

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	22.42	1.00	23.42	<=33.01	Pass
			13	22.44	1.00	23.44	<=33.01	Pass
			24	22.35	1.00	23.35	<=33.01	Pass
		12	0	21.50	1.00	22.50	<=33.01	Pass
			6	21.50	1.00	22.50	<=33.01	Pass
			13	21.46	1.00	22.46	<=33.01	Pass
		25	0	21.49	1.00	22.49	<=33.01	Pass
	2535	1	0	22.33	1.00	23.33	<=33.01	Pass
			13	22.37	1.00	23.37	<=33.01	Pass
			24	22.30	1.00	23.30	<=33.01	Pass
		12	0	21.44	1.00	22.44	<=33.01	Pass
			6	21.39	1.00	22.39	<=33.01	Pass
			13	21.36	1.00	22.36	<=33.01	Pass
		25	0	21.44	1.00	22.44	<=33.01	Pass
	2567.5	1	0	22.36	1.00	23.36	<=33.01	Pass
			13	22.29	1.00	23.29	<=33.01	Pass
			24	22.26	1.00	23.26	<=33.01	Pass
		12	0	21.38	1.00	22.38	<=33.01	Pass
			6	21.35	1.00	22.35	<=33.01	Pass
			13	21.36	1.00	22.36	<=33.01	Pass
		25	0	21.36	1.00	22.36	<=33.01	Pass
16QAM	2502.5	1	0	21.88	1.00	22.88	<=33.01	Pass
			13	22.11	1.00	23.11	<=33.01	Pass
			24	21.88	1.00	22.88	<=33.01	Pass
		12	0	20.52	1.00	21.52	<=33.01	Pass
			6	20.50	1.00	21.50	<=33.01	Pass
			13	20.45	1.00	21.45	<=33.01	Pass
		25	0	20.49	1.00	21.49	<=33.01	Pass
	2535	1	0	21.80	1.00	22.80	<=33.01	Pass
			13	21.65	1.00	22.65	<=33.01	Pass
			24	21.69	1.00	22.69	<=33.01	Pass
		12	0	20.48	1.00	21.48	<=33.01	Pass
			6	20.42	1.00	21.42	<=33.01	Pass
			13	20.34	1.00	21.34	<=33.01	Pass
		25	0	20.42	1.00	21.42	<=33.01	Pass
	2567.5	1	0	21.78	1.00	22.78	<=33.01	Pass
			13	21.79	1.00	22.79	<=33.01	Pass
			24	21.57	1.00	22.57	<=33.01	Pass
		12	0	20.40	1.00	21.40	<=33.01	Pass
			6	20.38	1.00	21.38	<=33.01	Pass
			13	20.31	1.00	21.31	<=33.01	Pass
		25	0	20.36	1.00	21.36	<=33.01	Pass
64QAM	2502.5	1	0	20.82	1.00	21.82	<=33.01	Pass
			13	20.77	1.00	21.77	<=33.01	Pass
			24	20.57	1.00	21.57	<=33.01	Pass
		12	0	19.45	1.00	20.45	<=33.01	Pass
			6	19.58	1.00	20.58	<=33.01	Pass
			13	19.54	1.00	20.54	<=33.01	Pass
		25	0	19.50	1.00	20.50	<=33.01	Pass
	2535	1	0	20.59	1.00	21.59	<=33.01	Pass
			13	20.67	1.00	21.67	<=33.01	Pass
			24	20.57	1.00	21.57	<=33.01	Pass
		12	0	19.55	1.00	20.55	<=33.01	Pass
			6	19.40	1.00	20.40	<=33.01	Pass

			13	19.39	1.00	20.39	<=33.01	Pass
		25	0	19.37	1.00	20.37	<=33.01	Pass
	2567.5	1	0	20.53	1.00	21.53	<=33.01	Pass
			13	20.64	1.00	21.64	<=33.01	Pass
			24	20.55	1.00	21.55	<=33.01	Pass
		12	0	19.35	1.00	20.35	<=33.01	Pass
			6	19.37	1.00	20.37	<=33.01	Pass
			13	19.37	1.00	20.37	<=33.01	Pass
		25	0	19.37	1.00	20.37	<=33.01	Pass
	256QAM	2502.5	1	0	17.60	1.00	18.60	<=33.01
13				17.70	1.00	18.70	<=33.01	Pass
24				17.62	1.00	18.62	<=33.01	Pass
12			0	17.55	1.00	18.55	<=33.01	Pass
			6	17.53	1.00	18.53	<=33.01	Pass
			13	17.49	1.00	18.49	<=33.01	Pass
25			0	17.54	1.00	18.54	<=33.01	Pass
2535		1	0	17.40	1.00	18.40	<=33.01	Pass
			13	17.52	1.00	18.52	<=33.01	Pass
			24	17.48	1.00	18.48	<=33.01	Pass
		12	0	17.43	1.00	18.43	<=33.01	Pass
			6	17.50	1.00	18.50	<=33.01	Pass
			13	17.49	1.00	18.49	<=33.01	Pass
		25	0	17.48	1.00	18.48	<=33.01	Pass
2567.5		1	0	17.44	1.00	18.44	<=33.01	Pass
			13	17.49	1.00	18.49	<=33.01	Pass
			24	17.38	1.00	18.38	<=33.01	Pass
		12	0	17.53	1.00	18.53	<=33.01	Pass
			6	17.38	1.00	18.38	<=33.01	Pass
			13	17.35	1.00	18.35	<=33.01	Pass
		25	0	17.35	1.00	18.35	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	22.51	1.00	23.51	<=33.01	Pass
			25	22.52	1.00	23.52	<=33.01	Pass
			49	22.38	1.00	23.38	<=33.01	Pass
		25	0	21.51	1.00	22.51	<=33.01	Pass
			13	21.47	1.00	22.47	<=33.01	Pass
			25	21.42	1.00	22.42	<=33.01	Pass
		50	0	21.38	1.00	22.38	<=33.01	Pass
	2535	1	0	22.44	1.00	23.44	<=33.01	Pass
			25	22.48	1.00	23.48	<=33.01	Pass
			49	22.47	1.00	23.47	<=33.01	Pass
		25	0	21.51	1.00	22.51	<=33.01	Pass
			13	21.49	1.00	22.49	<=33.01	Pass
			25	21.47	1.00	22.47	<=33.01	Pass
		50	0	21.45	1.00	22.45	<=33.01	Pass
	2565	1	0	22.28	1.00	23.28	<=33.01	Pass
			25	22.35	1.00	23.35	<=33.01	Pass
			49	22.29	1.00	23.29	<=33.01	Pass
		25	0	21.39	1.00	22.39	<=33.01	Pass
			13	21.47	1.00	22.47	<=33.01	Pass
			25	21.42	1.00	22.42	<=33.01	Pass
		50	0	21.44	1.00	22.44	<=33.01	Pass
16QAM	2505	1	0	21.84	1.00	22.84	<=33.01	Pass
			25	21.92	1.00	22.92	<=33.01	Pass
			49	21.64	1.00	22.64	<=33.01	Pass
		25	0	20.53	1.00	21.53	<=33.01	Pass

		50	13	20.47	1.00	21.47	<=33.01	Pass
			25	20.42	1.00	21.42	<=33.01	Pass
			0	20.48	1.00	21.48	<=33.01	Pass
	2535	1	0	21.52	1.00	22.52	<=33.01	Pass
			25	21.97	1.00	22.97	<=33.01	Pass
			49	21.80	1.00	22.80	<=33.01	Pass
		25	0	20.51	1.00	21.51	<=33.01	Pass
			13	20.50	1.00	21.50	<=33.01	Pass
			25	20.40	1.00	21.40	<=33.01	Pass
		50	0	20.42	1.00	21.42	<=33.01	Pass
	2565	1	0	21.79	1.00	22.79	<=33.01	Pass
			25	21.56	1.00	22.56	<=33.01	Pass
			49	21.51	1.00	22.51	<=33.01	Pass
		25	0	20.39	1.00	21.39	<=33.01	Pass
			13	20.36	1.00	21.36	<=33.01	Pass
			25	20.38	1.00	21.38	<=33.01	Pass
		50	0	20.34	1.00	21.34	<=33.01	Pass
64QAM	2505	1	0	20.54	1.00	21.54	<=33.01	Pass
			25	20.66	1.00	21.66	<=33.01	Pass
			49	20.49	1.00	21.49	<=33.01	Pass
		25	0	19.49	1.00	20.49	<=33.01	Pass
			13	19.46	1.00	20.46	<=33.01	Pass
			25	19.45	1.00	20.45	<=33.01	Pass
		50	0	19.40	1.00	20.40	<=33.01	Pass
	2535	1	0	20.73	1.00	21.73	<=33.01	Pass
			25	20.76	1.00	21.76	<=33.01	Pass
			49	20.66	1.00	21.66	<=33.01	Pass
		25	0	19.58	1.00	20.58	<=33.01	Pass
			13	19.39	1.00	20.39	<=33.01	Pass
			25	19.36	1.00	20.36	<=33.01	Pass
		50	0	19.42	1.00	20.42	<=33.01	Pass
	2565	1	0	20.55	1.00	21.55	<=33.01	Pass
			25	20.64	1.00	21.64	<=33.01	Pass
			49	20.56	1.00	21.56	<=33.01	Pass
		25	0	19.49	1.00	20.49	<=33.01	Pass
			13	19.37	1.00	20.37	<=33.01	Pass
			25	19.36	1.00	20.36	<=33.01	Pass
256QAM	2505	1	0	17.63	1.00	18.63	<=33.01	Pass
			25	17.60	1.00	18.60	<=33.01	Pass
			49	17.58	1.00	18.58	<=33.01	Pass
		25	0	17.58	1.00	18.58	<=33.01	Pass
			13	17.48	1.00	18.48	<=33.01	Pass
			25	17.43	1.00	18.43	<=33.01	Pass
		50	0	17.51	1.00	18.51	<=33.01	Pass
	2535	1	0	17.51	1.00	18.51	<=33.01	Pass
			25	17.64	1.00	18.64	<=33.01	Pass
			49	17.40	1.00	18.40	<=33.01	Pass
		25	0	17.55	1.00	18.55	<=33.01	Pass
			13	17.52	1.00	18.52	<=33.01	Pass
			25	17.53	1.00	18.53	<=33.01	Pass
	50	0	17.45	1.00	18.45	<=33.01	Pass	
	2565	1	0	17.76	1.00	18.76	<=33.01	Pass
			25	17.39	1.00	18.39	<=33.01	Pass
			49	17.62	1.00	18.62	<=33.01	Pass
		25	0	17.44	1.00	18.44	<=33.01	Pass
			13	17.37	1.00	18.37	<=33.01	Pass
			25	17.37	1.00	18.37	<=33.01	Pass
		50	0	17.45	1.00	18.45	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	22.25	1.00	23.25	<=33.01	Pass
			38	22.26	1.00	23.26	<=33.01	Pass
			74	22.22	1.00	23.22	<=33.01	Pass
		36	0	21.38	1.00	22.38	<=33.01	Pass
			18	21.29	1.00	22.29	<=33.01	Pass
			39	21.28	1.00	22.28	<=33.01	Pass
		75	0	21.22	1.00	22.22	<=33.01	Pass
	2535	1	0	22.17	1.00	23.17	<=33.01	Pass
			38	22.21	1.00	23.21	<=33.01	Pass
			74	22.28	1.00	23.28	<=33.01	Pass
		36	0	21.30	1.00	22.30	<=33.01	Pass
			18	21.30	1.00	22.30	<=33.01	Pass
			39	21.18	1.00	22.18	<=33.01	Pass
		75	0	21.29	1.00	22.29	<=33.01	Pass
	2562.5	1	0	22.05	1.00	23.05	<=33.01	Pass
			38	22.08	1.00	23.08	<=33.01	Pass
			74	22.30	1.00	23.30	<=33.01	Pass
		36	0	21.29	1.00	22.29	<=33.01	Pass
			18	21.30	1.00	22.30	<=33.01	Pass
			39	21.21	1.00	22.21	<=33.01	Pass
		75	0	21.26	1.00	22.26	<=33.01	Pass
16QAM	2507.5	1	0	21.47	1.00	22.47	<=33.01	Pass
			38	21.47	1.00	22.47	<=33.01	Pass
			74	21.89	1.00	22.89	<=33.01	Pass
		36	0	20.38	1.00	21.38	<=33.01	Pass
			18	20.26	1.00	21.26	<=33.01	Pass
			39	20.30	1.00	21.30	<=33.01	Pass
		75	0	20.15	1.00	21.15	<=33.01	Pass
	2535	1	0	21.50	1.00	22.50	<=33.01	Pass
			38	21.75	1.00	22.75	<=33.01	Pass
			74	21.05	1.00	22.05	<=33.01	Pass
		36	0	20.34	1.00	21.34	<=33.01	Pass
			18	20.32	1.00	21.32	<=33.01	Pass
			39	20.34	1.00	21.34	<=33.01	Pass
		75	0	20.21	1.00	21.21	<=33.01	Pass
	2562.5	1	0	21.65	1.00	22.65	<=33.01	Pass
			38	21.59	1.00	22.59	<=33.01	Pass
			74	21.03	1.00	22.03	<=33.01	Pass
		36	0	20.31	1.00	21.31	<=33.01	Pass
			18	20.33	1.00	21.33	<=33.01	Pass
			39	20.13	1.00	21.13	<=33.01	Pass
		75	0	20.25	1.00	21.25	<=33.01	Pass
64QAM	2507.5	1	0	20.96	1.00	21.96	<=33.01	Pass
			38	20.47	1.00	21.47	<=33.01	Pass
			74	20.32	1.00	21.32	<=33.01	Pass
		36	0	19.36	1.00	20.36	<=33.01	Pass
			18	19.30	1.00	20.30	<=33.01	Pass
			39	19.26	1.00	20.26	<=33.01	Pass
		75	0	19.25	1.00	20.25	<=33.01	Pass
	2535	1	0	20.25	1.00	21.25	<=33.01	Pass
			38	20.43	1.00	21.43	<=33.01	Pass
			74	20.25	1.00	21.25	<=33.01	Pass
		36	0	19.37	1.00	20.37	<=33.01	Pass
			18	19.29	1.00	20.29	<=33.01	Pass
			39	19.18	1.00	20.18	<=33.01	Pass
		75	0	19.29	1.00	20.29	<=33.01	Pass
	2562.5	1	0	20.18	1.00	21.18	<=33.01	Pass
			38	20.23	1.00	21.23	<=33.01	Pass
			74	20.48	1.00	21.48	<=33.01	Pass
		36	0	19.34	1.00	20.34	<=33.01	Pass
			18	19.26	1.00	20.26	<=33.01	Pass

			39	19.06	1.00	20.06	<=33.01	Pass	
		75	0	19.29	1.00	20.29	<=33.01	Pass	
256QAM	2507.5	1	0	17.47	1.00	18.47	<=33.01	Pass	
			38	17.41	1.00	18.41	<=33.01	Pass	
			74	17.32	1.00	18.32	<=33.01	Pass	
		36	0	17.47	1.00	18.47	<=33.01	Pass	
			18	17.26	1.00	18.26	<=33.01	Pass	
			39	17.31	1.00	18.31	<=33.01	Pass	
		75	0	17.31	1.00	18.31	<=33.01	Pass	
		2535	1	0	17.25	1.00	18.25	<=33.01	Pass
				38	17.31	1.00	18.31	<=33.01	Pass
	74			18.01	1.00	19.01	<=33.01	Pass	
	36		0	16.66	1.00	17.66	<=33.01	Pass	
			18	17.33	1.00	18.33	<=33.01	Pass	
			39	17.31	1.00	18.31	<=33.01	Pass	
	75		0	17.33	1.00	18.33	<=33.01	Pass	
	2562.5		1	0	17.51	1.00	18.51	<=33.01	Pass
				38	17.21	1.00	18.21	<=33.01	Pass
		74		17.26	1.00	18.26	<=33.01	Pass	
		36	0	17.36	1.00	18.36	<=33.01	Pass	
			18	17.28	1.00	18.28	<=33.01	Pass	
			39	17.24	1.00	18.24	<=33.01	Pass	
		75	0	17.31	1.00	18.31	<=33.01	Pass	
		Note1: EIRP=Conducted Power+Antenna Gain							

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	22.21	1.00	23.21	<=33.01	Pass
			50	22.31	1.00	23.31	<=33.01	Pass
			99	22.38	1.00	23.38	<=33.01	Pass
		50	0	21.33	1.00	22.33	<=33.01	Pass
			25	21.36	1.00	22.36	<=33.01	Pass
			50	21.32	1.00	22.32	<=33.01	Pass
		100	0	21.33	1.00	22.33	<=33.01	Pass
	2535	1	0	22.25	1.00	23.25	<=33.01	Pass
			50	22.30	1.00	23.30	<=33.01	Pass
			99	22.22	1.00	23.22	<=33.01	Pass
		50	0	21.43	1.00	22.43	<=33.01	Pass
			25	21.29	1.00	22.29	<=33.01	Pass
			50	21.30	1.00	22.30	<=33.01	Pass
		100	0	21.28	1.00	22.28	<=33.01	Pass
	2560	1	0	22.17	1.00	23.17	<=33.01	Pass
			50	22.41	1.00	23.41	<=33.01	Pass
			99	22.03	1.00	23.03	<=33.01	Pass
		50	0	21.39	1.00	22.39	<=33.01	Pass
			25	21.27	1.00	22.27	<=33.01	Pass
			50	21.24	1.00	22.24	<=33.01	Pass
		100	0	21.25	1.00	22.25	<=33.01	Pass
16QAM	2510	1	0	21.48	1.00	22.48	<=33.01	Pass
			50	21.60	1.00	22.60	<=33.01	Pass
			99	21.40	1.00	22.40	<=33.01	Pass
		50	0	20.38	1.00	21.38	<=33.01	Pass
			25	20.48	1.00	21.48	<=33.01	Pass
			50	20.28	1.00	21.28	<=33.01	Pass
		100	0	20.36	1.00	21.36	<=33.01	Pass
	2535	1	0	21.70	1.00	22.70	<=33.01	Pass
			50	21.43	1.00	22.43	<=33.01	Pass
			99	21.45	1.00	22.45	<=33.01	Pass
		50	0	20.38	1.00	21.38	<=33.01	Pass

		100	25	20.28	1.00	21.28	<=33.01	Pass
			50	20.29	1.00	21.29	<=33.01	Pass
			0	20.35	1.00	21.35	<=33.01	Pass
	2560	1	0	21.47	1.00	22.47	<=33.01	Pass
			50	21.41	1.00	22.41	<=33.01	Pass
			99	21.72	1.00	22.72	<=33.01	Pass
		50	0	20.31	1.00	21.31	<=33.01	Pass
			25	20.34	1.00	21.34	<=33.01	Pass
			50	20.03	1.00	21.03	<=33.01	Pass
		100	0	20.32	1.00	21.32	<=33.01	Pass
64QAM	2510	1	0	20.36	1.00	21.36	<=33.01	Pass
			50	20.52	1.00	21.52	<=33.01	Pass
			99	20.54	1.00	21.54	<=33.01	Pass
		50	0	19.42	1.00	20.42	<=33.01	Pass
			25	19.41	1.00	20.41	<=33.01	Pass
			50	19.28	1.00	20.28	<=33.01	Pass
		100	0	19.38	1.00	20.38	<=33.01	Pass
	2535	1	0	20.39	1.00	21.39	<=33.01	Pass
			50	20.54	1.00	21.54	<=33.01	Pass
			99	20.83	1.00	21.83	<=33.01	Pass
		50	0	19.36	1.00	20.36	<=33.01	Pass
			25	19.29	1.00	20.29	<=33.01	Pass
			50	19.25	1.00	20.25	<=33.01	Pass
		100	0	19.26	1.00	20.26	<=33.01	Pass
	2560	1	0	20.39	1.00	21.39	<=33.01	Pass
			50	20.29	1.00	21.29	<=33.01	Pass
			99	20.52	1.00	21.52	<=33.01	Pass
		50	0	19.40	1.00	20.40	<=33.01	Pass
			25	19.30	1.00	20.30	<=33.01	Pass
			50	19.20	1.00	20.20	<=33.01	Pass
		100	0	19.27	1.00	20.27	<=33.01	Pass
256QAM	2510	1	0	18.03	1.00	19.03	<=33.01	Pass
			50	16.79	1.00	17.79	<=33.01	Pass
			99	17.71	1.00	18.71	<=33.01	Pass
		50	0	17.39	1.00	18.39	<=33.01	Pass
			25	17.40	1.00	18.40	<=33.01	Pass
			50	17.37	1.00	18.37	<=33.01	Pass
		100	0	17.27	1.00	18.27	<=33.01	Pass
	2535	1	0	17.56	1.00	18.56	<=33.01	Pass
			50	17.37	1.00	18.37	<=33.01	Pass
			99	17.89	1.00	18.89	<=33.01	Pass
		50	0	16.92	1.00	17.92	<=33.01	Pass
			25	17.37	1.00	18.37	<=33.01	Pass
			50	17.25	1.00	18.25	<=33.01	Pass
		100	0	17.21	1.00	18.21	<=33.01	Pass
	2560	1	0	17.64	1.00	18.64	<=33.01	Pass
			50	17.50	1.00	18.50	<=33.01	Pass
			99	17.23	1.00	18.23	<=33.01	Pass
		50	0	17.36	1.00	18.36	<=33.01	Pass
			25	17.34	1.00	18.34	<=33.01	Pass
			50	17.20	1.00	18.20	<=33.01	Pass
		100	0	17.30	1.00	18.30	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B7_10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2535	50	0	20	3.27	-1.000	-0.0004	-2.5 to 2.5	Pass
					3.85	1.000	0.0004	-2.5 to 2.5	Pass
					4.43	0.600	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.500	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.800	0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.000	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.500	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.800	0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.533	/	Pass
	16QAM	2535	25	0	4.524	/	Pass
	64QAM	2535	25	0	4.538	/	Pass
	256QAM	2535	25	0	4.520	/	Pass
10	QPSK	2535	50	0	9.033	/	Pass
	16QAM	2535	50	0	9.043	/	Pass
	64QAM	2535	50	0	8.985	/	Pass
	256QAM	2535	50	0	9.028	/	Pass
15	QPSK	2535	75	0	13.505	/	Pass
	16QAM	2535	75	0	13.459	/	Pass
	64QAM	2535	75	0	13.525	/	Pass
	256QAM	2535	75	0	13.511	/	Pass
20	QPSK	2535	100	0	18.055	/	Pass
	16QAM	2535	100	0	18.077	/	Pass
	64QAM	2535	100	0	18.125	/	Pass
	256QAM	2535	100	0	18.066	/	Pass

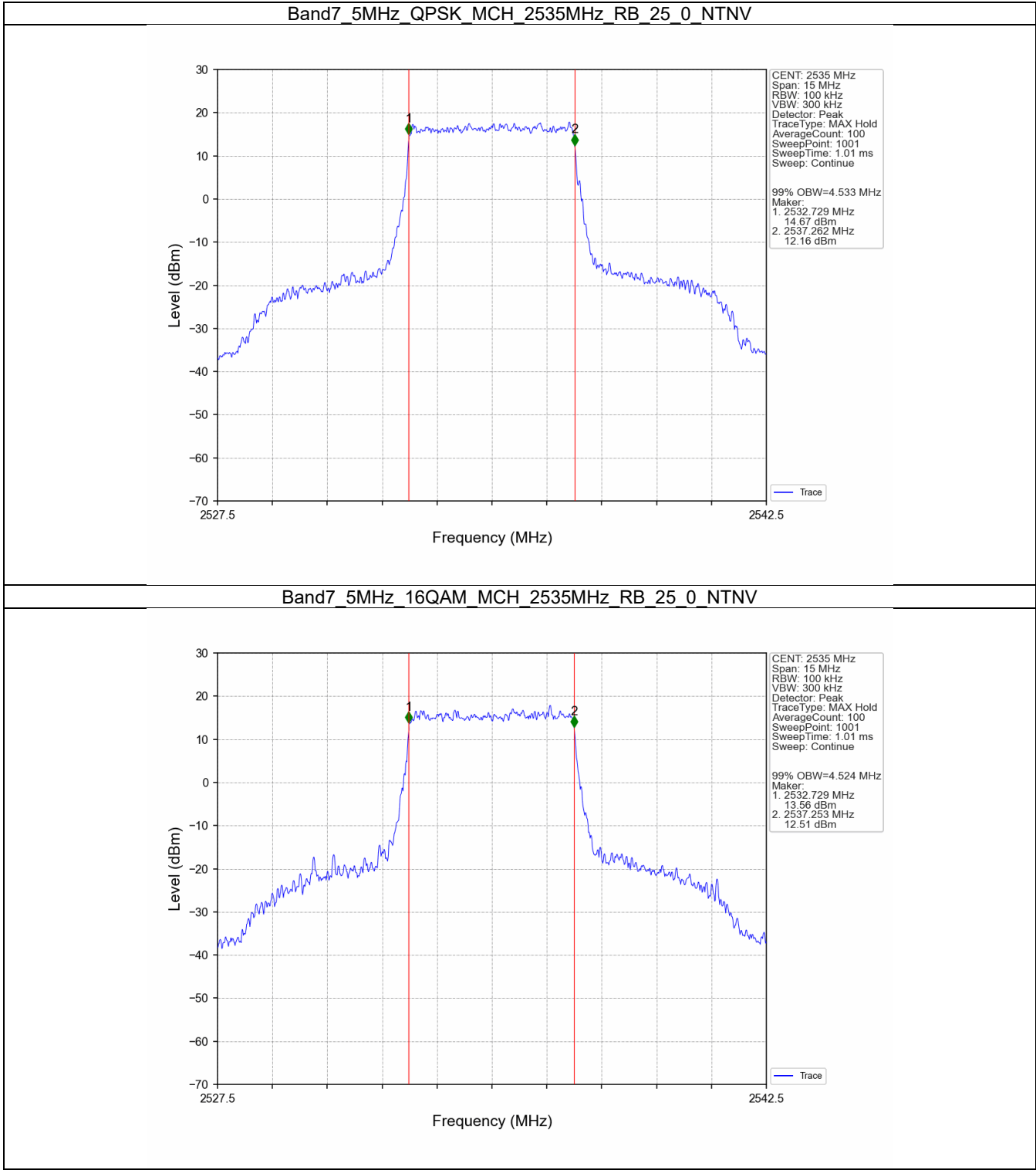
3.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.199	/	Pass
	16QAM	2535	25	0	5.136	/	Pass
	64QAM	2535	25	0	5.080	/	Pass
	256QAM	2535	25	0	5.184	/	Pass
10	QPSK	2535	50	0	10.037	/	Pass
	16QAM	2535	50	0	10.040	/	Pass
	64QAM	2535	50	0	9.991	/	Pass
	256QAM	2535	50	0	10.106	/	Pass
15	QPSK	2535	75	0	14.940	/	Pass
	16QAM	2535	75	0	15.046	/	Pass
	64QAM	2535	75	0	14.970	/	Pass
	256QAM	2535	75	0	14.720	/	Pass
20	QPSK	2535	100	0	19.888	/	Pass
	16QAM	2535	100	0	19.651	/	Pass
	64QAM	2535	100	0	19.884	/	Pass

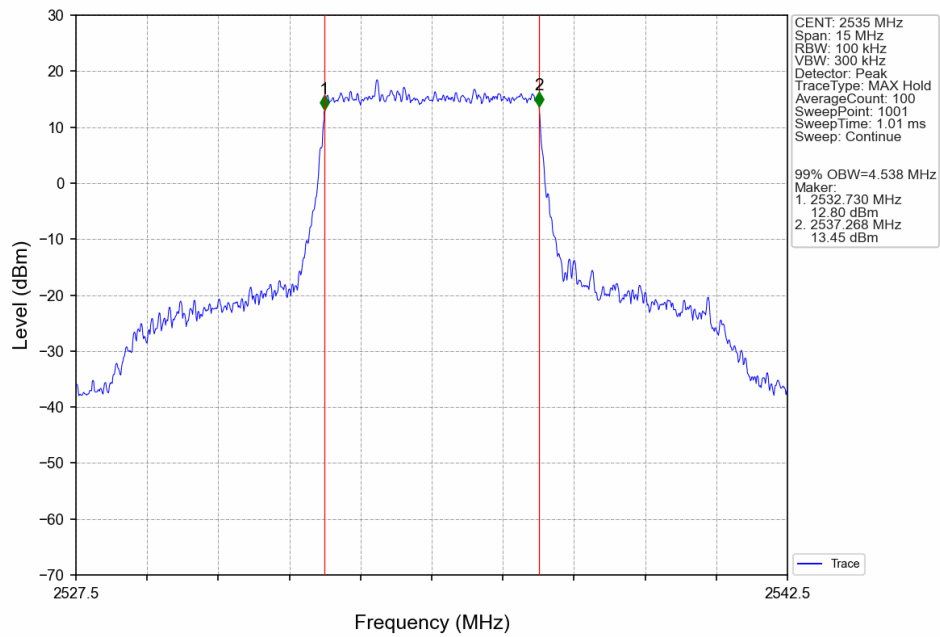
	256QAM	2535	100	0	19.806	/	Pass
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3.2 Test Graph

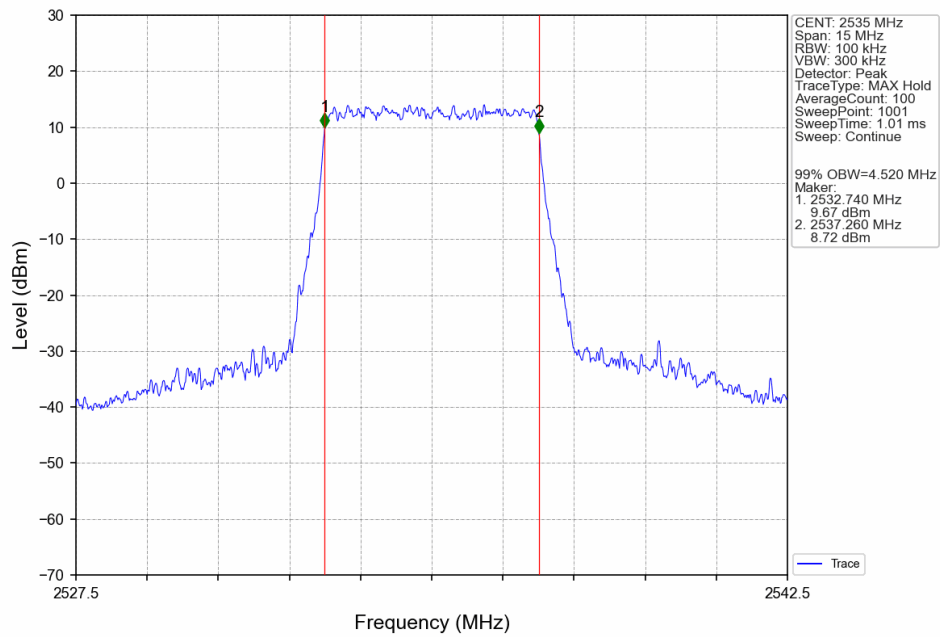
3.2.1 Band7_OBW



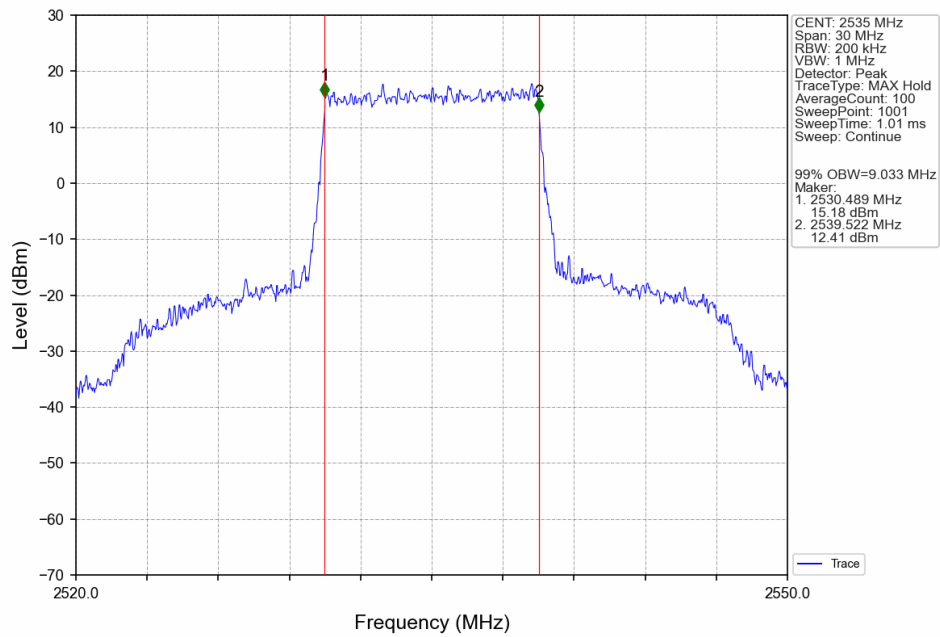
Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV



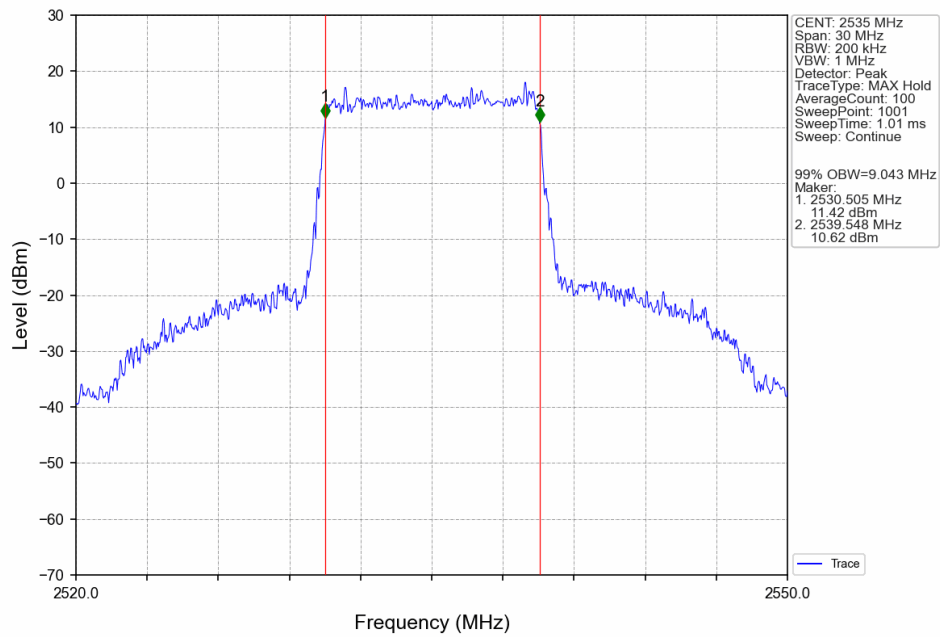
Band7_5MHz_256QAM_MCH_2535MHz_RB_25_0_NTNV



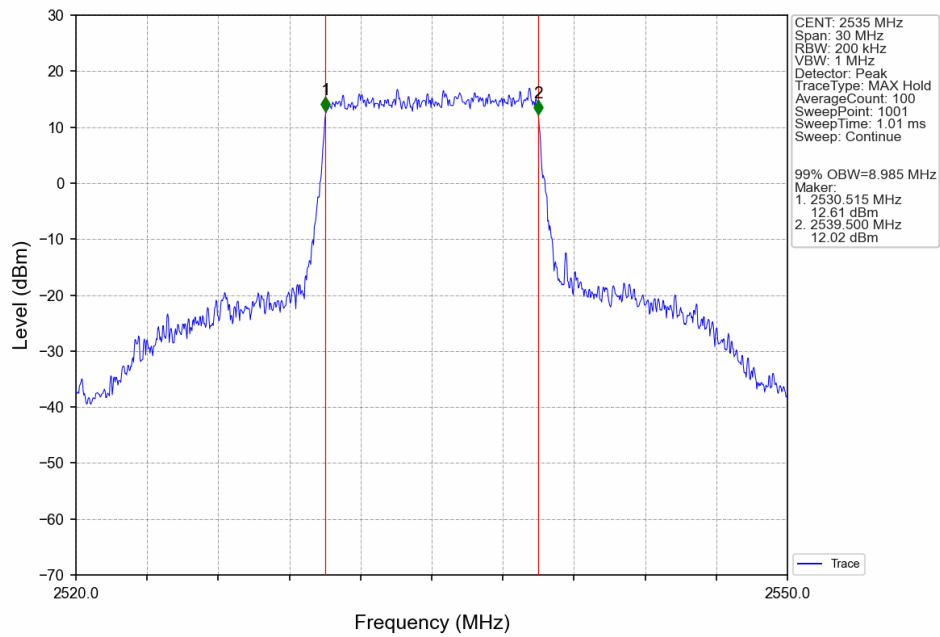
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



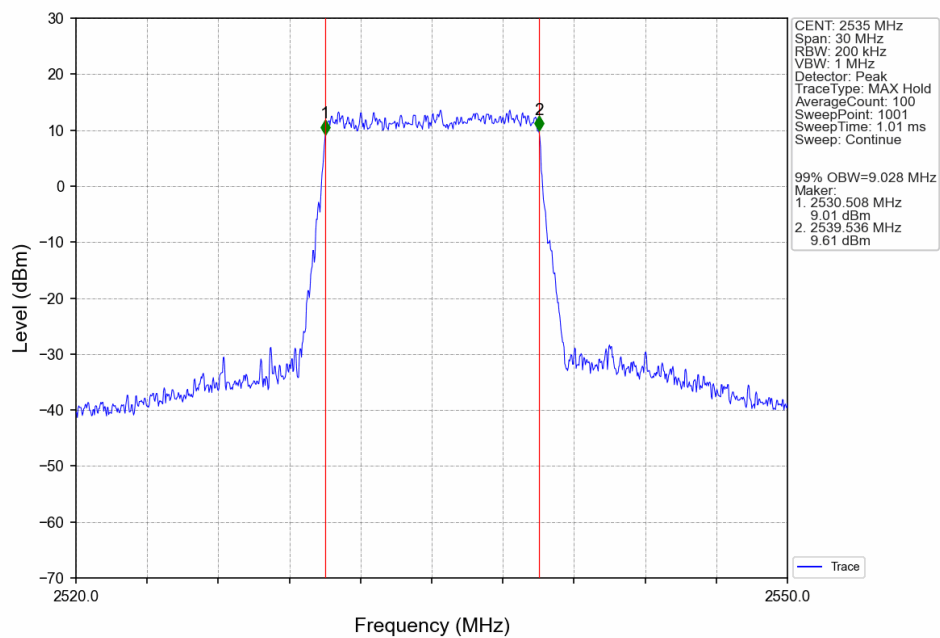
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



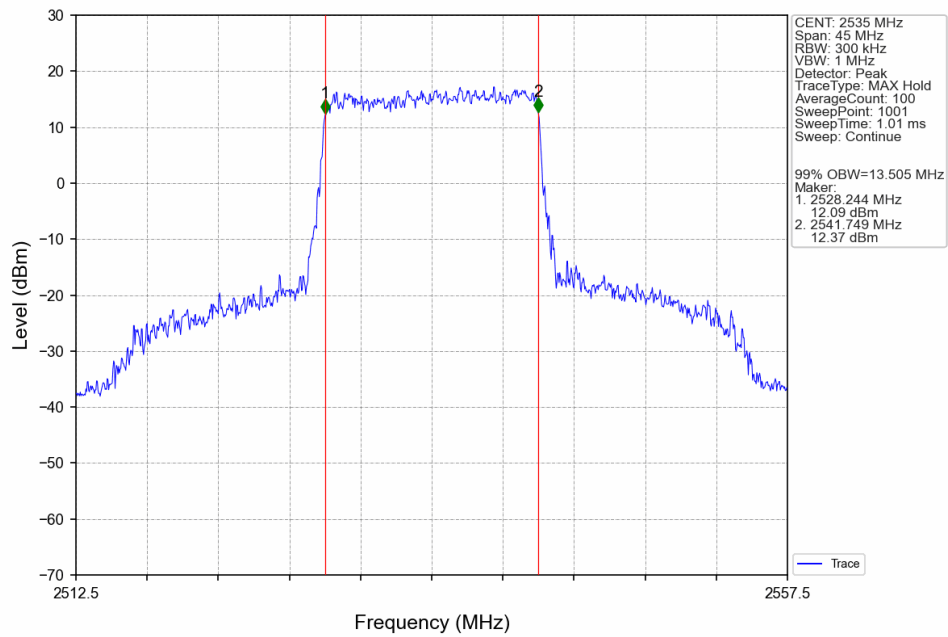
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



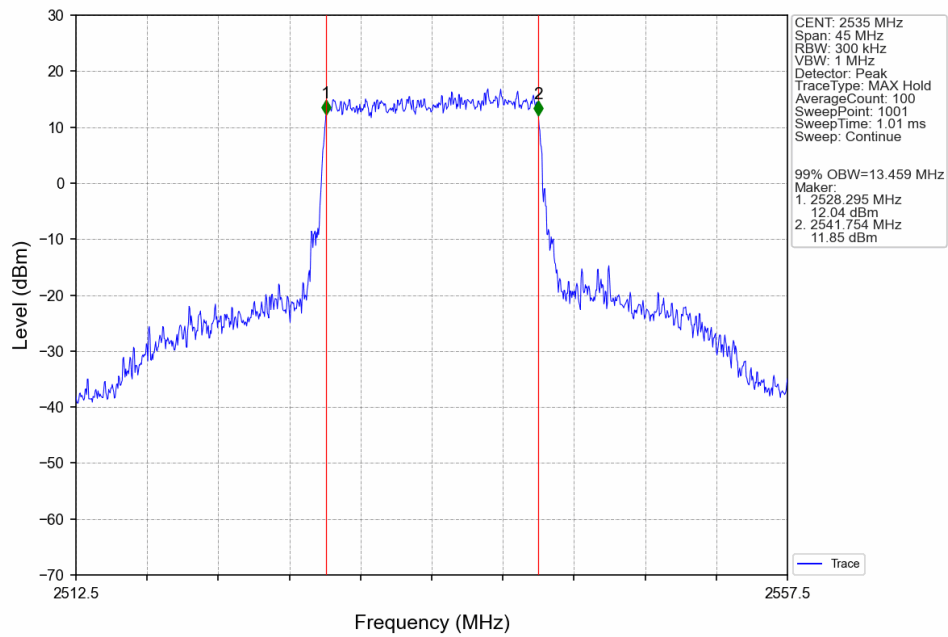
Band7_10MHz_256QAM_MCH_2535MHz_RB_50_0_NTNV



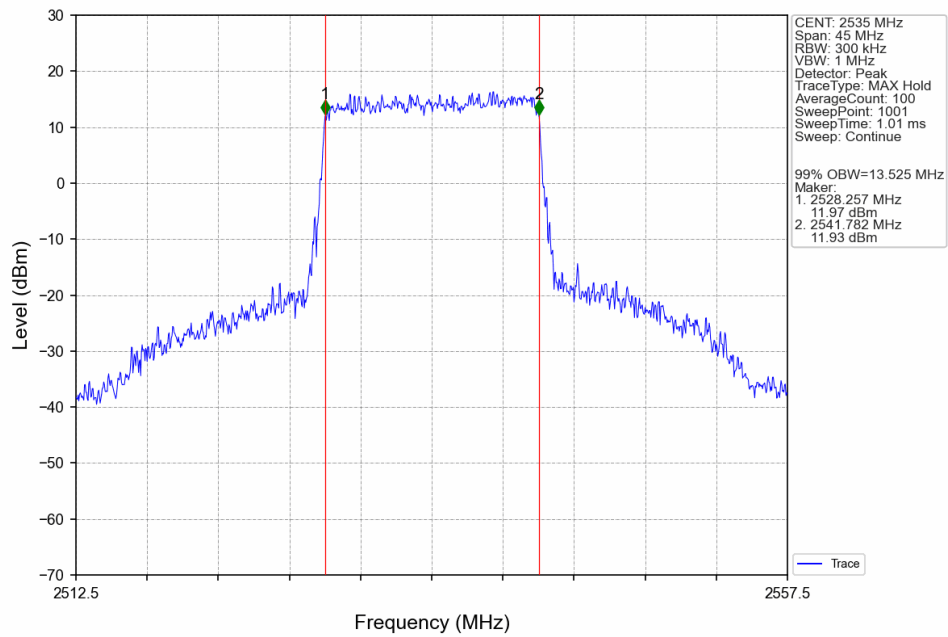
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



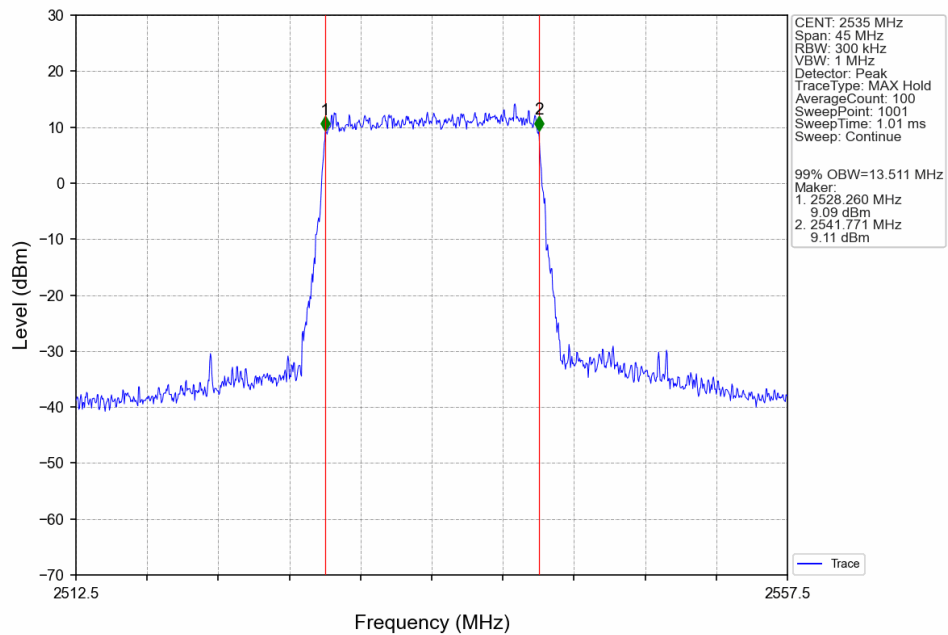
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



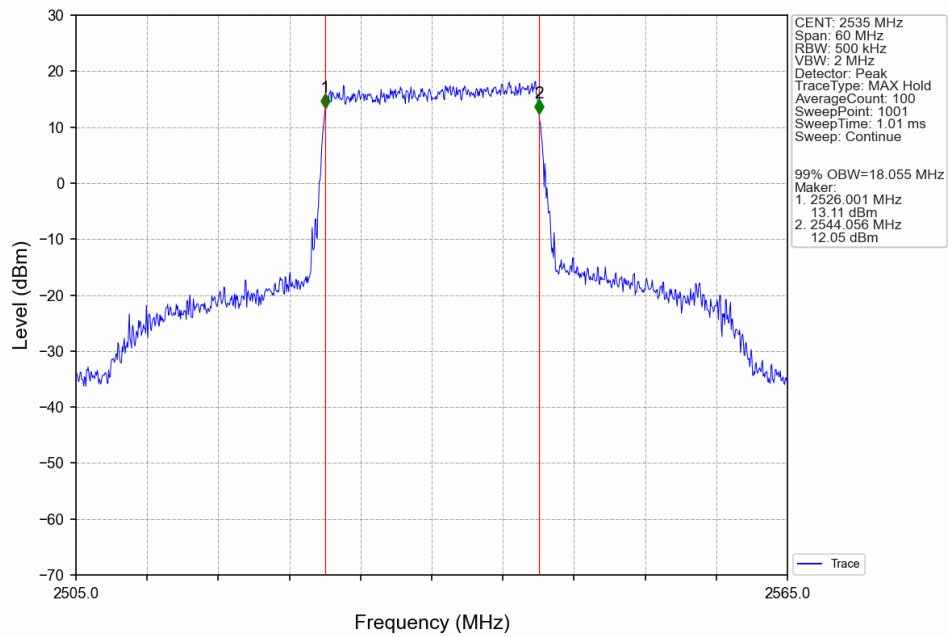
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



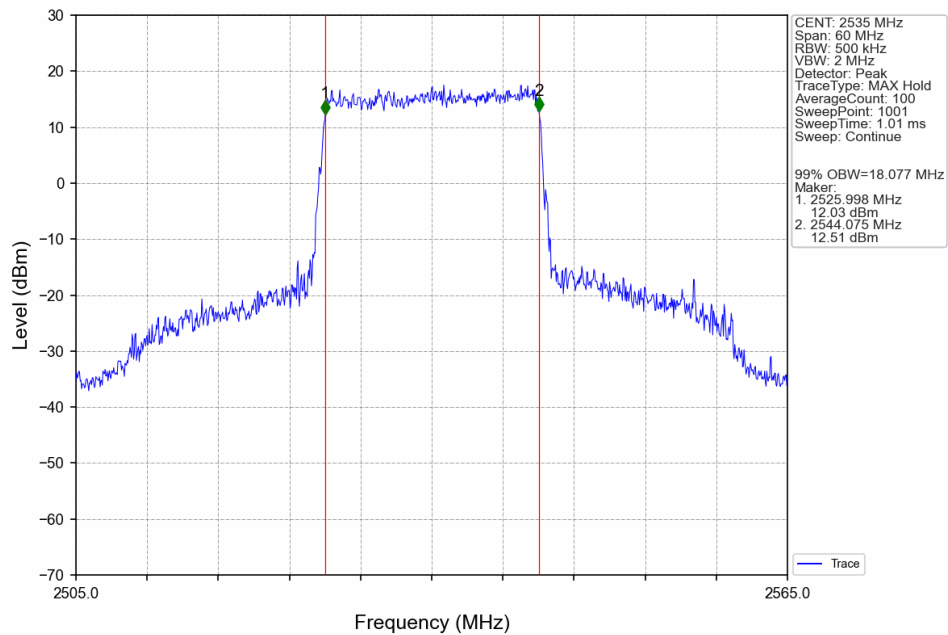
Band7_15MHz_256QAM_MCH_2535MHz_RB_75_0_NTNV



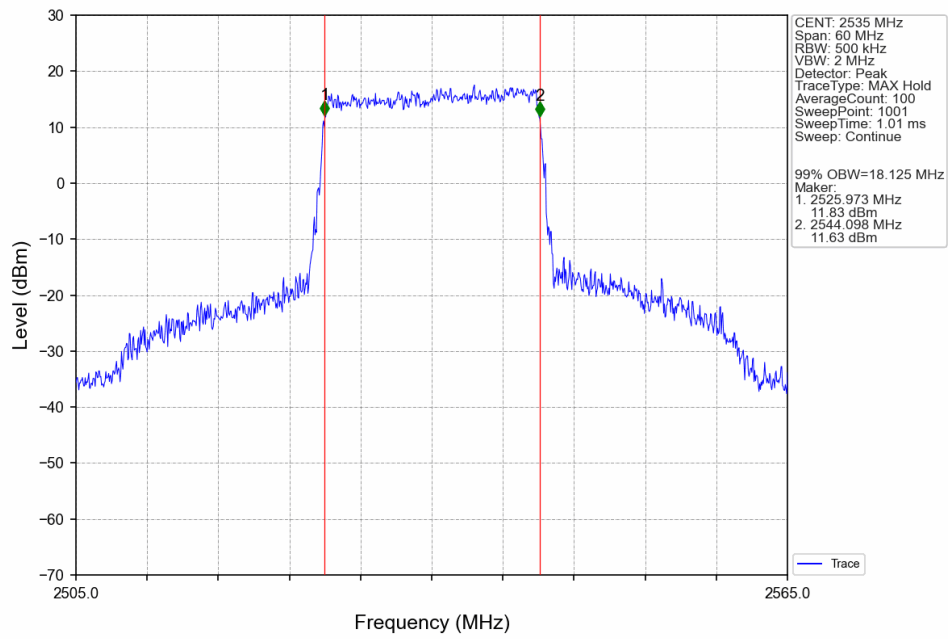
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



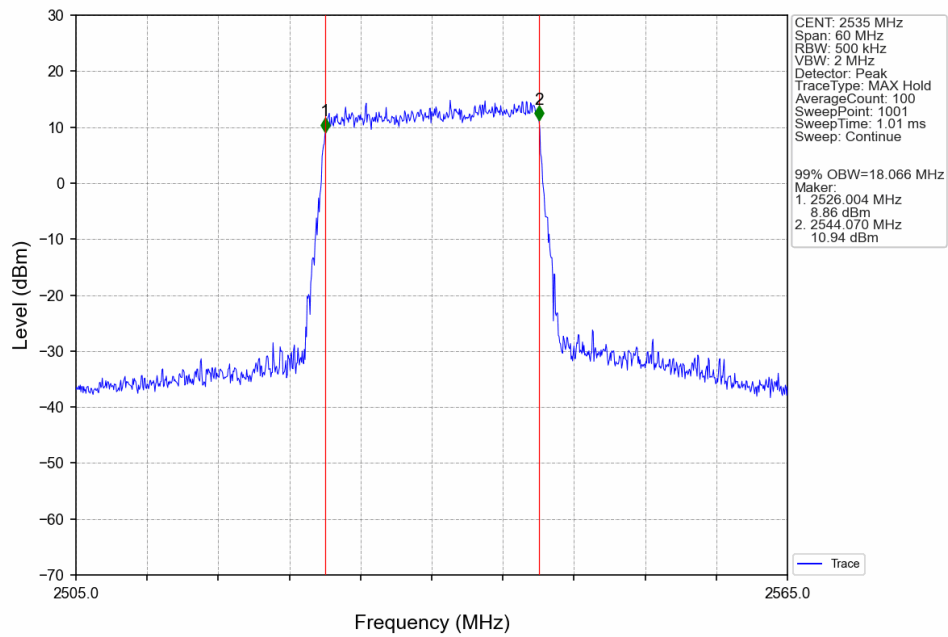
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



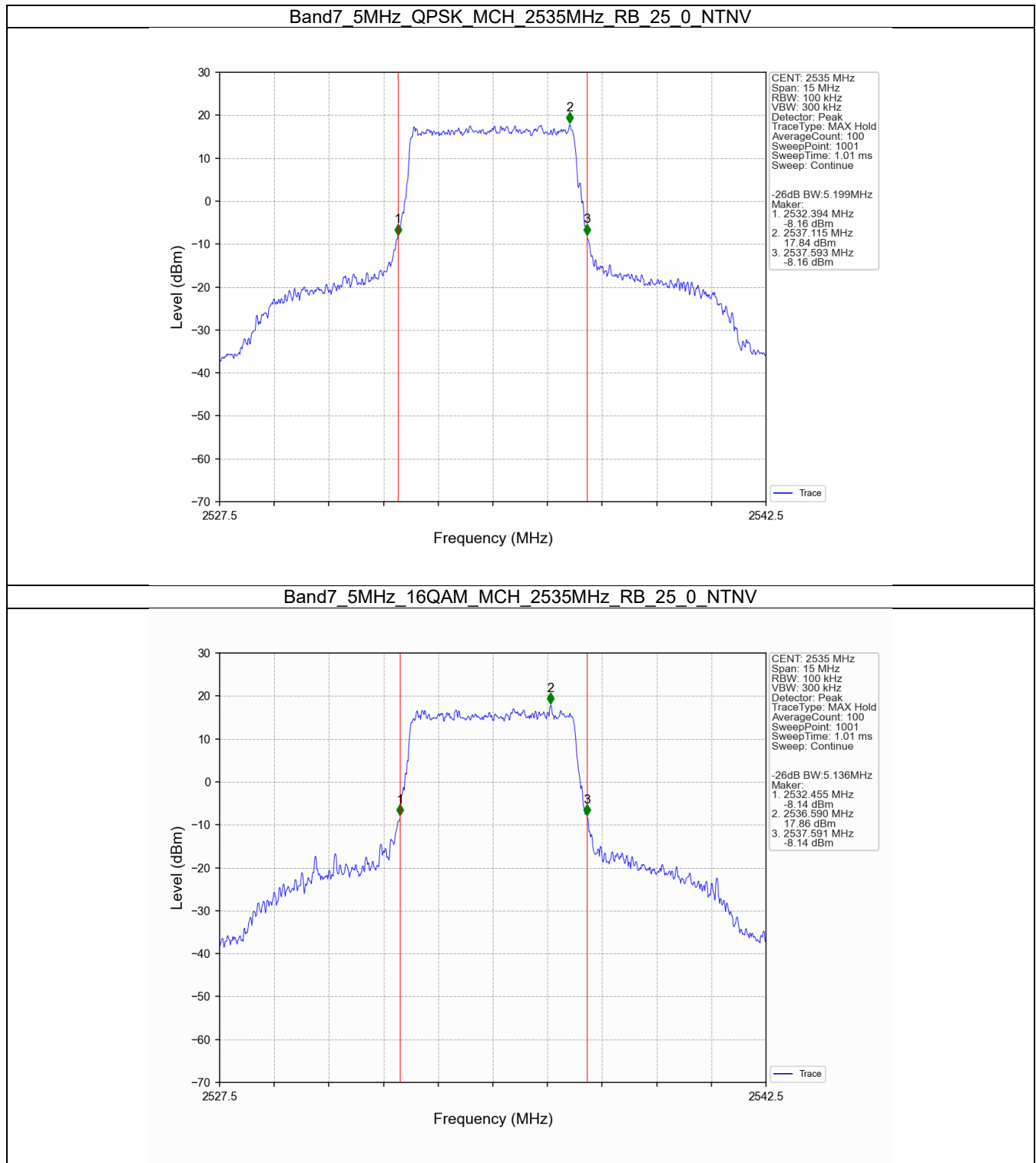
Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTN



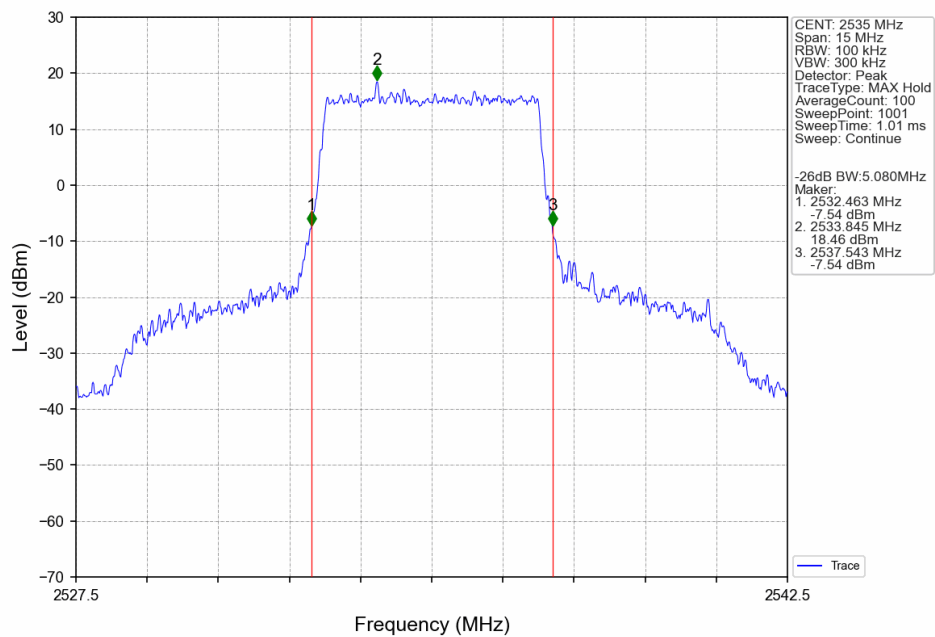
Band7 20MHz 256QAM MCH 2535MHz RB 100 0 NTN



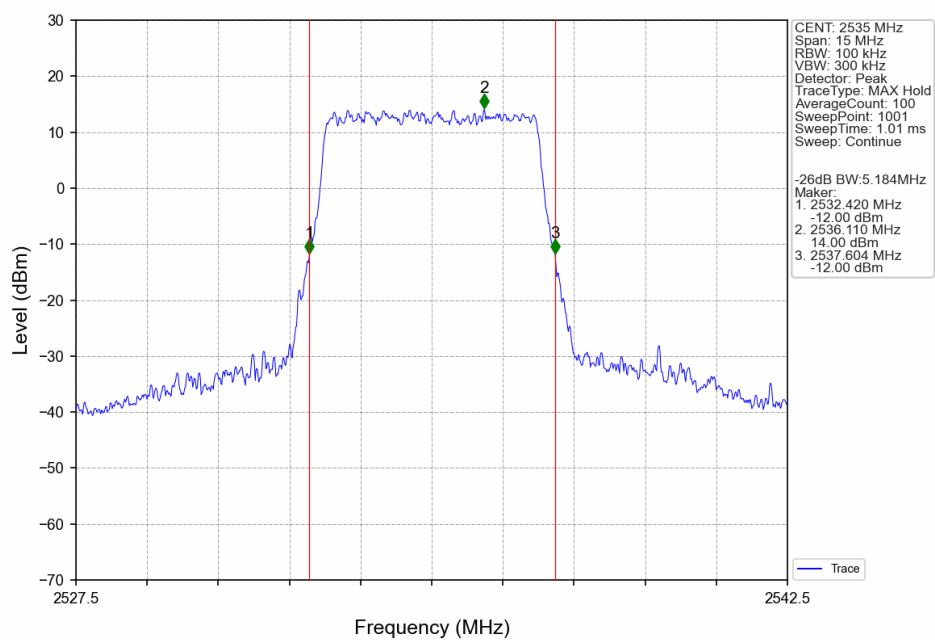
3.2.2 Band7_XDB



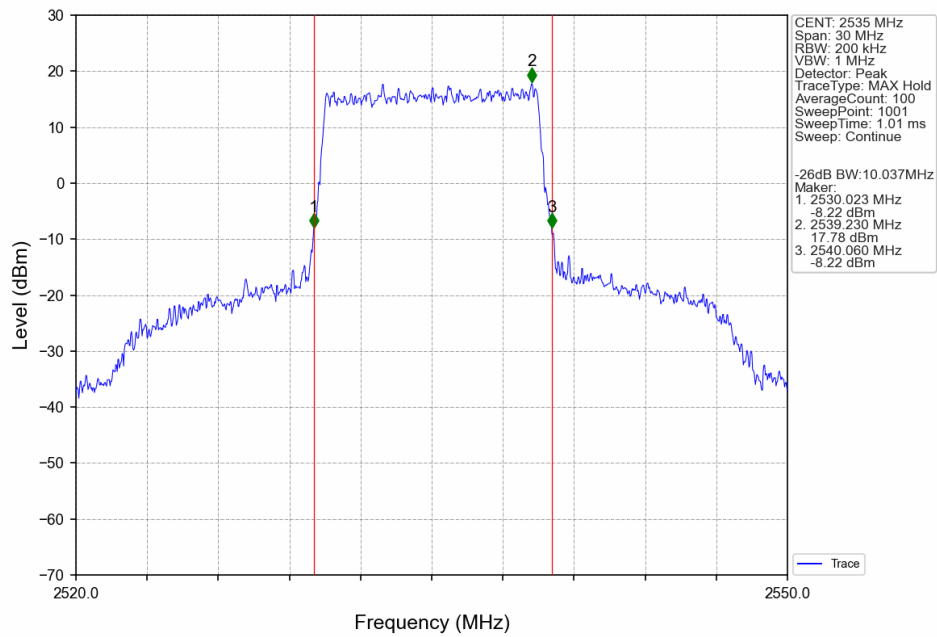
Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV



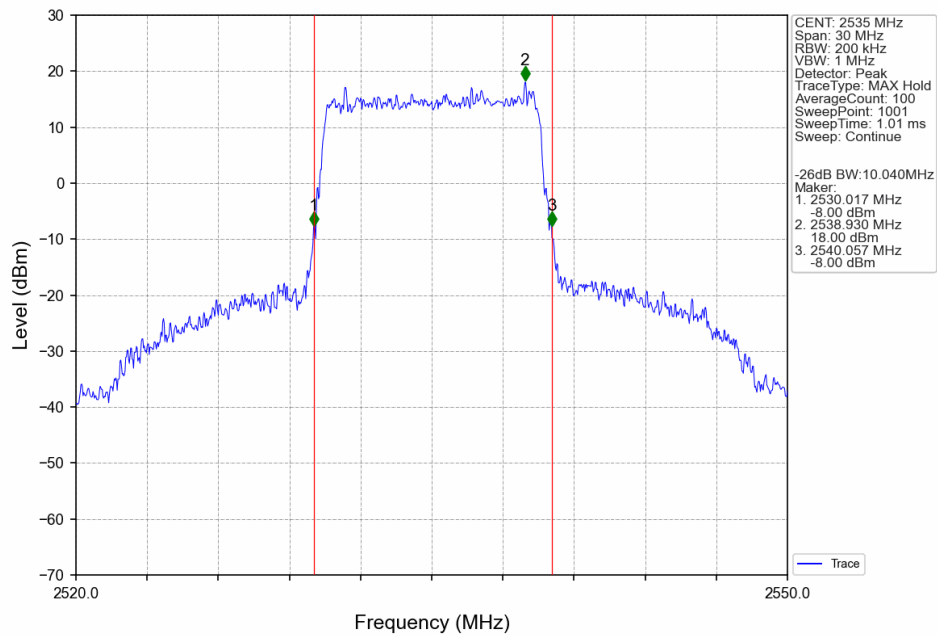
Band7_5MHz_256QAM_MCH_2535MHz_RB_25_0_NTNV



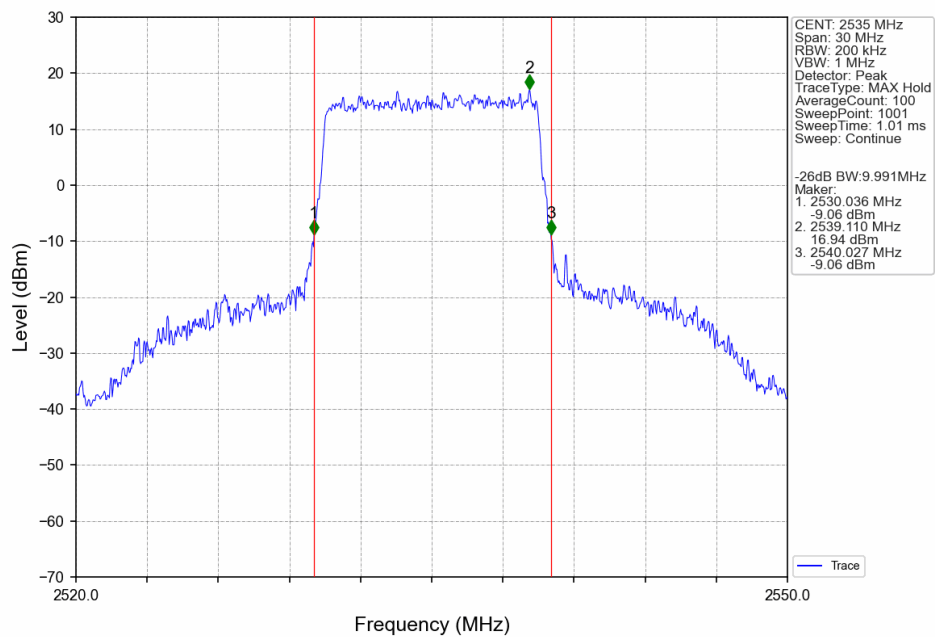
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



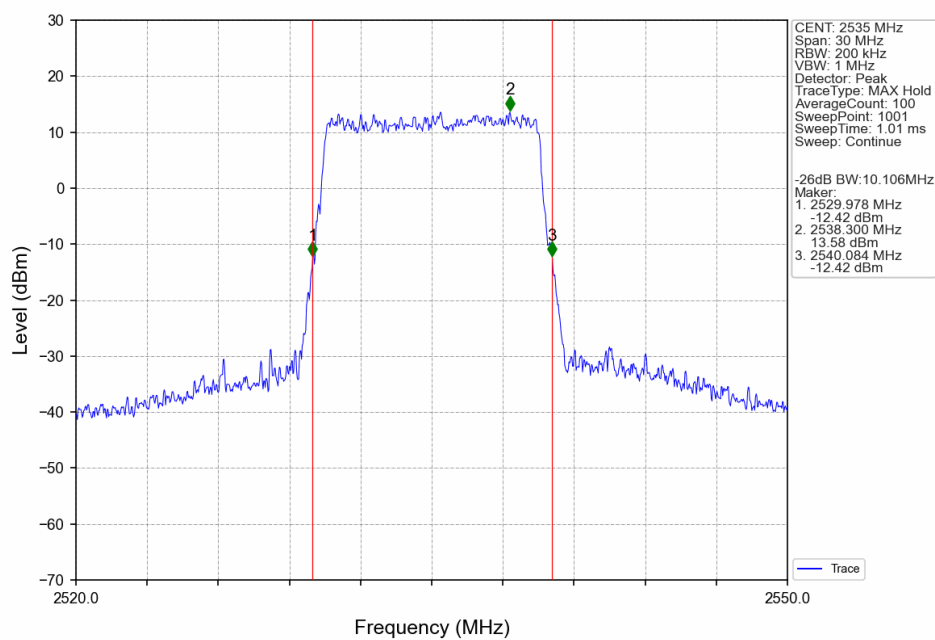
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



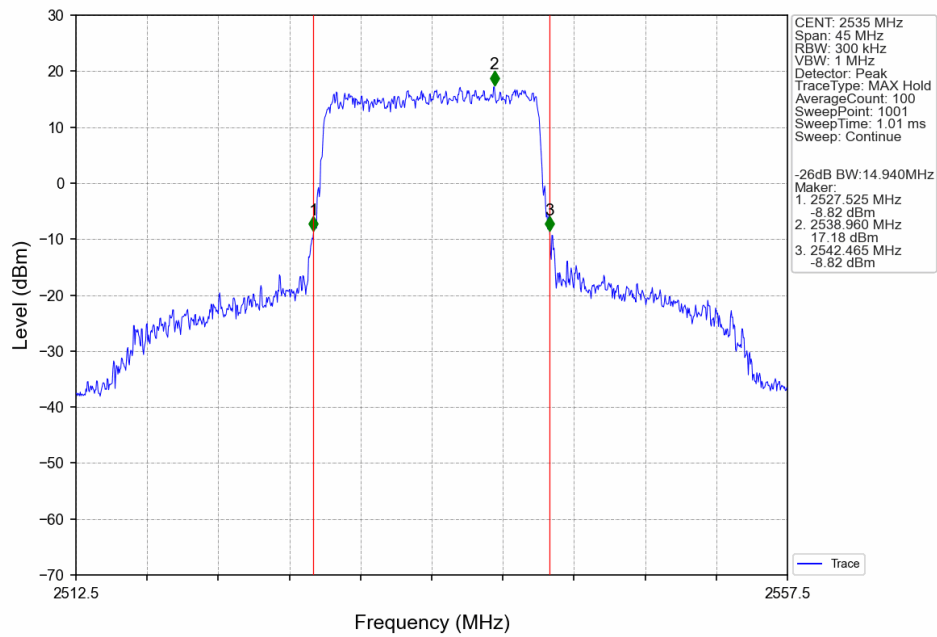
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



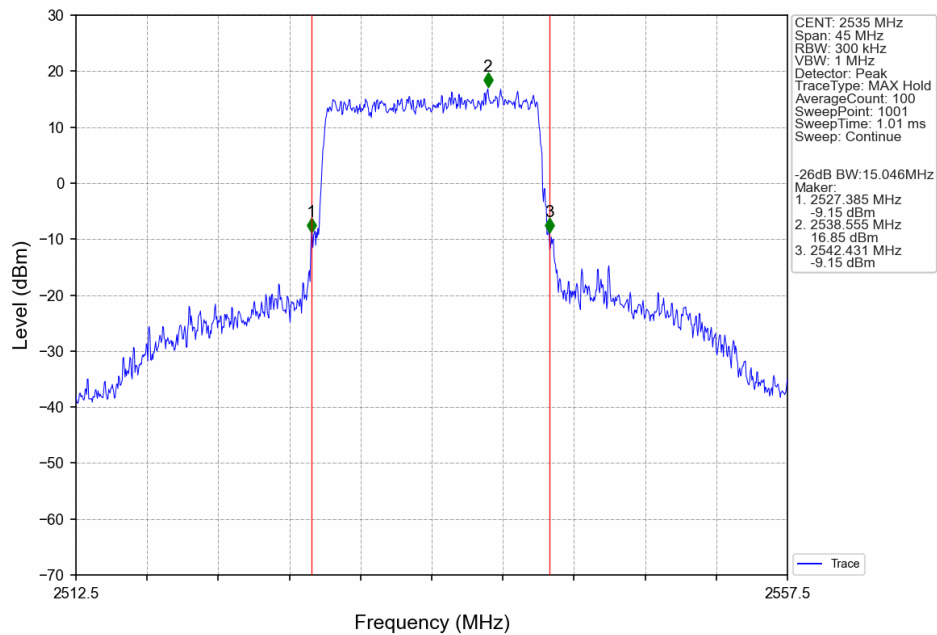
Band7_10MHz_256QAM_MCH_2535MHz_RB_50_0_NTNV



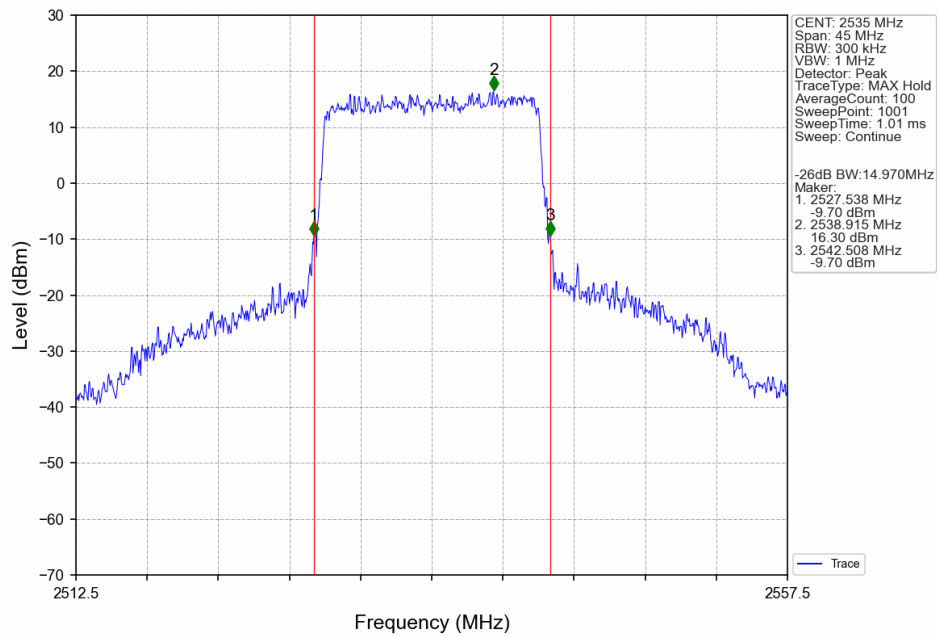
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



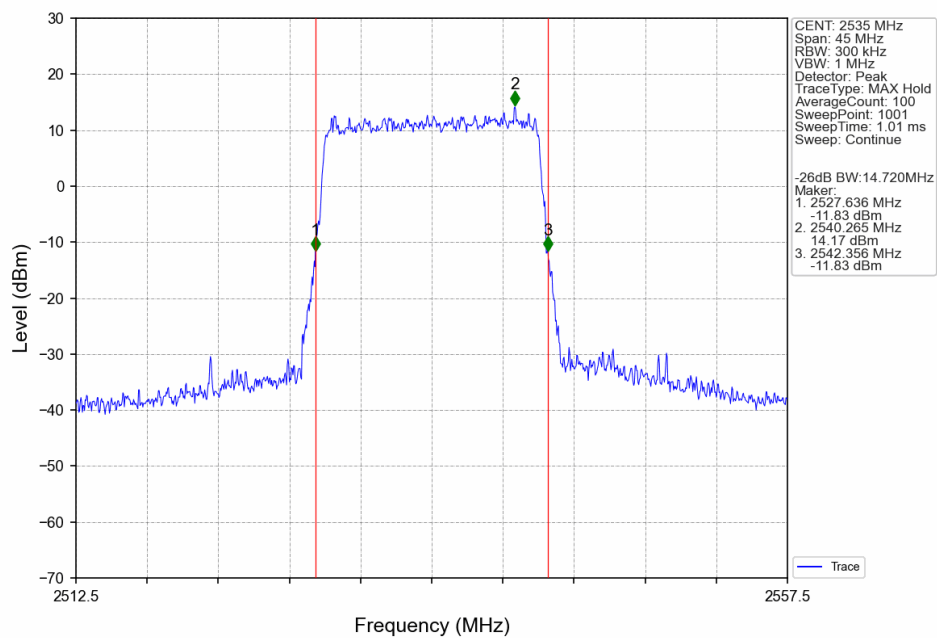
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



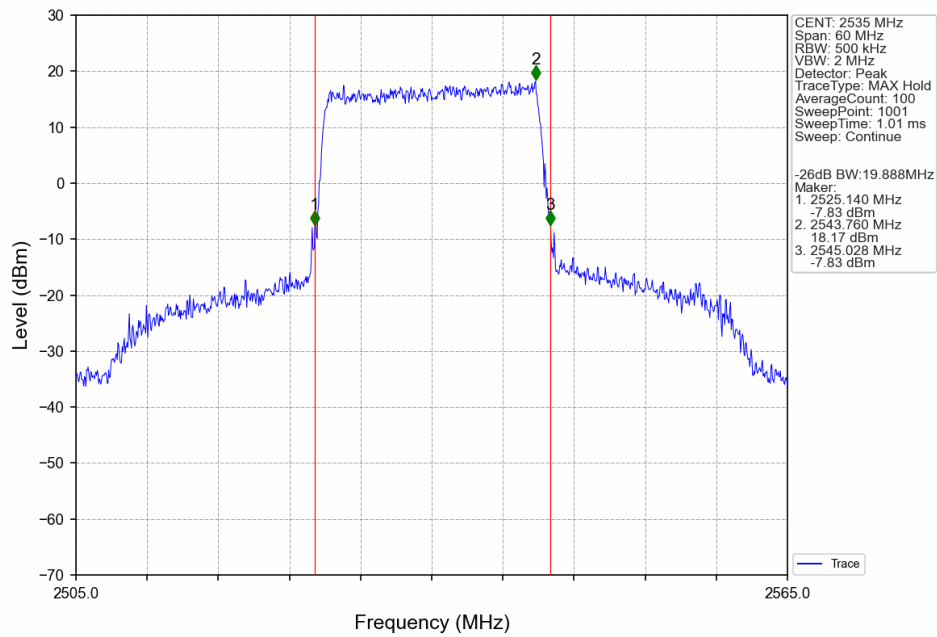
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



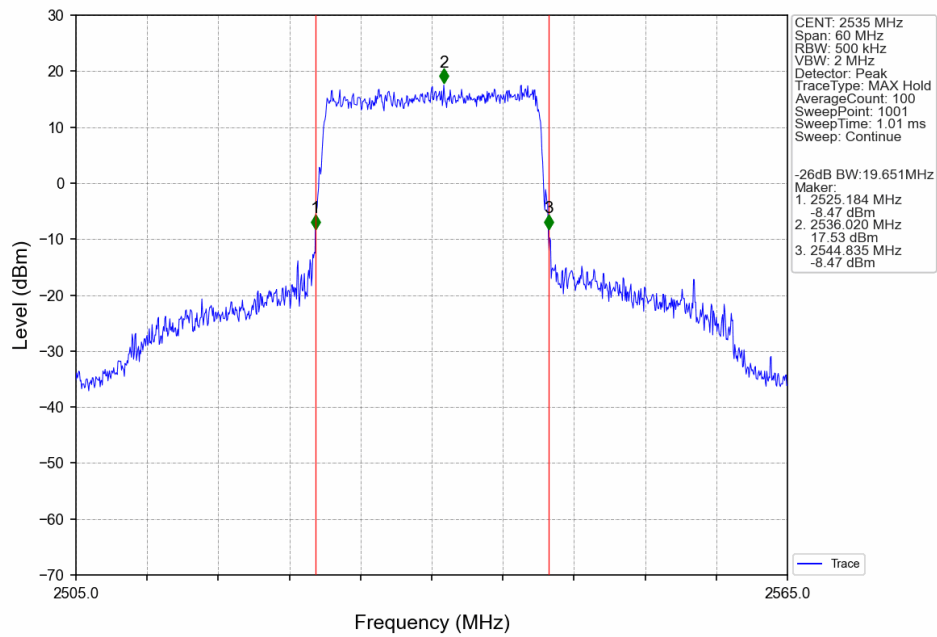
Band7_15MHz_256QAM_MCH_2535MHz_RB_75_0_NTNV



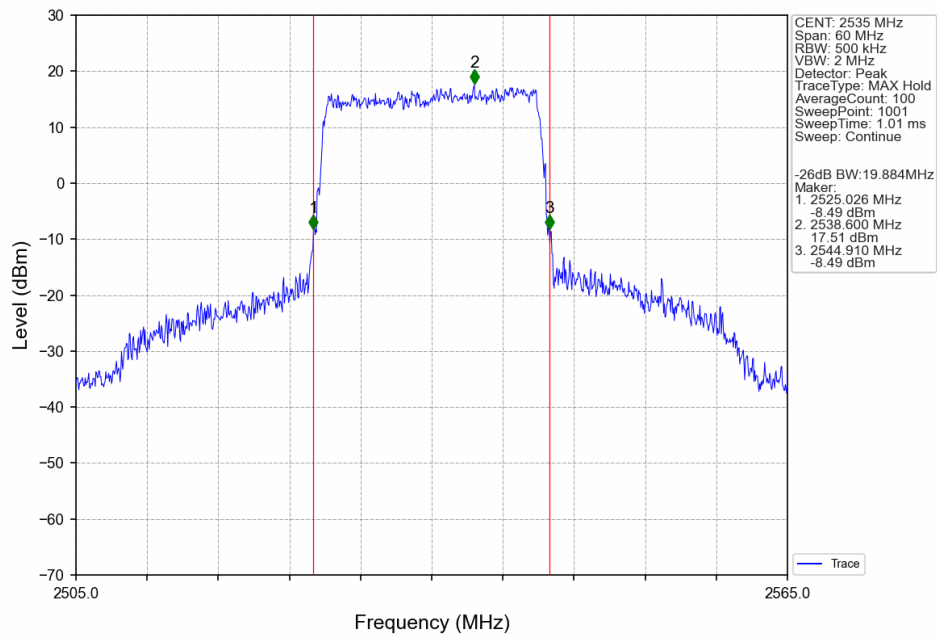
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



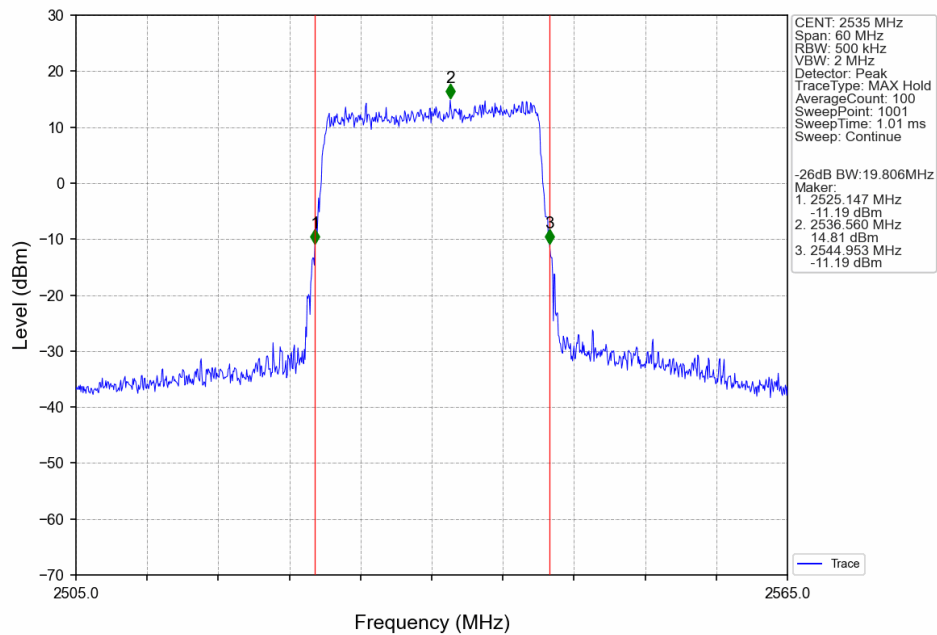
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTN



Band7 20MHz 256QAM MCH 2535MHz RB 100 0 NTN



4. Peak-Average Ratio

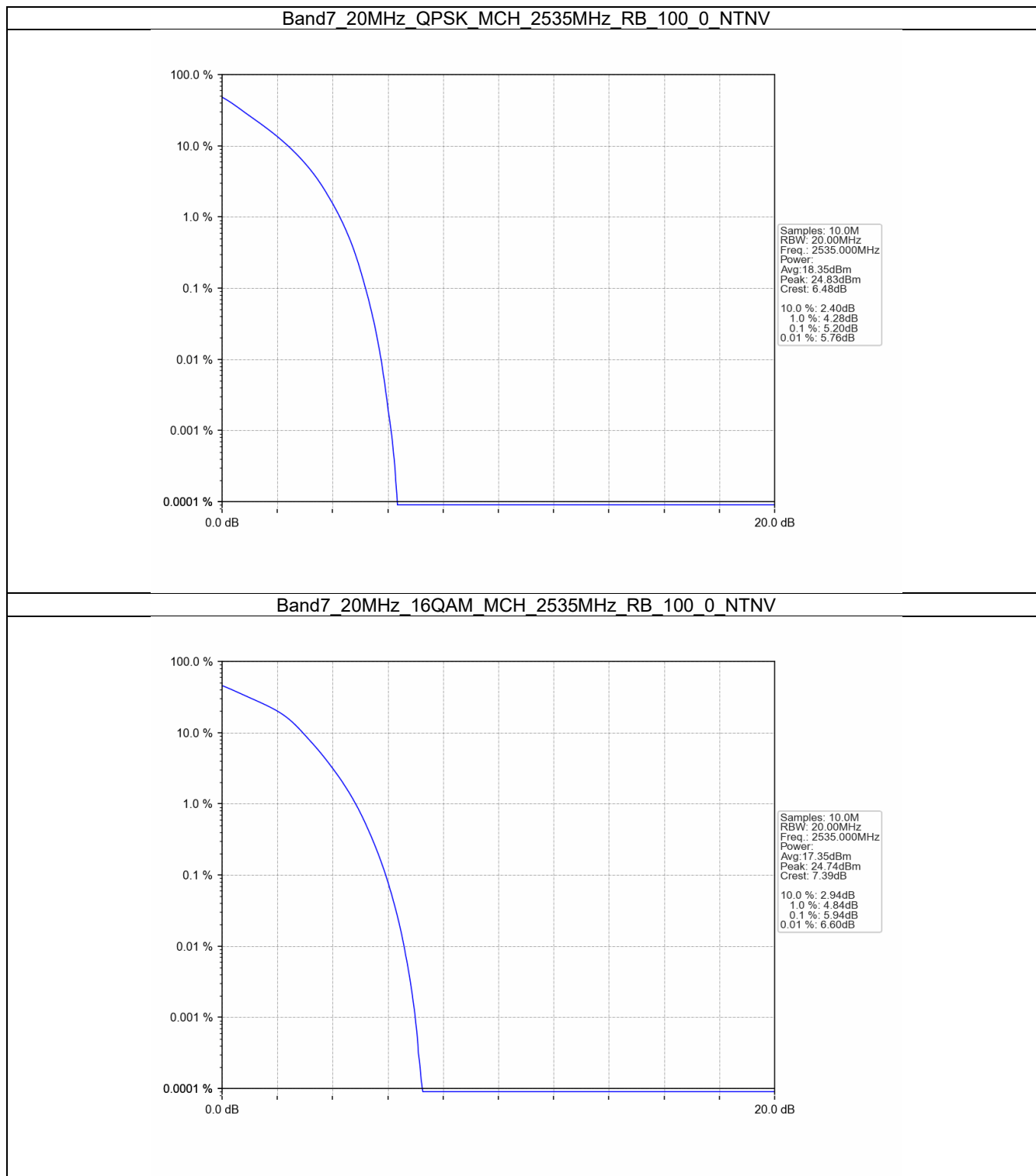
4.1 Test Result

4.1.1 B7_20MHz

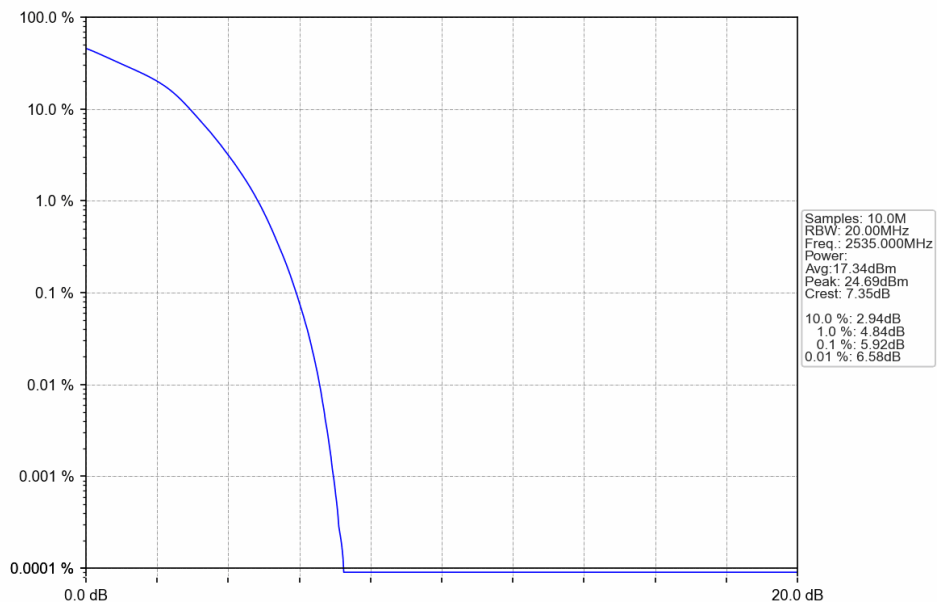
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	5.20	<=13	Pass
16QAM	2535	100	0	5.94	<=13	Pass
64QAM	2535	100	0	5.92	<=13	Pass
256QAM	2535	100	0	6.56	<=13	Pass

4.2 Test Graph

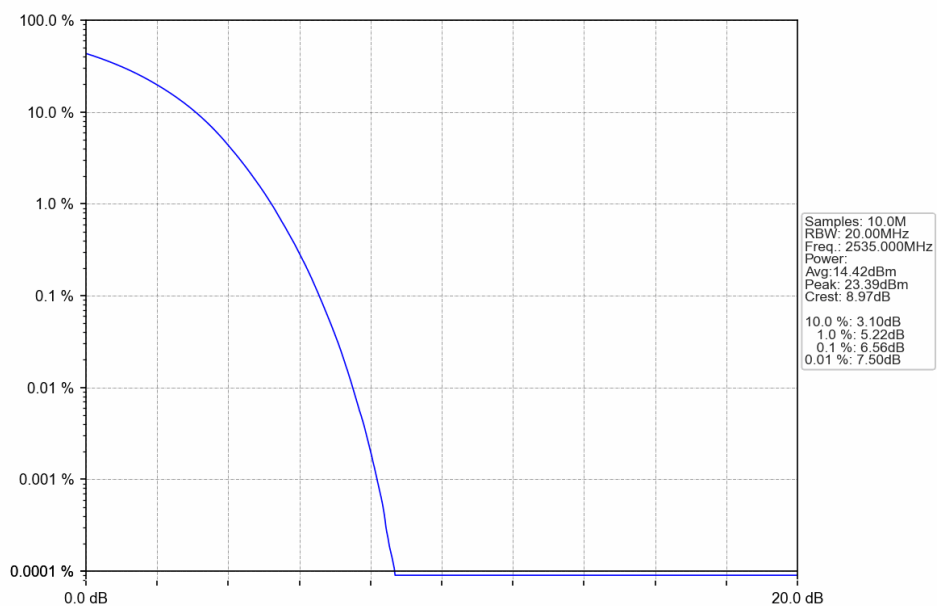
4.2.1 B7_20MHz



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_256QAM_MCH_2535MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2567.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2565	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B7_15MHz

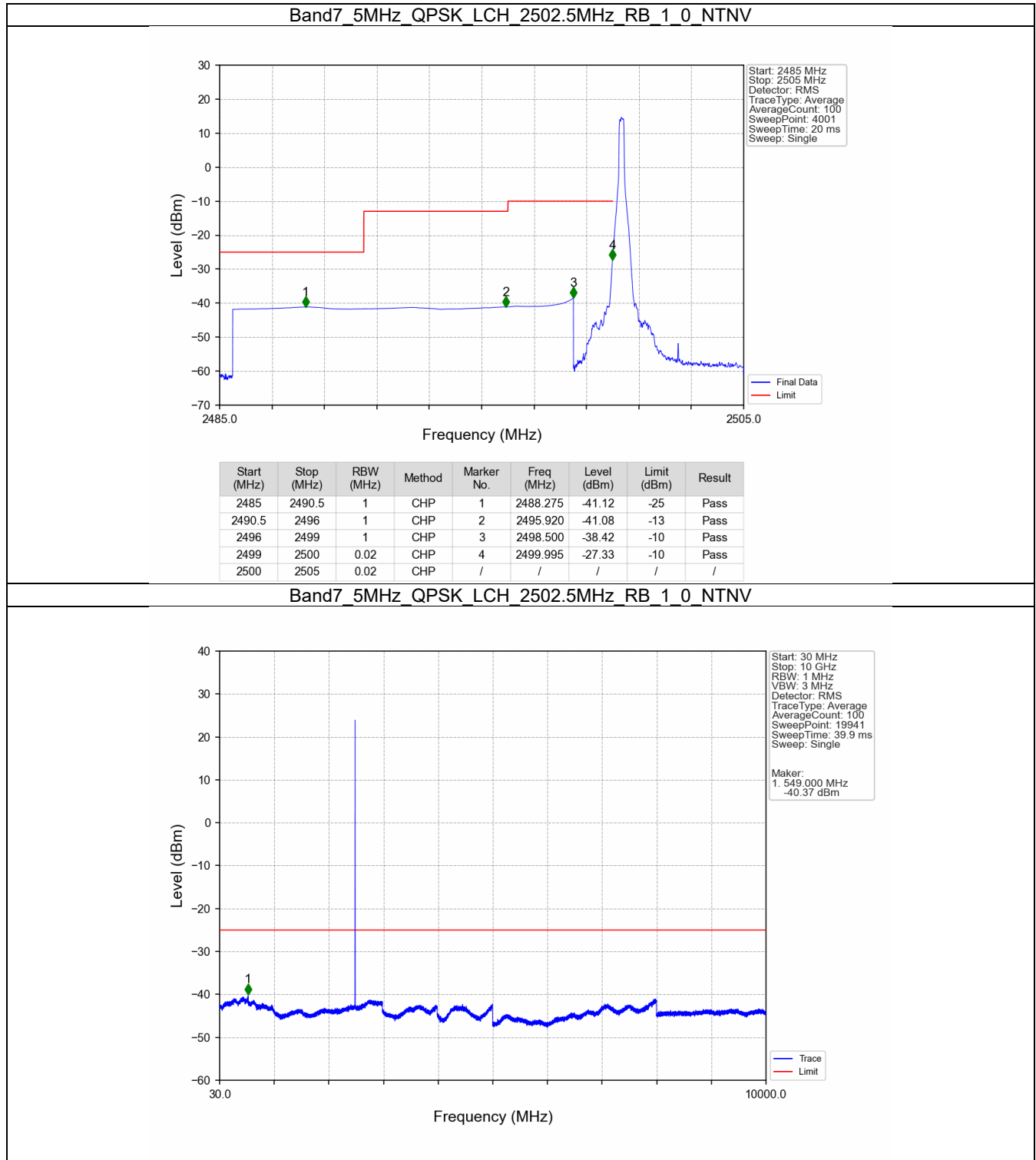
Band: 7 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B7_20MHz

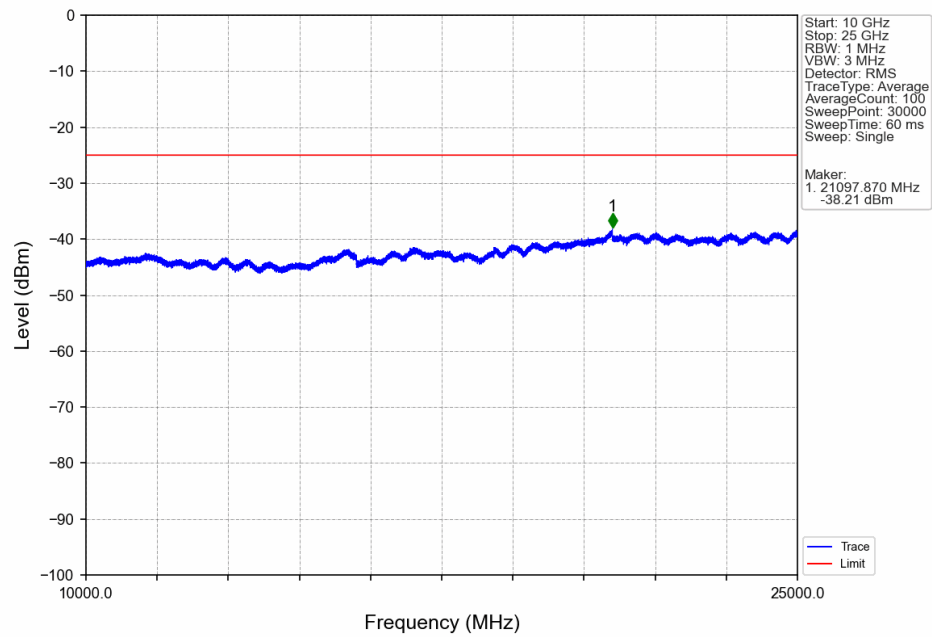
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

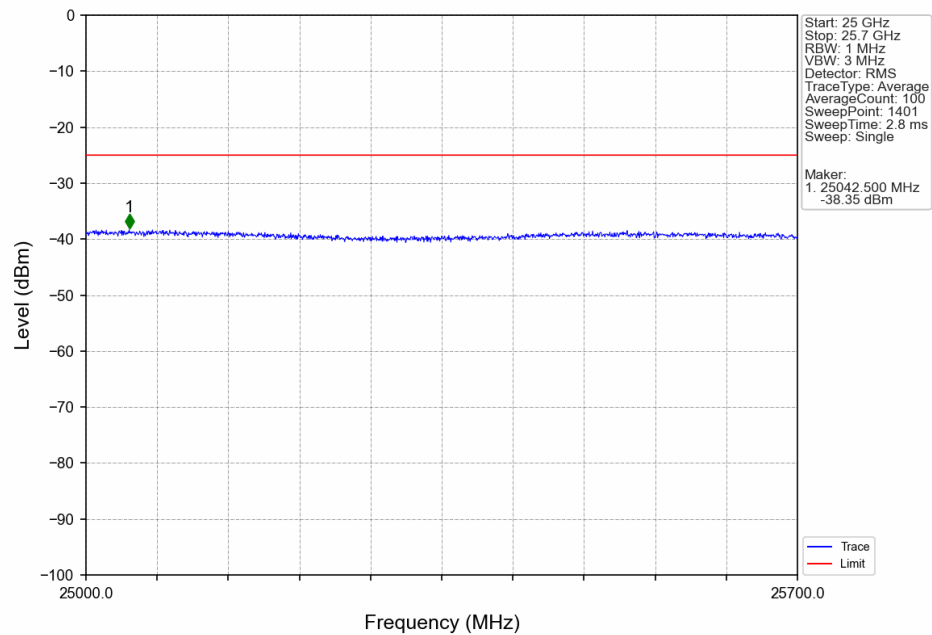
5.2.1 B7_5MHz

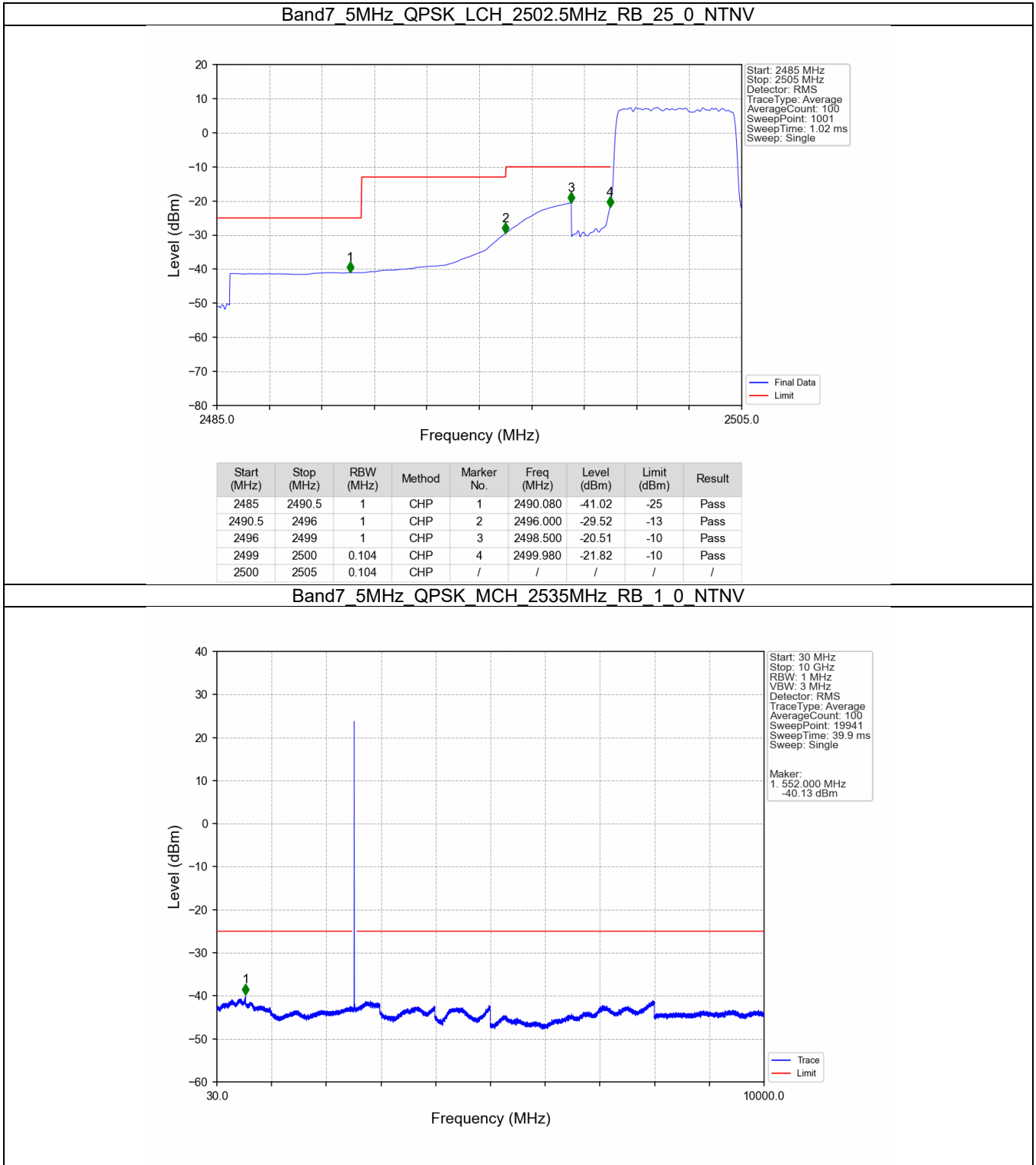


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

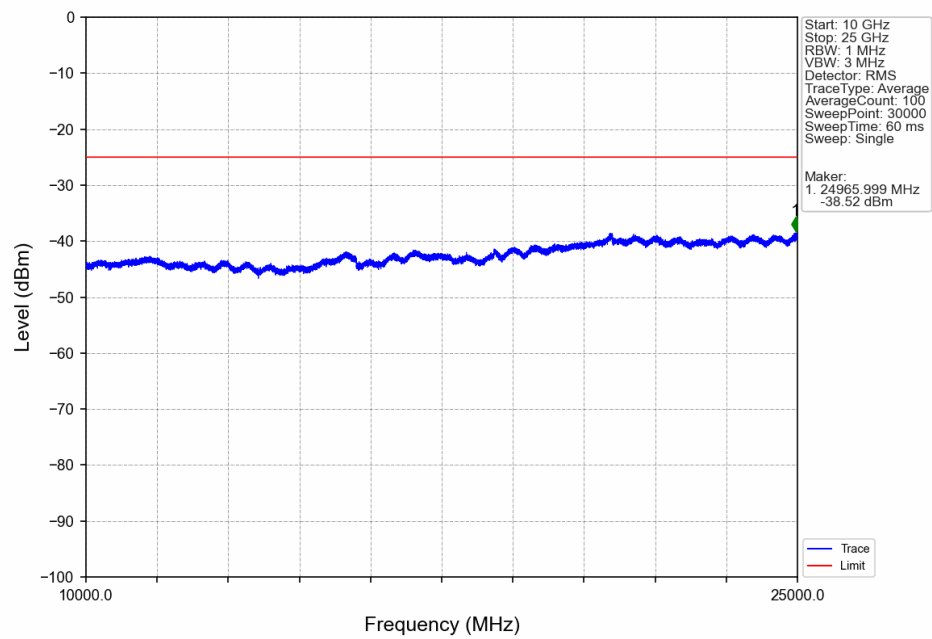


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

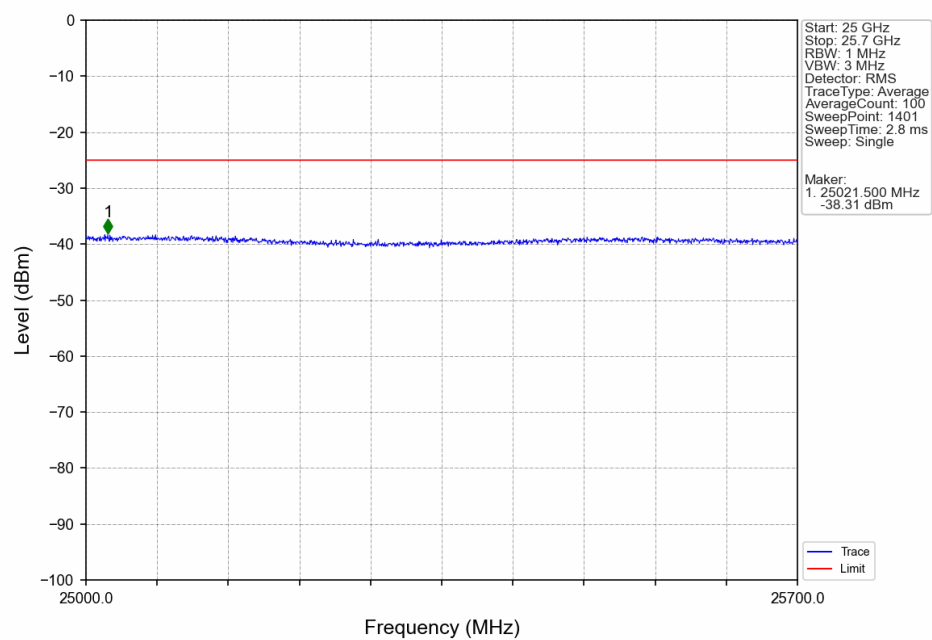




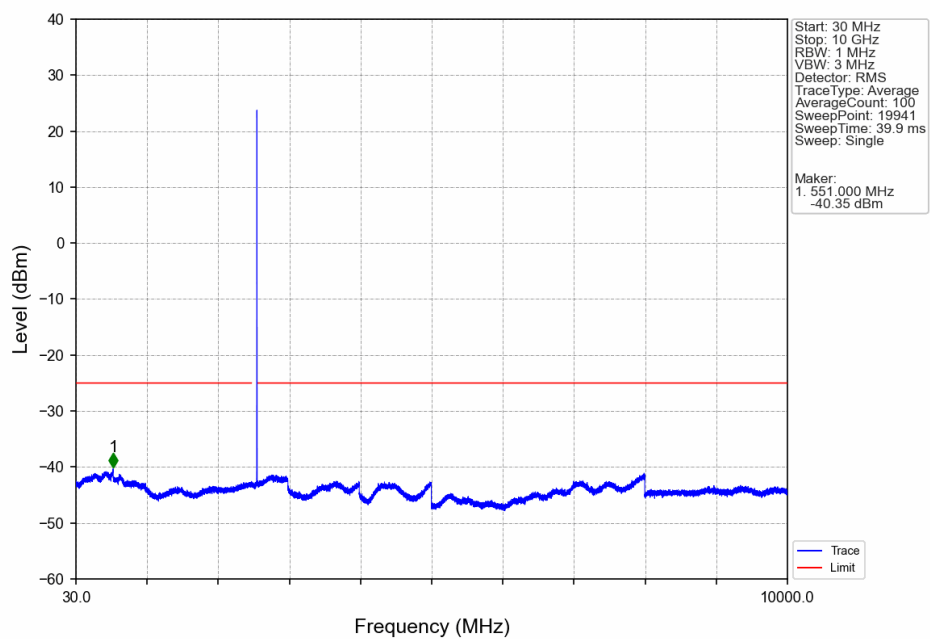
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



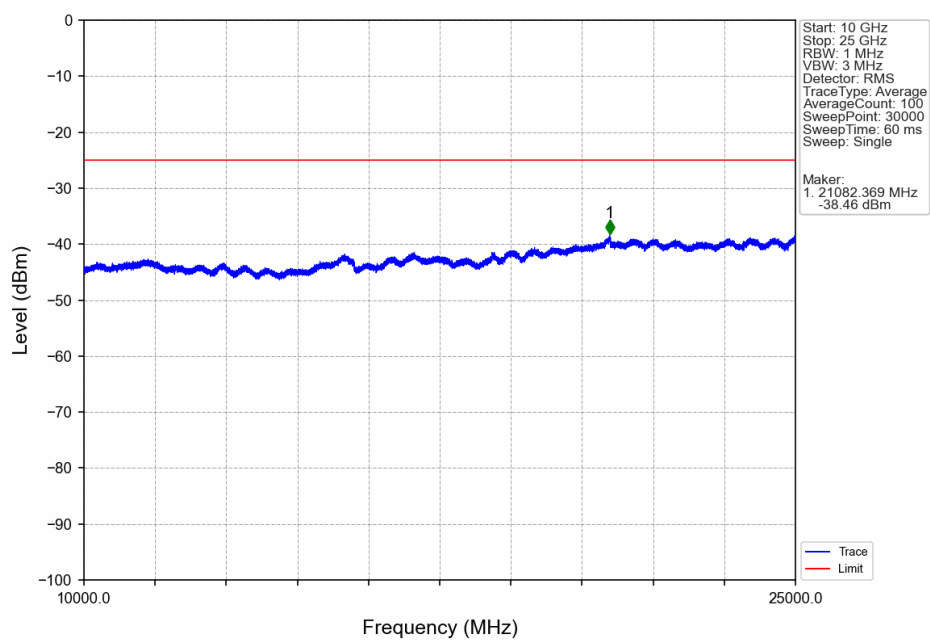
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV

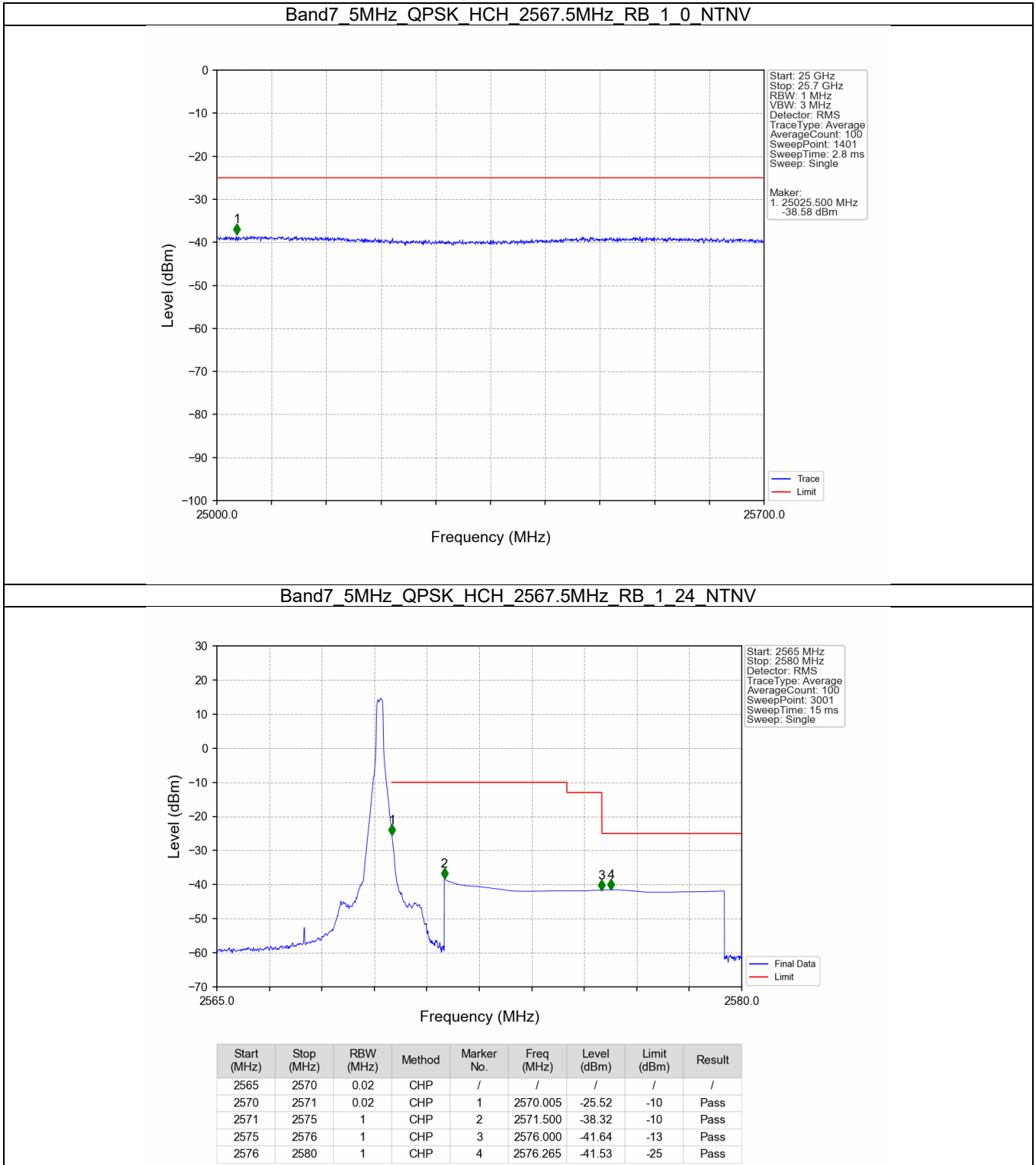


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

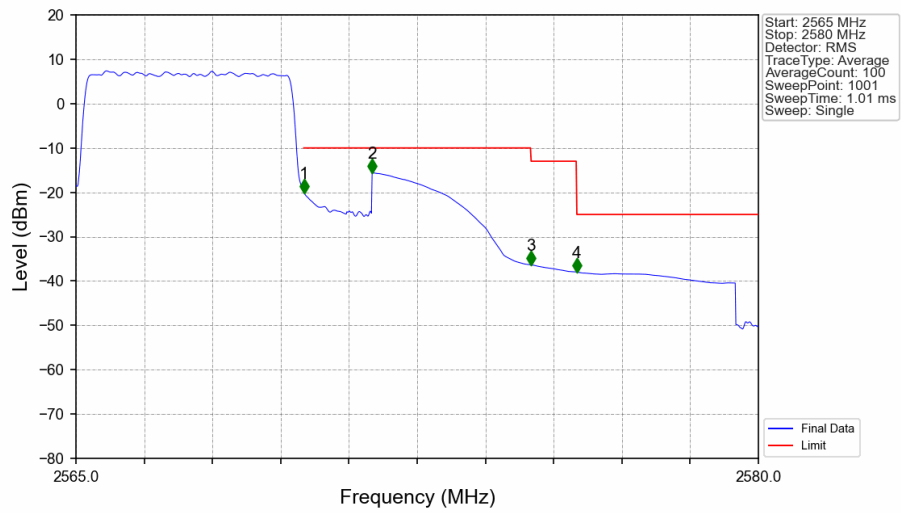


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



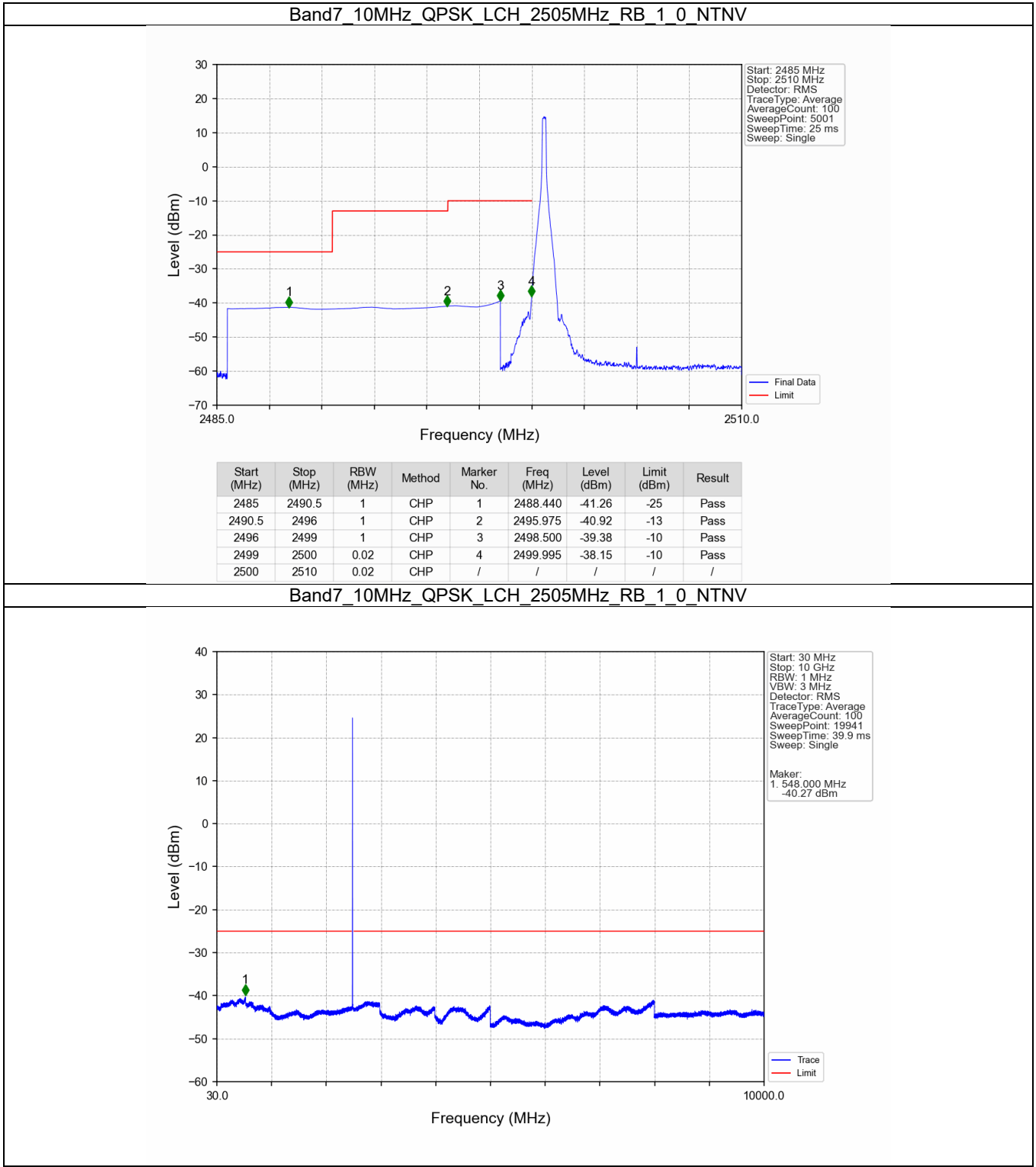


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

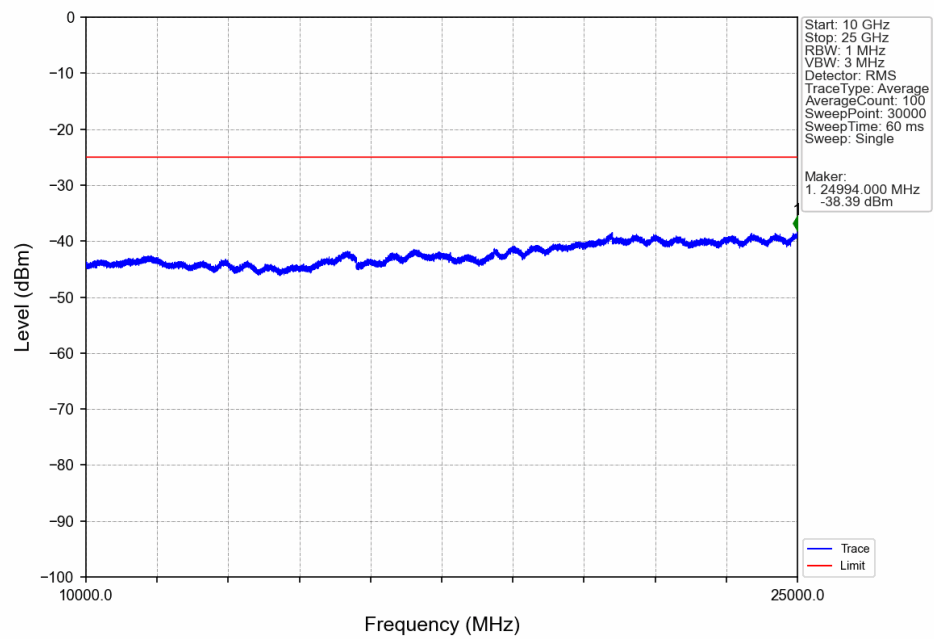


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.104	CHP	/	/	/	/	/
2570	2571	0.104	CHP	1	2570.010	-20.12	-10	Pass
2571	2575	1	CHP	2	2571.510	-15.57	-10	Pass
2575	2576	1	CHP	3	2575.005	-36.38	-13	Pass
2576	2580	1	CHP	4	2576.010	-37.98	-25	Pass

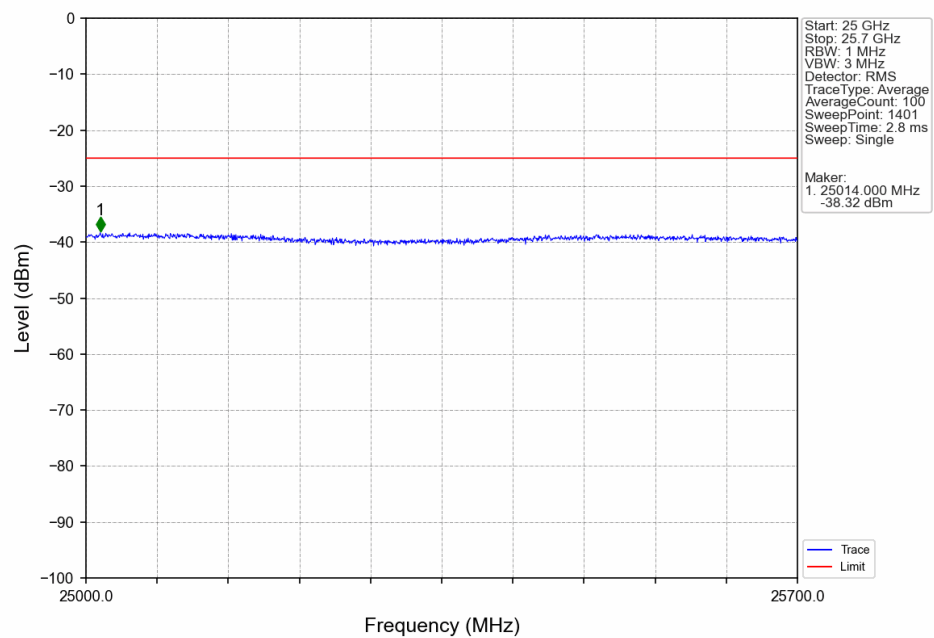
5.2.2 B7_10MHz



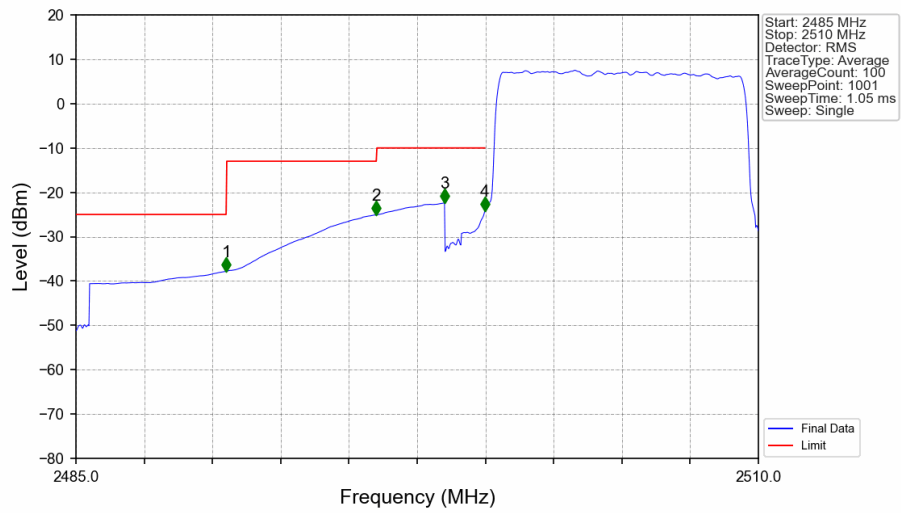
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

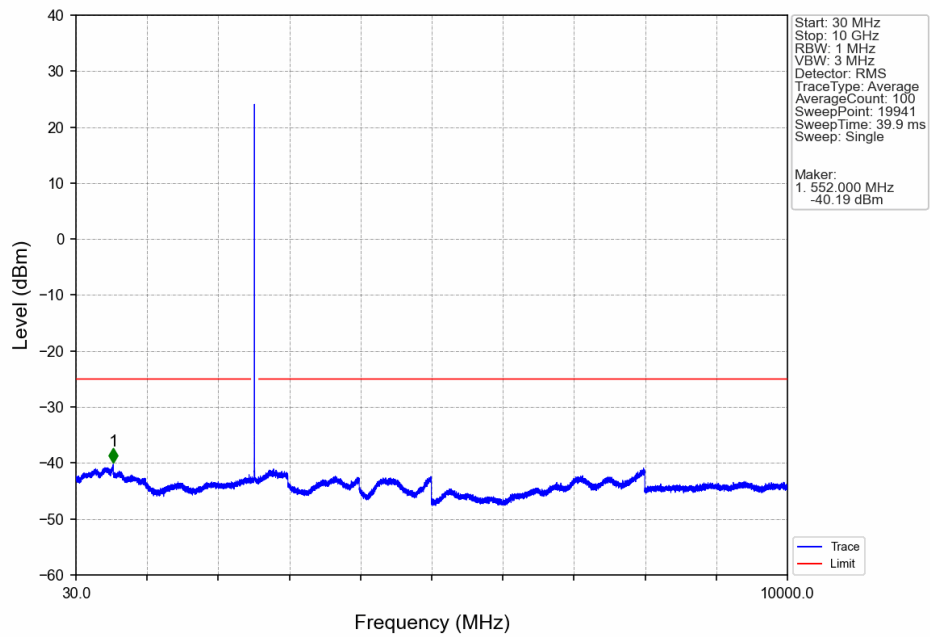


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

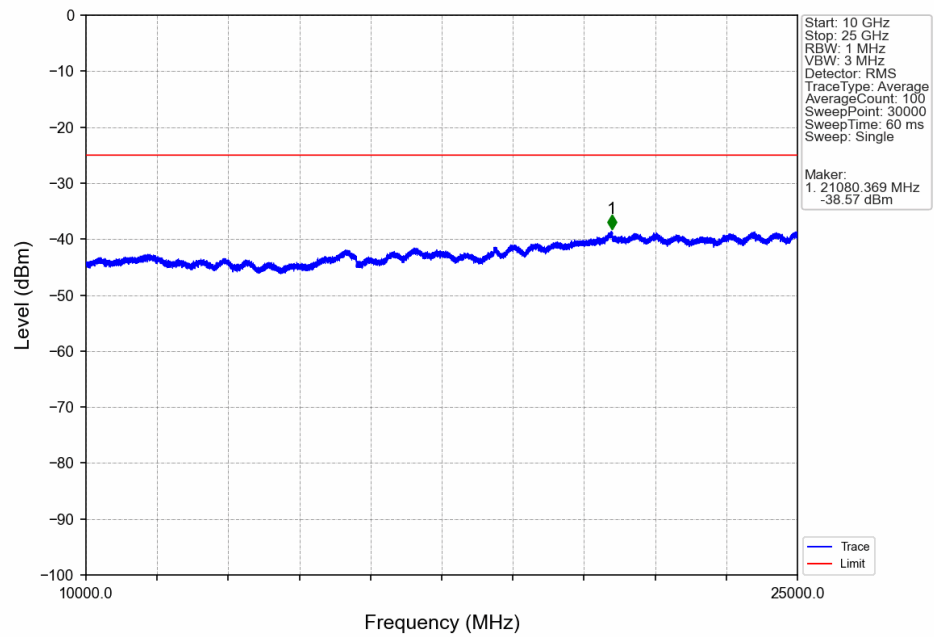


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-37.82	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-25.12	-13	Pass
2496	2499	1	CHP	3	2498.500	-22.38	-10	Pass
2499	2500	0.201	CHP	4	2499.975	-24.27	-10	Pass
2500	2510	0.201	CHP	/	/	/	/	/

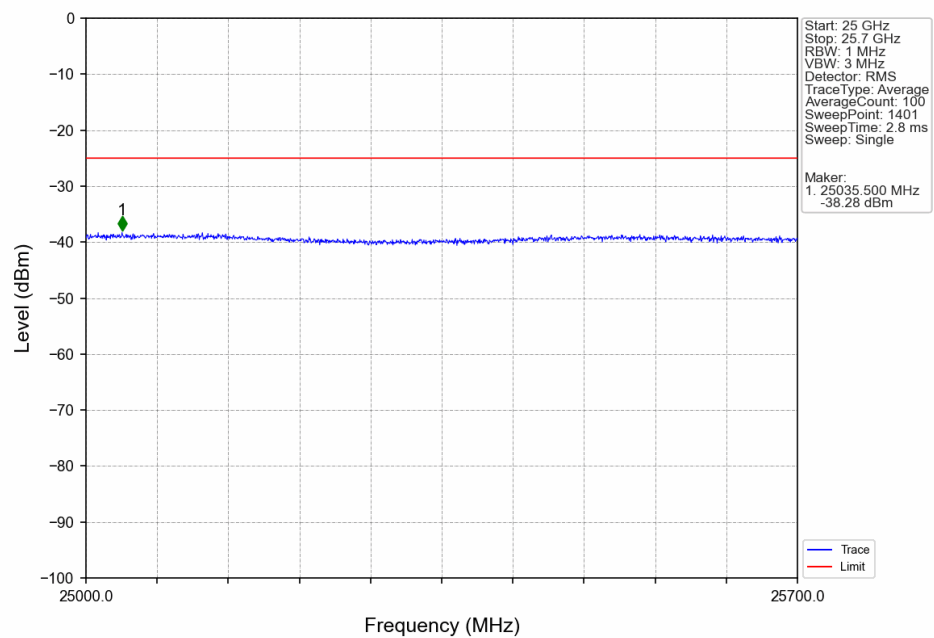
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



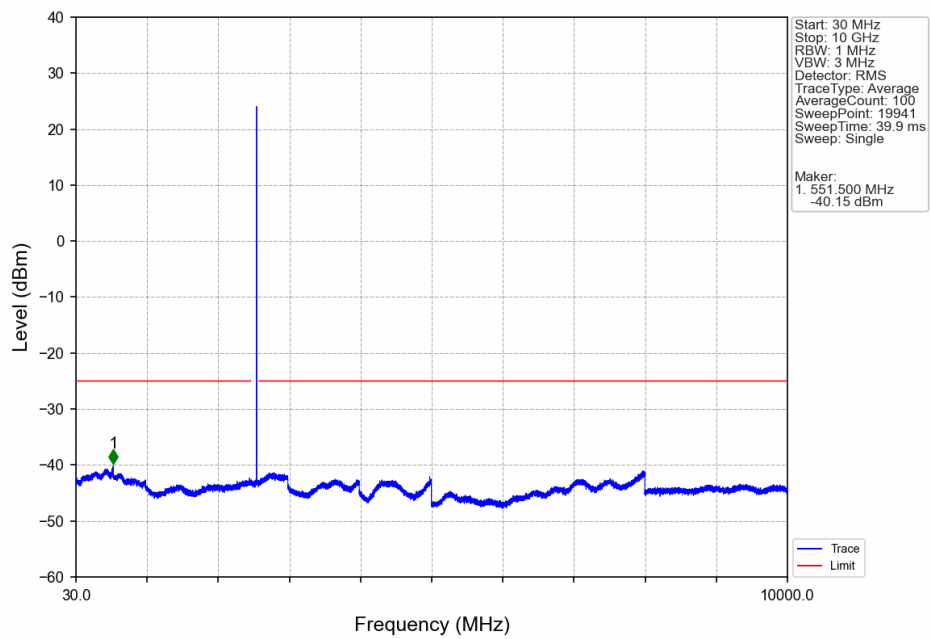
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



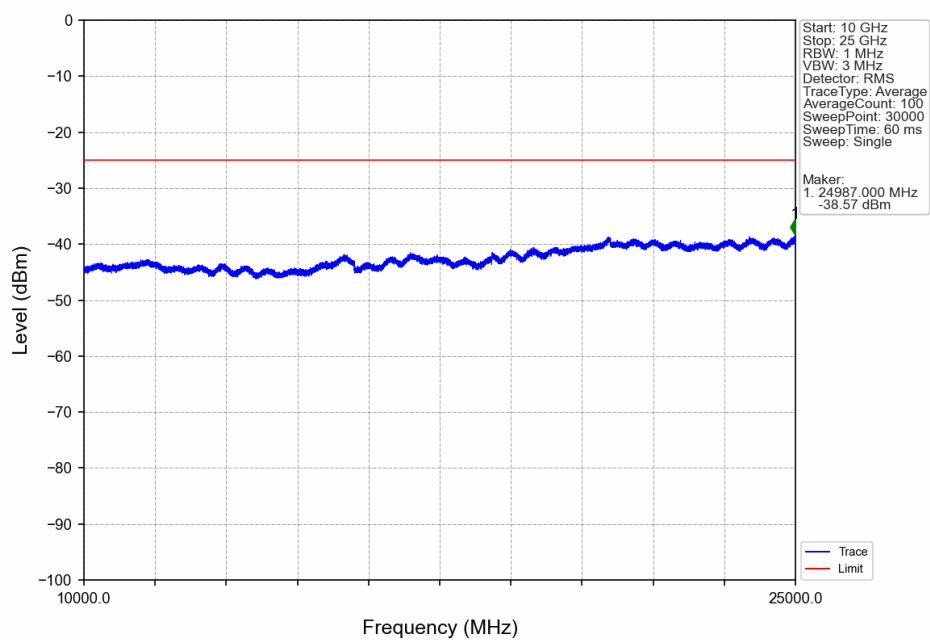
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



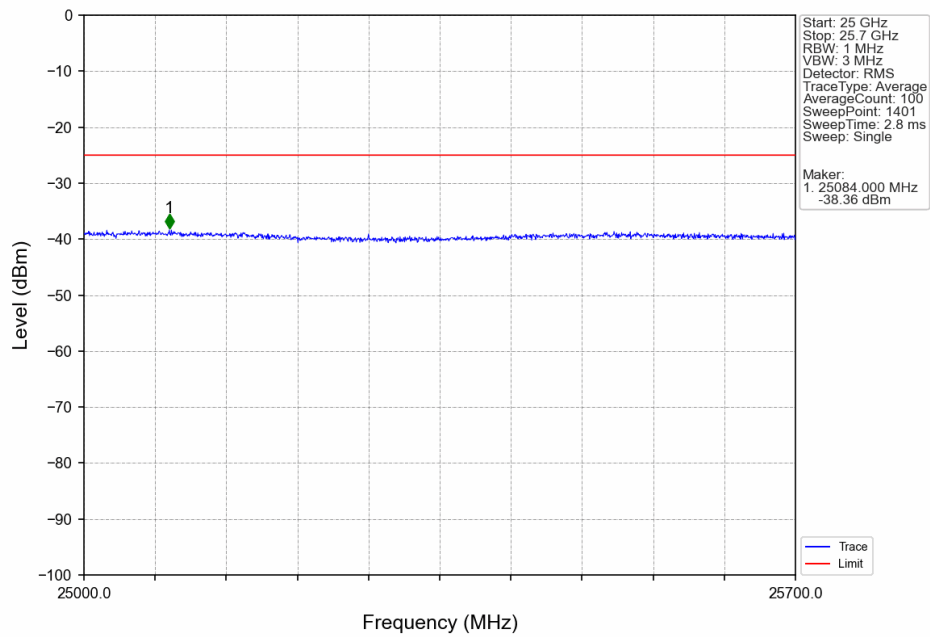
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



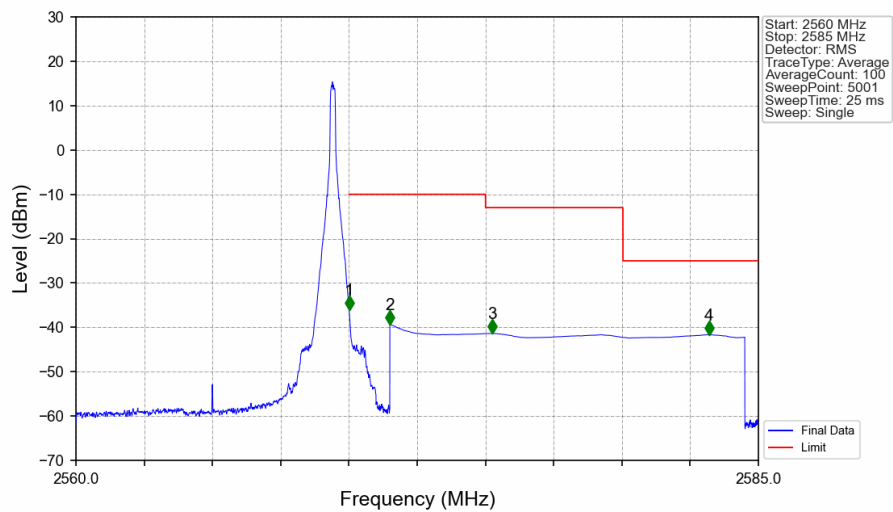
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

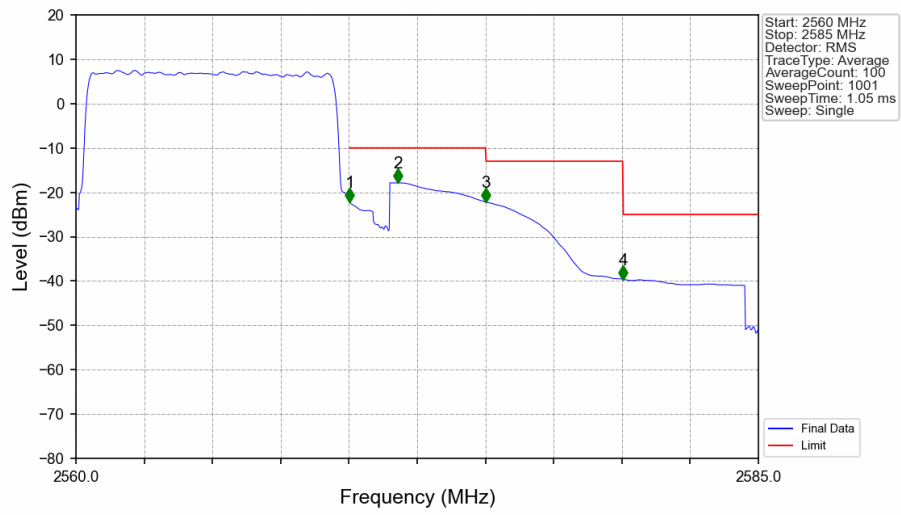


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



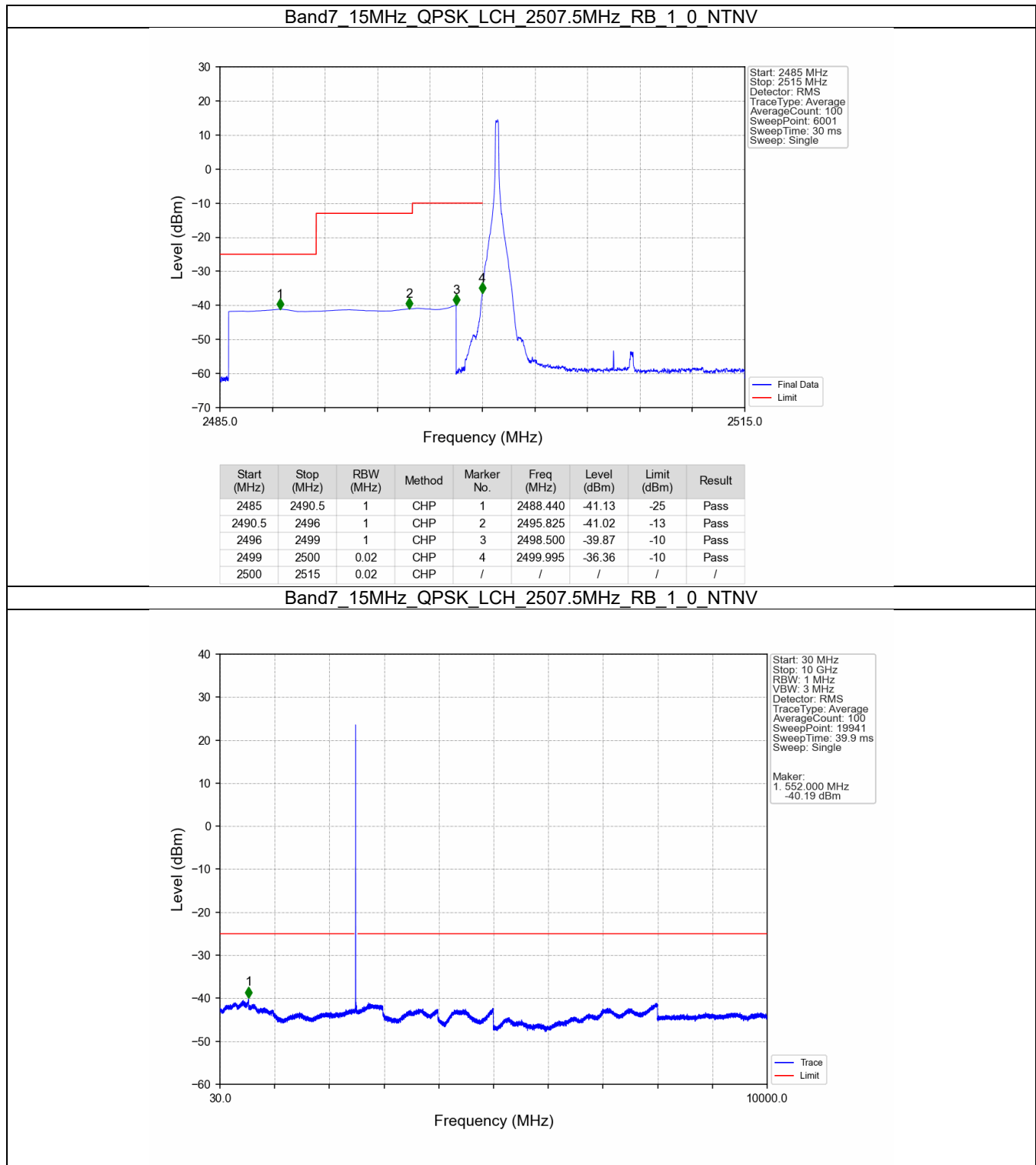
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-36.05	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.26	-10	Pass
2575	2580.037	1	CHP	3	2575.240	-41.38	-13	Pass
2580.037	2585	1	CHP	4	2583.195	-41.66	-25	Pass

Band7 10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV

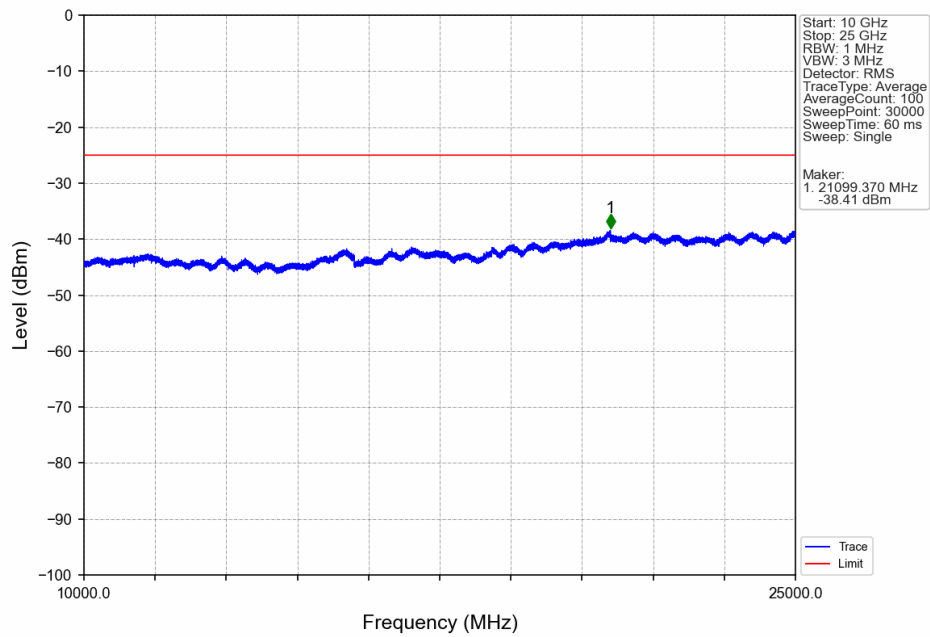


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.201	CHP	/	/	/	/	/
2570	2571	0.201	CHP	1	2570.025	-22.13	-10	Pass
2571	2575	1	CHP	2	2571.800	-17.86	-10	Pass
2575	2580.037	1	CHP	3	2575.025	-22.26	-13	Pass
2580.037	2585	1	CHP	4	2580.050	-39.61	-25	Pass

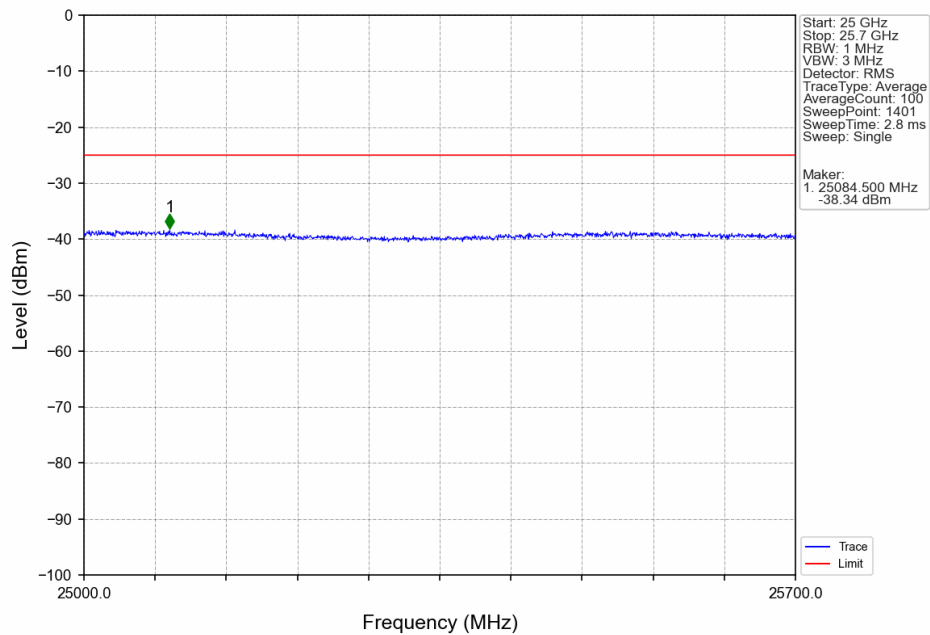
5.2.3 B7_15MHz



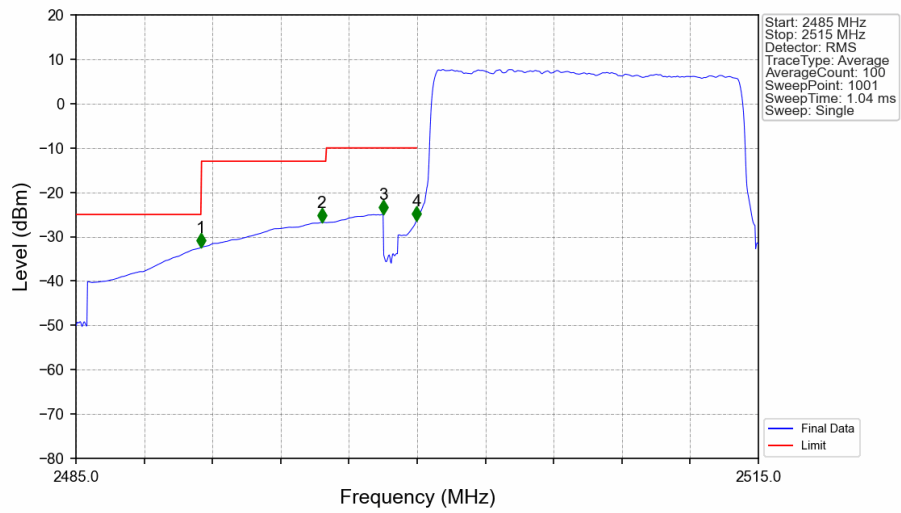
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

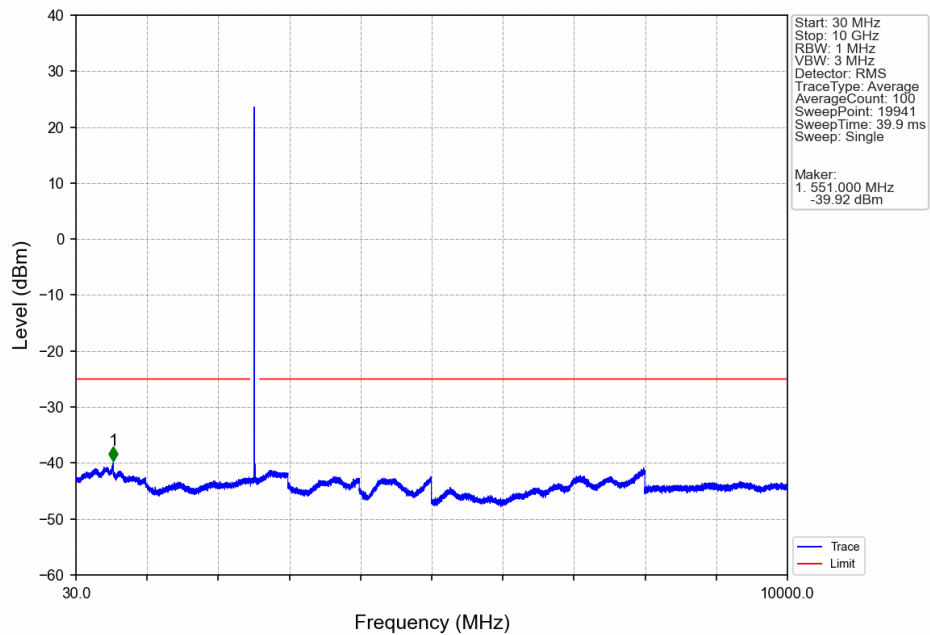


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

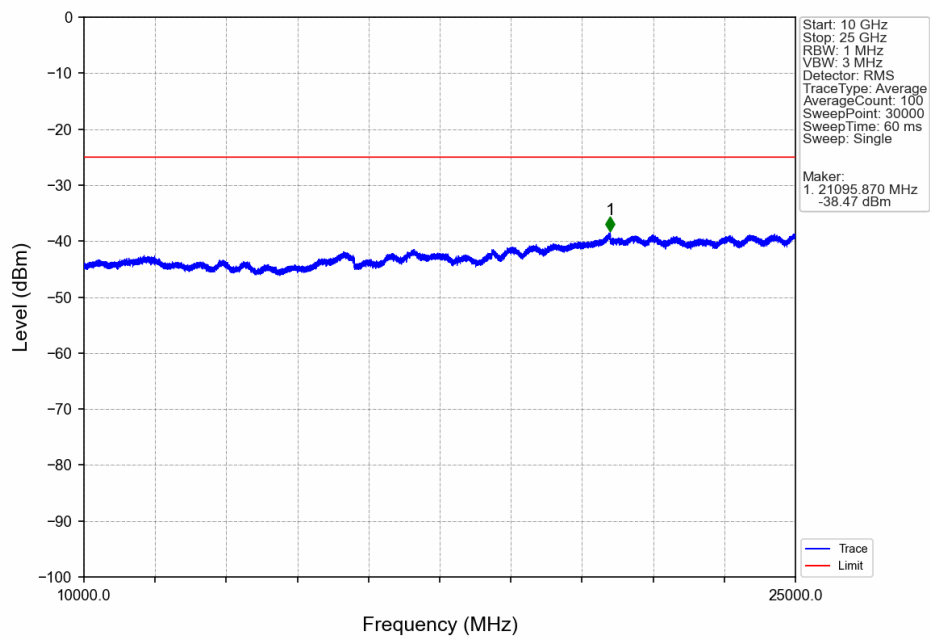


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-32.47	-25	Pass
2490.5	2496	1	CHP	2	2495.800	-26.78	-13	Pass
2496	2499	1	CHP	3	2498.500	-24.96	-10	Pass
2499	2500	0.299	CHP	4	2499.970	-26.35	-10	Pass
2500	2515	0.299	CHP	/	/	/	/	/

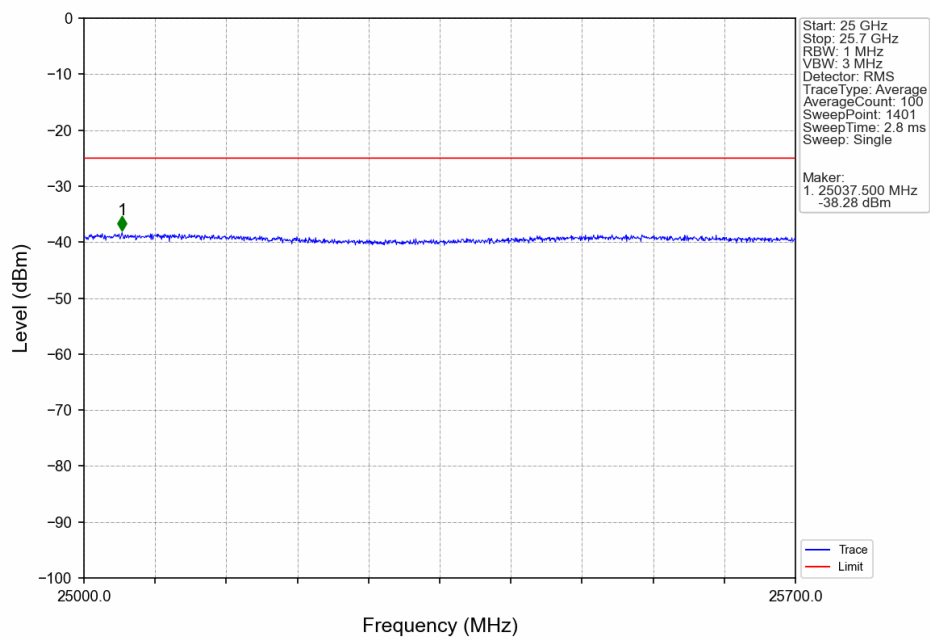
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



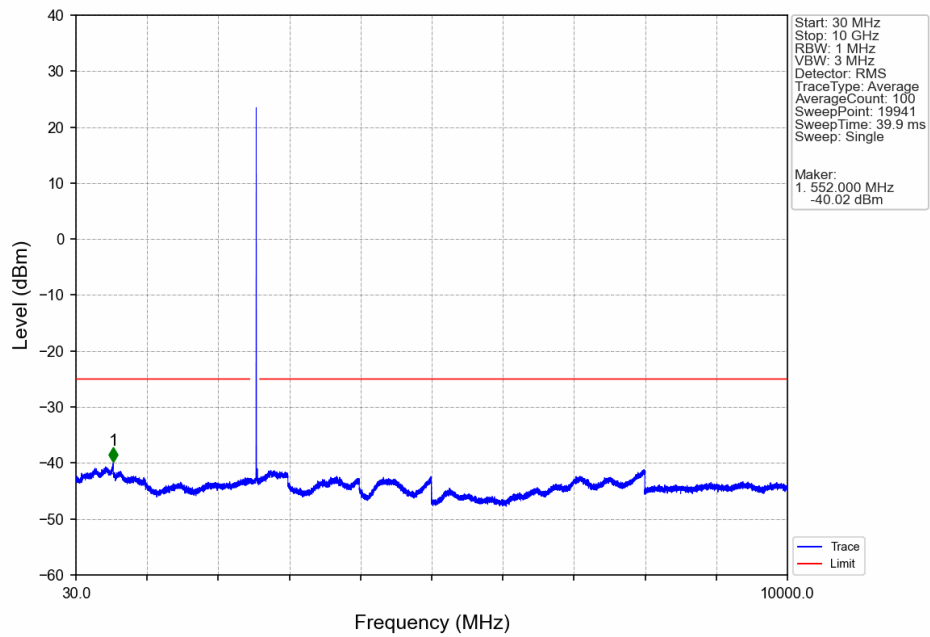
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



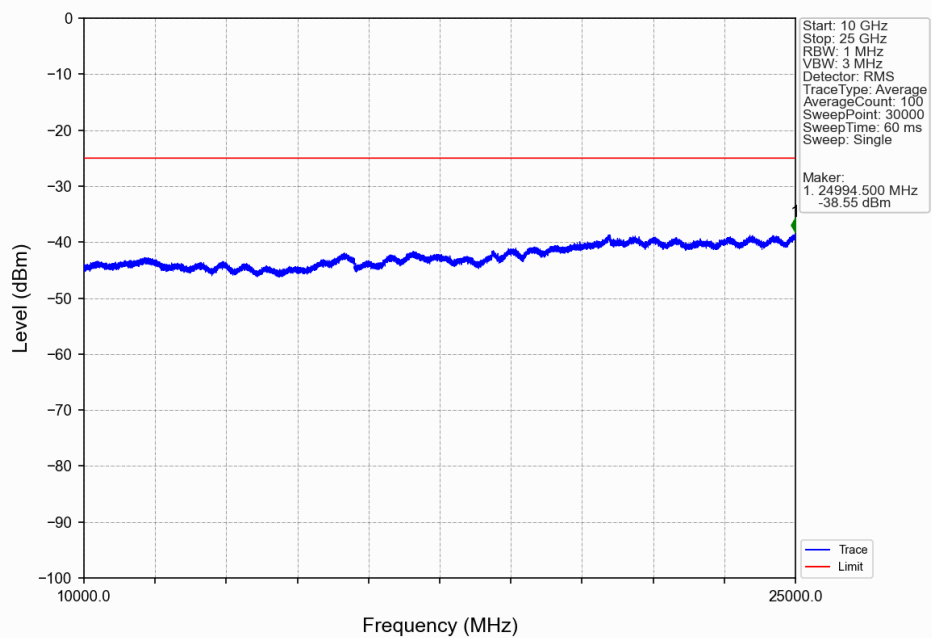
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



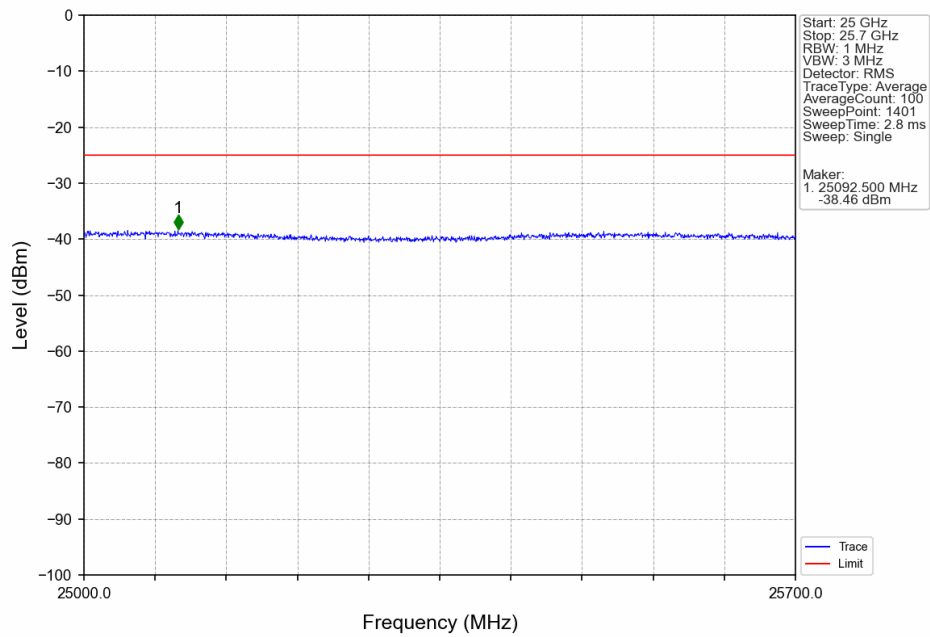
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



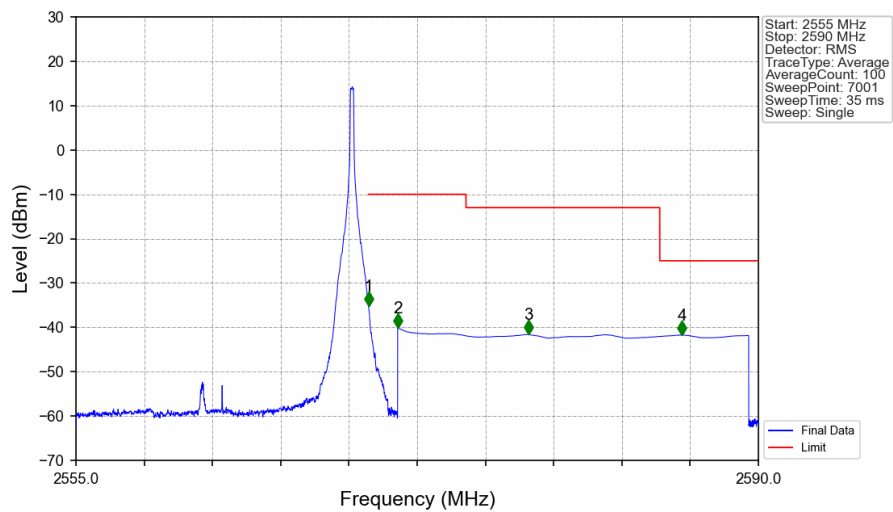
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



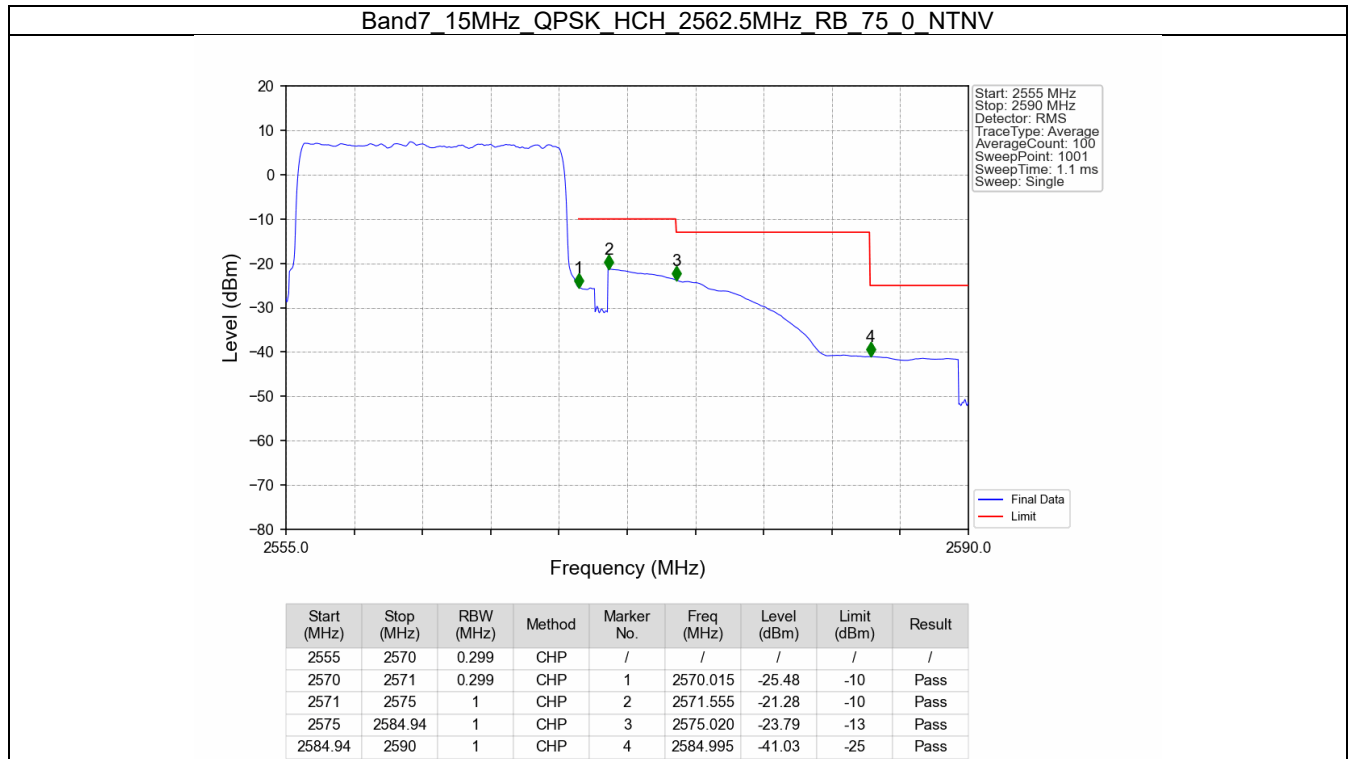
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV

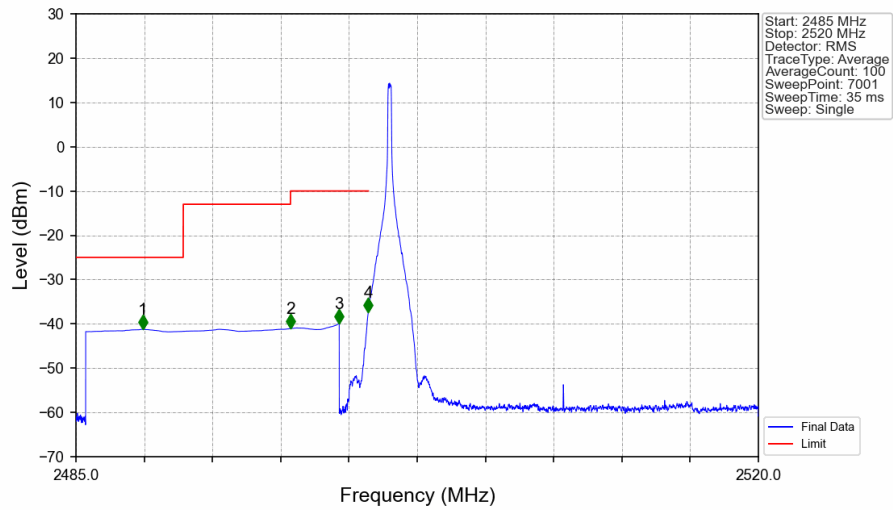


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-35.21	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.14	-10	Pass
2575	2584.94	1	CHP	3	2578.190	-41.59	-13	Pass
2584.94	2590	1	CHP	4	2586.075	-41.71	-25	Pass



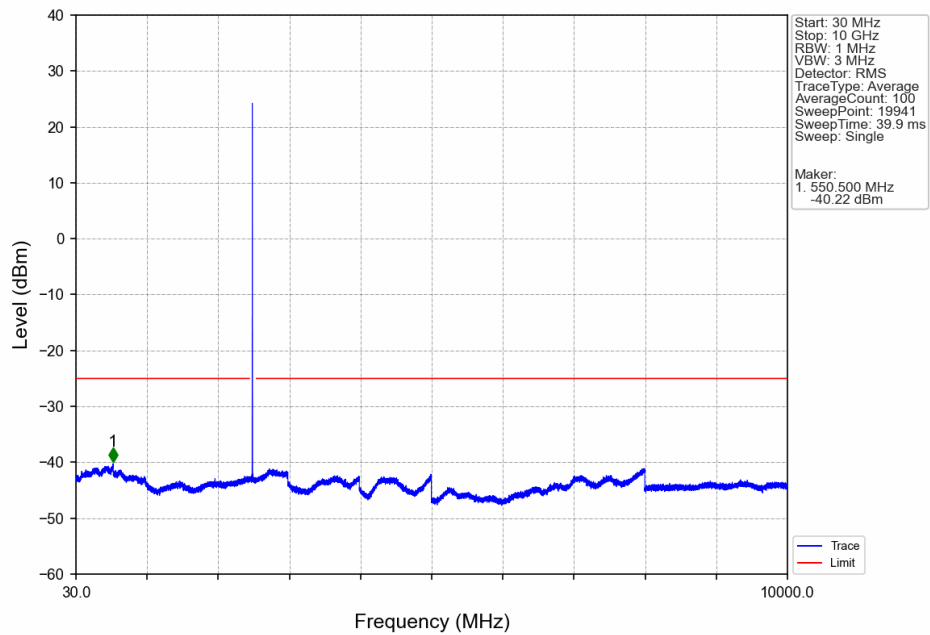
5.2.4 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

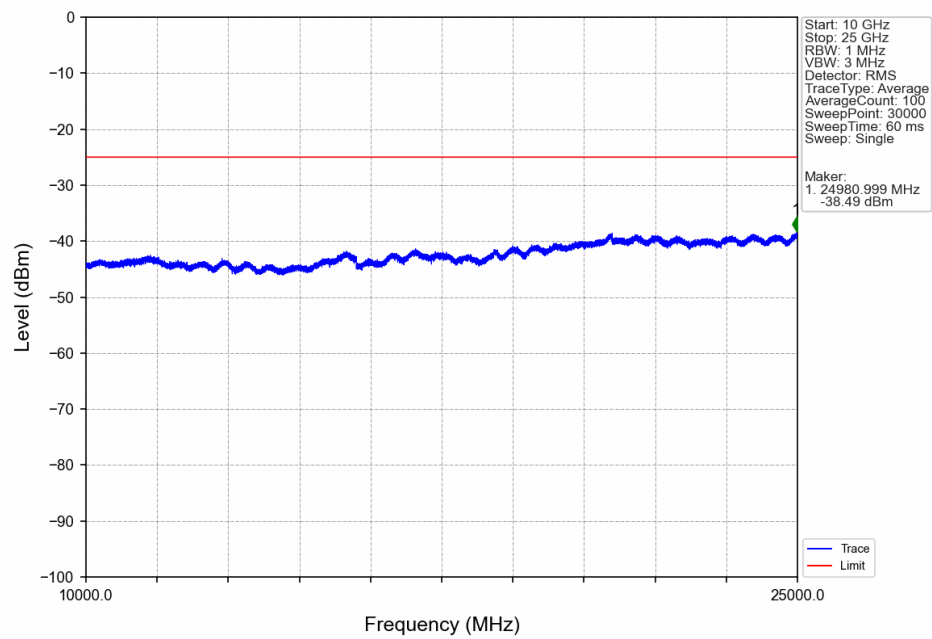


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.430	-41.20	-25	Pass
2490.5	2496	1	CHP	2	2495.995	-41.06	-13	Pass
2496	2499	1	CHP	3	2498.500	-39.81	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-37.36	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

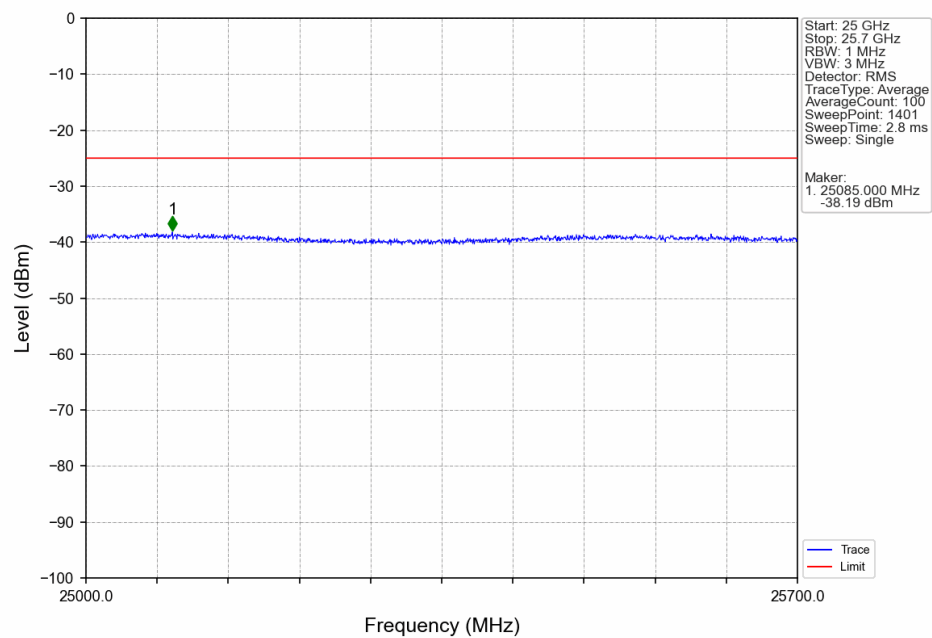
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



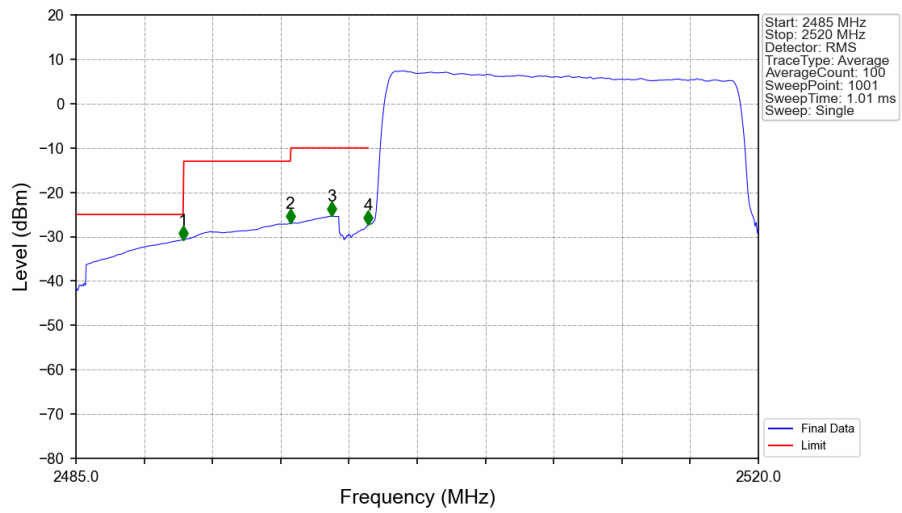
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

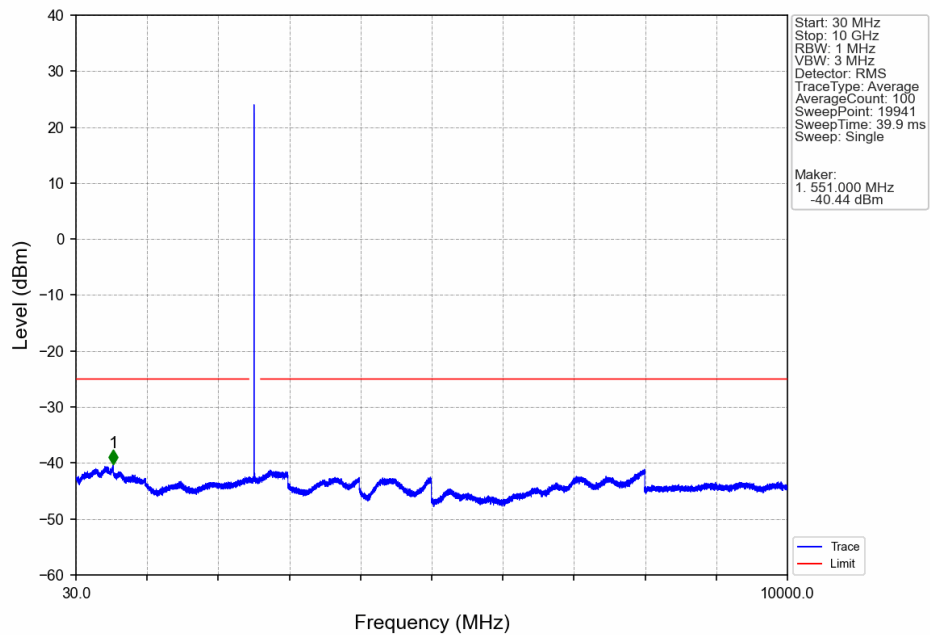


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

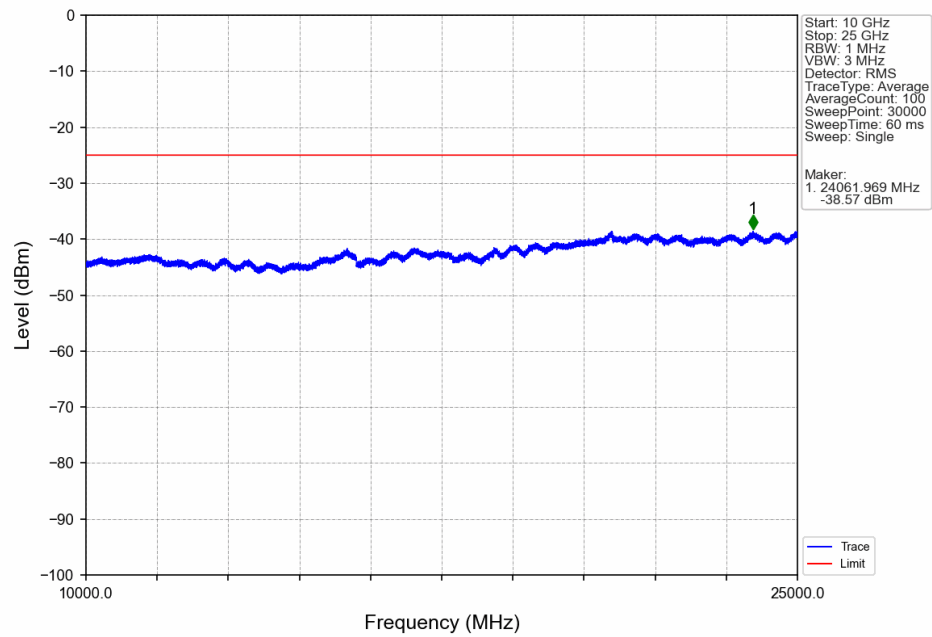


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-30.68	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-27.01	-13	Pass
2496	2499	1	CHP	3	2498.125	-25.38	-10	Pass
2499	2500	0.398	CHP	4	2499.980	-27.34	-10	Pass
2500	2520	0.398	CHP	/	/	/	/	/

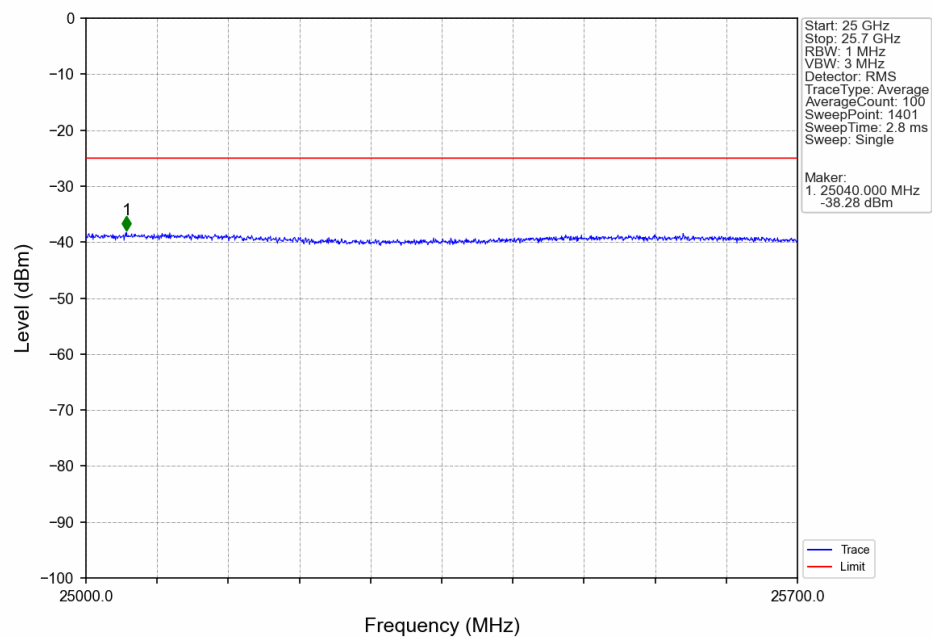
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



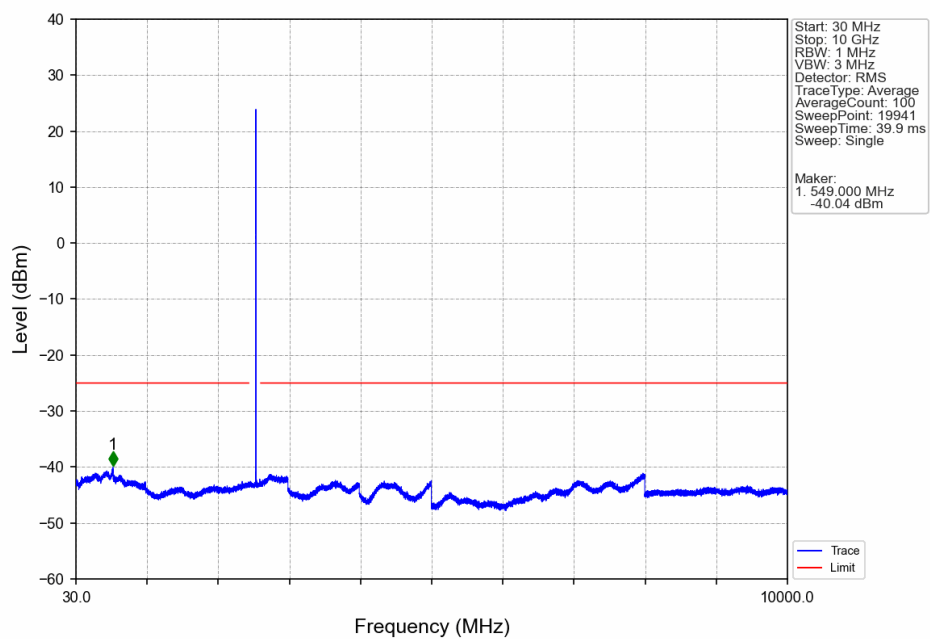
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



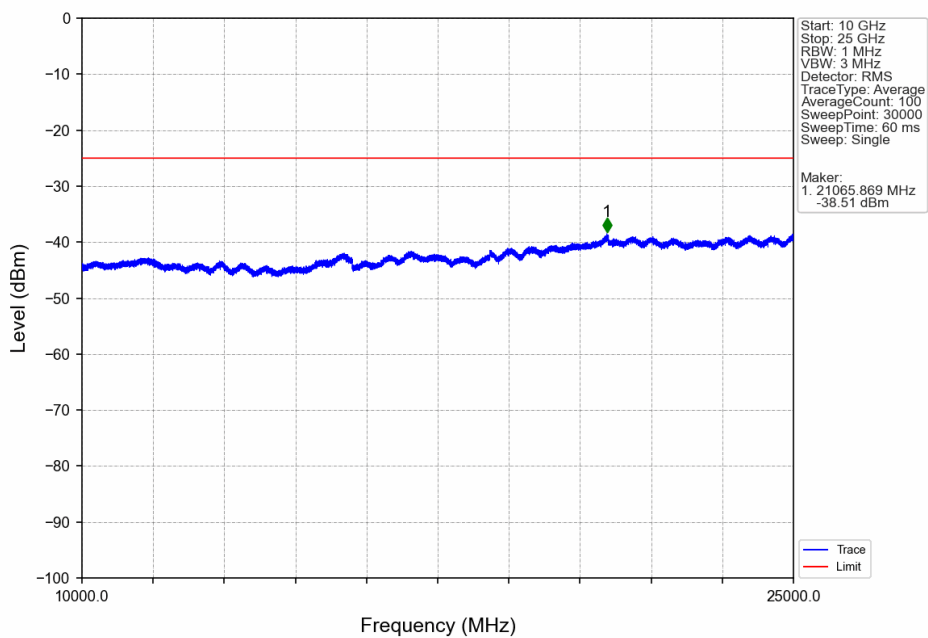
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



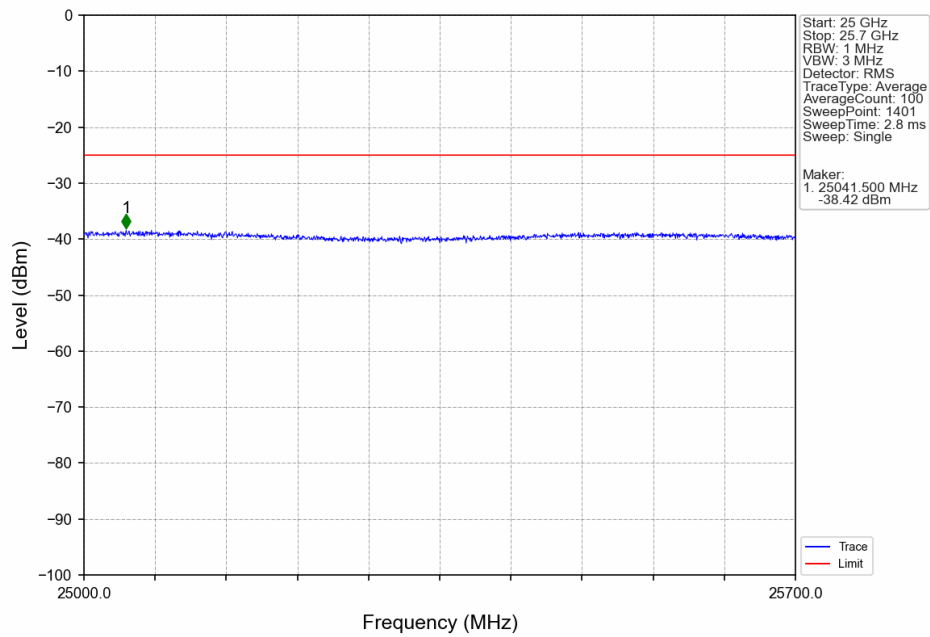
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



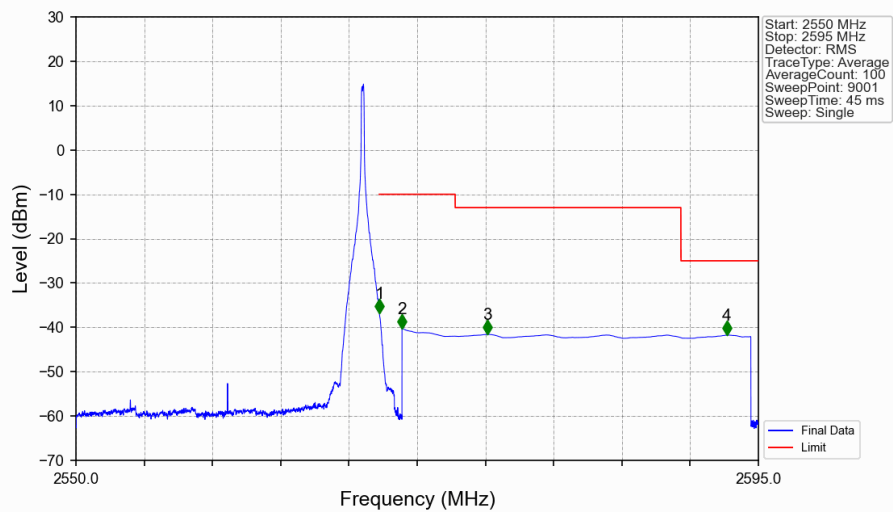
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



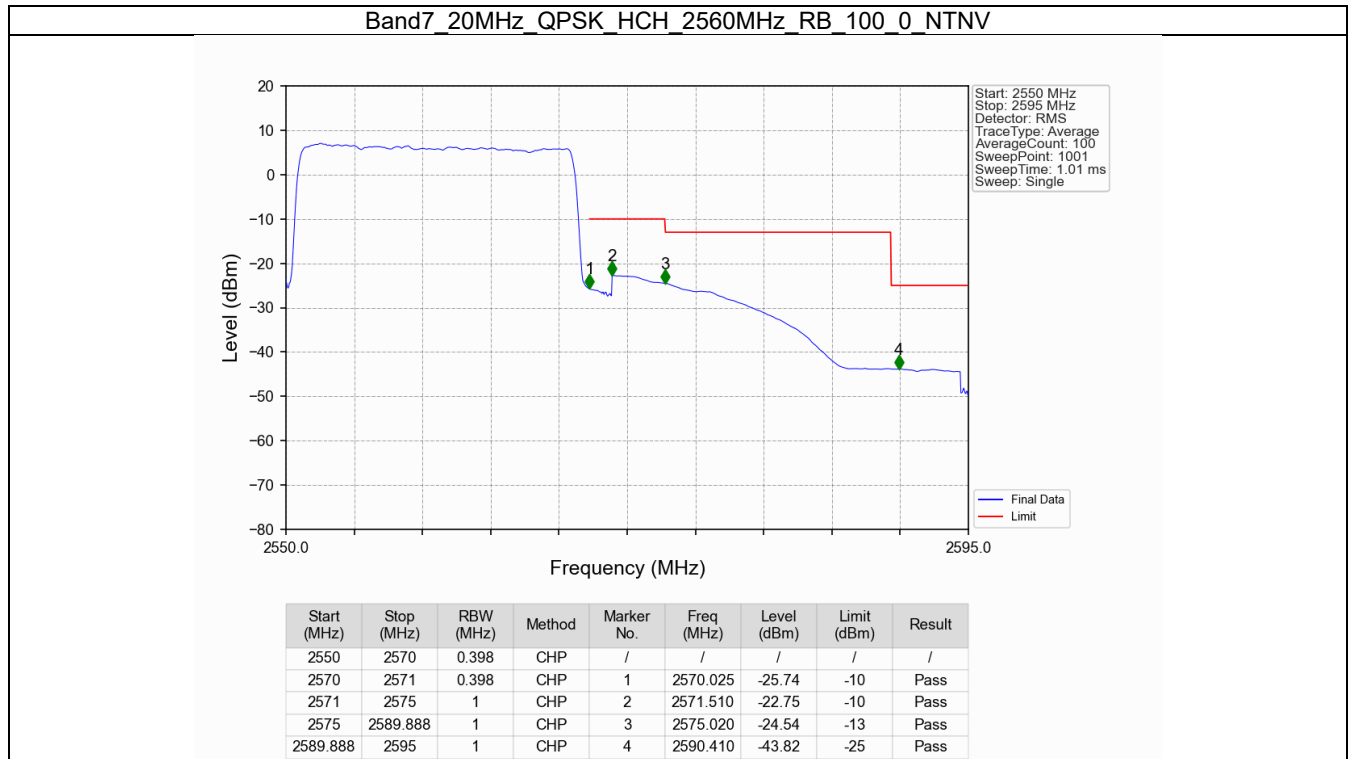
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-36.75	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.17	-10	Pass
2575	2589.888	1	CHP	3	2577.125	-41.57	-13	Pass
2589.888	2595	1	CHP	4	2592.915	-41.73	-25	Pass



- End of the Appendix -