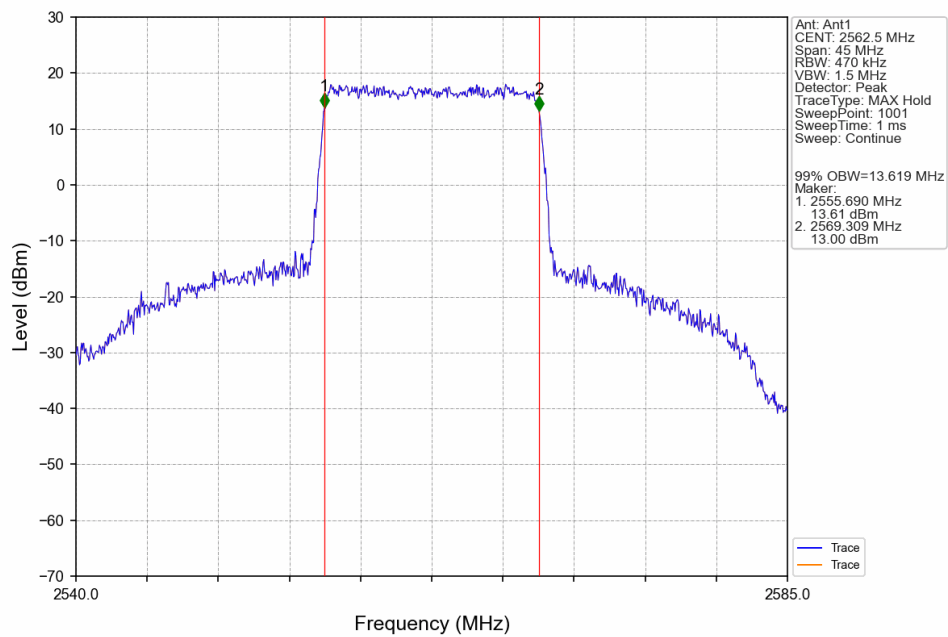
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



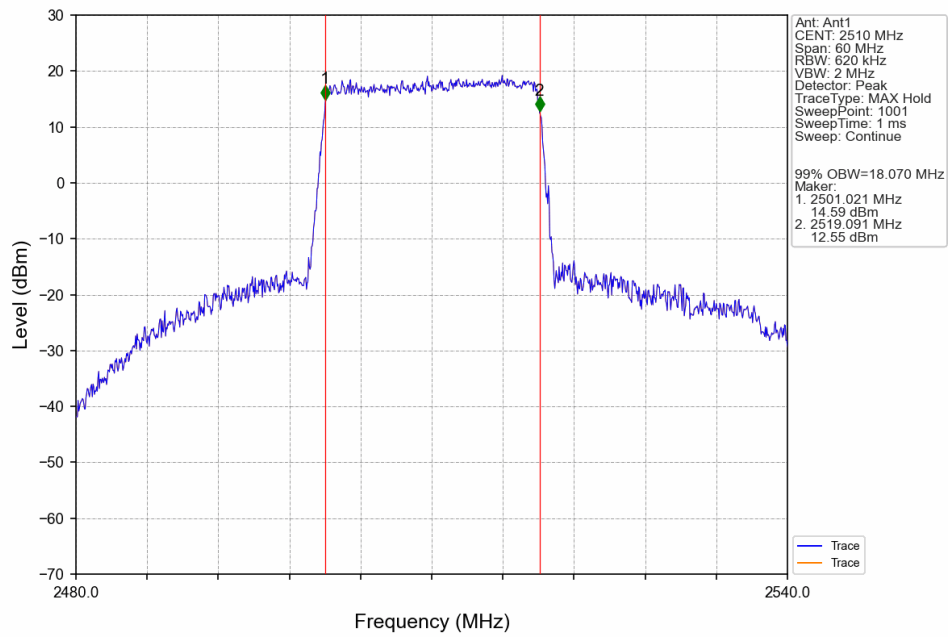
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



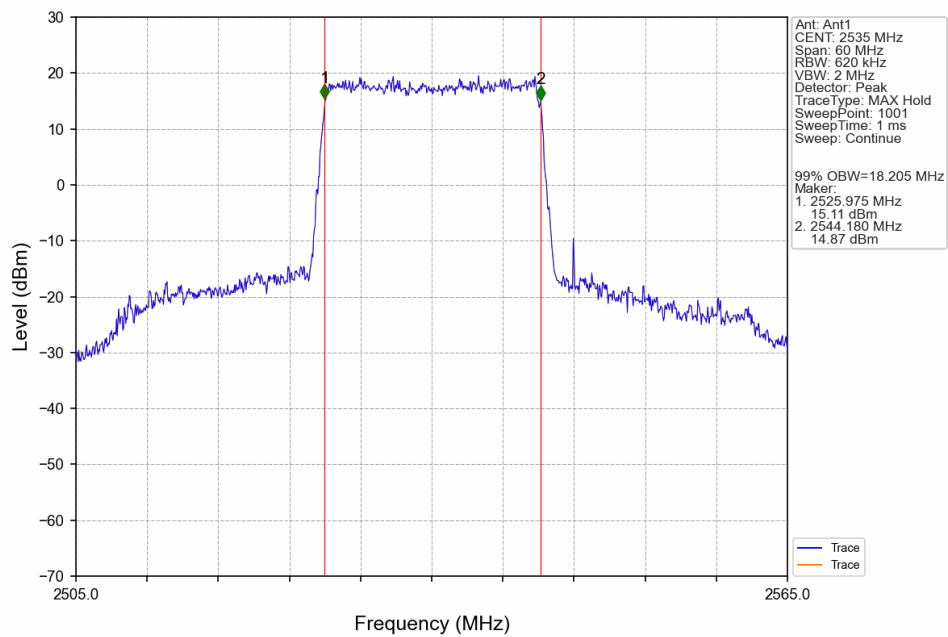
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



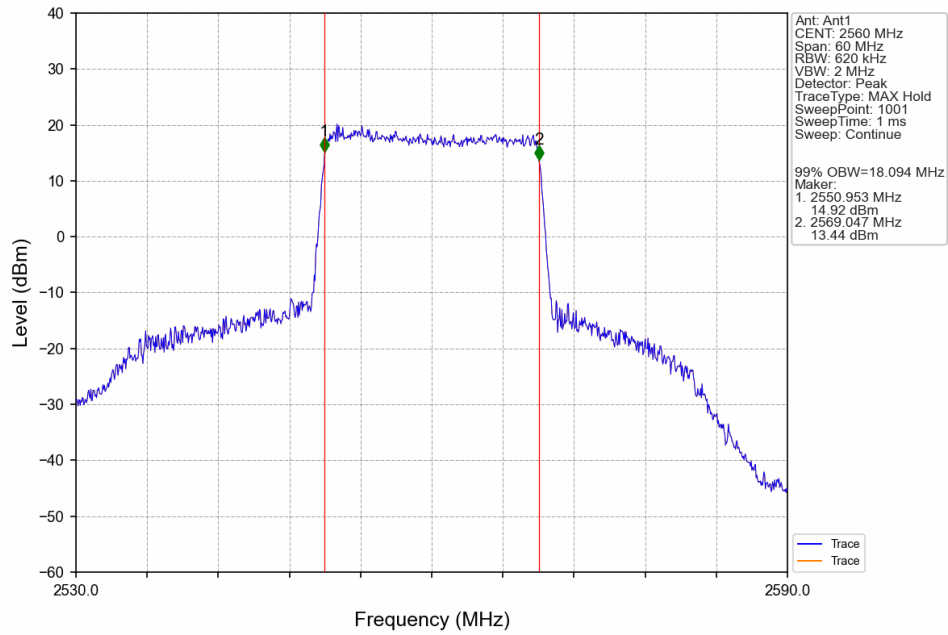
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



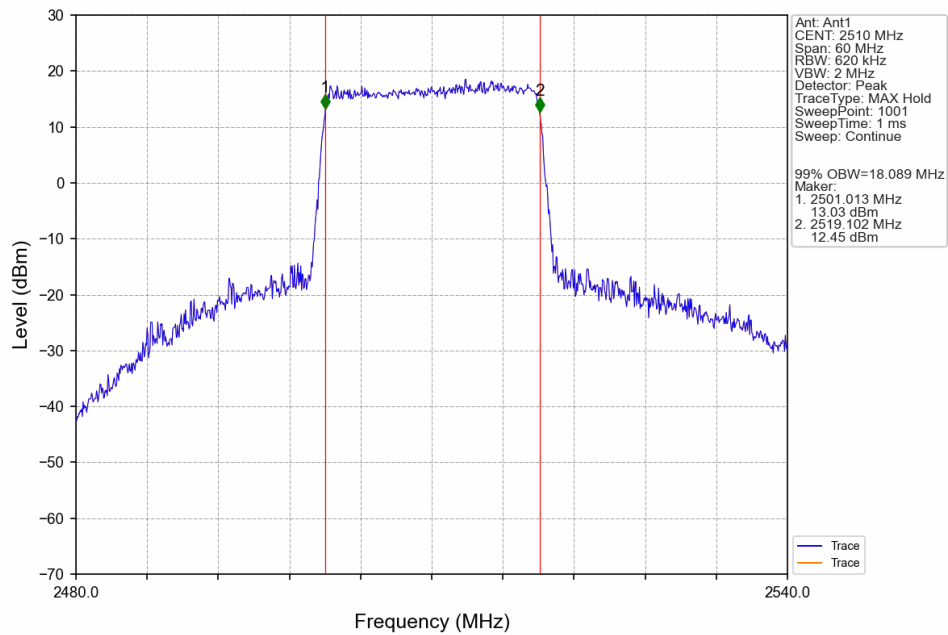
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



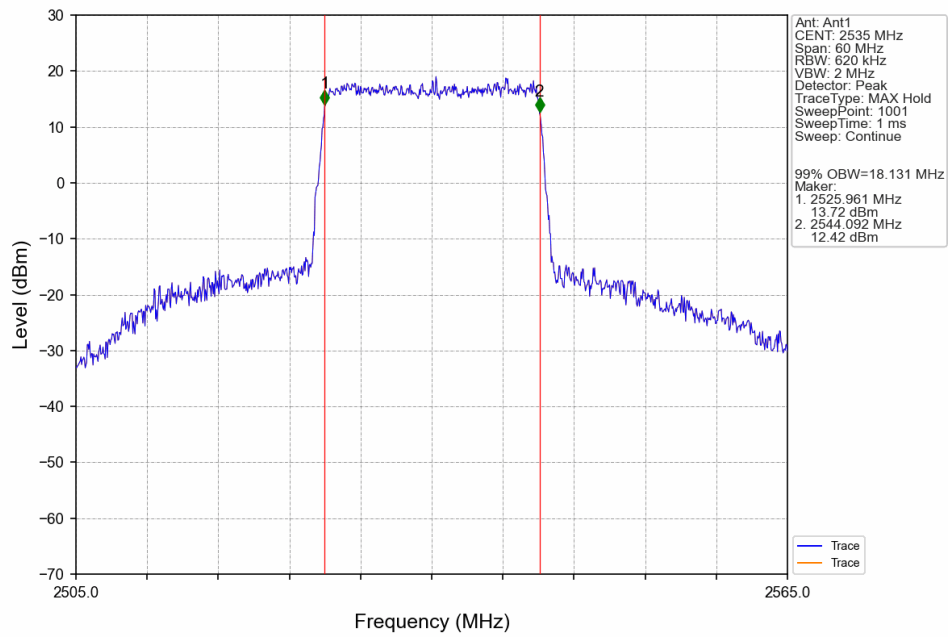
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



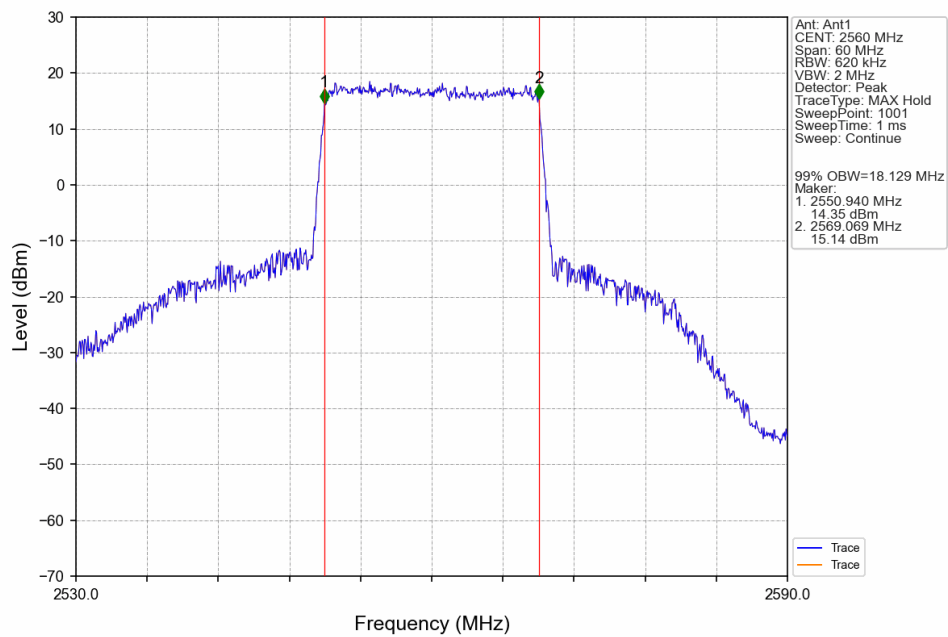
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



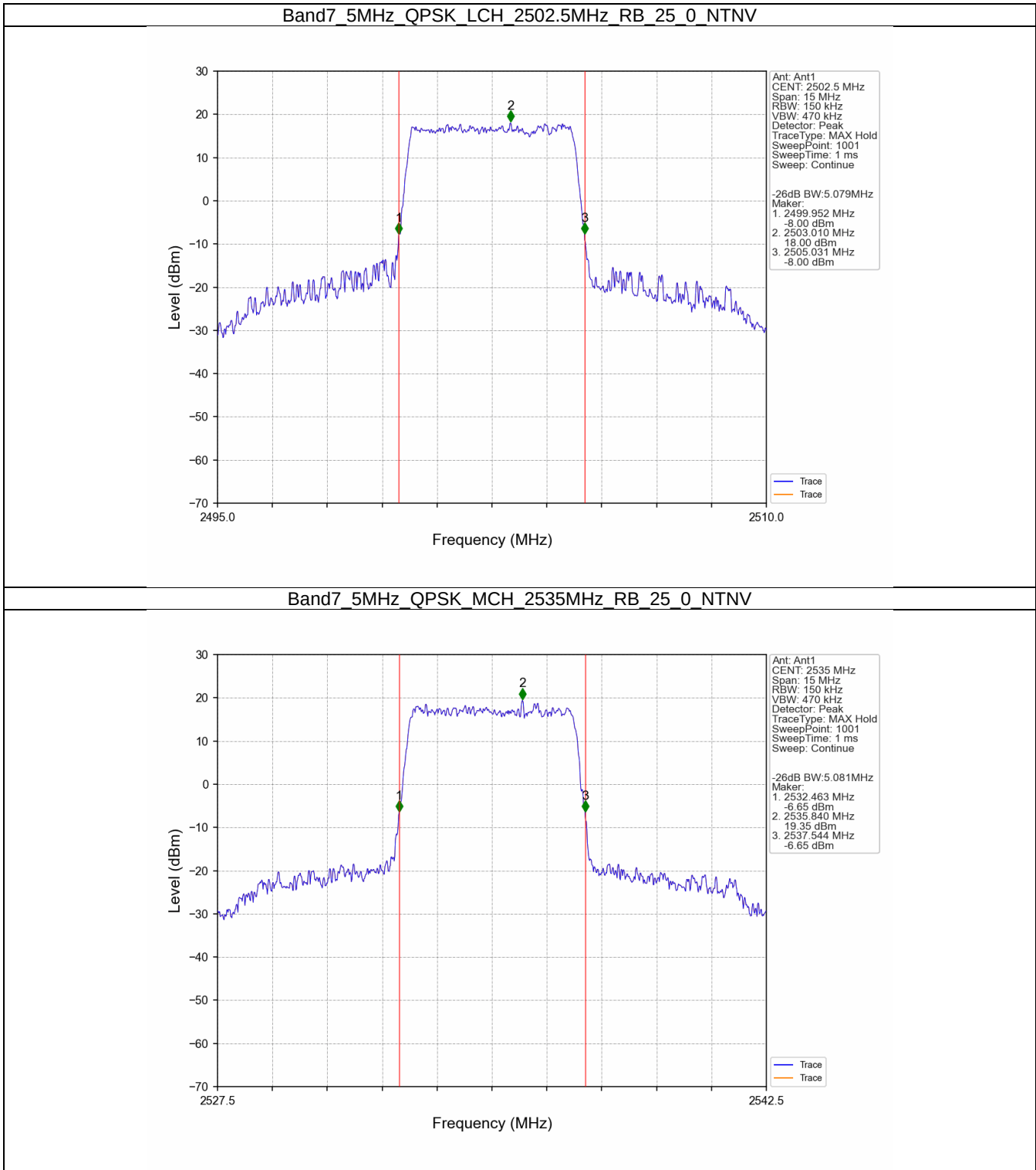
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



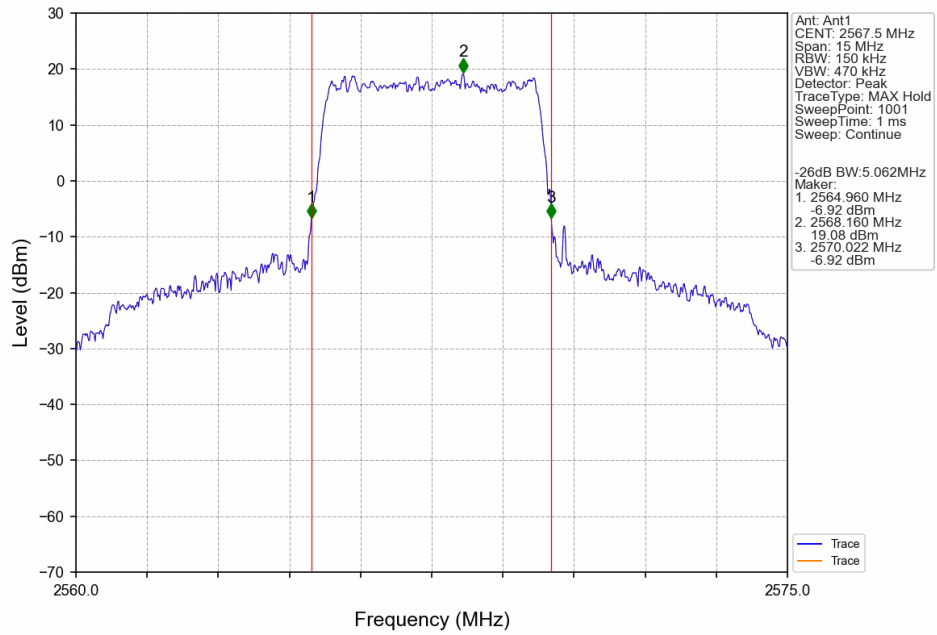
Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



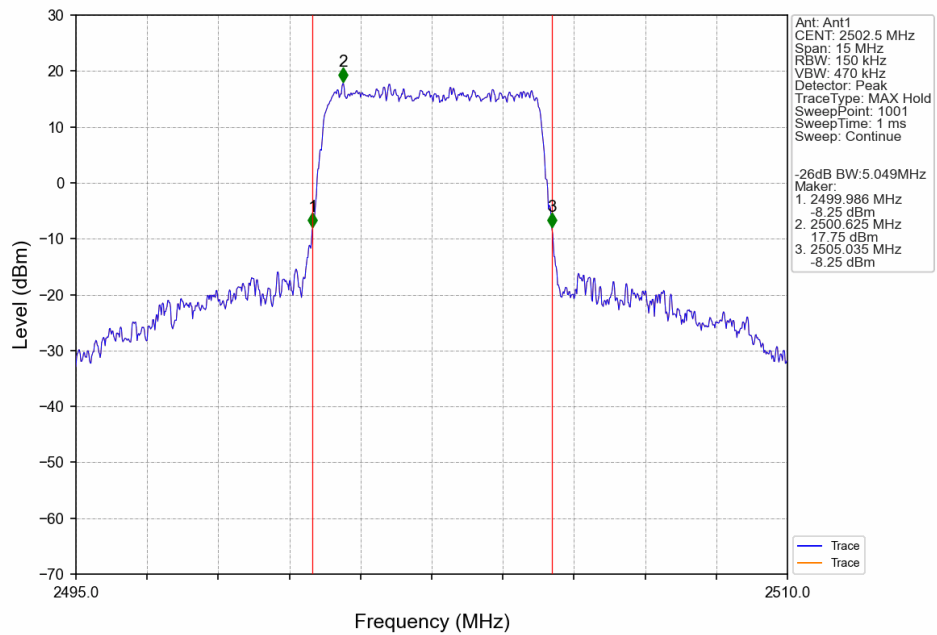
4.2.2 Band7_XDB



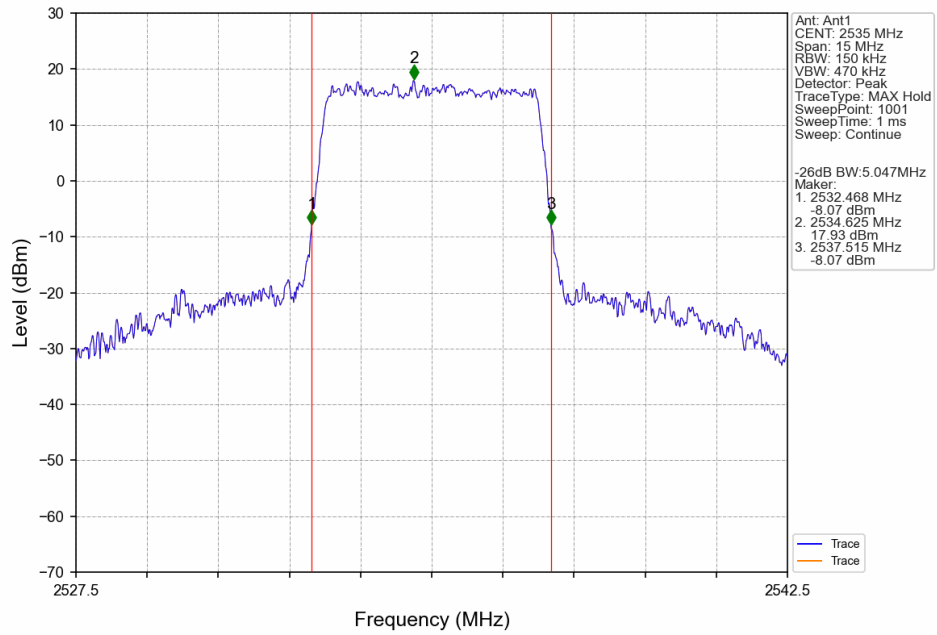
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTNV



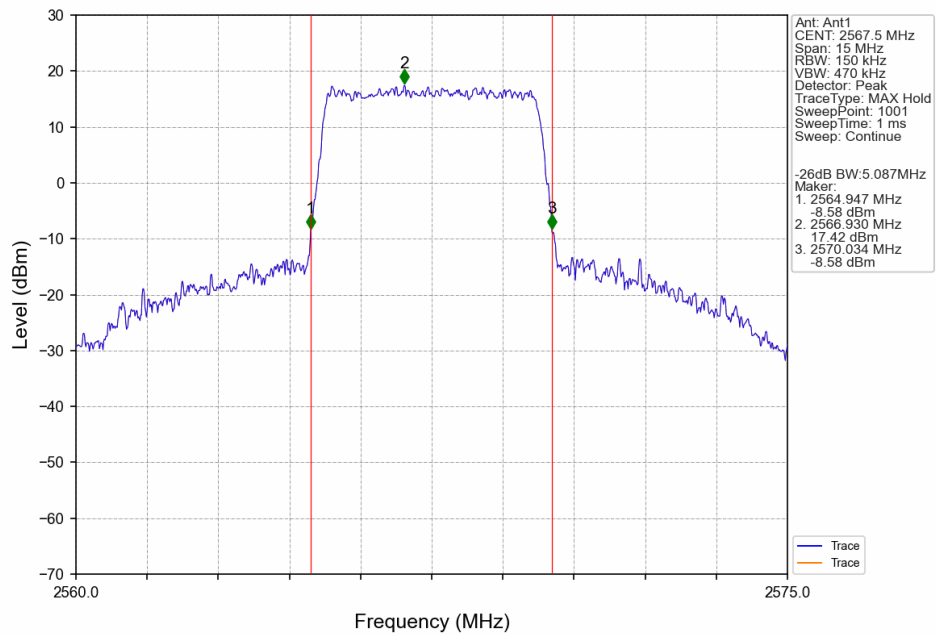
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTNV



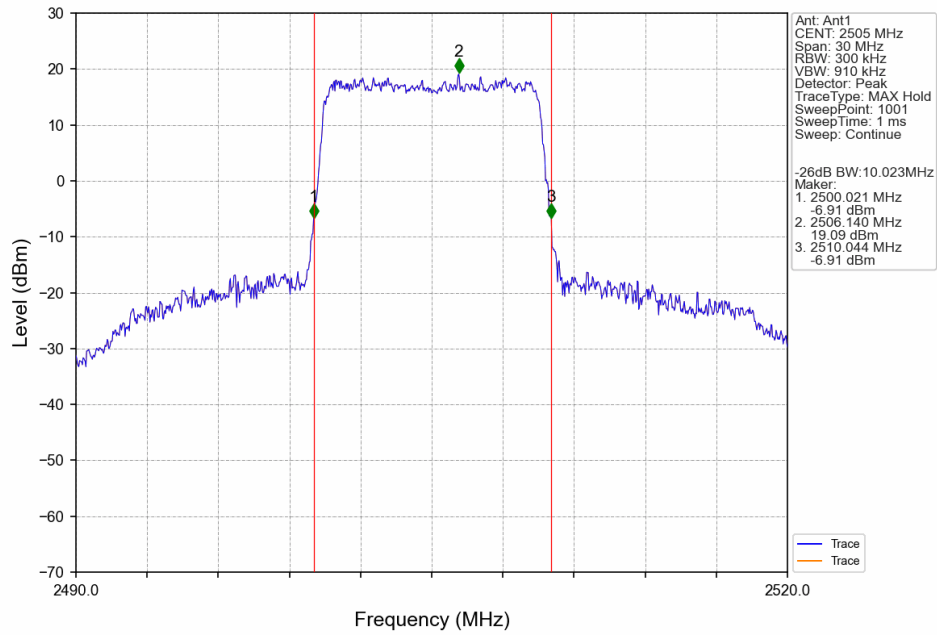
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



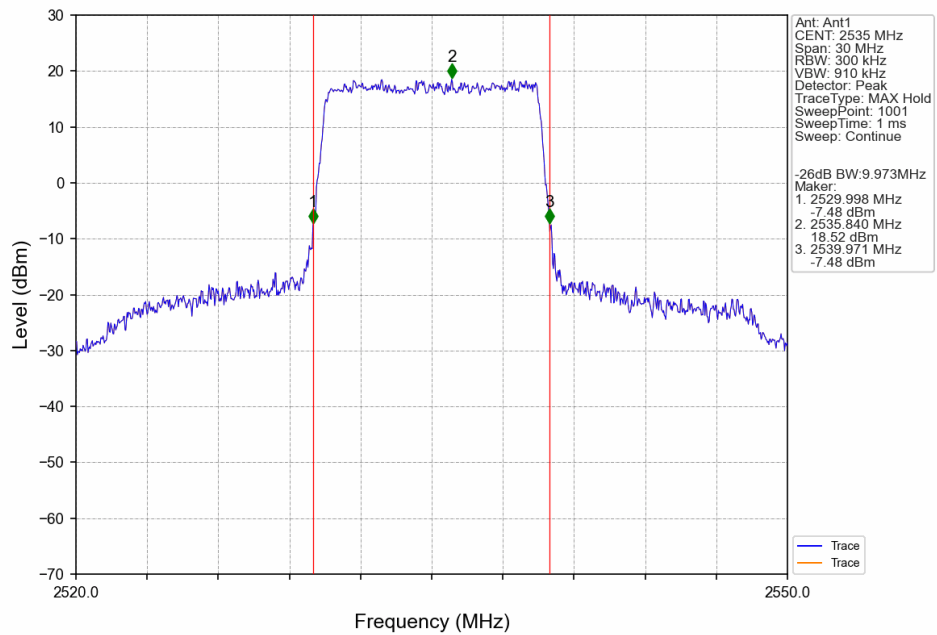
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



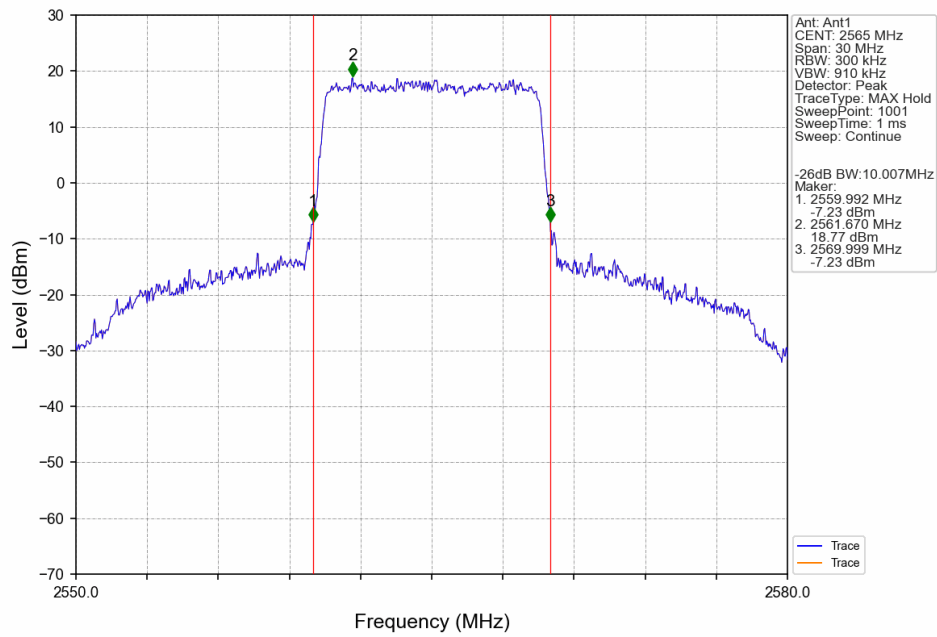
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV



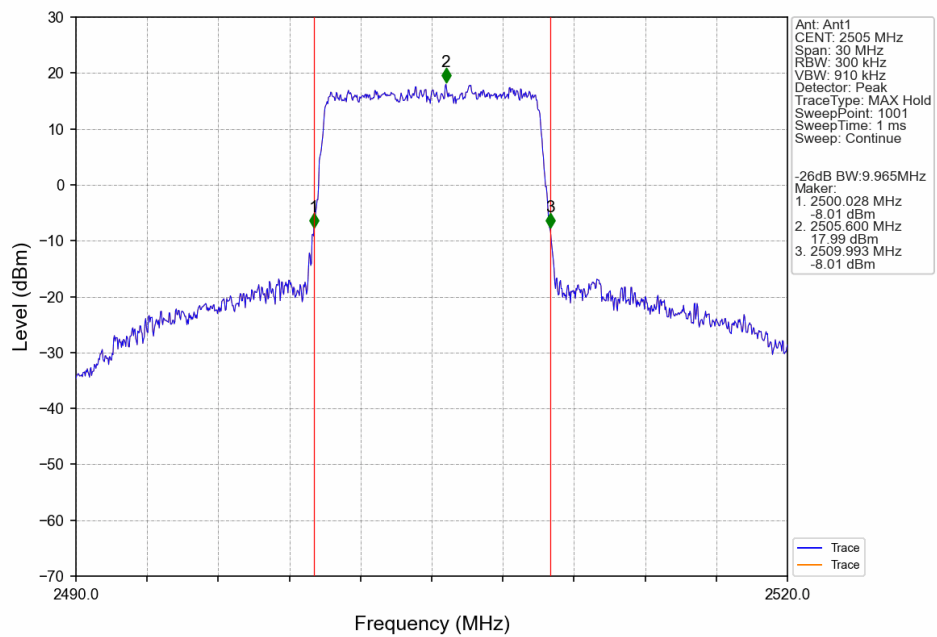
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



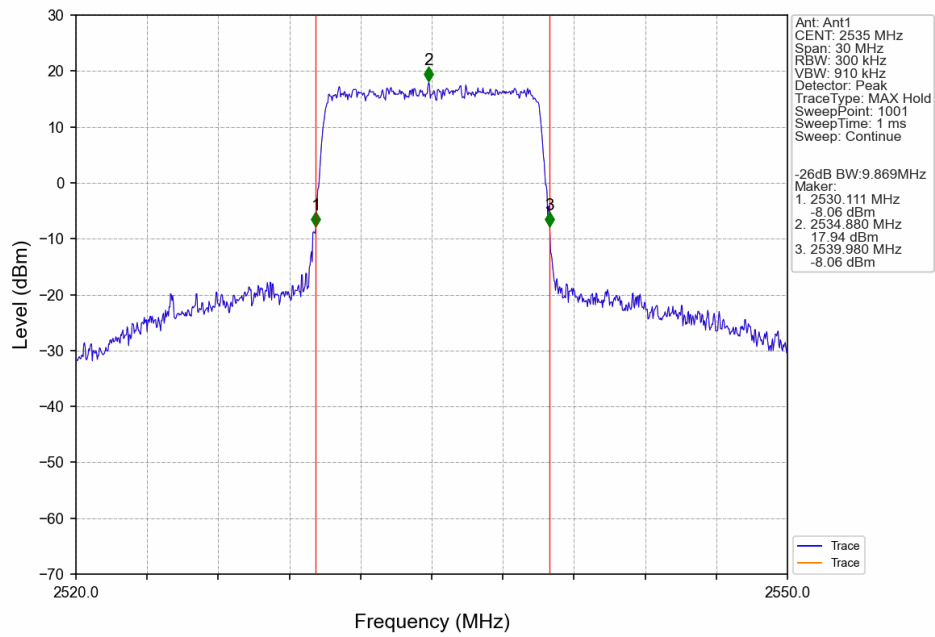
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



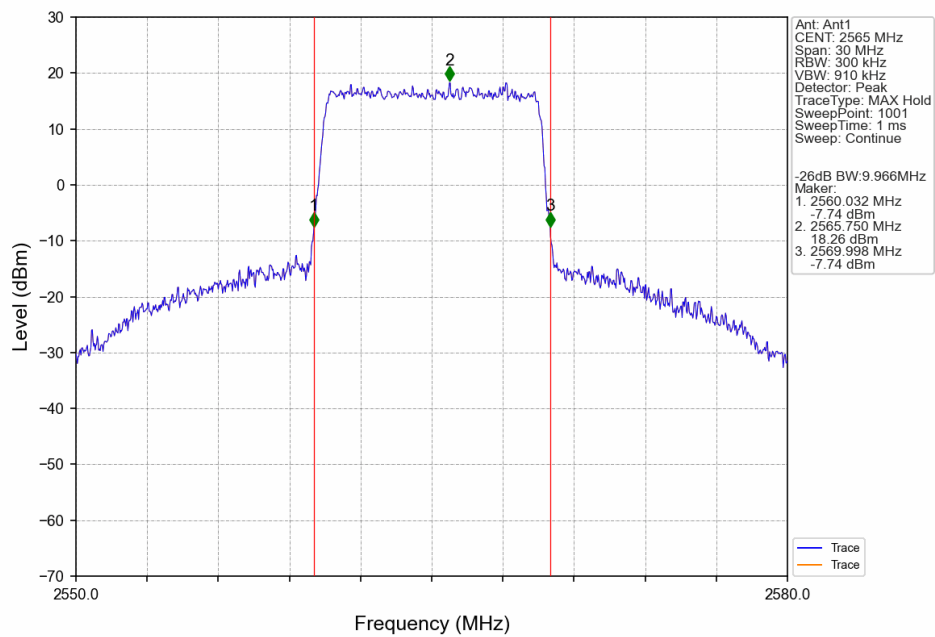
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



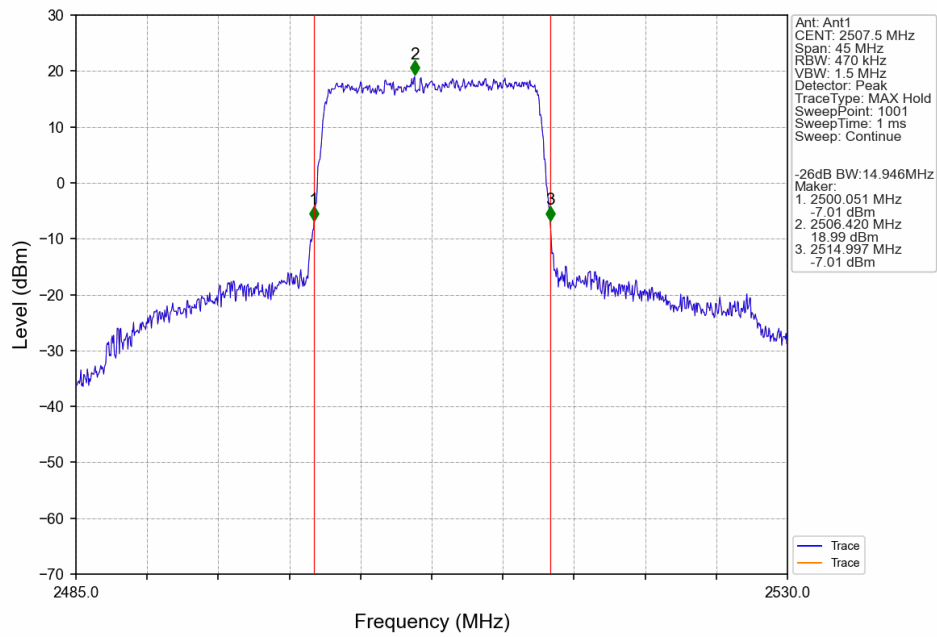
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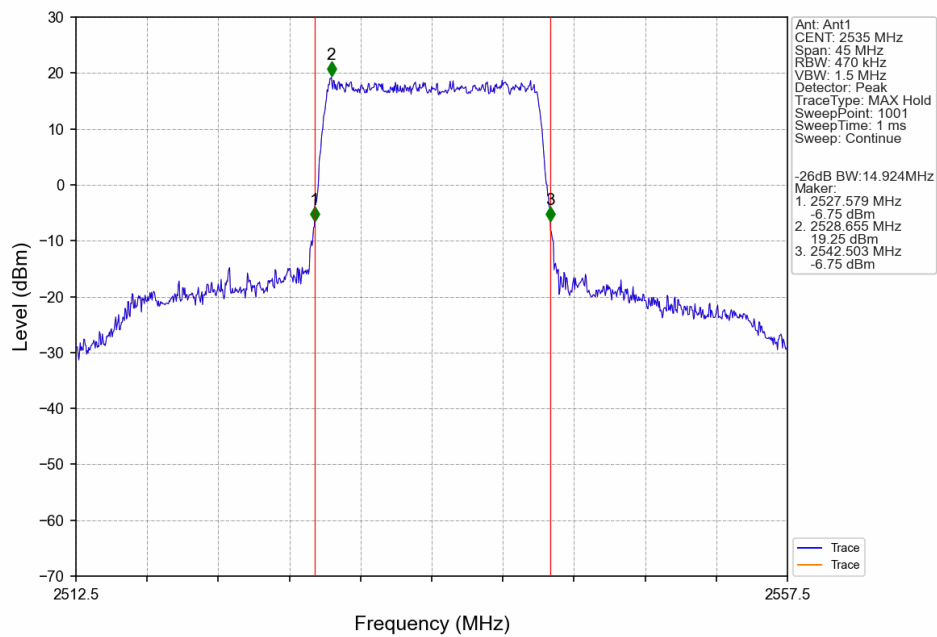
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



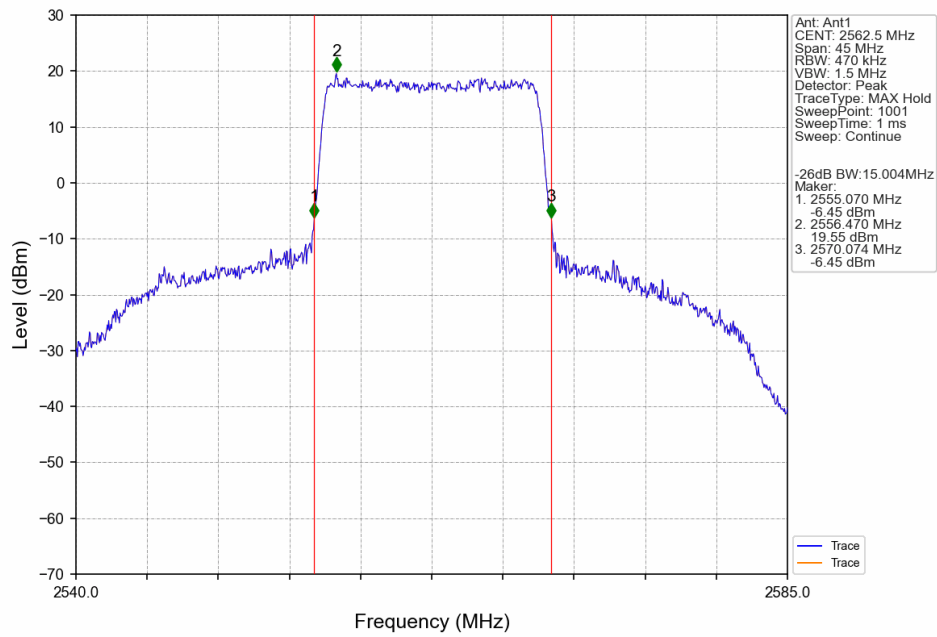
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



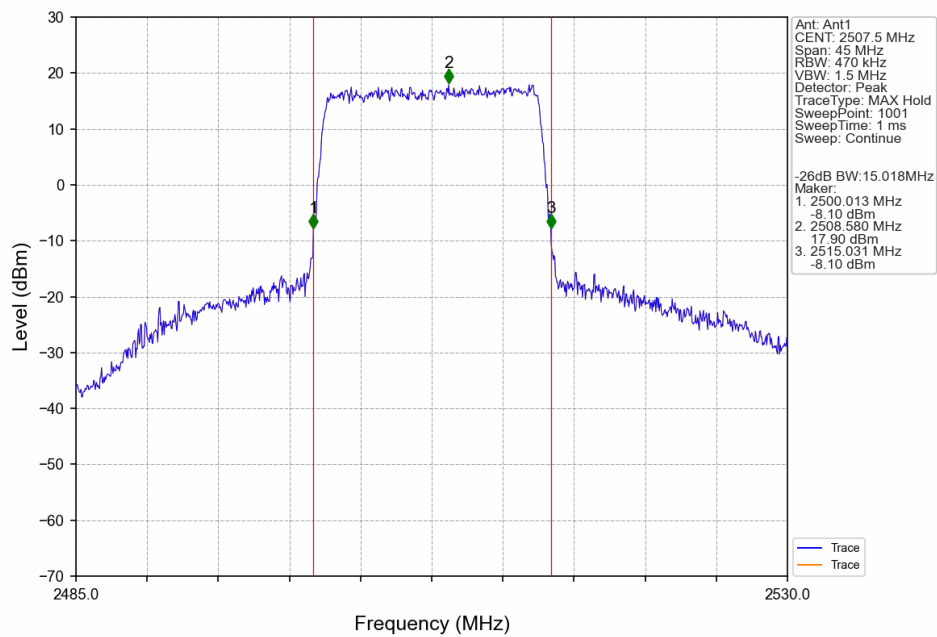
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



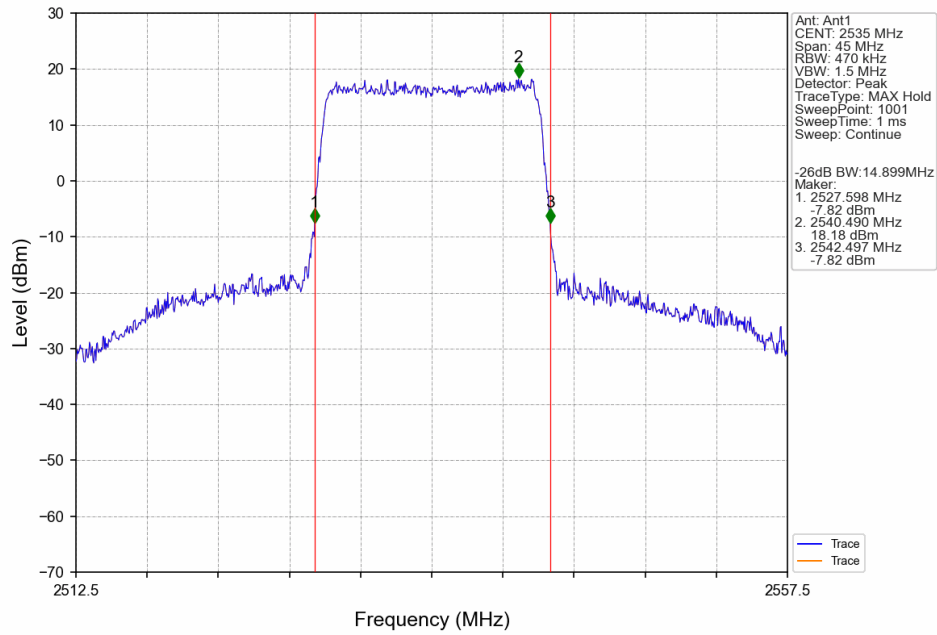
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



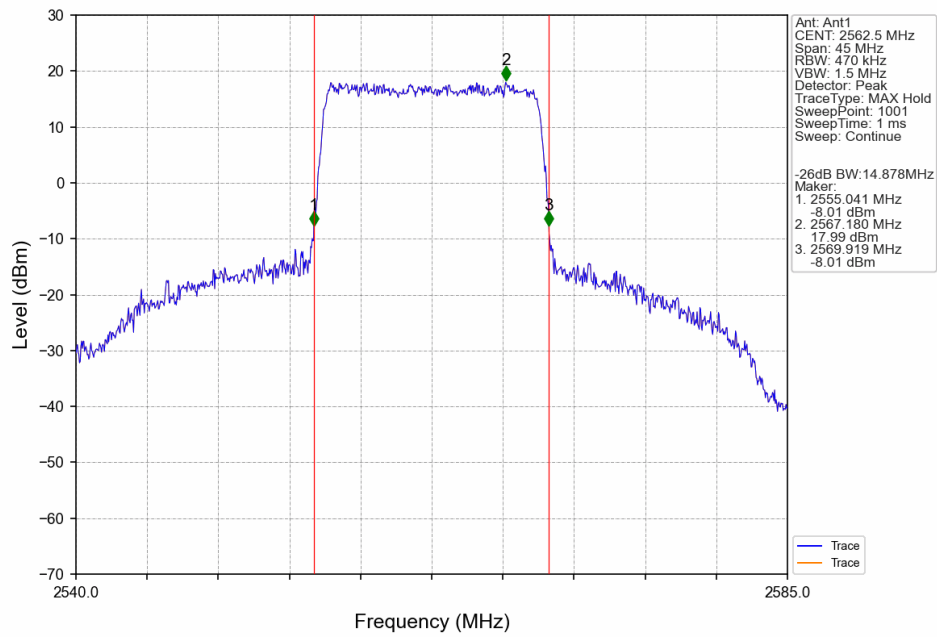
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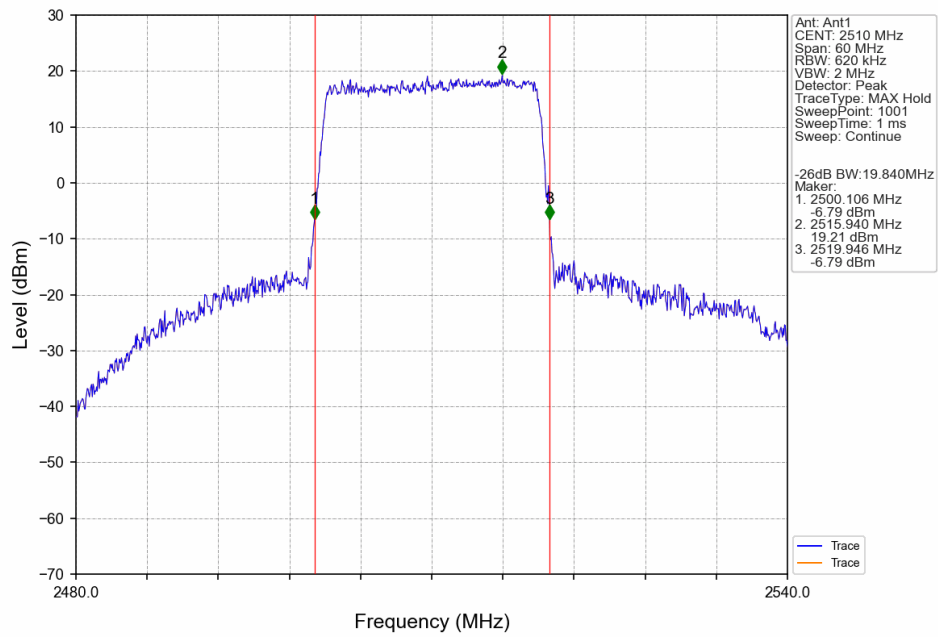
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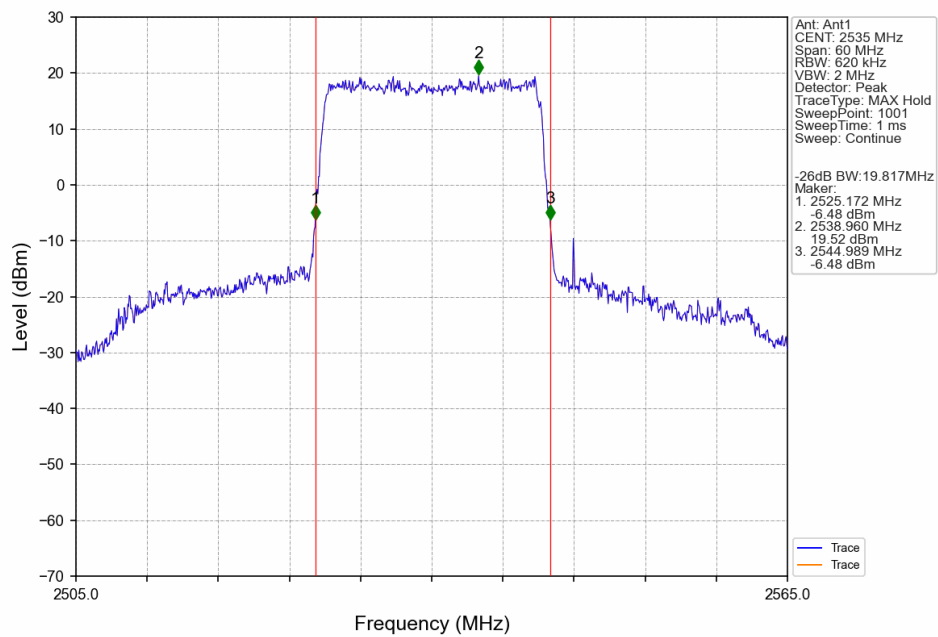
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



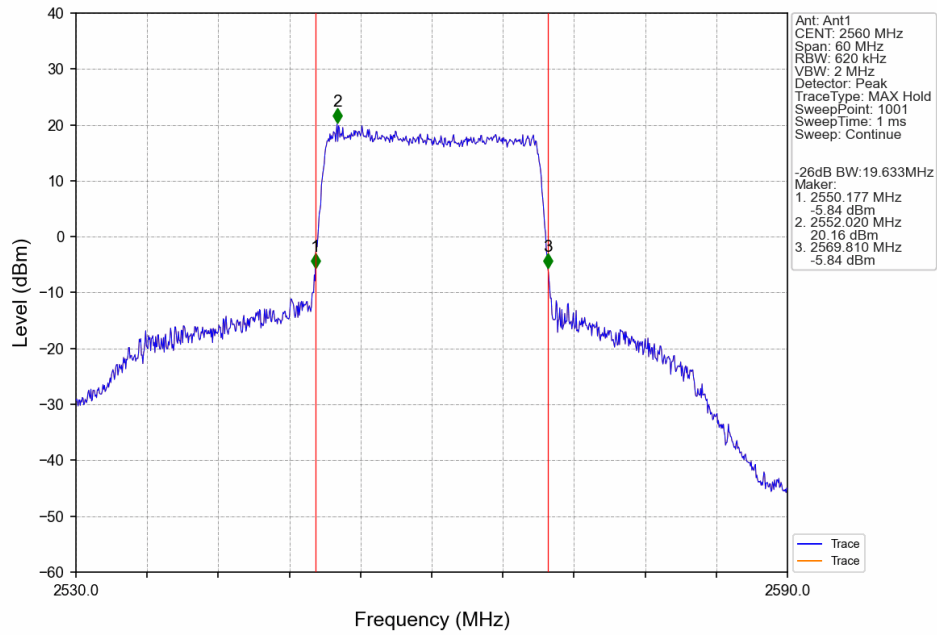
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



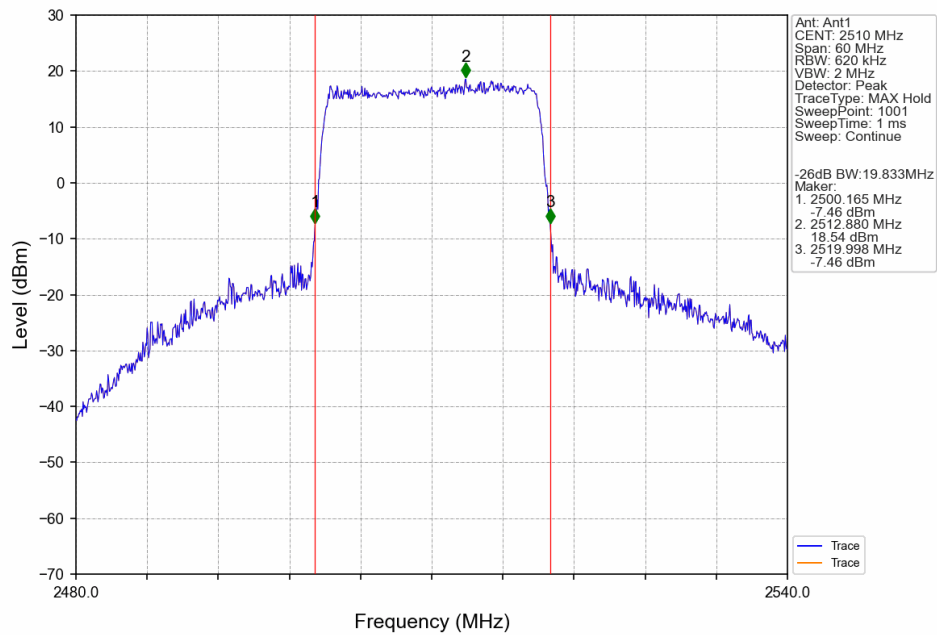
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



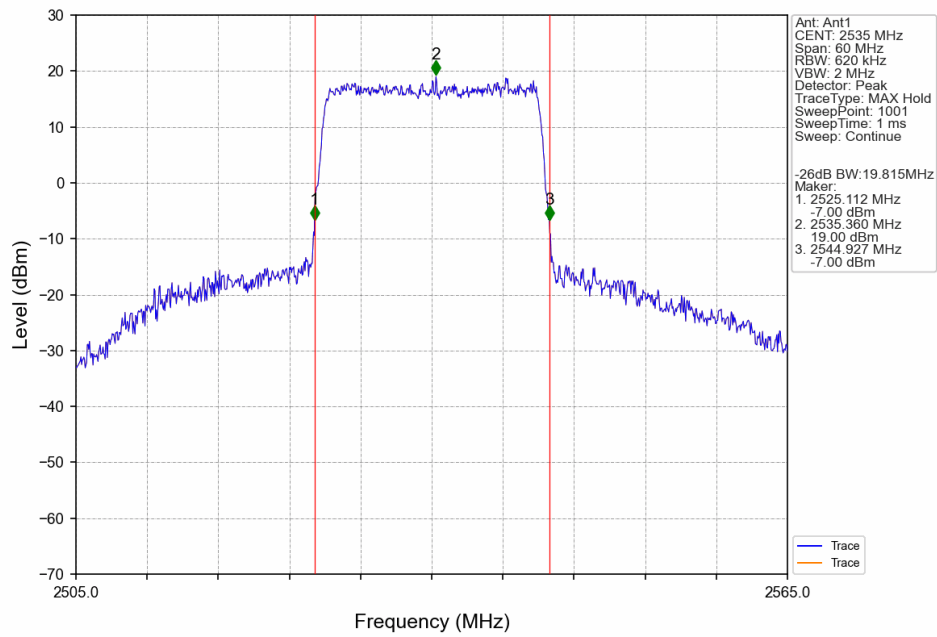
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



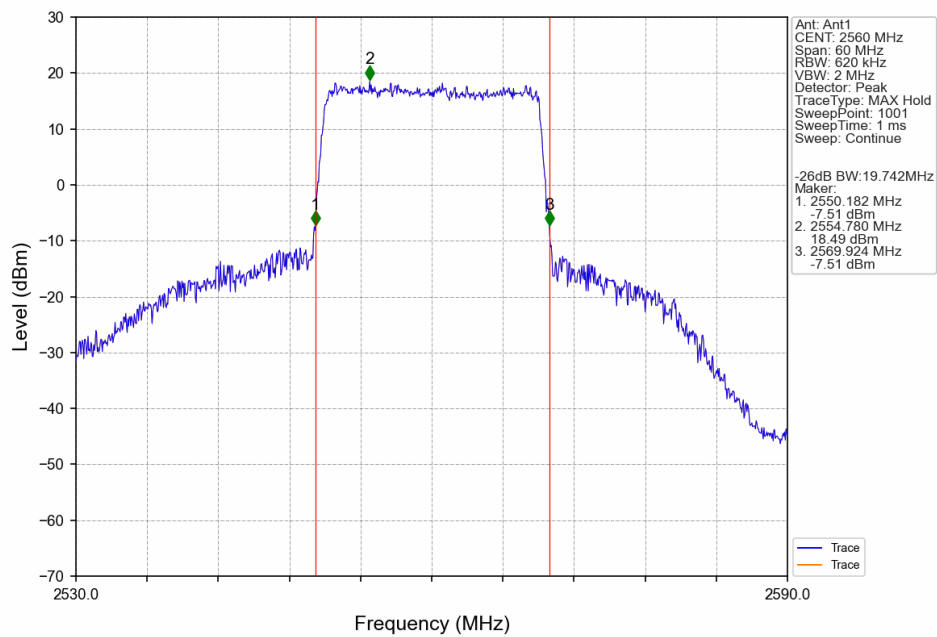
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTV



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	5.34	<=13	Pass
	2535	25	0	5.43	<=13	Pass
	2567.5	25	0	4.79	<=13	Pass
16QAM	2502.5	25	0	6.00	<=13	Pass
	2535	25	0	6.10	<=13	Pass
	2567.5	25	0	5.54	<=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	5.28	<=13	Pass
	2535	50	0	5.32	<=13	Pass
	2565	50	0	4.94	<=13	Pass
16QAM	2505	50	0	6.02	<=13	Pass
	2535	50	0	6.10	<=13	Pass
	2565	50	0	5.70	<=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	5.38	<=13	Pass
	2535	75	0	5.45	<=13	Pass
	2562.5	75	0	4.99	<=13	Pass
16QAM	2507.5	75	0	5.97	<=13	Pass
	2535	75	0	6.08	<=13	Pass
	2562.5	75	0	5.73	<=13	Pass

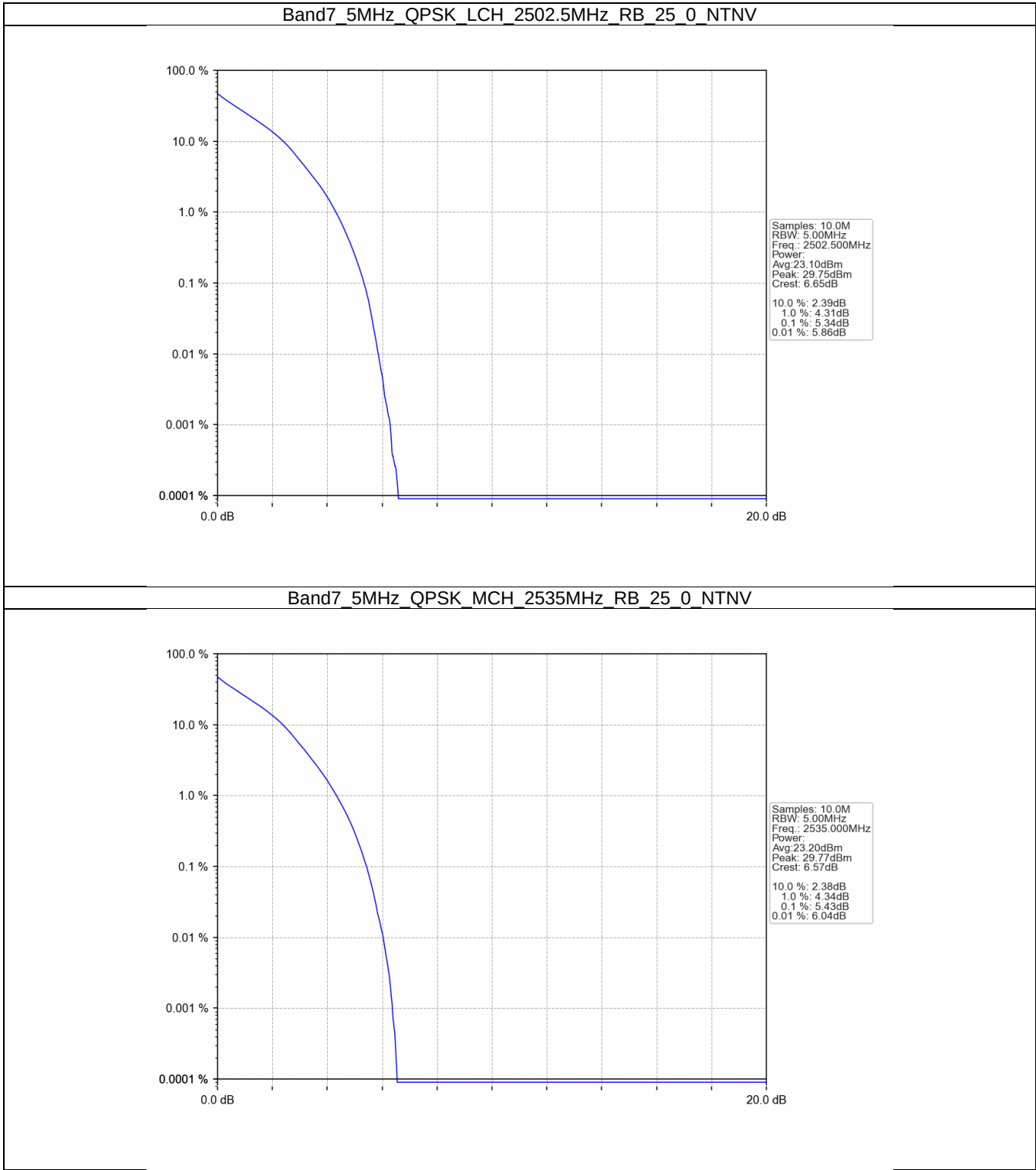
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.25	<=13	Pass
	2535	100	0	5.30	<=13	Pass
	2560	100	0	5.02	<=13	Pass
16QAM	2510	100	0	5.96	<=13	Pass
	2535	100	0	6.07	<=13	Pass

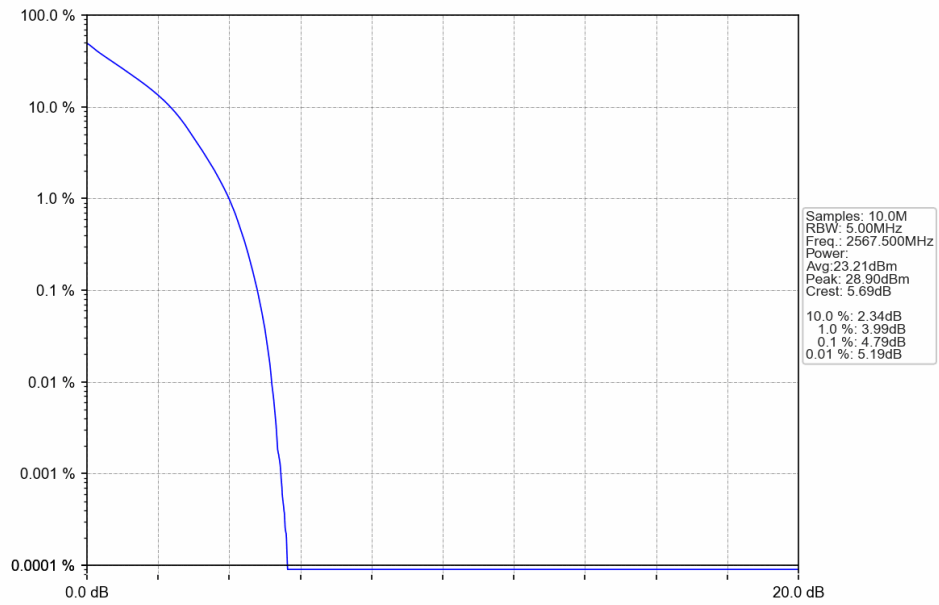
	2560	100	0	5.84	<=13	Pass
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5.2 Test Graph

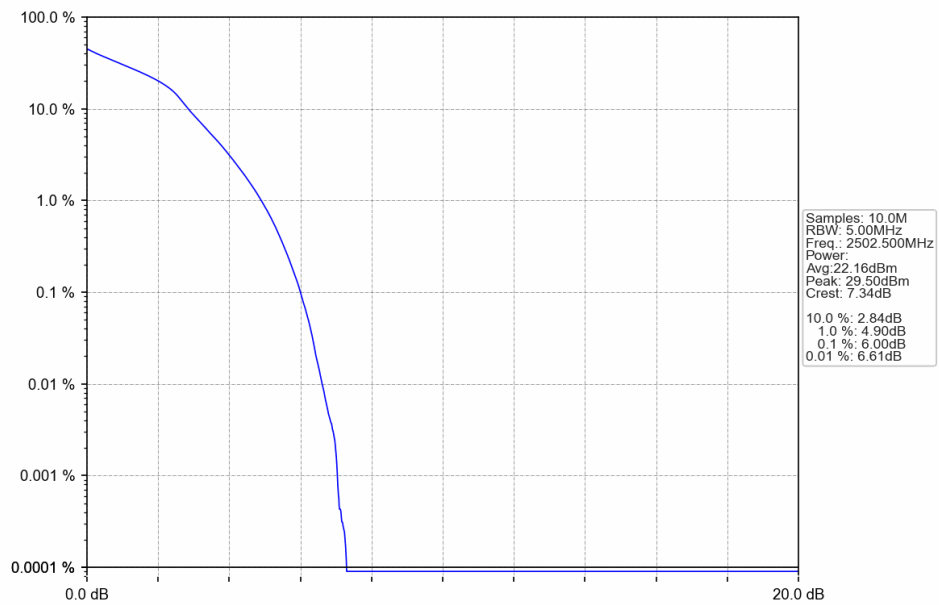
5.2.1 B7_5MHz



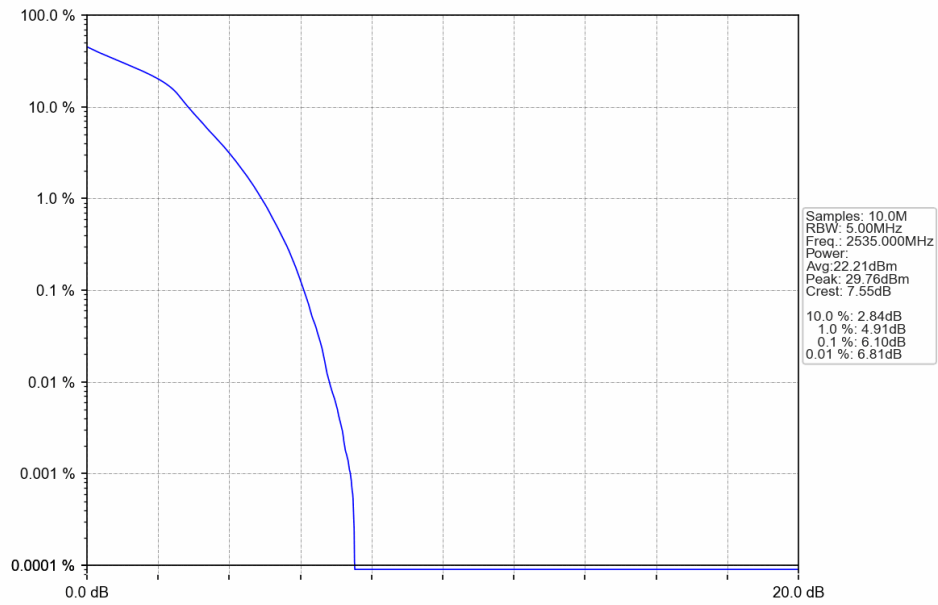
Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTNV



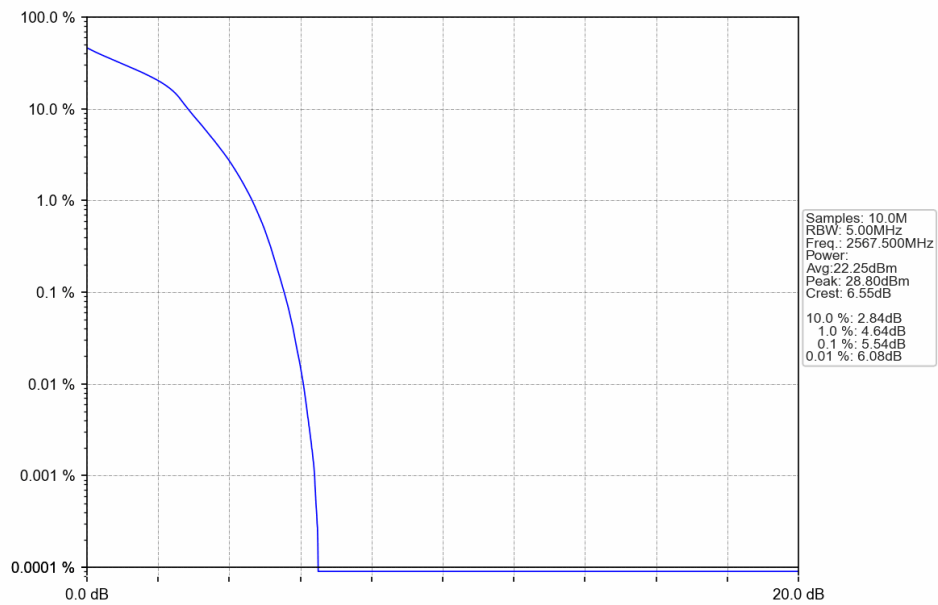
Band7 5MHz 16QAM LCH 2502.5MHz RB 25 0 NTNV



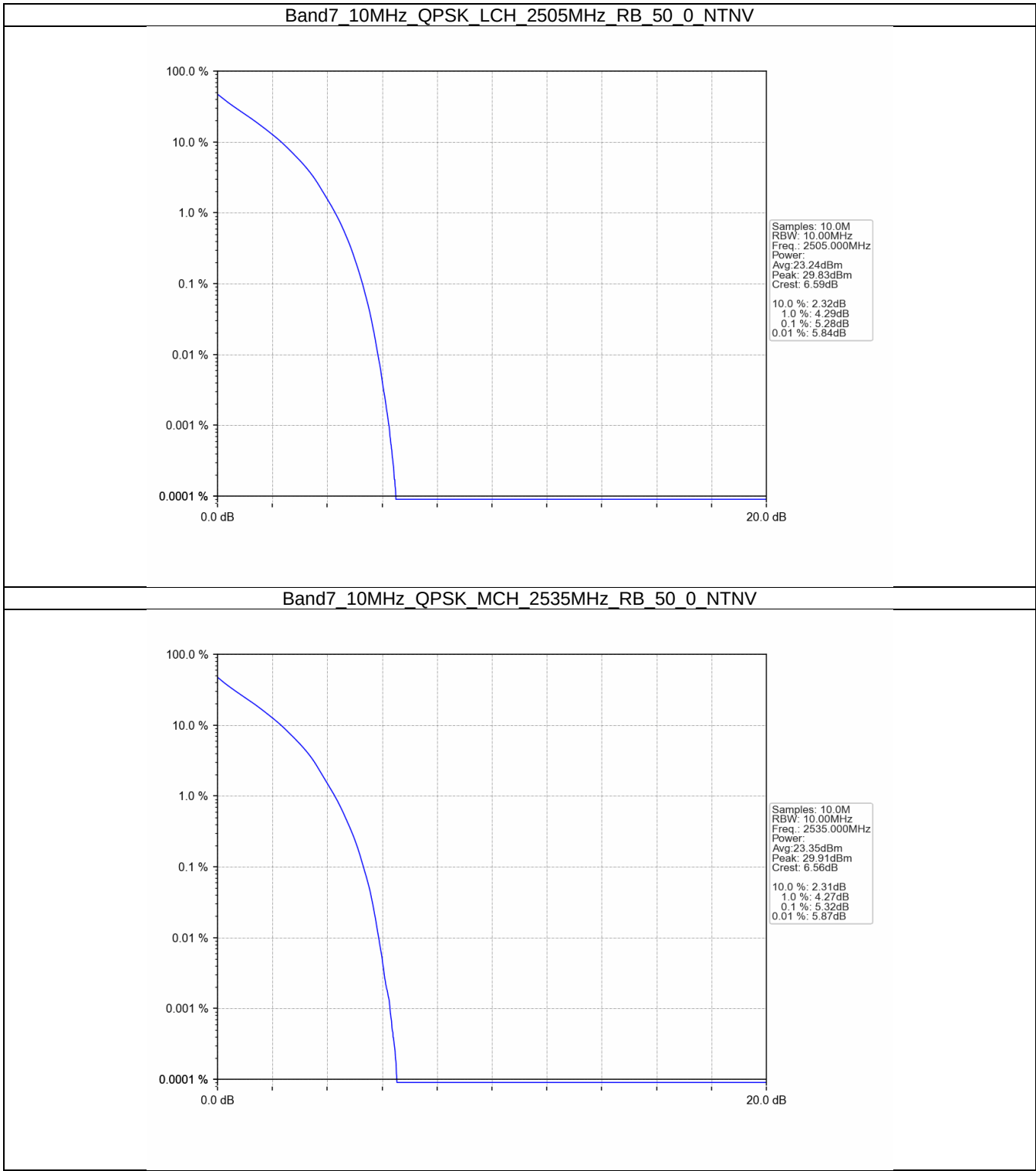
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



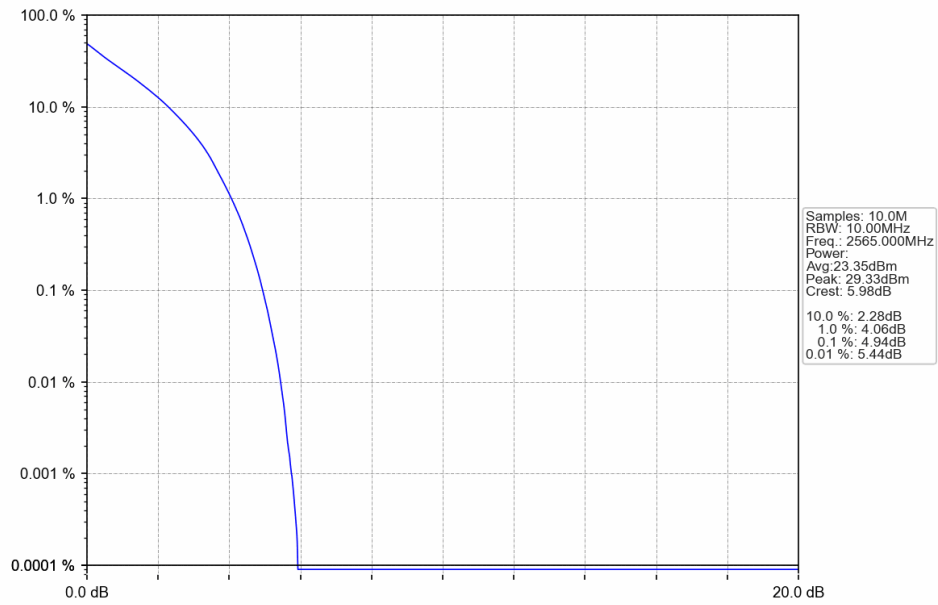
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



5.2.2 B7_10MHz



Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTN



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

