

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	23.29	-1.55	21.74	<=33.01	Pass
			13	23.36	-1.55	21.81	<=33.01	Pass
			24	23.44	-1.55	21.89	<=33.01	Pass
		12	0	22.29	-1.55	20.74	<=33.01	Pass
			6	22.29	-1.55	20.74	<=33.01	Pass
			13	22.33	-1.55	20.78	<=33.01	Pass
		25	0	22.35	-1.55	20.80	<=33.01	Pass
	2535	1	0	23.64	-1.55	22.09	<=33.01	Pass
			13	23.57	-1.55	22.02	<=33.01	Pass
			24	23.59	-1.55	22.04	<=33.01	Pass
		12	0	22.58	-1.55	21.03	<=33.01	Pass
			6	22.56	-1.55	21.01	<=33.01	Pass
			13	22.51	-1.55	20.96	<=33.01	Pass
		25	0	22.57	-1.55	21.02	<=33.01	Pass
	2567.5	1	0	23.96	-1.55	22.41	<=33.01	Pass
			13	23.97	-1.55	22.42	<=33.01	Pass
			24	23.97	-1.55	22.42	<=33.01	Pass
		12	0	23.20	-1.55	21.65	<=33.01	Pass
			6	23.23	-1.55	21.68	<=33.01	Pass
			13	23.23	-1.55	21.68	<=33.01	Pass
		25	0	23.27	-1.55	21.72	<=33.01	Pass
16QAM	2502.5	1	0	22.32	-1.55	20.77	<=33.01	Pass
			13	22.38	-1.55	20.83	<=33.01	Pass
			24	22.43	-1.55	20.88	<=33.01	Pass
		12	0	21.36	-1.55	19.81	<=33.01	Pass
			6	21.36	-1.55	19.81	<=33.01	Pass
			13	21.38	-1.55	19.83	<=33.01	Pass
		25	0	21.36	-1.55	19.81	<=33.01	Pass
	2535	1	0	22.71	-1.55	21.16	<=33.01	Pass
			13	22.64	-1.55	21.09	<=33.01	Pass
			24	22.64	-1.55	21.09	<=33.01	Pass
		12	0	21.63	-1.55	20.08	<=33.01	Pass
			6	21.62	-1.55	20.07	<=33.01	Pass
			13	21.58	-1.55	20.03	<=33.01	Pass
		25	0	21.65	-1.55	20.10	<=33.01	Pass
	2567.5	1	0	23.34	-1.55	21.79	<=33.01	Pass
			13	23.35	-1.55	21.80	<=33.01	Pass
			24	23.39	-1.55	21.84	<=33.01	Pass
		12	0	22.32	-1.55	20.77	<=33.01	Pass
			6	22.32	-1.55	20.77	<=33.01	Pass
			13	22.35	-1.55	20.80	<=33.01	Pass
		25	0	22.26	-1.55	20.71	<=33.01	Pass
64QAM	2502.5	1	0	21.24	-1.55	19.69	<=33.01	Pass
			13	21.29	-1.55	19.74	<=33.01	Pass
			24	21.35	-1.55	19.80	<=33.01	Pass
		12	0	20.37	-1.55	18.82	<=33.01	Pass
			6	20.36	-1.55	18.81	<=33.01	Pass
			13	20.38	-1.55	18.83	<=33.01	Pass
		25	0	20.34	-1.55	18.79	<=33.01	Pass

	2535	1	0	22.13	-1.55	20.58	<=33.01	Pass
			13	22.06	-1.55	20.51	<=33.01	Pass
			24	22.05	-1.55	20.50	<=33.01	Pass
		12	0	20.69	-1.55	19.14	<=33.01	Pass
			6	20.65	-1.55	19.10	<=33.01	Pass
			13	20.63	-1.55	19.08	<=33.01	Pass
		25	0	20.51	-1.55	18.96	<=33.01	Pass
	2567.5	1	0	22.44	-1.55	20.89	<=33.01	Pass
			13	22.41	-1.55	20.86	<=33.01	Pass
			24	22.48	-1.55	20.93	<=33.01	Pass
		12	0	21.21	-1.55	19.66	<=33.01	Pass
			6	21.22	-1.55	19.67	<=33.01	Pass
			13	21.24	-1.55	19.69	<=33.01	Pass
		25	0	21.20	-1.55	19.65	<=33.01	Pass
256QAM	2502.5	1	0	18.55	-1.55	17.00	<=33.01	Pass
			13	18.60	-1.55	17.05	<=33.01	Pass
			24	18.65	-1.55	17.10	<=33.01	Pass
		12	0	18.30	-1.55	16.75	<=33.01	Pass
			6	18.29	-1.55	16.74	<=33.01	Pass
			13	18.31	-1.55	16.76	<=33.01	Pass
		25	0	18.33	-1.55	16.78	<=33.01	Pass
	2535	1	0	18.85	-1.55	17.30	<=33.01	Pass
			13	18.78	-1.55	17.23	<=33.01	Pass
			24	18.78	-1.55	17.23	<=33.01	Pass
		12	0	18.56	-1.55	17.01	<=33.01	Pass
			6	18.54	-1.55	16.99	<=33.01	Pass
			13	18.51	-1.55	16.96	<=33.01	Pass
		25	0	18.51	-1.55	16.96	<=33.01	Pass
	2567.5	1	0	19.37	-1.55	17.82	<=33.01	Pass
			13	19.37	-1.55	17.82	<=33.01	Pass
			24	19.42	-1.55	17.87	<=33.01	Pass
		12	0	19.24	-1.55	17.69	<=33.01	Pass
			6	19.25	-1.55	17.70	<=33.01	Pass
			13	19.27	-1.55	17.72	<=33.01	Pass
		25	0	19.20	-1.55	17.65	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	23.30	-1.55	21.75	<=33.01	Pass
			25	23.34	-1.55	21.79	<=33.01	Pass
			49	23.37	-1.55	21.82	<=33.01	Pass
		25	0	22.41	-1.55	20.86	<=33.01	Pass
			13	22.39	-1.55	20.84	<=33.01	Pass
			25	22.39	-1.55	20.84	<=33.01	Pass
		50	0	22.39	-1.55	20.84	<=33.01	Pass
	2535	1	0	23.67	-1.55	22.12	<=33.01	Pass
			25	23.48	-1.55	21.93	<=33.01	Pass
			49	23.57	-1.55	22.02	<=33.01	Pass
		25	0	22.62	-1.55	21.07	<=33.01	Pass
			13	22.56	-1.55	21.01	<=33.01	Pass
			25	22.58	-1.55	21.03	<=33.01	Pass
		50	0	22.59	-1.55	21.04	<=33.01	Pass
	2565	1	0	23.87	-1.55	22.32	<=33.01	Pass

		25	25	23.96	-1.55	22.41	<=33.01	Pass
			49	23.94	-1.55	22.39	<=33.01	Pass
			0	23.21	-1.55	21.66	<=33.01	Pass
			13	23.26	-1.55	21.71	<=33.01	Pass
			25	23.29	-1.55	21.74	<=33.01	Pass
		50	0	23.26	-1.55	21.71	<=33.01	Pass
16QAM	2505	1	0	22.48	-1.55	20.93	<=33.01	Pass
			25	22.53	-1.55	20.98	<=33.01	Pass
			49	22.56	-1.55	21.01	<=33.01	Pass
		25	0	21.40	-1.55	19.85	<=33.01	Pass
			13	21.37	-1.55	19.82	<=33.01	Pass
			25	21.35	-1.55	19.80	<=33.01	Pass
		50	0	21.36	-1.55	19.81	<=33.01	Pass
	2535	1	0	22.61	-1.55	21.06	<=33.01	Pass
			25	22.42	-1.55	20.87	<=33.01	Pass
			49	22.50	-1.55	20.95	<=33.01	Pass
		25	0	21.63	-1.55	20.08	<=33.01	Pass
			13	21.58	-1.55	20.03	<=33.01	Pass
			25	21.60	-1.55	20.05	<=33.01	Pass
		50	0	21.57	-1.55	20.02	<=33.01	Pass
	2565	1	0	23.40	-1.55	21.85	<=33.01	Pass
			25	23.30	-1.55	21.75	<=33.01	Pass
			49	23.43	-1.55	21.88	<=33.01	Pass
		25	0	22.25	-1.55	20.70	<=33.01	Pass
			13	22.29	-1.55	20.74	<=33.01	Pass
			25	22.32	-1.55	20.77	<=33.01	Pass
		50	0	22.25	-1.55	20.70	<=33.01	Pass
64QAM	2505	1	0	21.15	-1.55	19.60	<=33.01	Pass
			25	21.20	-1.55	19.65	<=33.01	Pass
			49	21.22	-1.55	19.67	<=33.01	Pass
		25	0	20.45	-1.55	18.90	<=33.01	Pass
			13	20.41	-1.55	18.86	<=33.01	Pass
			25	20.39	-1.55	18.84	<=33.01	Pass
		50	0	20.34	-1.55	18.79	<=33.01	Pass
	2535	1	0	22.20	-1.55	20.65	<=33.01	Pass
			25	22.01	-1.55	20.46	<=33.01	Pass
			49	22.07	-1.55	20.52	<=33.01	Pass
		25	0	20.56	-1.55	19.01	<=33.01	Pass
			13	20.51	-1.55	18.96	<=33.01	Pass
			25	20.53	-1.55	18.98	<=33.01	Pass
		50	0	20.52	-1.55	18.97	<=33.01	Pass
	2565	1	0	22.47	-1.55	20.92	<=33.01	Pass
			25	22.37	-1.55	20.82	<=33.01	Pass
			49	22.47	-1.55	20.92	<=33.01	Pass
		25	0	21.13	-1.55	19.58	<=33.01	Pass
			13	21.16	-1.55	19.61	<=33.01	Pass
			25	21.20	-1.55	19.65	<=33.01	Pass
		50	0	21.21	-1.55	19.66	<=33.01	Pass
256QAM	2505	1	0	18.46	-1.55	16.91	<=33.01	Pass
			25	18.48	-1.55	16.93	<=33.01	Pass
			49	18.51	-1.55	16.96	<=33.01	Pass
		25	0	18.36	-1.55	16.81	<=33.01	Pass
			13	18.31	-1.55	16.76	<=33.01	Pass
			25	18.32	-1.55	16.77	<=33.01	Pass
		50	0	18.36	-1.55	16.81	<=33.01	Pass
	2535	1	0	18.62	-1.55	17.07	<=33.01	Pass
			25	18.44	-1.55	16.89	<=33.01	Pass
			49	18.50	-1.55	16.95	<=33.01	Pass
		25	0	18.57	-1.55	17.02	<=33.01	Pass

			13	18.52	-1.55	16.97	<=33.01	Pass
			25	18.55	-1.55	17.00	<=33.01	Pass
		50	0	18.49	-1.55	16.94	<=33.01	Pass
	2565	1	0	19.42	-1.55	17.87	<=33.01	Pass
			25	19.36	-1.55	17.81	<=33.01	Pass
			49	19.44	-1.55	17.89	<=33.01	Pass
		25	0	19.17	-1.55	17.62	<=33.01	Pass
			13	19.19	-1.55	17.64	<=33.01	Pass
			25	19.23	-1.55	17.68	<=33.01	Pass
		50	0	19.22	-1.55	17.67	<=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	23.30	-1.55	21.75	<=33.01	Pass
			38	23.38	-1.55	21.83	<=33.01	Pass
			74	23.31	-1.55	21.76	<=33.01	Pass
		36	0	22.41	-1.55	20.86	<=33.01	Pass
			18	22.41	-1.55	20.86	<=33.01	Pass
			39	22.36	-1.55	20.81	<=33.01	Pass
		75	0	22.39	-1.55	20.84	<=33.01	Pass
	2535	1	0	23.67	-1.55	22.12	<=33.01	Pass
			38	23.55	-1.55	22.00	<=33.01	Pass
			74	23.58	-1.55	22.03	<=33.01	Pass
		36	0	22.59	-1.55	21.04	<=33.01	Pass
			18	22.57	-1.55	21.02	<=33.01	Pass
			39	22.56	-1.55	21.01	<=33.01	Pass
		75	0	22.60	-1.55	21.05	<=33.01	Pass
	2562.5	1	0	23.86	-1.55	22.31	<=33.01	Pass
			38	23.92	-1.55	22.37	<=33.01	Pass
			74	24.00	-1.55	22.45	<=33.01	Pass
		36	0	23.14	-1.55	21.59	<=33.01	Pass
			18	23.16	-1.55	21.61	<=33.01	Pass
			39	23.21	-1.55	21.66	<=33.01	Pass
		75	0	23.17	-1.55	21.62	<=33.01	Pass
16QAM	2507.5	1	0	22.46	-1.55	20.91	<=33.01	Pass
			38	22.57	-1.55	21.02	<=33.01	Pass
			74	22.48	-1.55	20.93	<=33.01	Pass
		36	0	21.42	-1.55	19.87	<=33.01	Pass
			18	21.39	-1.55	19.84	<=33.01	Pass
			39	21.34	-1.55	19.79	<=33.01	Pass
		75	0	21.38	-1.55	19.83	<=33.01	Pass
	2535	1	0	22.58	-1.55	21.03	<=33.01	Pass
			38	22.49	-1.55	20.94	<=33.01	Pass
			74	22.48	-1.55	20.93	<=33.01	Pass
		36	0	21.60	-1.55	20.05	<=33.01	Pass
			18	21.56	-1.55	20.01	<=33.01	Pass
			39	21.55	-1.55	20.00	<=33.01	Pass
		75	0	21.61	-1.55	20.06	<=33.01	Pass
	2562.5	1	0	23.33	-1.55	21.78	<=33.01	Pass
			38	23.38	-1.55	21.83	<=33.01	Pass
			74	23.46	-1.55	21.91	<=33.01	Pass
		36	0	22.25	-1.55	20.70	<=33.01	Pass
			18	22.26	-1.55	20.71	<=33.01	Pass

			39	22.31	-1.55	20.76	<=33.01	Pass		
		75	0	22.23	-1.55	20.68	<=33.01	Pass		
64QAM	2507.5	1	0	21.17	-1.55	19.62	<=33.01	Pass		
			38	21.23	-1.55	19.68	<=33.01	Pass		
			74	21.16	-1.55	19.61	<=33.01	Pass		
			0	20.50	-1.55	18.95	<=33.01	Pass		
		36	18	20.48	-1.55	18.93	<=33.01	Pass		
			39	20.43	-1.55	18.88	<=33.01	Pass		
			75	0	20.41	-1.55	18.86	<=33.01	Pass	
		2535	1	0	22.16	-1.55	20.61	<=33.01	Pass	
				38	22.05	-1.55	20.50	<=33.01	Pass	
				74	22.06	-1.55	20.51	<=33.01	Pass	
	0			20.67	-1.55	19.12	<=33.01	Pass		
	36		18	20.62	-1.55	19.07	<=33.01	Pass		
			39	20.60	-1.55	19.05	<=33.01	Pass		
			75	0	20.61	-1.55	19.06	<=33.01	Pass	
	2562.5		1	0	22.35	-1.55	20.80	<=33.01	Pass	
				38	22.38	-1.55	20.83	<=33.01	Pass	
				74	22.44	-1.55	20.89	<=33.01	Pass	
		0		21.16	-1.55	19.61	<=33.01	Pass		
		36	18	21.17	-1.55	19.62	<=33.01	Pass		
			39	21.22	-1.55	19.67	<=33.01	Pass		
			75	0	21.23	-1.55	19.68	<=33.01	Pass	
		256QAM	2507.5	1	0	18.49	-1.55	16.94	<=33.01	Pass
					38	18.54	-1.55	16.99	<=33.01	Pass
74	18.46				-1.55	16.91	<=33.01	Pass		
36	0			18.43	-1.55	16.88	<=33.01	Pass		
	18			18.41	-1.55	16.86	<=33.01	Pass		
	39			18.34	-1.55	16.79	<=33.01	Pass		
75	0			18.41	-1.55	16.86	<=33.01	Pass		
2535	1		0	18.56	-1.55	17.01	<=33.01	Pass		
			38	18.51	-1.55	16.96	<=33.01	Pass		
			74	18.49	-1.55	16.94	<=33.01	Pass		
			0	18.60	-1.55	17.05	<=33.01	Pass		
	36		18	18.56	-1.55	17.01	<=33.01	Pass		
			39	18.55	-1.55	17.00	<=33.01	Pass		
	75		0	18.53	-1.55	16.98	<=33.01	Pass		
2562.5	1		0	19.46	-1.55	17.91	<=33.01	Pass		
			38	19.52	-1.55	17.97	<=33.01	Pass		
			74	19.56	-1.55	18.01	<=33.01	Pass		
	36		0	19.16	-1.55	17.61	<=33.01	Pass		
			18	19.15	-1.55	17.60	<=33.01	Pass		
			39	19.22	-1.55	17.67	<=33.01	Pass		
	75		0	19.21	-1.55	17.66	<=33.01	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	23.43	-1.55	21.88	<=33.01	Pass
			50	23.48	-1.55	21.93	<=33.01	Pass
			99	23.59	-1.55	22.04	<=33.01	Pass
		50	0	22.49	-1.55	20.94	<=33.01	Pass
			25	22.46	-1.55	20.91	<=33.01	Pass
			50	22.42	-1.55	20.87	<=33.01	Pass

		100	0	22.48	-1.55	20.93	<=33.01	Pass
		2535	1	0	23.51	-1.55	21.96	<=33.01
				50	23.42	-1.55	21.87	<=33.01
				99	23.49	-1.55	21.94	<=33.01
				0	22.65	-1.55	21.10	<=33.01
		50		25	22.64	-1.55	21.09	<=33.01
				50	22.61	-1.55	21.06	<=33.01
				0	22.63	-1.55	21.08	<=33.01
		100		0	22.63	-1.55	21.08	<=33.01
		2560	1	0	23.73	-1.55	22.18	<=33.01
				50	23.89	-1.55	22.34	<=33.01
				99	23.99	-1.55	22.44	<=33.01
			50	0	23.16	-1.55	21.61	<=33.01
				25	23.21	-1.55	21.66	<=33.01
				50	23.29	-1.55	21.74	<=33.01
			100	0	23.25	-1.55	21.70	<=33.01
				0	22.55	-1.55	21.00	<=33.01
16QAM	2510	1		0	22.55	-1.55	21.00	<=33.01
				50	22.59	-1.55	21.04	<=33.01
				99	22.69	-1.55	21.14	<=33.01
		50		0	21.51	-1.55	19.96	<=33.01
				25	21.47	-1.55	19.92	<=33.01
				50	21.42	-1.55	19.87	<=33.01
		100		0	21.44	-1.55	19.89	<=33.01
	2535	1		0	22.76	-1.55	21.21	<=33.01
				50	22.69	-1.55	21.14	<=33.01
				99	22.72	-1.55	21.17	<=33.01
		50		0	21.71	-1.55	20.16	<=33.01
				25	21.69	-1.55	20.14	<=33.01
				50	21.67	-1.55	20.12	<=33.01
		100		0	21.62	-1.55	20.07	<=33.01
	2560	1		0	23.15	-1.55	21.60	<=33.01
				50	23.36	-1.55	21.81	<=33.01
				99	23.47	-1.55	21.92	<=33.01
		50		0	22.17	-1.55	20.62	<=33.01
				25	22.21	-1.55	20.66	<=33.01
				50	22.31	-1.55	20.76	<=33.01
		100		0	22.25	-1.55	20.70	<=33.01
64QAM	2510	1		0	21.94	-1.55	20.39	<=33.01
				50	21.99	-1.55	20.44	<=33.01
				99	22.09	-1.55	20.54	<=33.01
		50		0	20.53	-1.55	18.98	<=33.01
				25	20.50	-1.55	18.95	<=33.01
				50	20.42	-1.55	18.87	<=33.01
		100		0	20.43	-1.55	18.88	<=33.01
	2535	1		0	21.84	-1.55	20.29	<=33.01
				50	21.75	-1.55	20.20	<=33.01
				99	21.82	-1.55	20.27	<=33.01
		50		0	20.64	-1.55	19.09	<=33.01
				25	20.63	-1.55	19.08	<=33.01
				50	20.61	-1.55	19.06	<=33.01
		100		0	20.58	-1.55	19.03	<=33.01
	2560	1		0	22.33	-1.55	20.78	<=33.01
				50	22.52	-1.55	20.97	<=33.01
				99	22.55	-1.55	21.00	<=33.01
		50		0	21.19	-1.55	19.64	<=33.01
				25	21.23	-1.55	19.68	<=33.01
				50	21.32	-1.55	19.77	<=33.01
		100		0	21.27	-1.55	19.72	<=33.01
256QAM	2510	1	0	18.67	-1.55	17.12	<=33.01	Pass
			50	18.70	-1.55	17.15	<=33.01	Pass

		50	99	18.80	-1.55	17.25	<=33.01	Pass
			0	18.48	-1.55	16.93	<=33.01	Pass
			25	18.42	-1.55	16.87	<=33.01	Pass
			50	18.38	-1.55	16.83	<=33.01	Pass
		100	0	18.41	-1.55	16.86	<=33.01	Pass
	2535	1	0	18.77	-1.55	17.22	<=33.01	Pass
			50	18.71	-1.55	17.16	<=33.01	Pass
			99	18.74	-1.55	17.19	<=33.01	Pass
		50	0	18.61	-1.55	17.06	<=33.01	Pass
			25	18.61	-1.55	17.06	<=33.01	Pass
			50	18.58	-1.55	17.03	<=33.01	Pass
		100	0	18.57	-1.55	17.02	<=33.01	Pass
	2560	1	0	19.48	-1.55	17.93	<=33.01	Pass
			50	19.69	-1.55	18.14	<=33.01	Pass
			99	19.75	-1.55	18.20	<=33.01	Pass
		50	0	19.16	-1.55	17.61	<=33.01	Pass
			25	19.19	-1.55	17.64	<=33.01	Pass
			50	19.29	-1.55	17.74	<=33.01	Pass
		100	0	19.23	-1.55	17.68	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B7_10MHz

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2535	50	0	20	LV	0.383	0.0002	-2.5 to 2.5	Pass
					NV	13.926	0.0055	-2.5 to 2.5	Pass
					HV	1.945	0.0008	-2.5 to 2.5	Pass
				-30	NV	3.858	0.0015	-2.5 to 2.5	Pass
				-20	NV	0.097	0.0000	-2.5 to 2.5	Pass
				-10	NV	0.840	0.0003	-2.5 to 2.5	Pass
				0	NV	-2.622	-0.0010	-2.5 to 2.5	Pass
				10	NV	-3.877	-0.0015	-2.5 to 2.5	Pass
				30	NV	-6.900	-0.0027	-2.5 to 2.5	Pass
				40	NV	-6.098	-0.0024	-2.5 to 2.5	Pass
				50	NV	-5.249	-0.0021	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

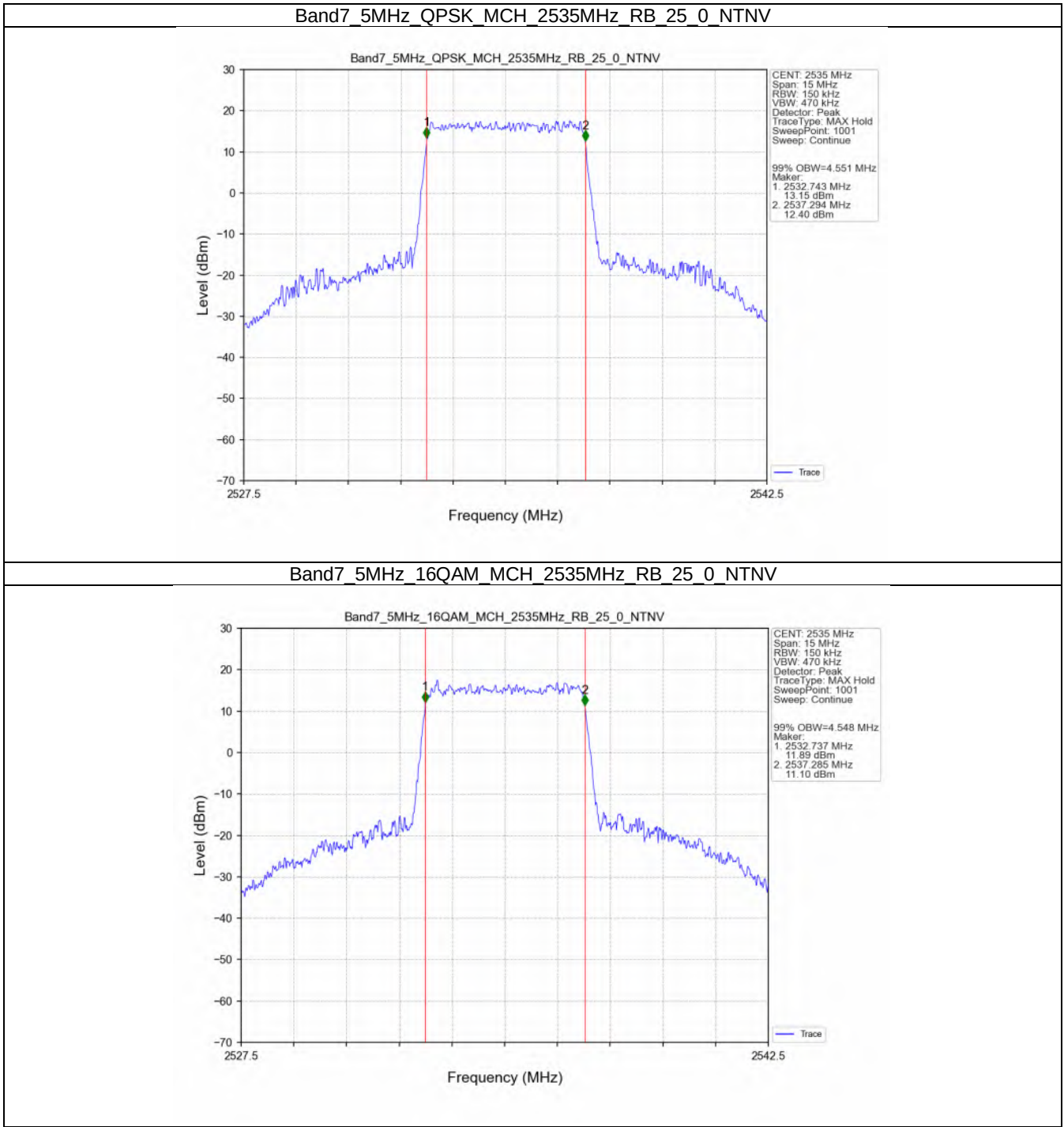
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.551	/	Pass
	16QAM	2535	25	0	4.548	/	Pass
	64QAM	2535	25	0	4.535	/	Pass
	256QAM	2535	25	0	4.548	/	Pass
10	QPSK	2535	50	0	9.059	/	Pass
	16QAM	2535	50	0	9.040	/	Pass
	64QAM	2535	50	0	9.044	/	Pass
	256QAM	2535	50	0	9.043	/	Pass
15	QPSK	2535	75	0	13.587	/	Pass
	16QAM	2535	75	0	13.573	/	Pass
	64QAM	2535	75	0	13.543	/	Pass
	256QAM	2535	75	0	13.548	/	Pass
20	QPSK	2535	100	0	18.075	/	Pass
	16QAM	2535	100	0	18.059	/	Pass
	64QAM	2535	100	0	18.015	/	Pass
	256QAM	2535	100	0	18.047	/	Pass

3.1.2 Band7_XDB

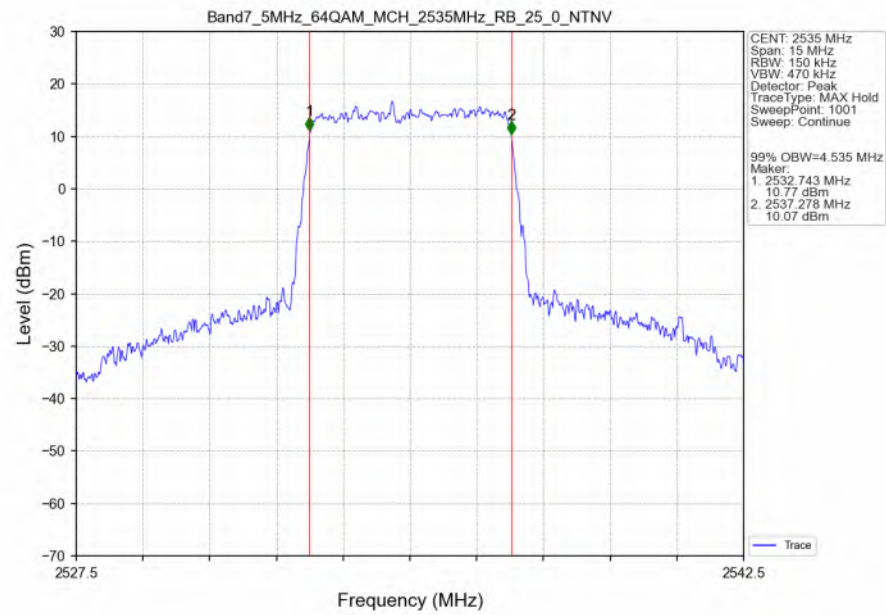
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.096	/	Pass
	16QAM	2535	25	0	5.048	/	Pass
	64QAM	2535	25	0	5.098	/	Pass
	256QAM	2535	25	0	5.084	/	Pass
10	QPSK	2535	50	0	10.004	/	Pass
	16QAM	2535	50	0	9.955	/	Pass
	64QAM	2535	50	0	9.884	/	Pass
	256QAM	2535	50	0	9.958	/	Pass
15	QPSK	2535	75	0	15.019	/	Pass
	16QAM	2535	75	0	16.000	/	Pass
	64QAM	2535	75	0	14.904	/	Pass
	256QAM	2535	75	0	14.979	/	Pass
20	QPSK	2535	100	0	19.678	/	Pass
	16QAM	2535	100	0	19.664	/	Pass
	64QAM	2535	100	0	19.640	/	Pass
	256QAM	2535	100	0	19.715	/	Pass

3.2 Test Graph

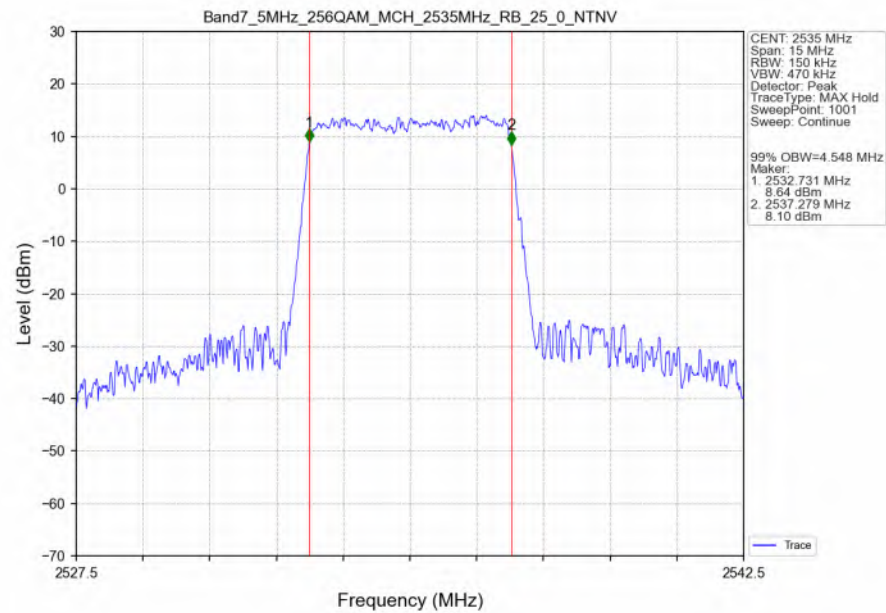
3.2.1 Band7_OBW



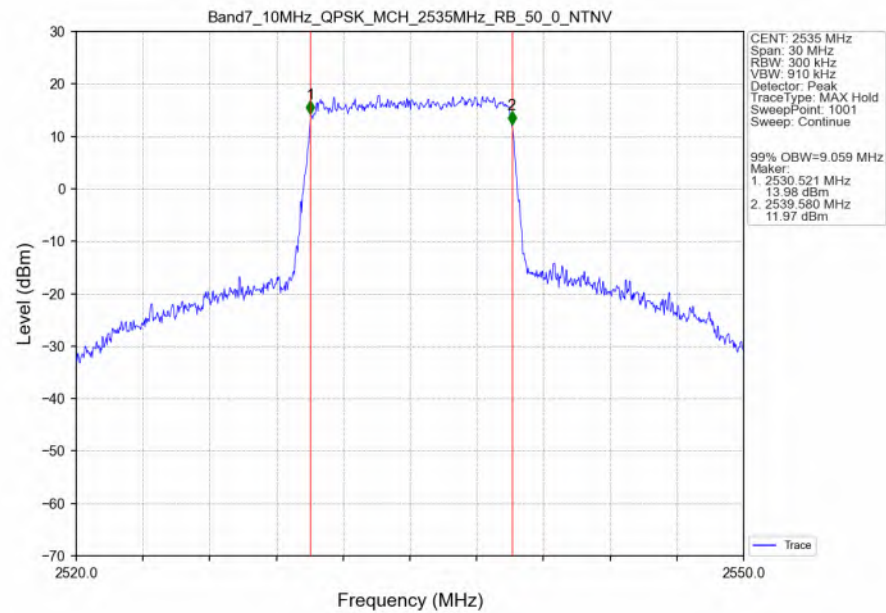
Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV



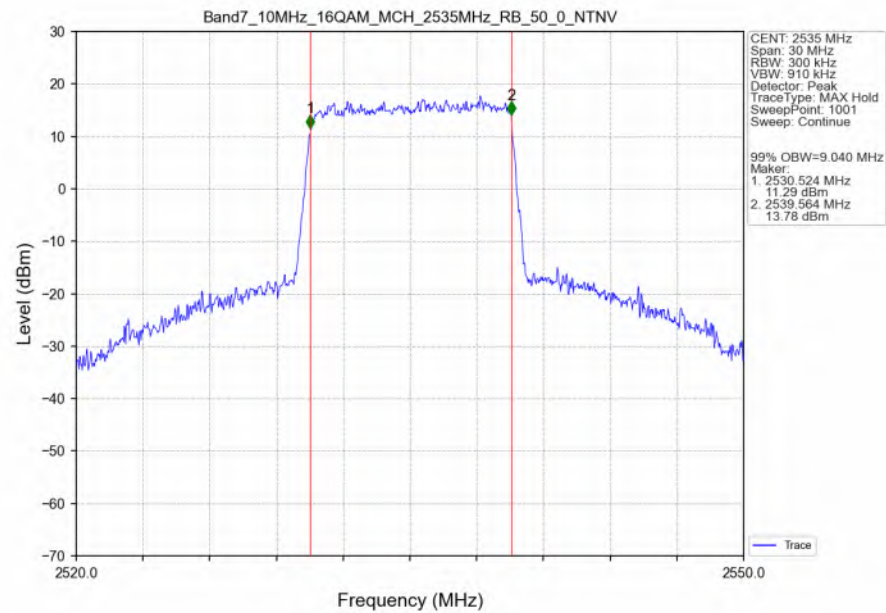
Band7_5MHz_256QAM_MCH_2535MHz_RB_25_0_NTNV



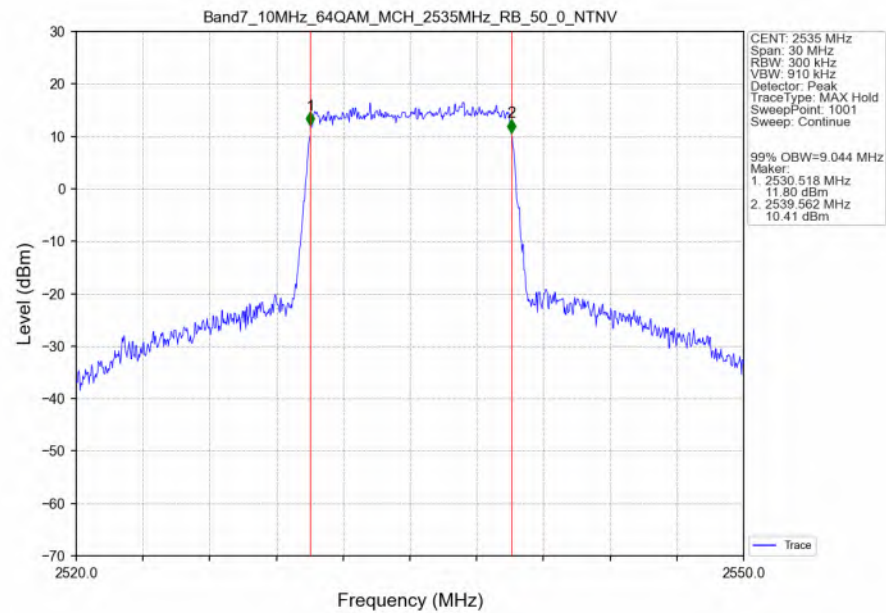
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



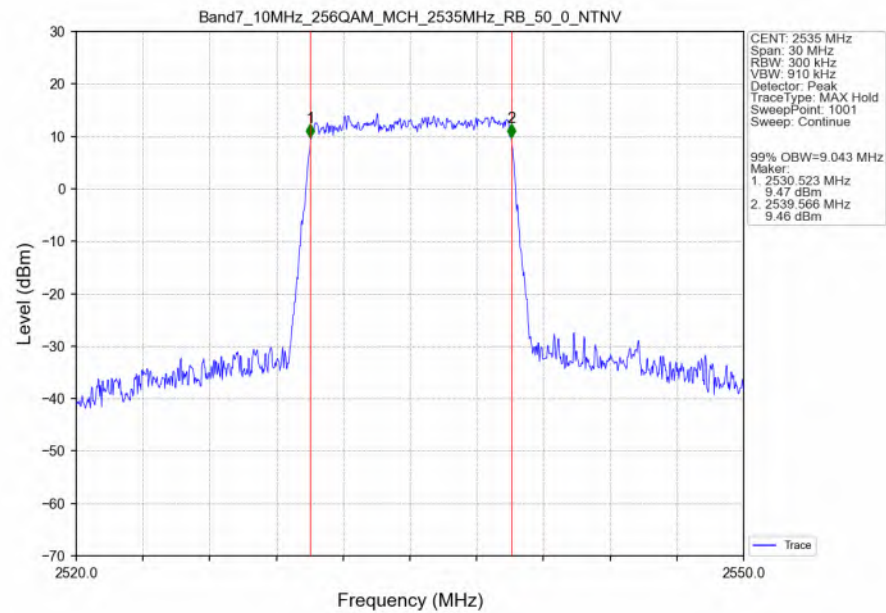
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



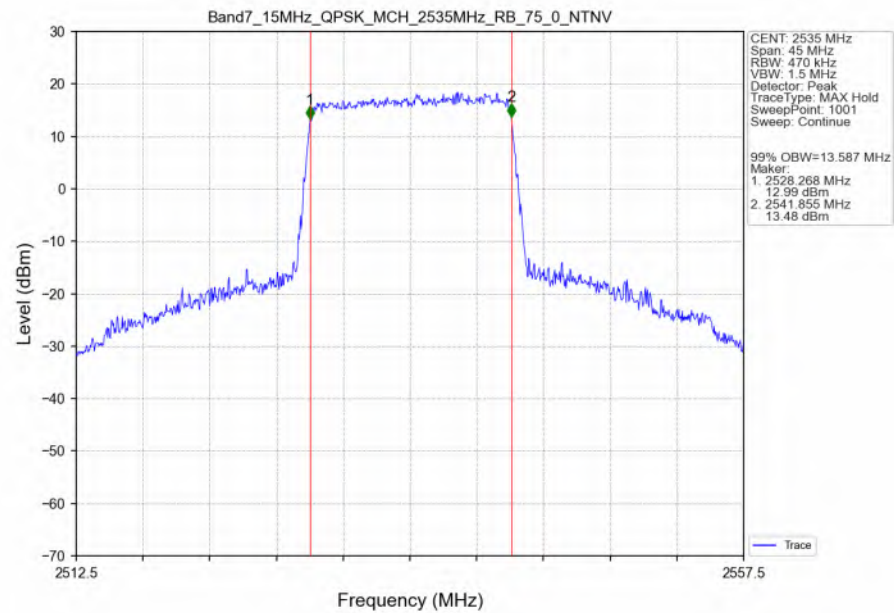
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



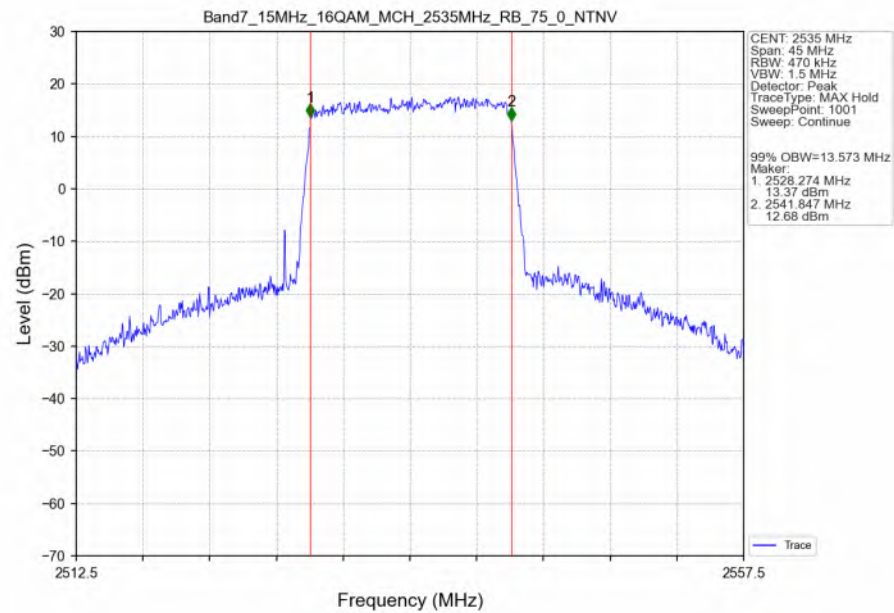
Band7_10MHz_256QAM_MCH_2535MHz_RB_50_0_NTNV



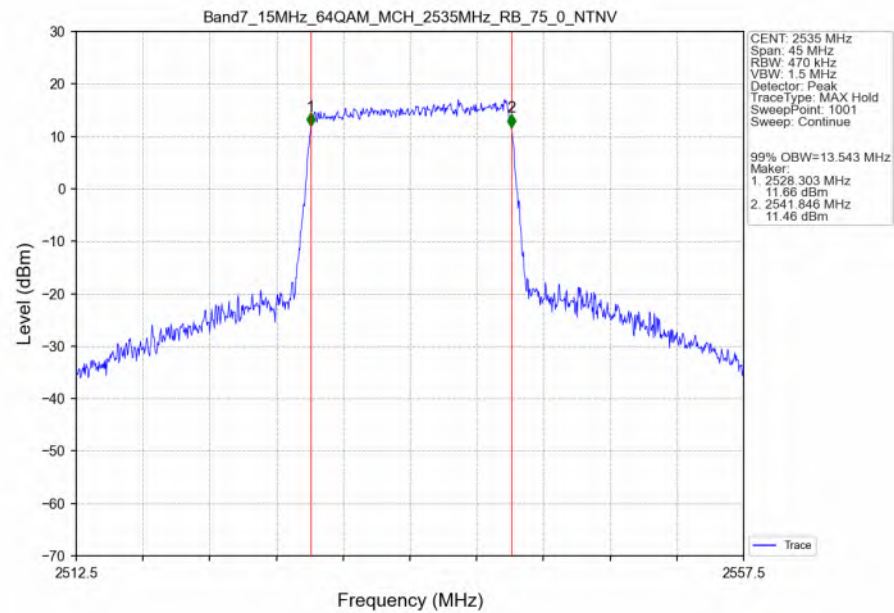
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



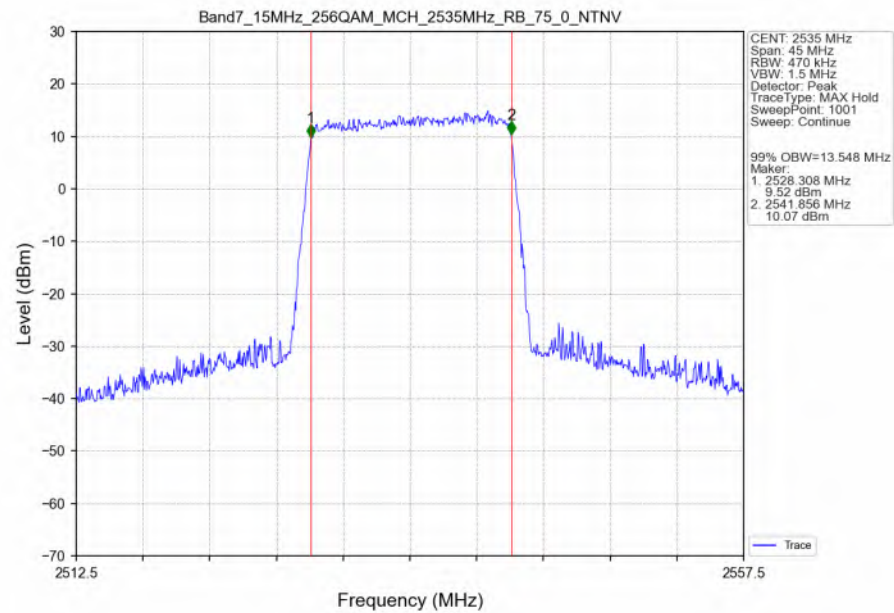
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



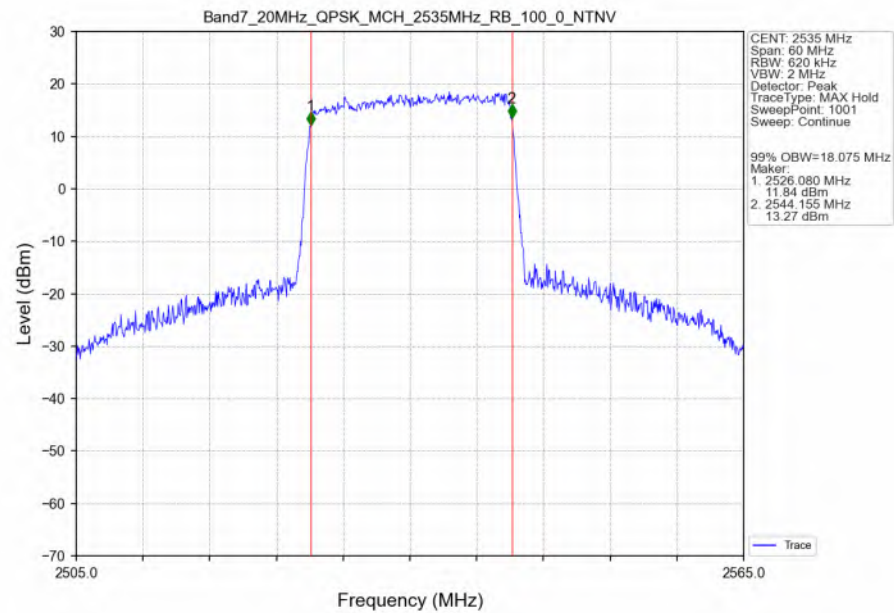
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



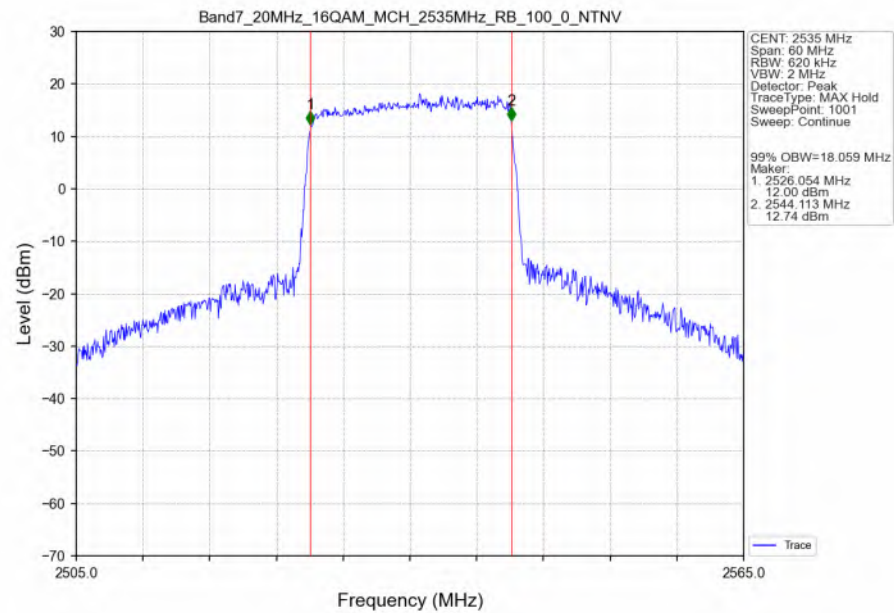
Band7_15MHz_256QAM_MCH_2535MHz_RB_75_0_NTNV



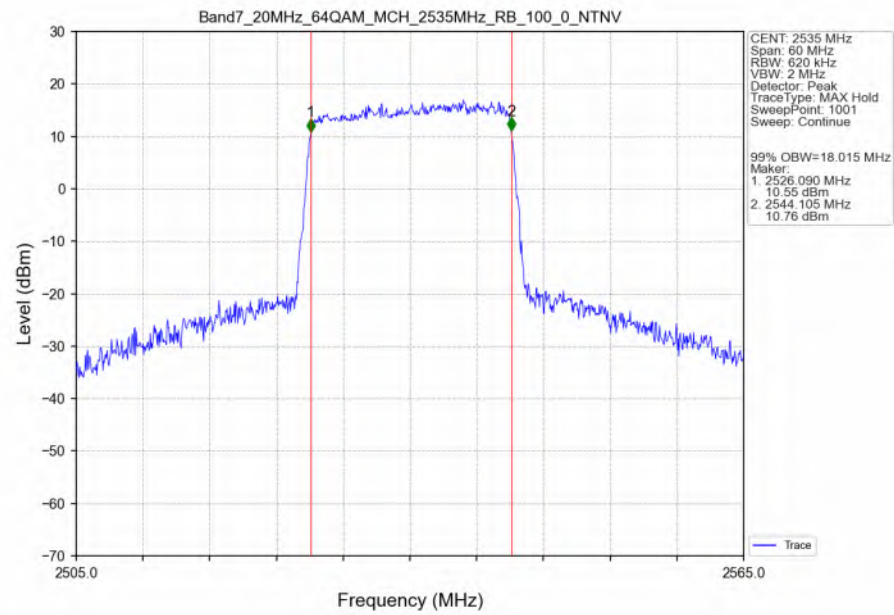
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



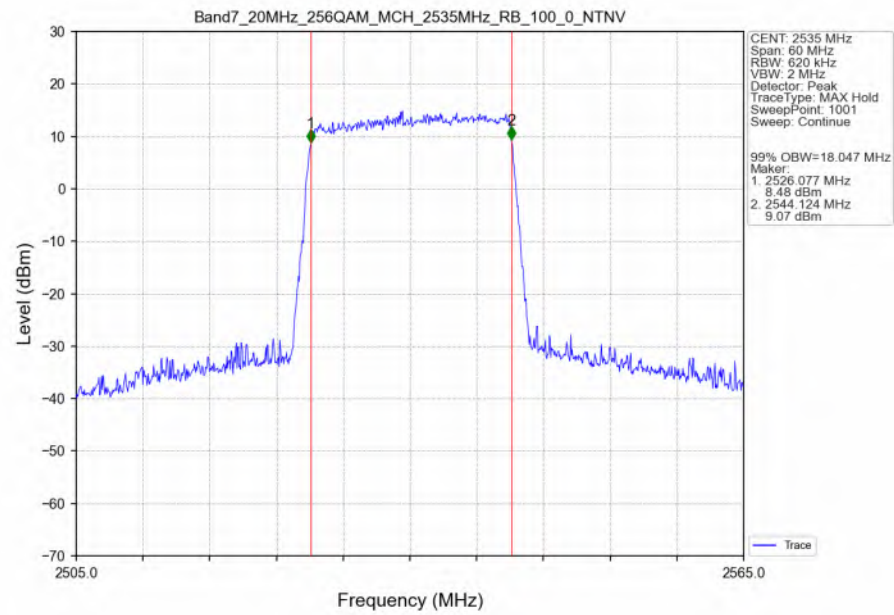
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



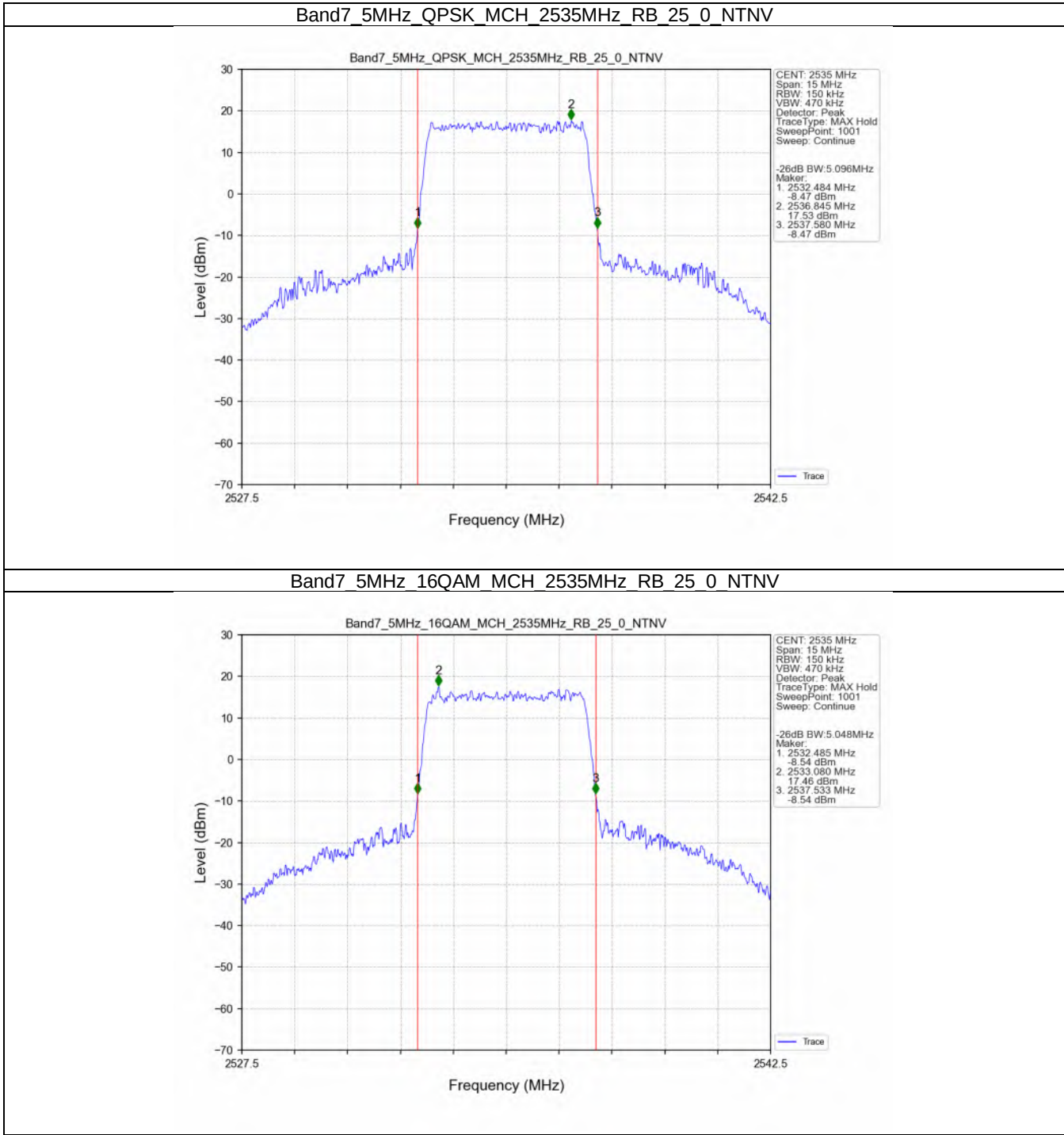
Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



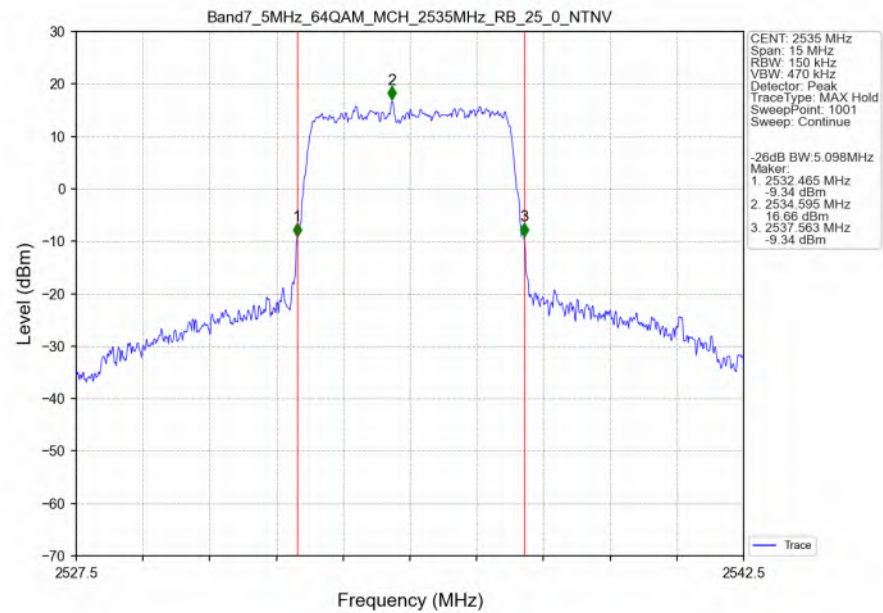
Band7_20MHz_256QAM_MCH_2535MHz_RB_100_0_NTNV



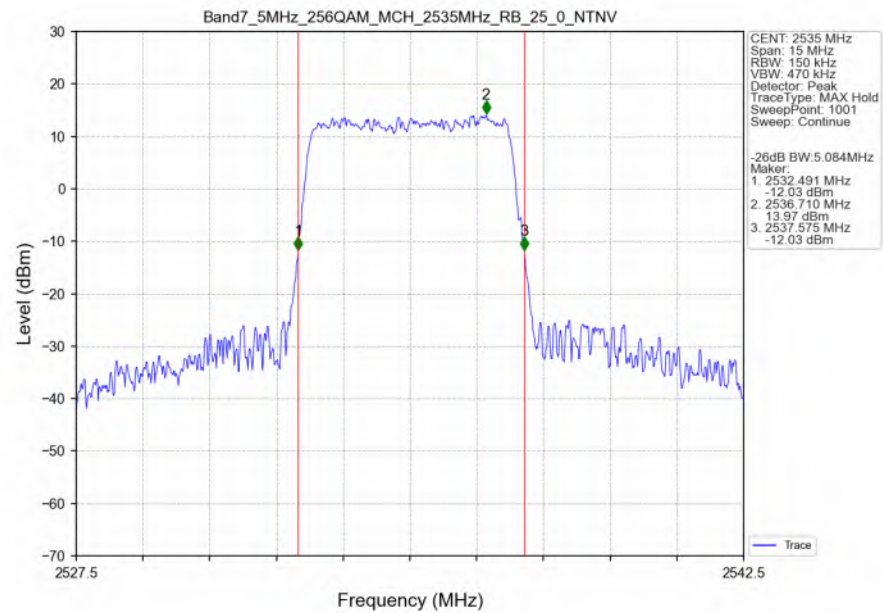
3.2.2 Band7_XDB



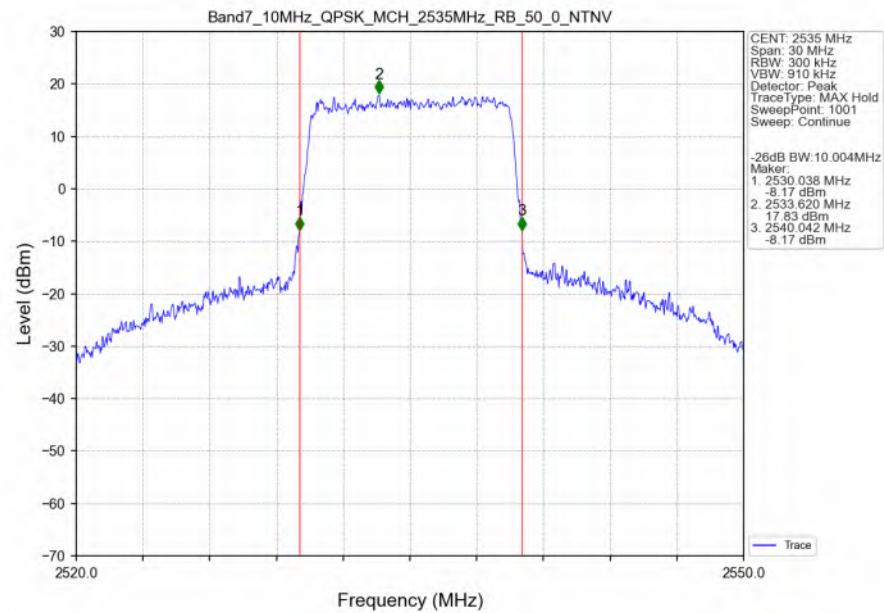
Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV



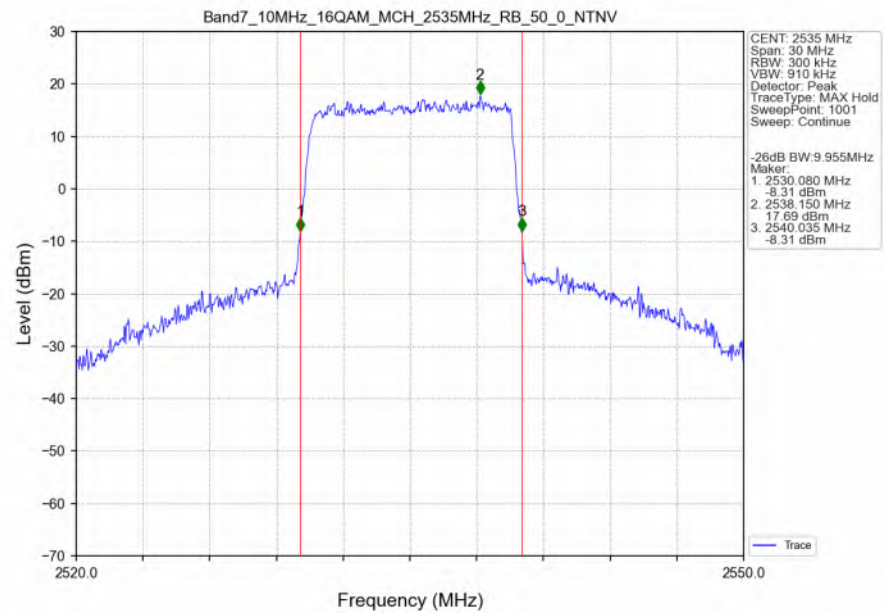
Band7_5MHz_256QAM_MCH_2535MHz_RB_25_0_NTNV



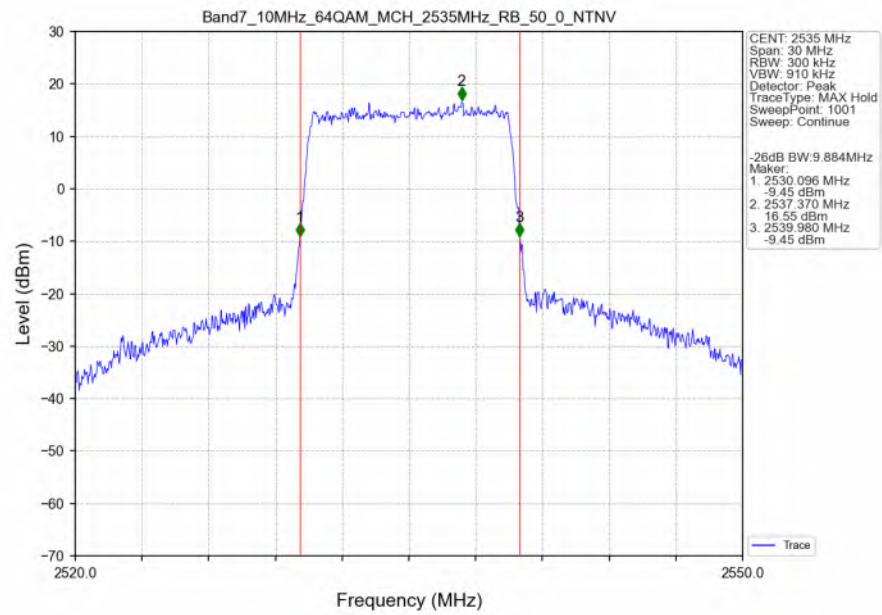
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



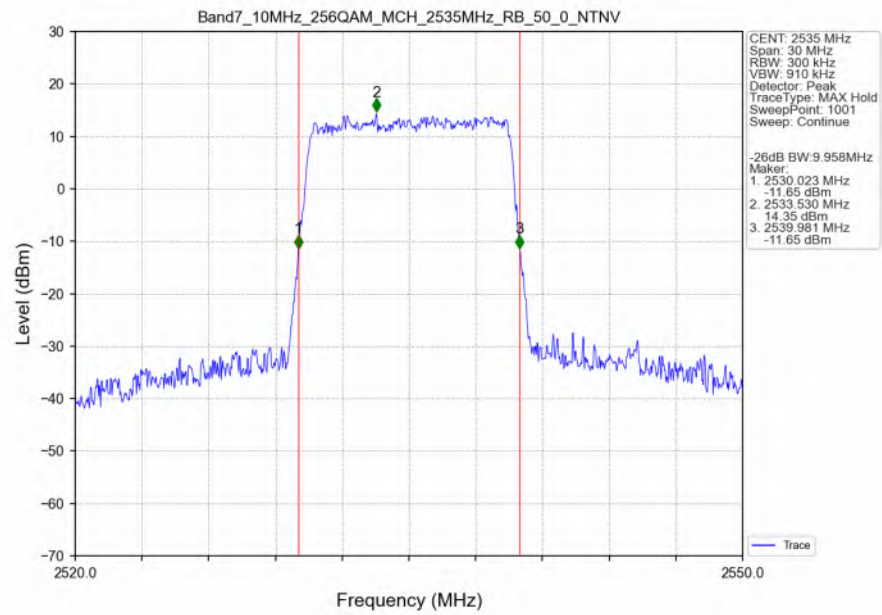
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



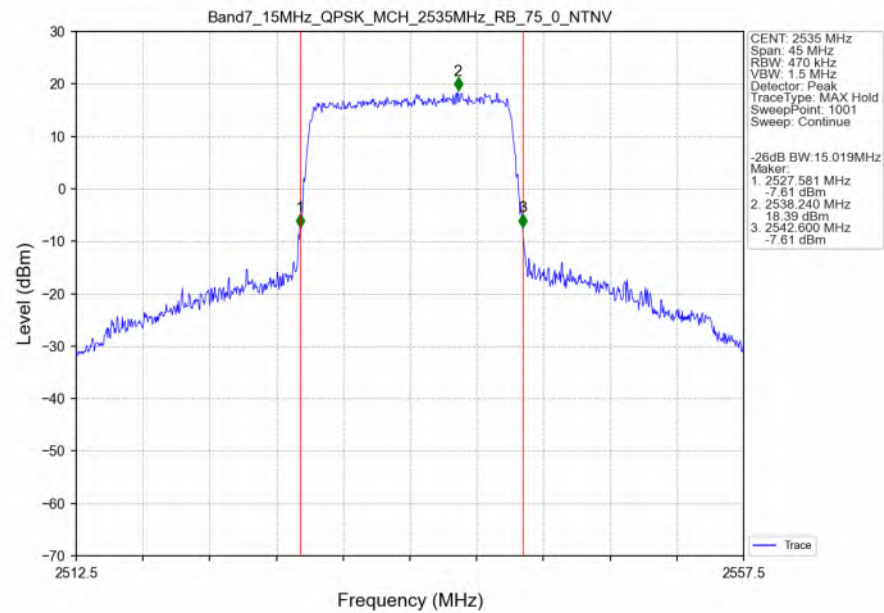
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



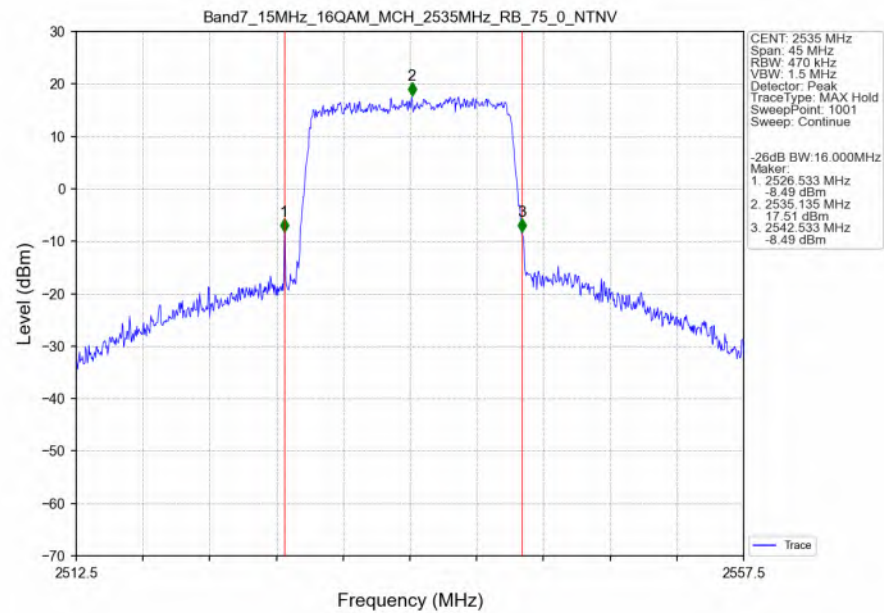
Band7_10MHz_256QAM_MCH_2535MHz_RB_50_0_NTNV



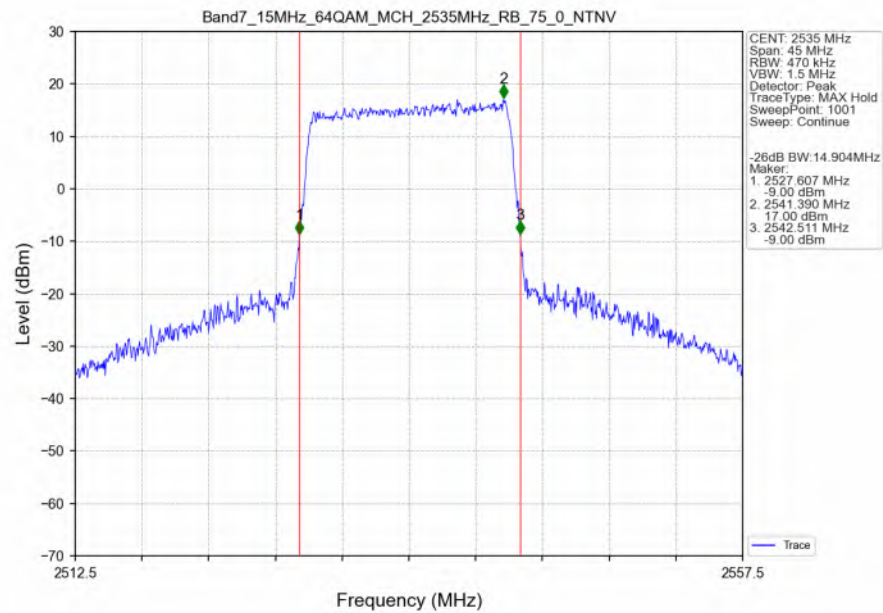
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



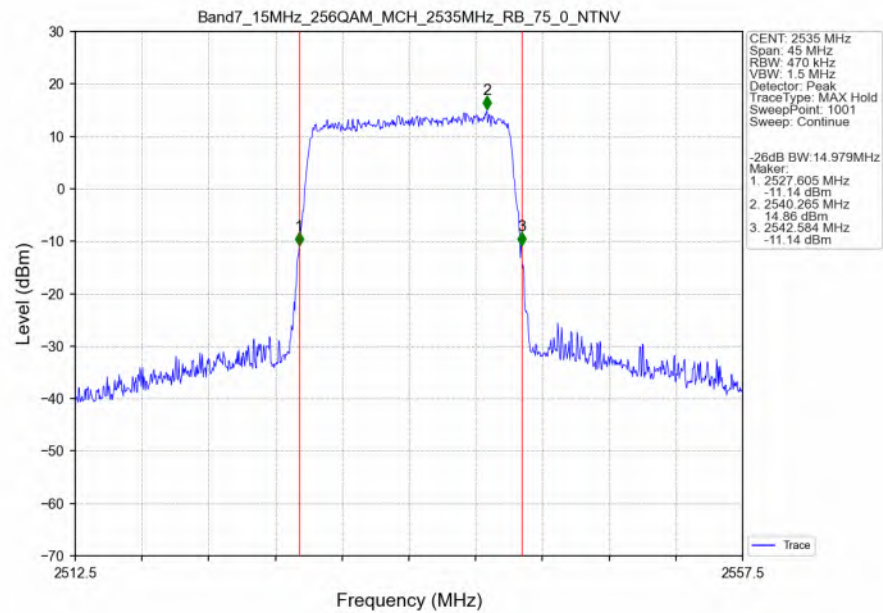
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



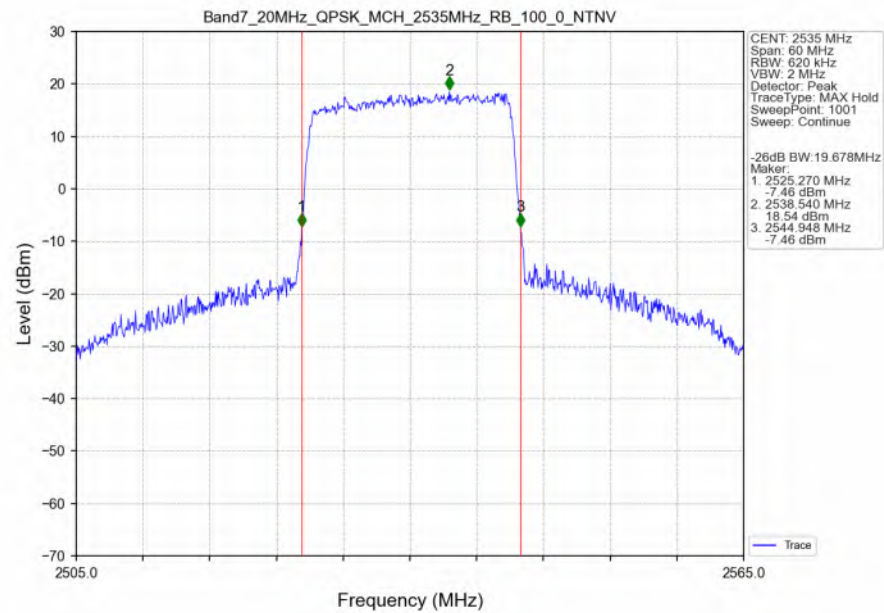
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



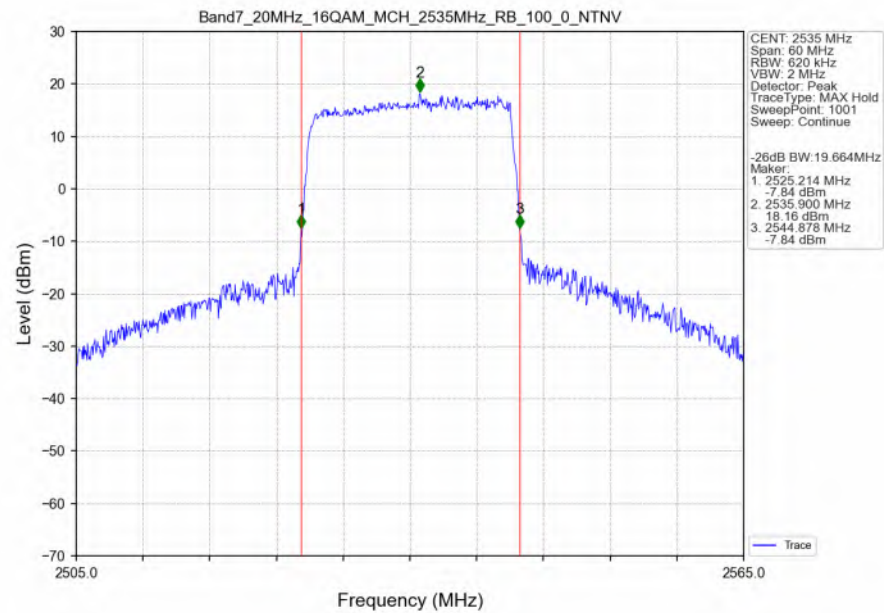
Band7_15MHz_256QAM_MCH_2535MHz_RB_75_0_NTNV



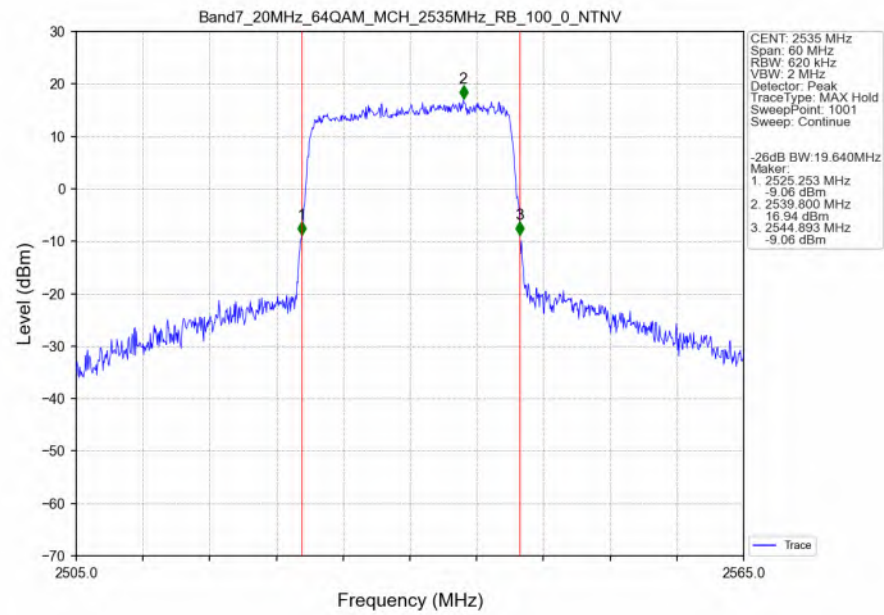
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



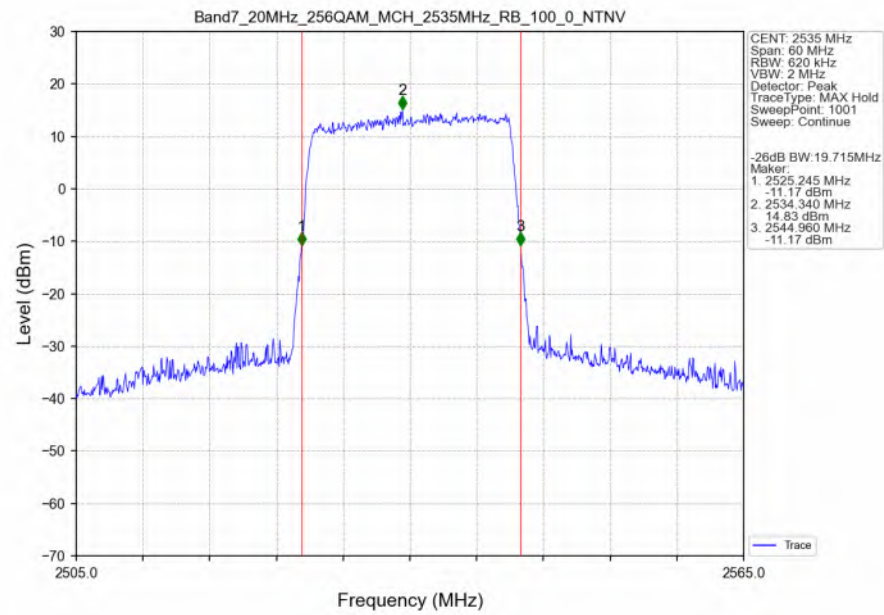
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_256QAM_MCH_2535MHz_RB_100_0_NTNV



4. Peak-Average Ratio

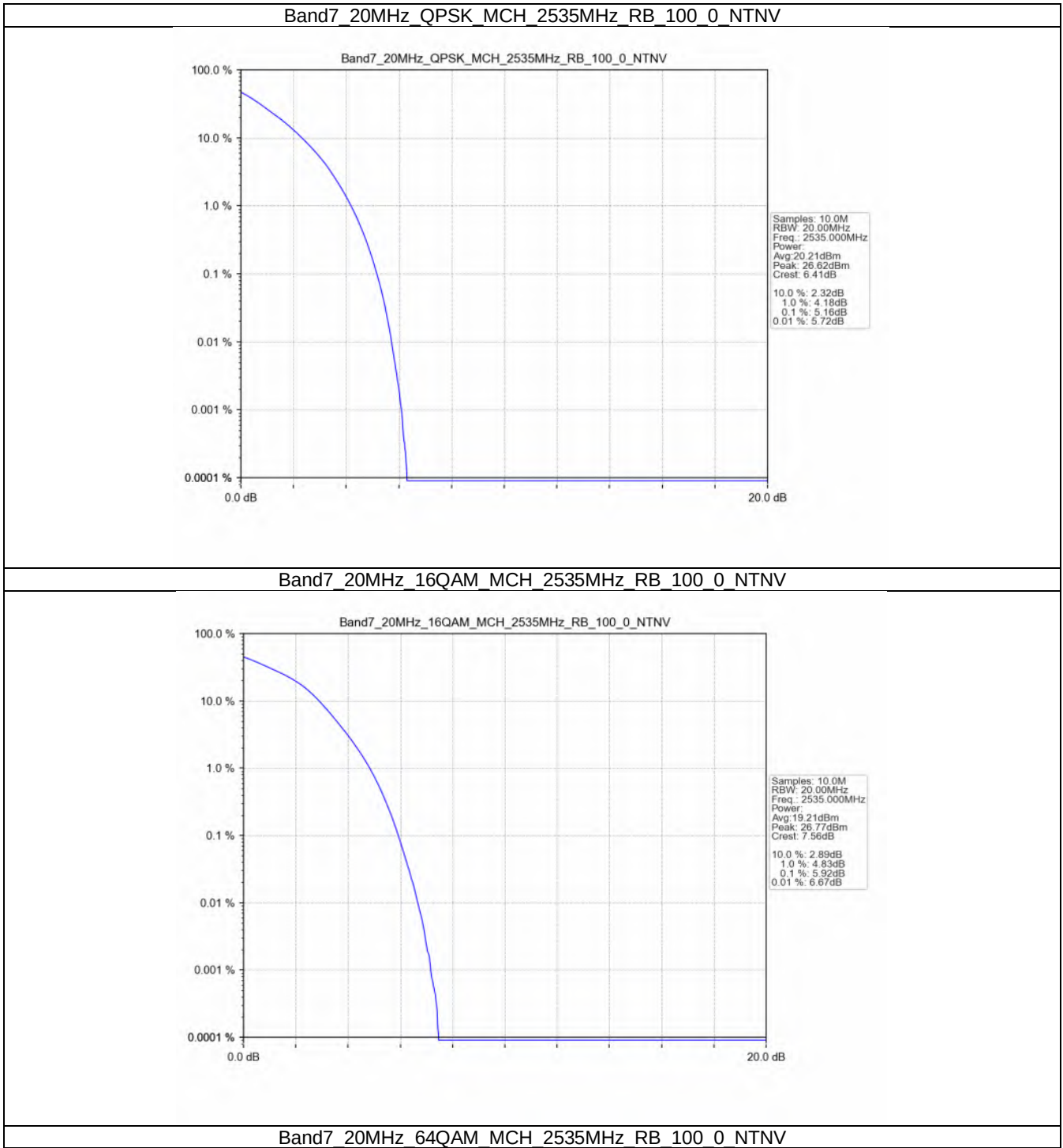
4.1 Test Result

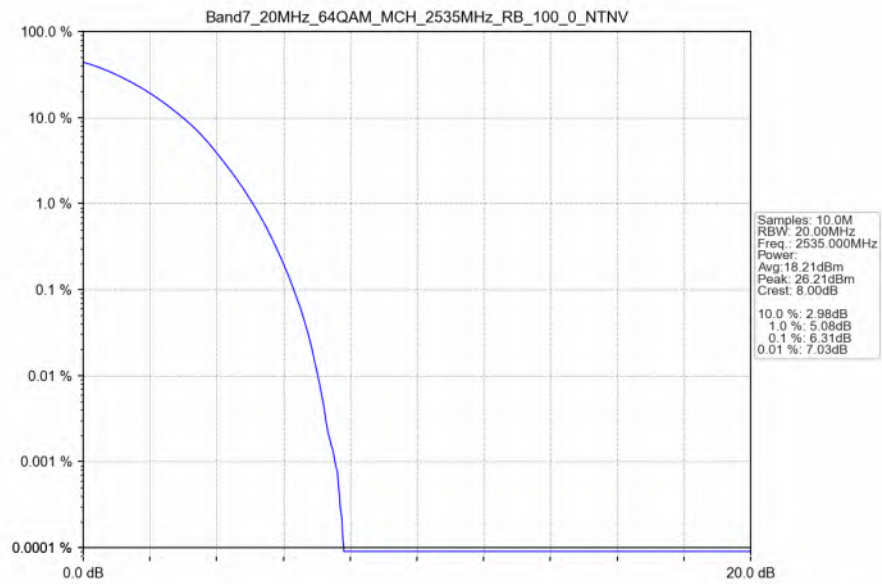
4.1.1 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	5.16	<=13	Pass
16QAM	2535	100	0	5.92	<=13	Pass
64QAM	2535	100	0	6.31	<=13	Pass
256QAM	2535	100	0	6.61	<=13	Pass

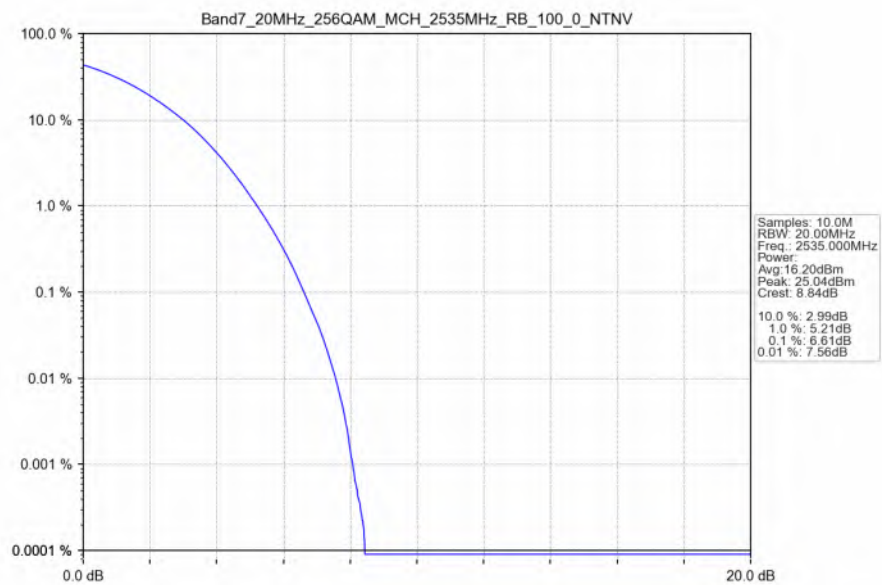
4.2 Test Graph

4.2.1 B7_20MHz





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 / NTNV						
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

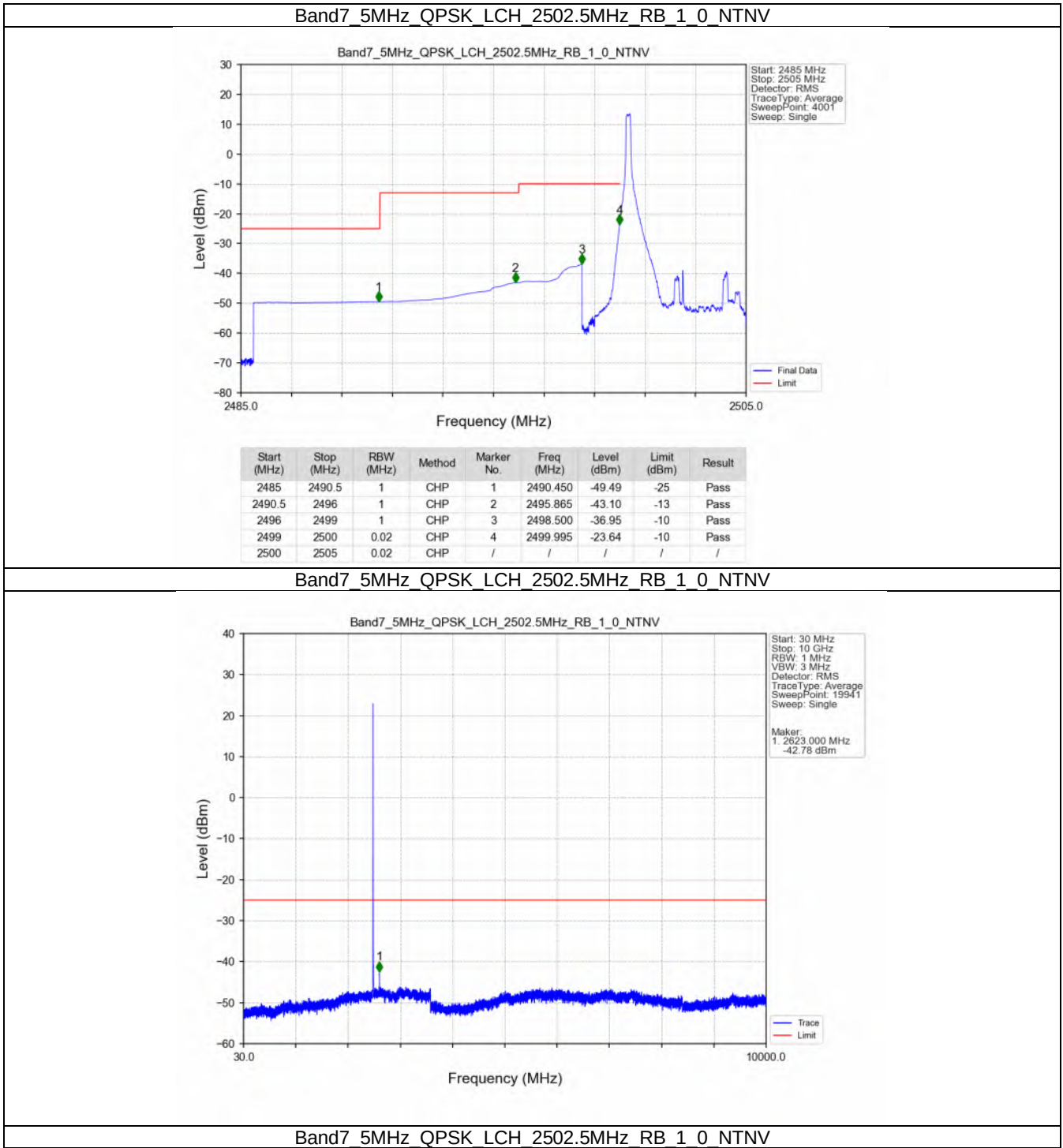
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

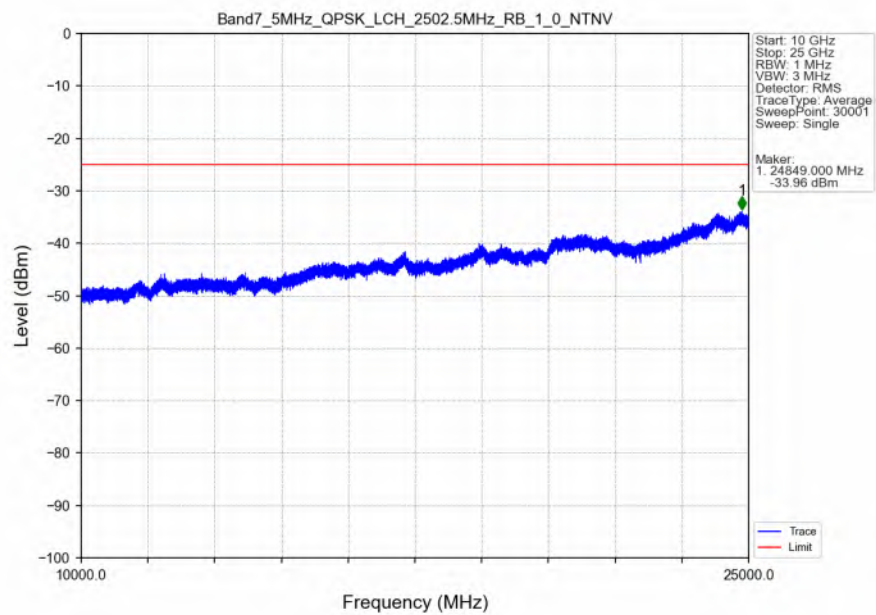
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
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

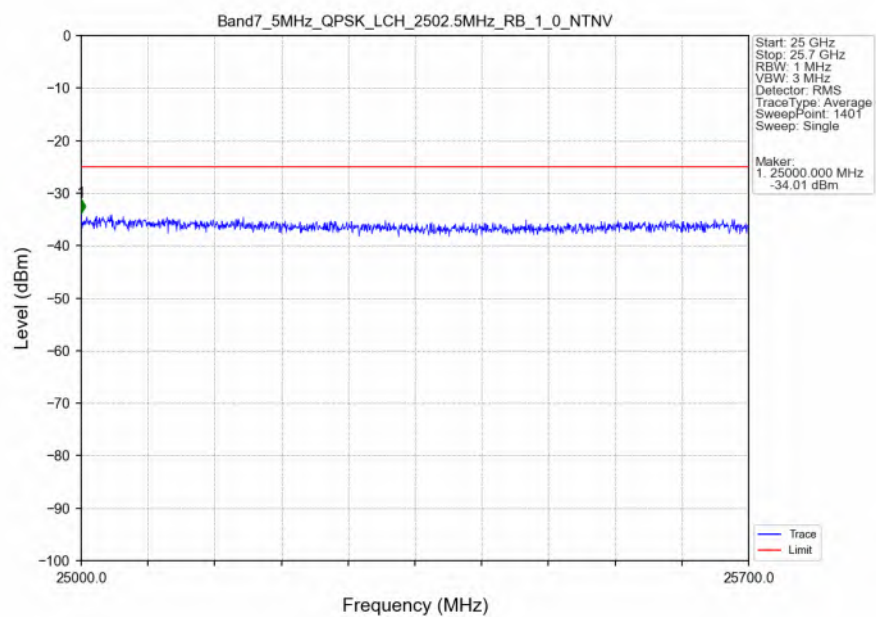
5.2 Test Graph

5.2.1 B7_5MHz

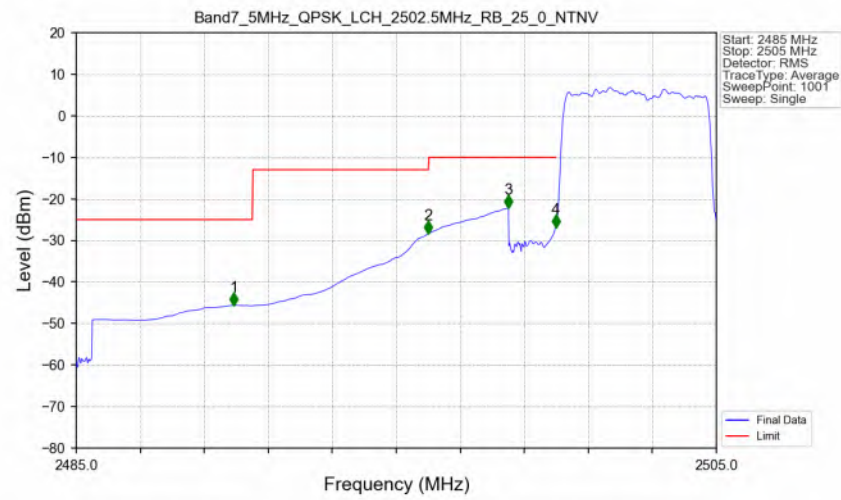




Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

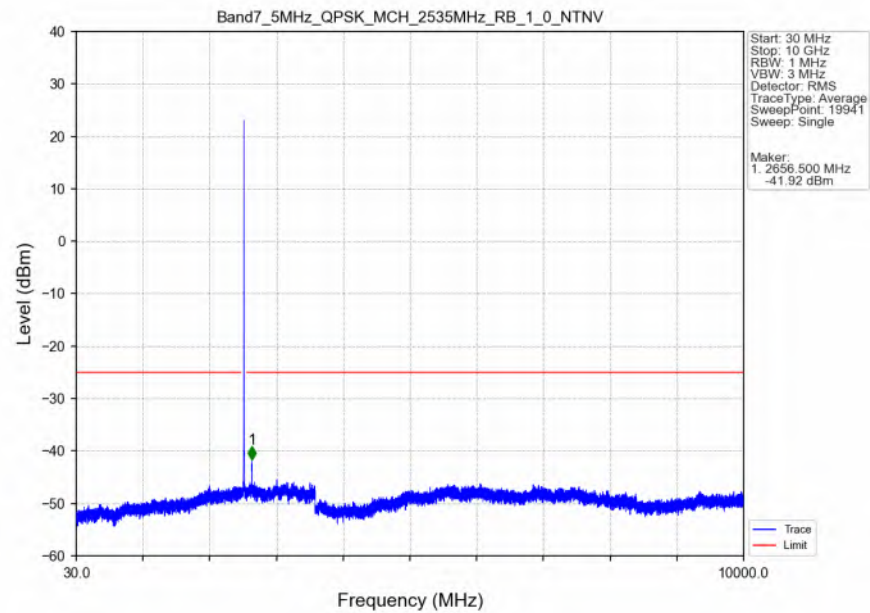


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

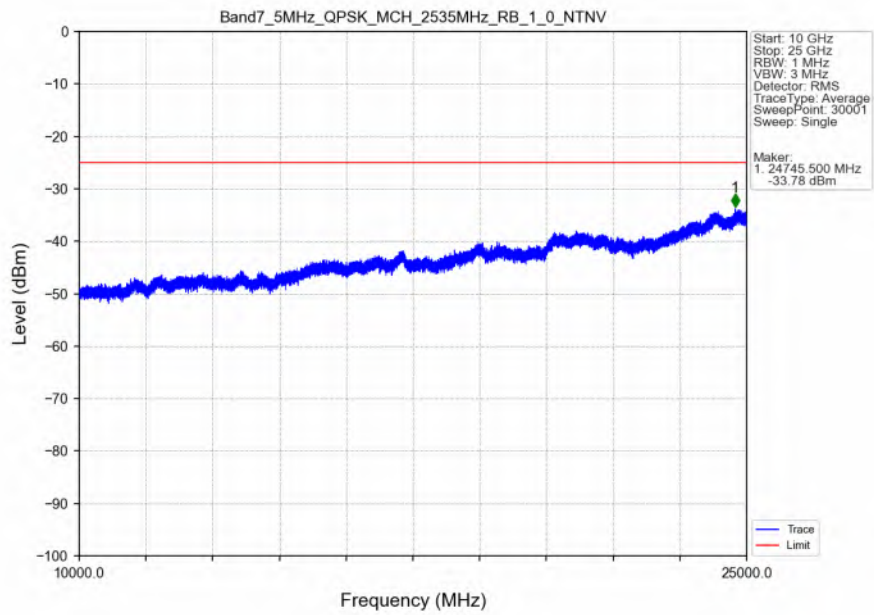


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.920	-45.62	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-28.38	-13	Pass
2496	2499	1	CHP	3	2498.500	-22.17	-10	Pass
2499	2500	0.102	CHP	4	2499.980	-26.91	-10	Pass
2500	2505	0.102	CHP	/	/	/	/	/

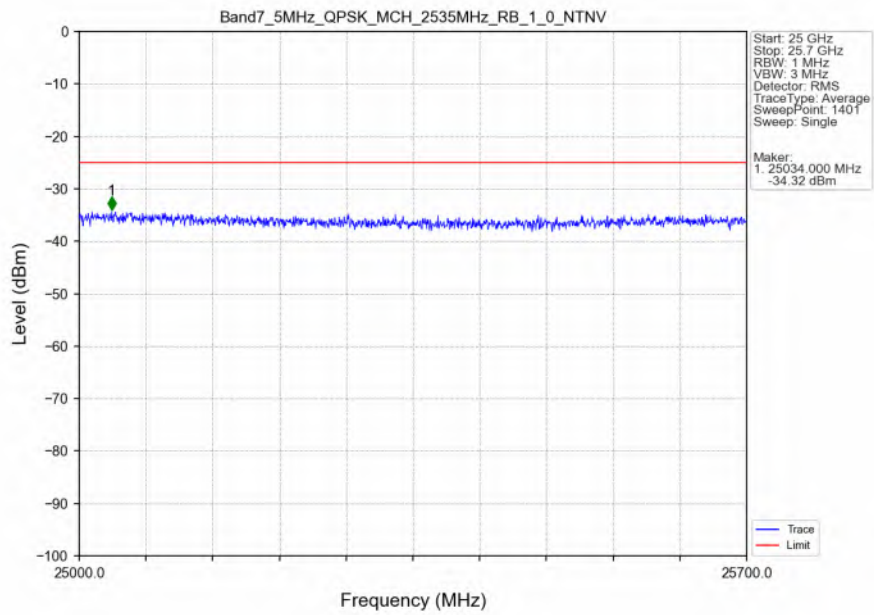
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



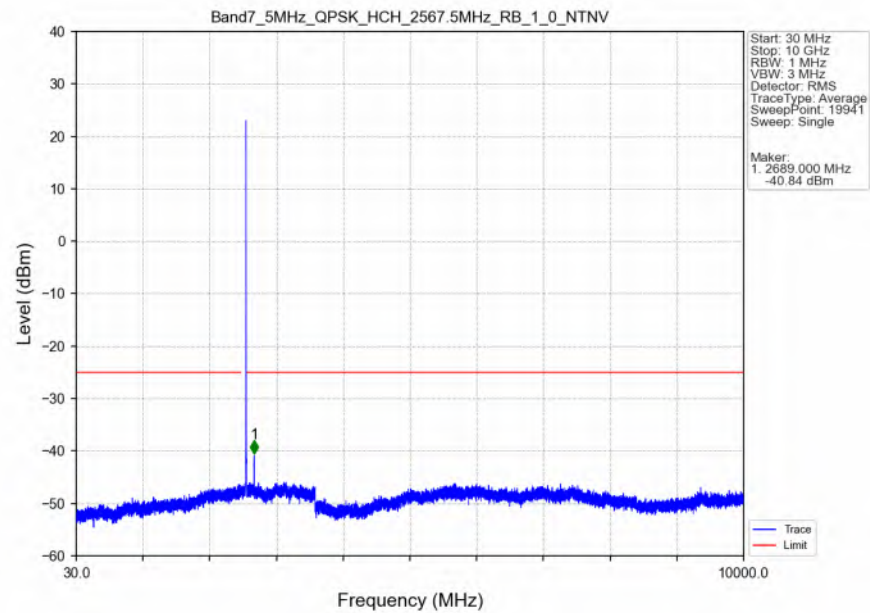
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



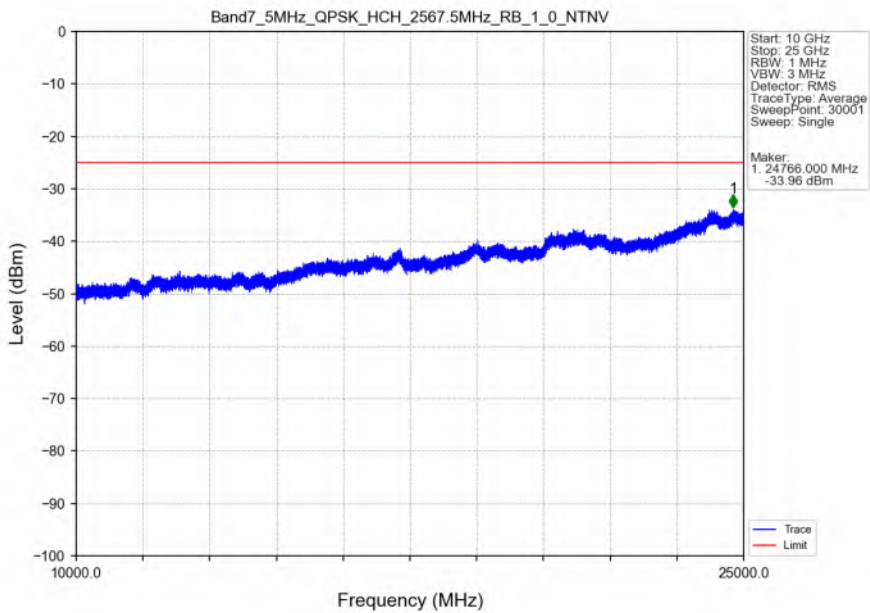
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



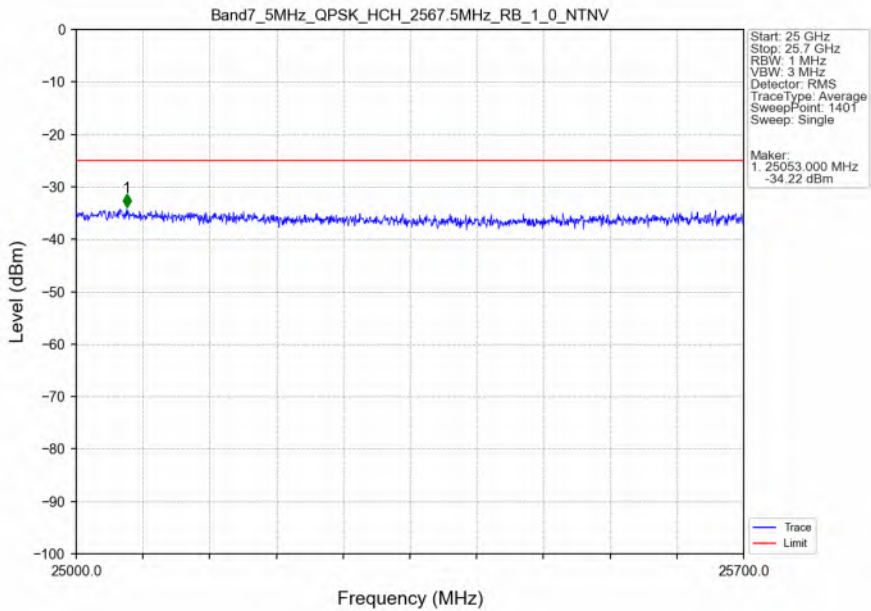
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



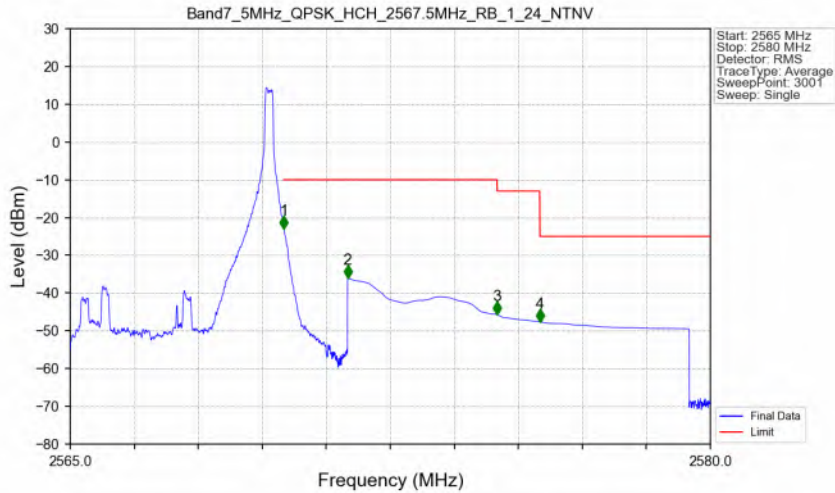
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

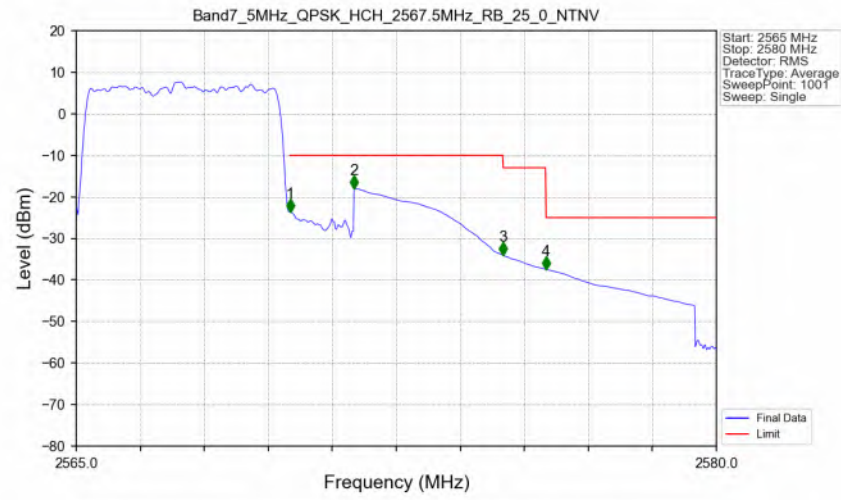


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



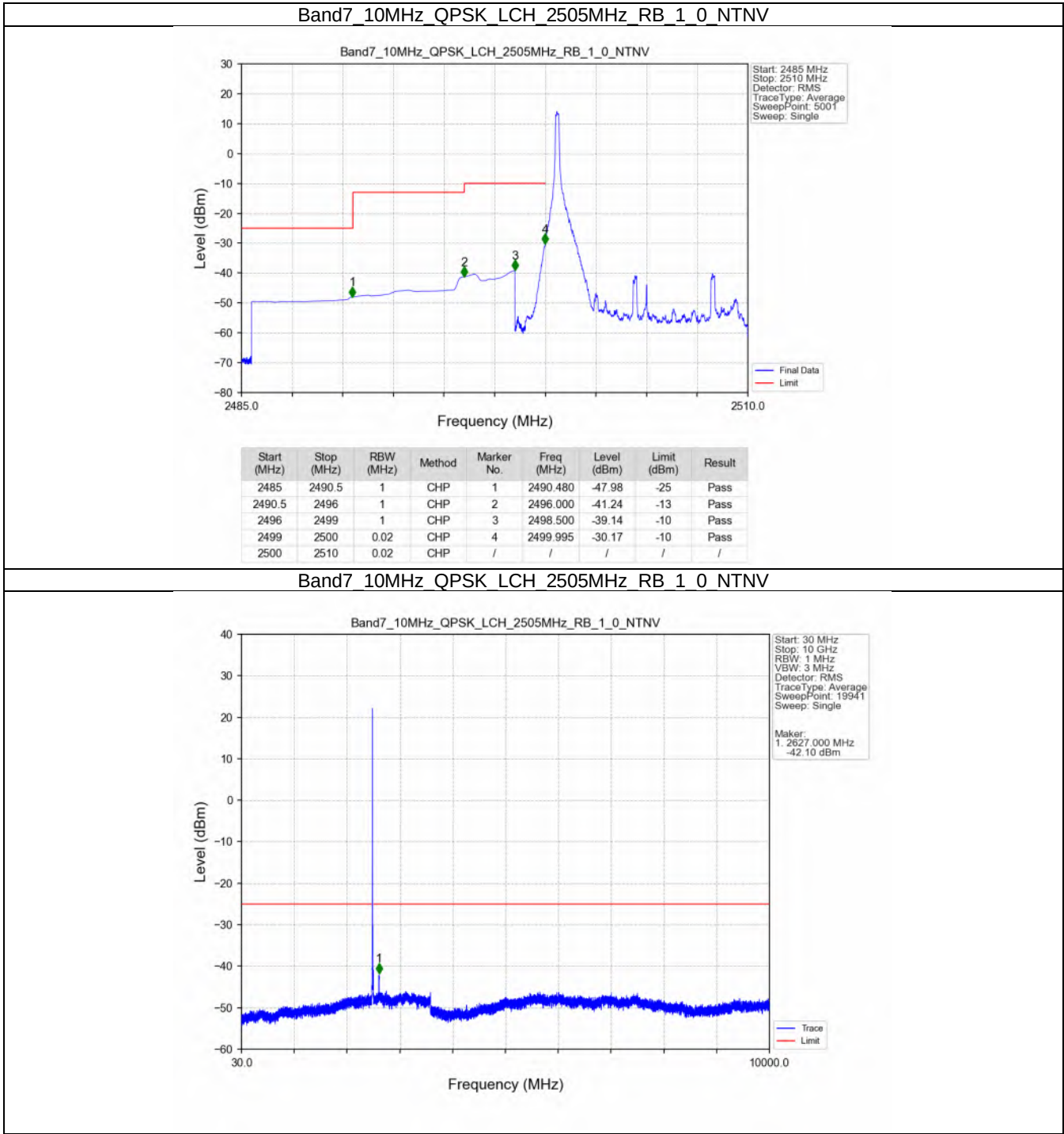
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-22.95	-10	Pass
2571	2575	1	CHP	2	2571.500	-36.12	-10	Pass
2575	2576	1	CHP	3	2575.005	-45.77	-13	Pass
2576	2580	1	CHP	4	2576.005	-47.66	-25	Pass

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

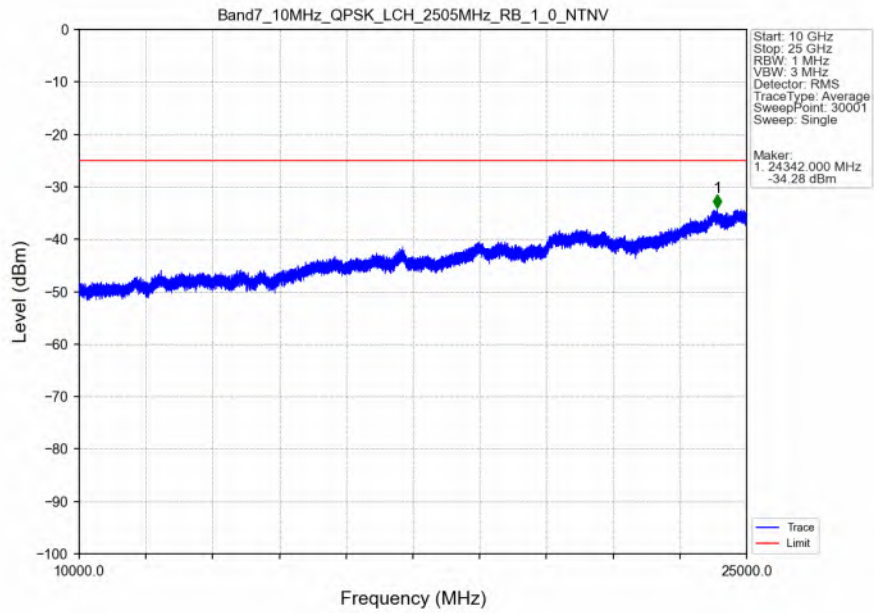


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.102	CHP	/	/	/	/	/
2570	2571	0.102	CHP	1	2570.010	-23.60	-10	Pass
2571	2575	1	CHP	2	2571.510	-17.97	-10	Pass
2575	2576	1	CHP	3	2575.005	-34.12	-13	Pass
2576	2580	1	CHP	4	2576.010	-37.51	-25	Pass

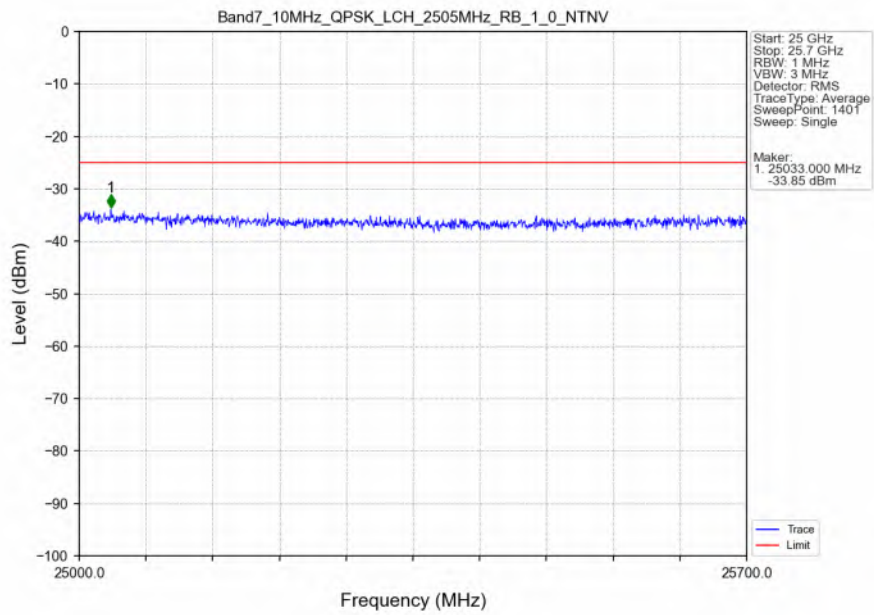
5.2.2 B7_10MHz



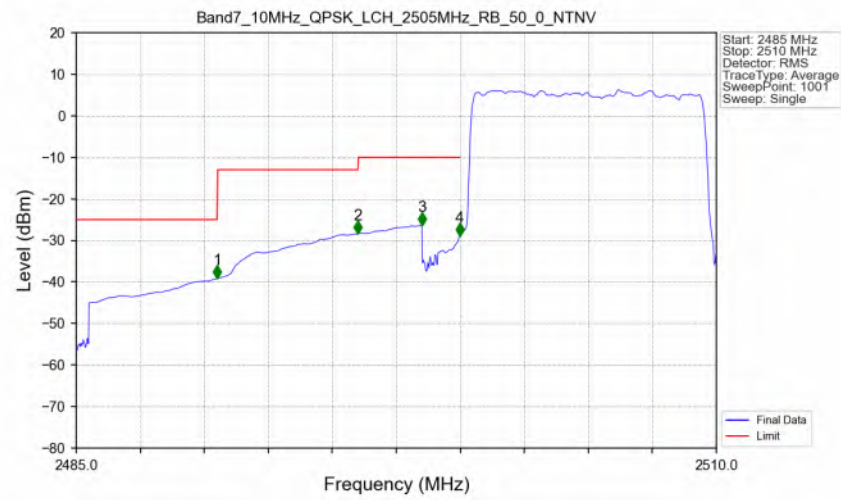
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



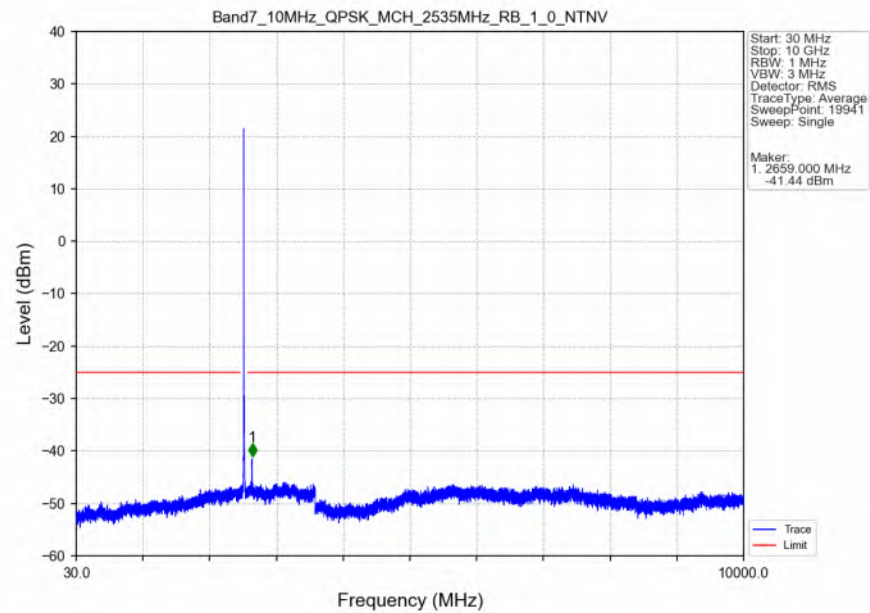
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



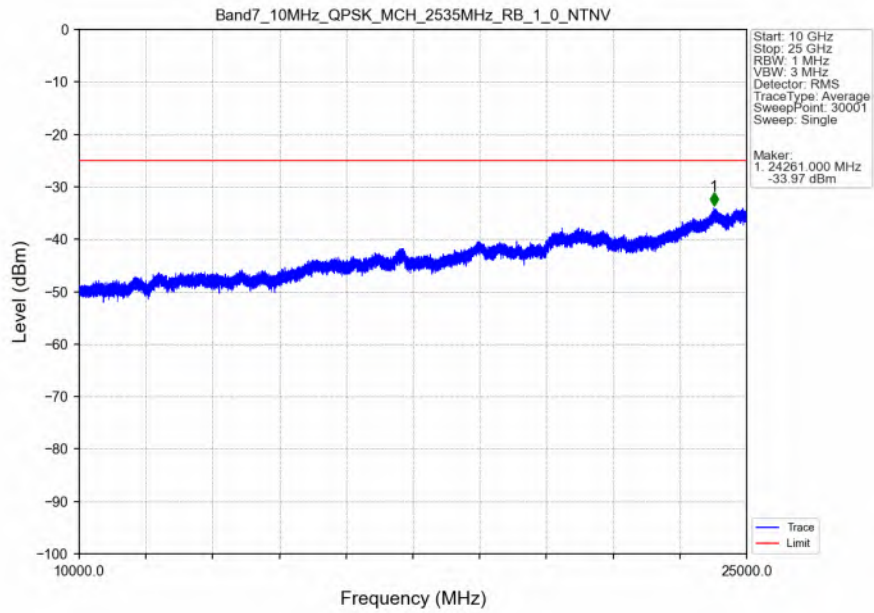
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



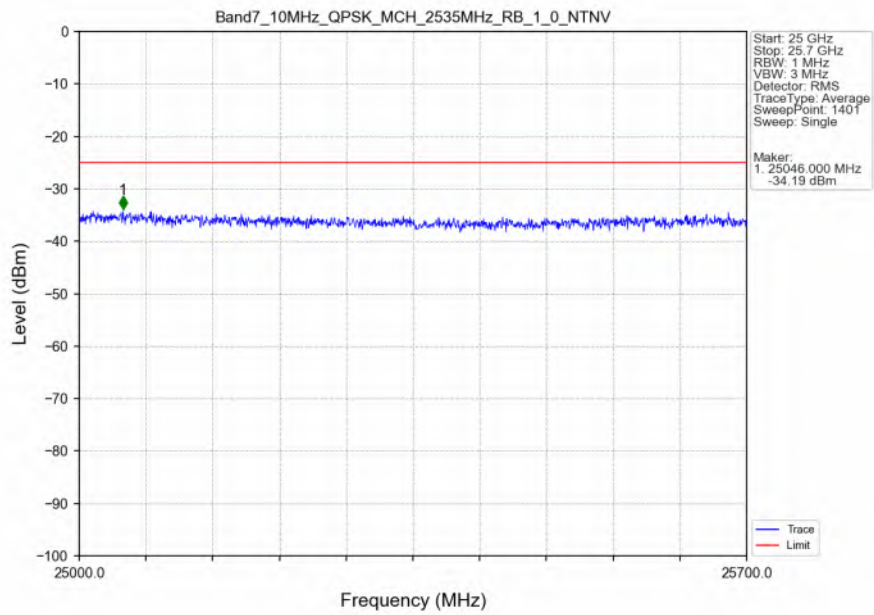
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



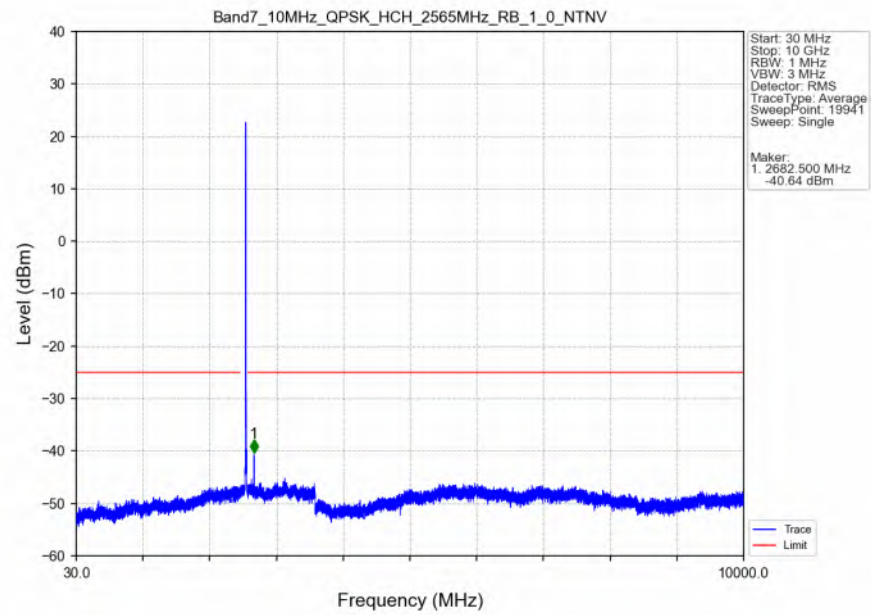
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



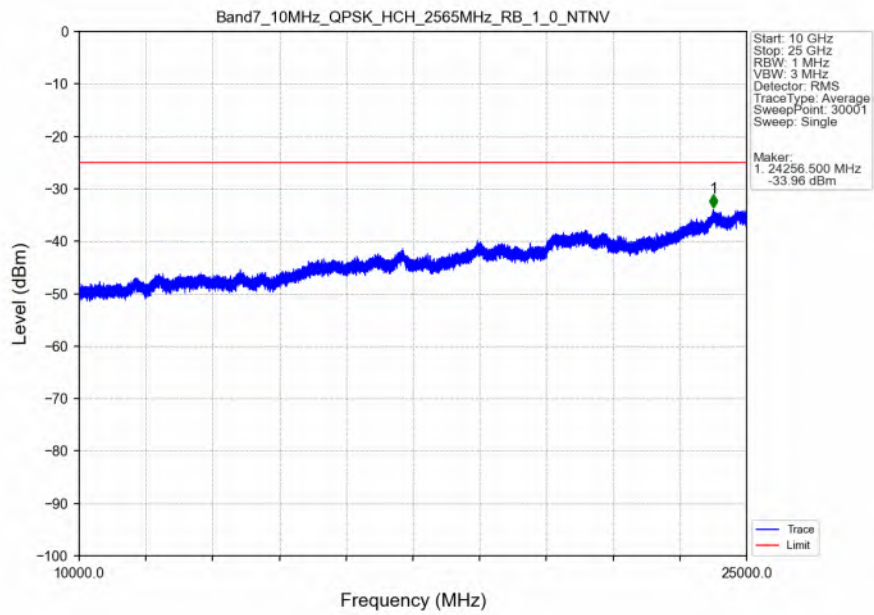
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



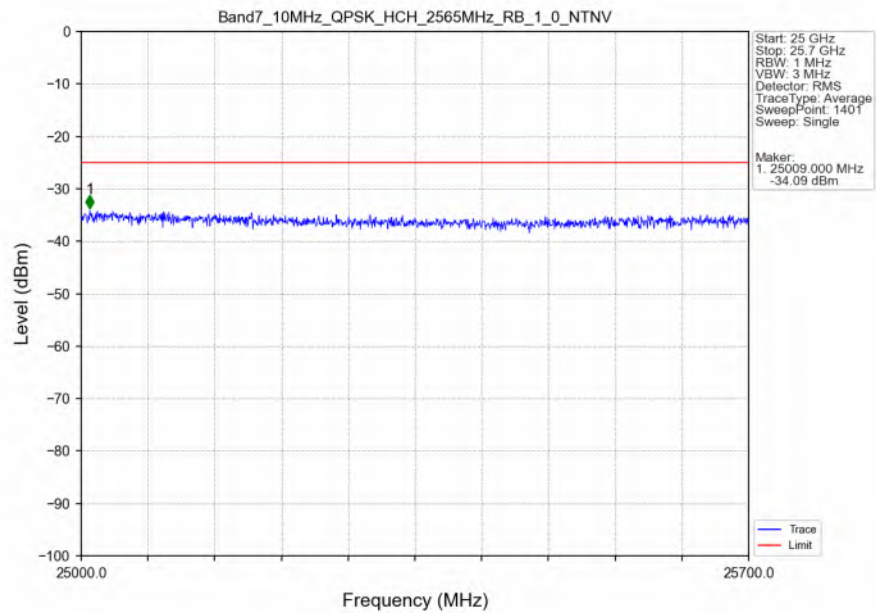
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



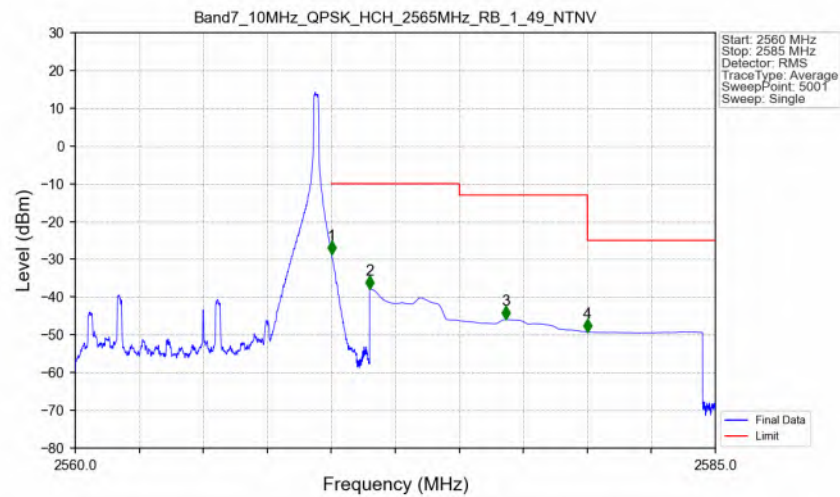
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

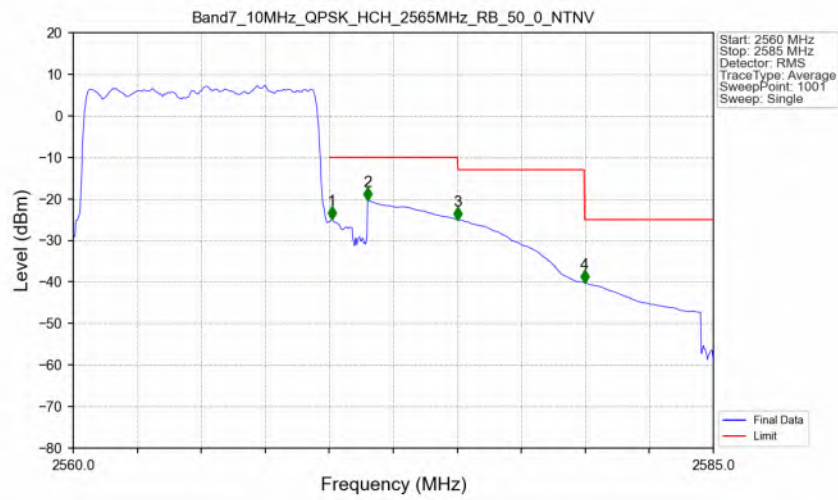


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



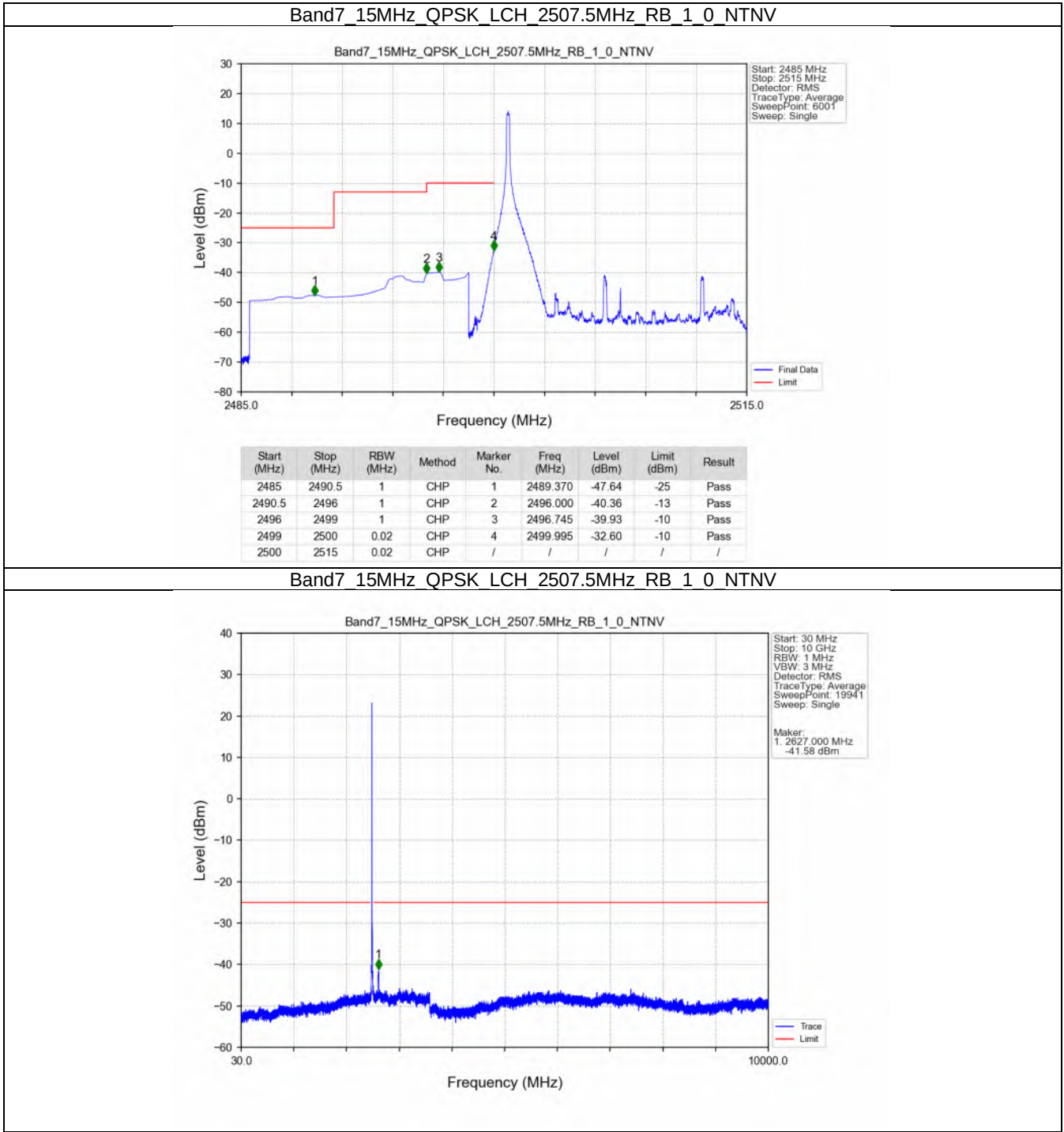
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-28.65	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.78	-10	Pass
2575	2580.004	1	CHP	3	2576.800	-45.97	-13	Pass
2580.004	2585	1	CHP	4	2580.005	-49.22	-25	Pass

Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV

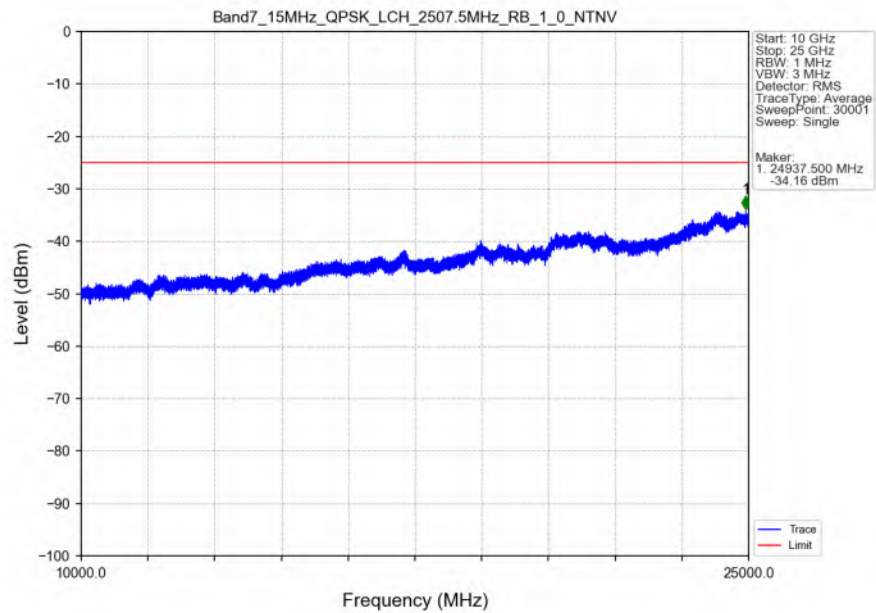


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.199	CHP	/	/	/	/	/
2570	2571	0.199	CHP	1	2570.100	-25.00	-10	Pass
2571	2575	1	CHP	2	2571.500	-20.41	-10	Pass
2575	2579.958	1	CHP	3	2575.025	-25.07	-13	Pass
2579.958	2585	1	CHP	4	2579.975	-40.17	-25	Pass

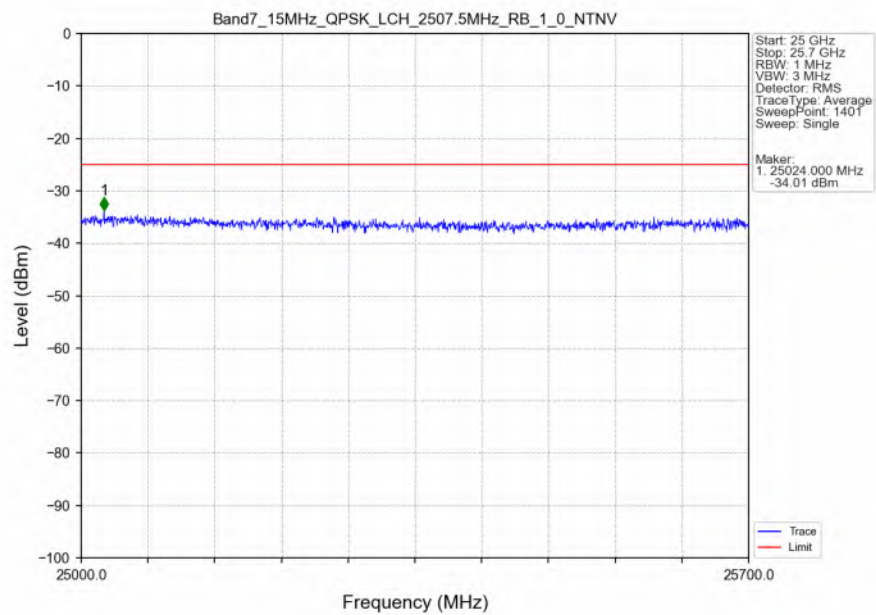
5.2.3 B7_15MHz



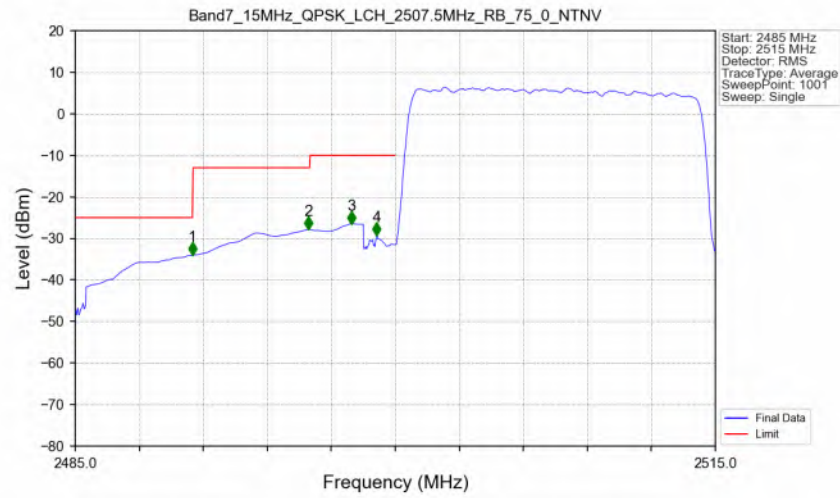
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

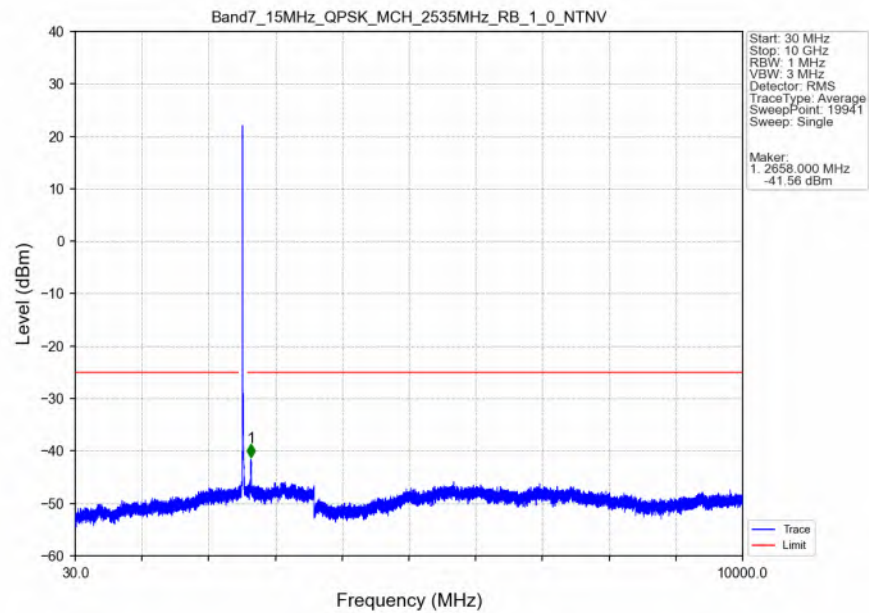


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

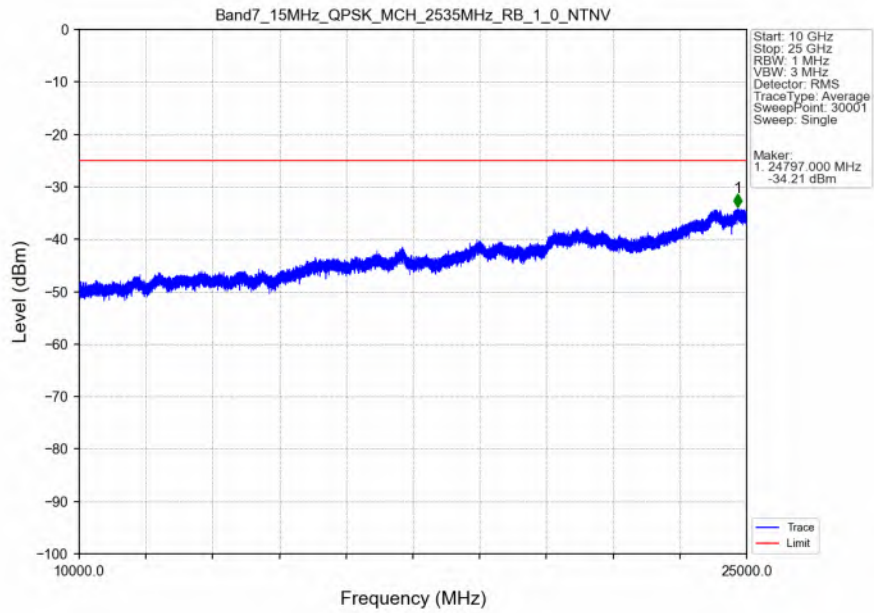


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-34.05	-25	Pass
2490.5	2496	1	CHP	2	2495.920	-27.87	-13	Pass
2496	2499	1	CHP	3	2497.960	-26.50	-10	Pass
2499	2500	0.32	CHP	4	2499.130	-29.24	-10	Pass
2500	2515	0.32	CHP	/	/	/	/	/

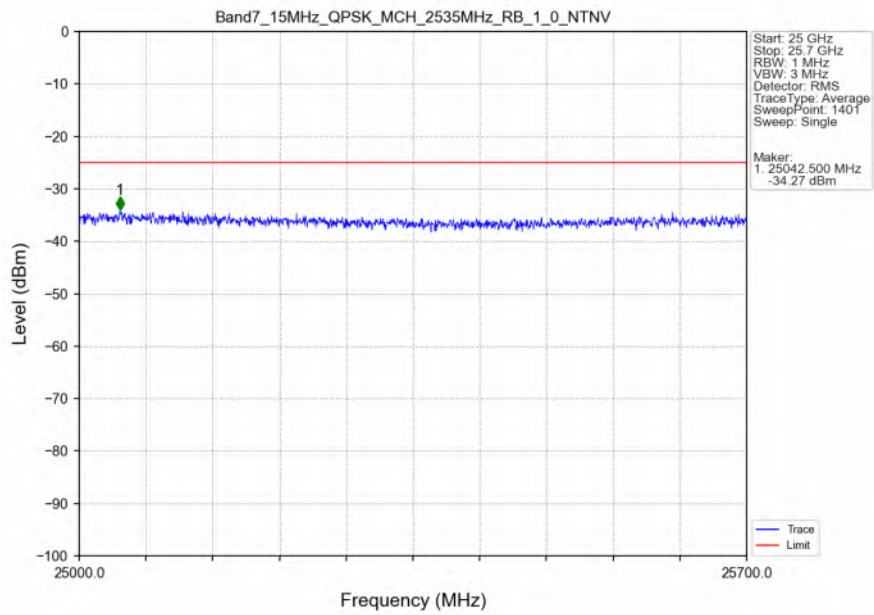
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



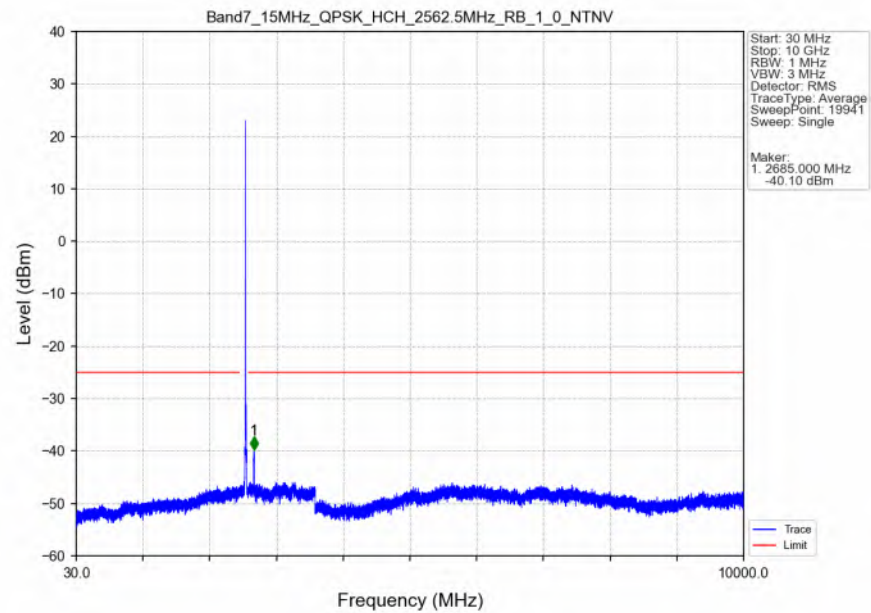
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



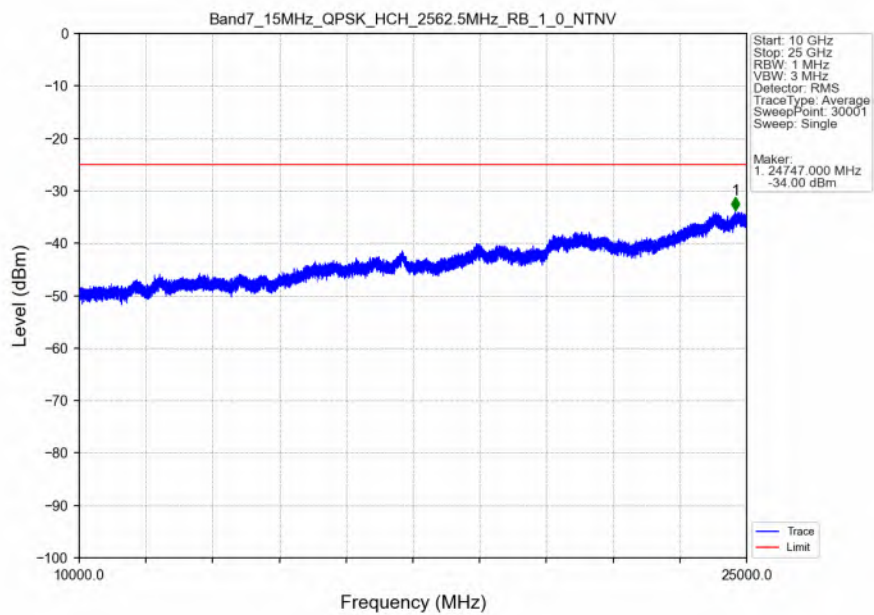
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



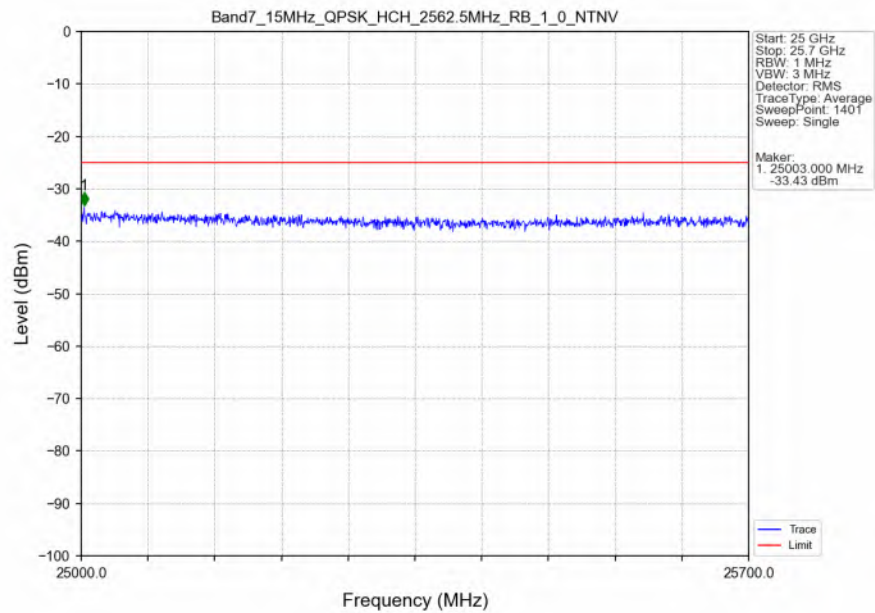
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



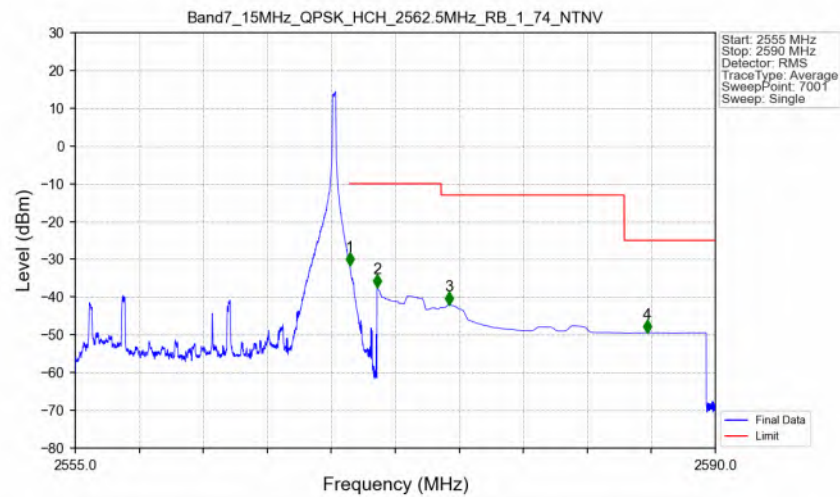
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

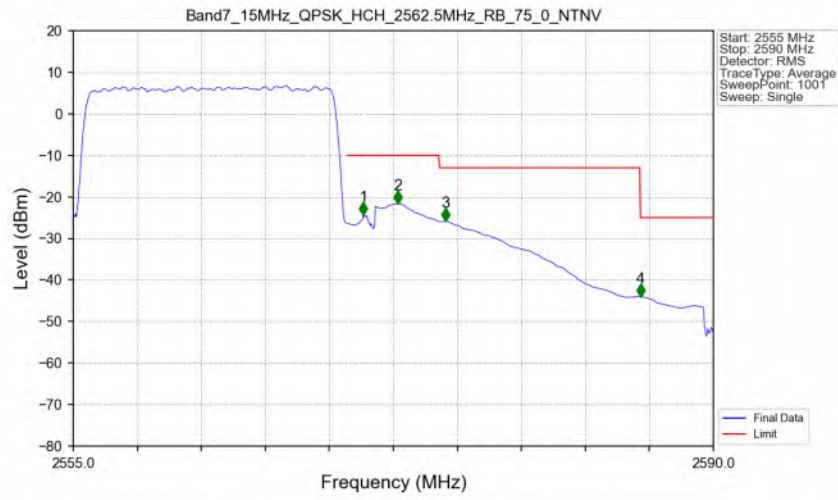


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



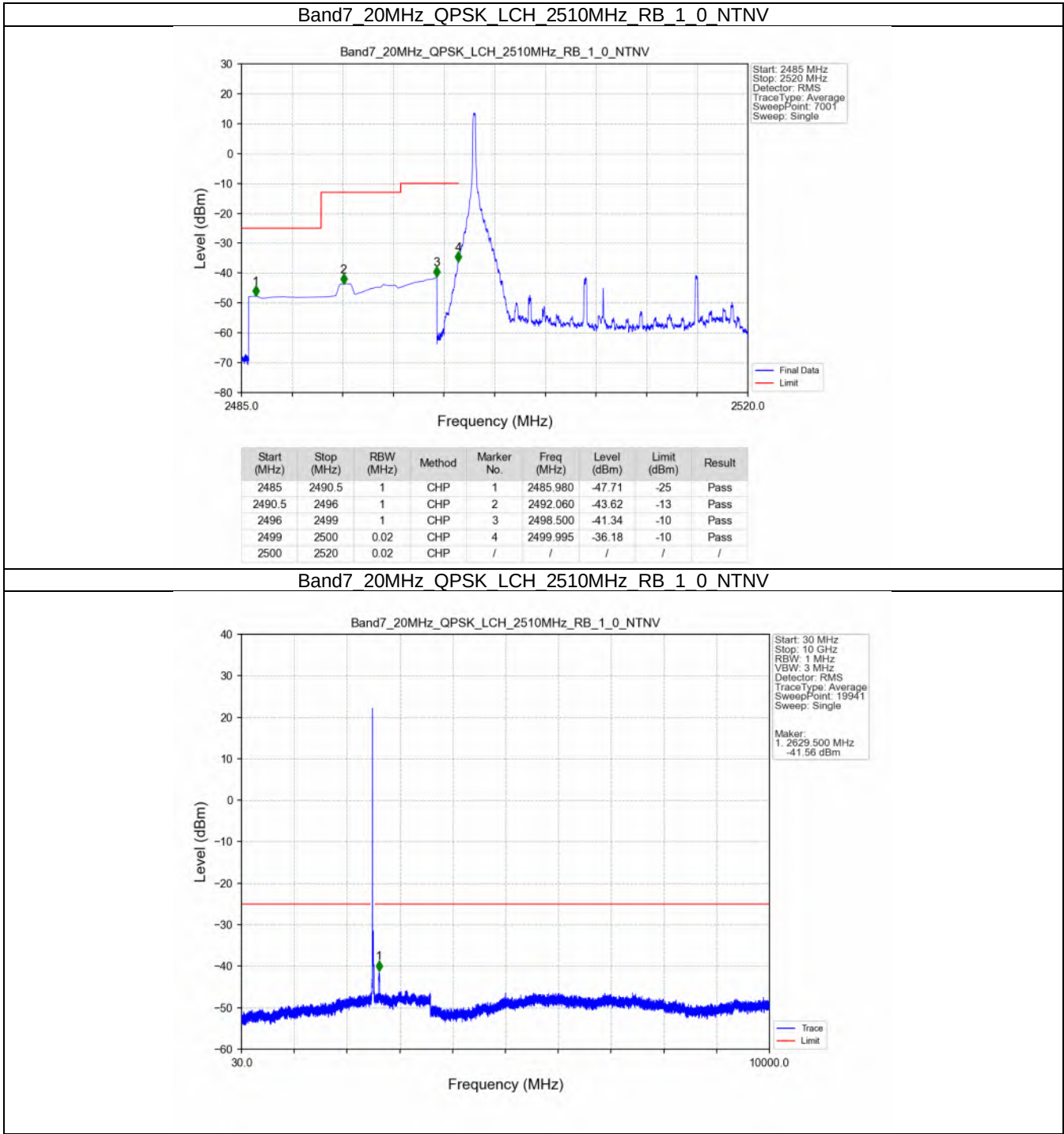
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-31.59	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.54	-10	Pass
2575	2585.019	1	CHP	3	2575.440	-42.15	-13	Pass
2585.019	2590	1	CHP	4	2586.265	-49.41	-25	Pass

Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV

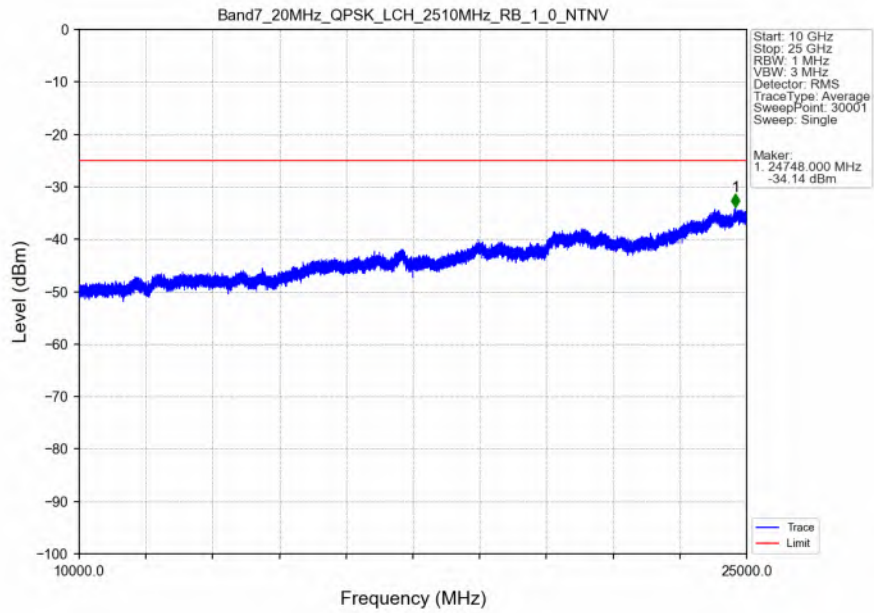


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.32	CHP	/	/	/	/	/
2570	2571	0.32	CHP	1	2570.855	-24.47	-10	Pass
2571	2575	1	CHP	2	2572.745	-21.66	-10	Pass
2575	2586	1	CHP	3	2575.335	-25.81	-13	Pass
2586	2590	1	CHP	4	2586.010	-44.06	-25	Pass

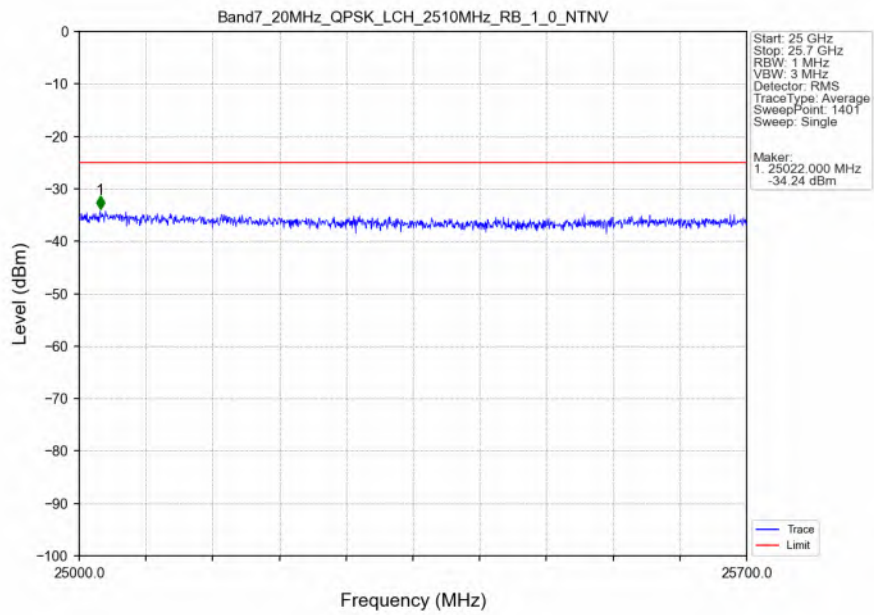
5.2.4 B7_20MHz



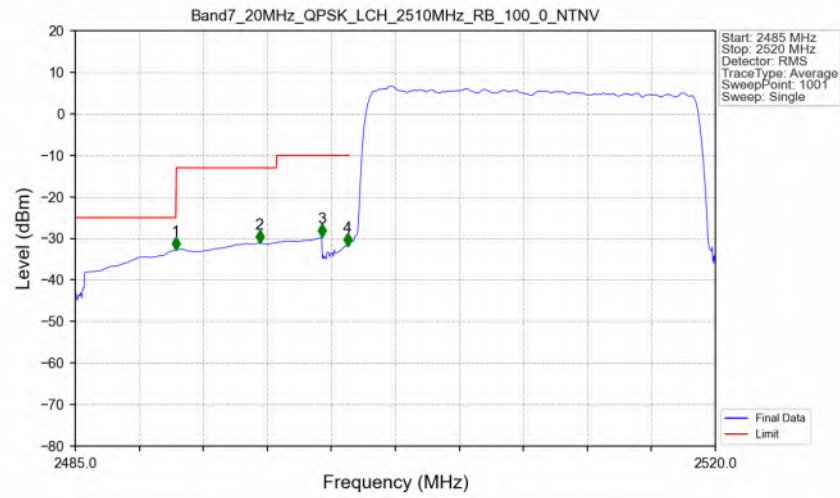
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

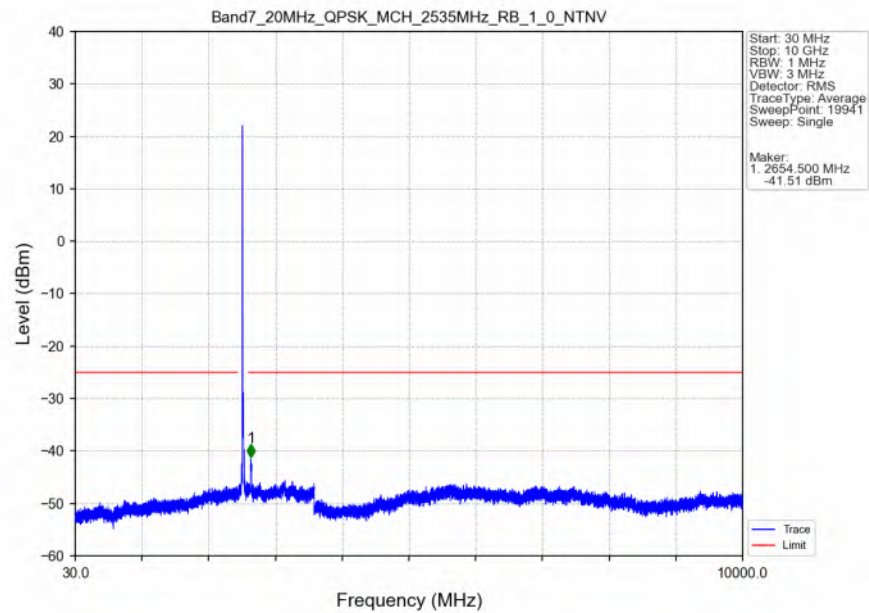


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

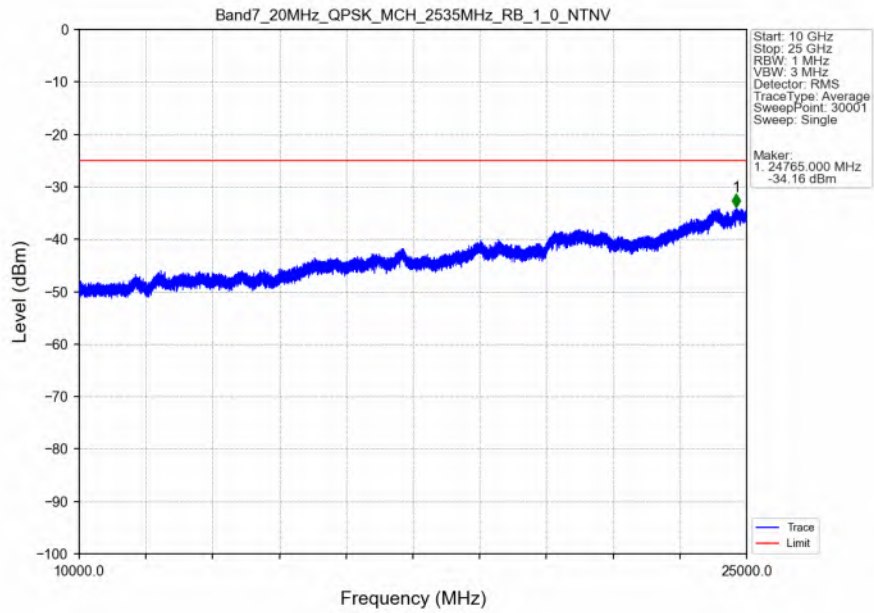


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-32.84	-25	Pass
2490.5	2496	1	CHP	2	2495.080	-31.07	-13	Pass
2496	2499	1	CHP	3	2498.475	-29.73	-10	Pass
2499	2500	0.393	CHP	4	2499.875	-31.78	-10	Pass
2500	2520	0.393	CHP	/	/	/	/	/

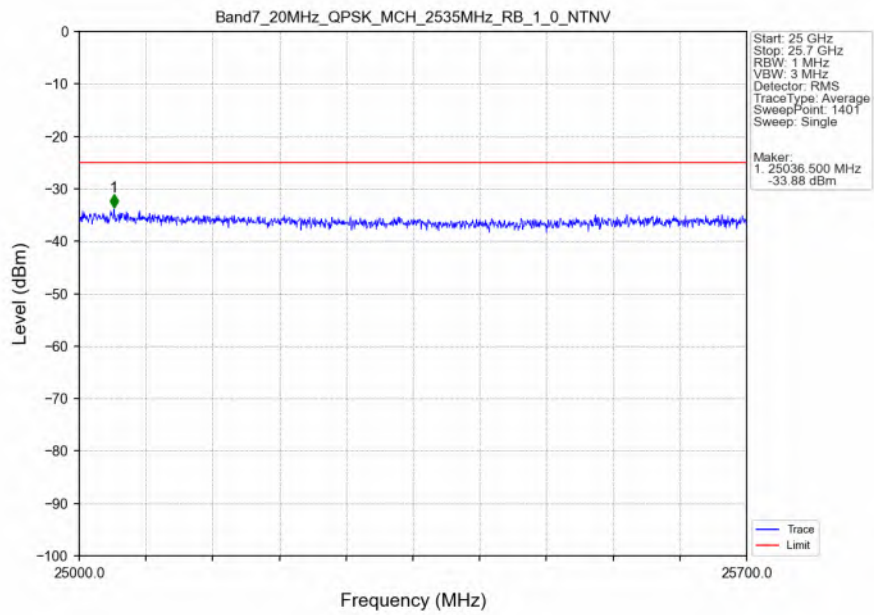
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



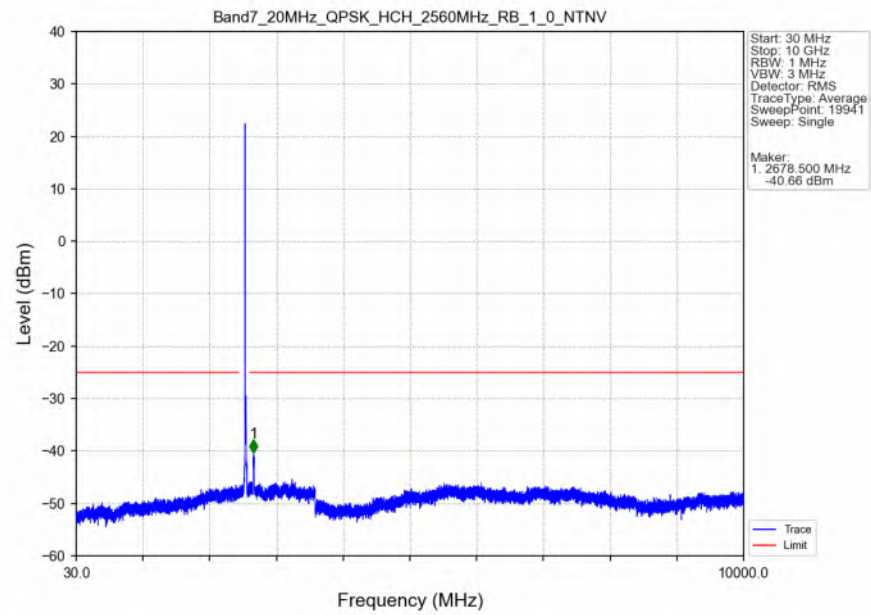
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



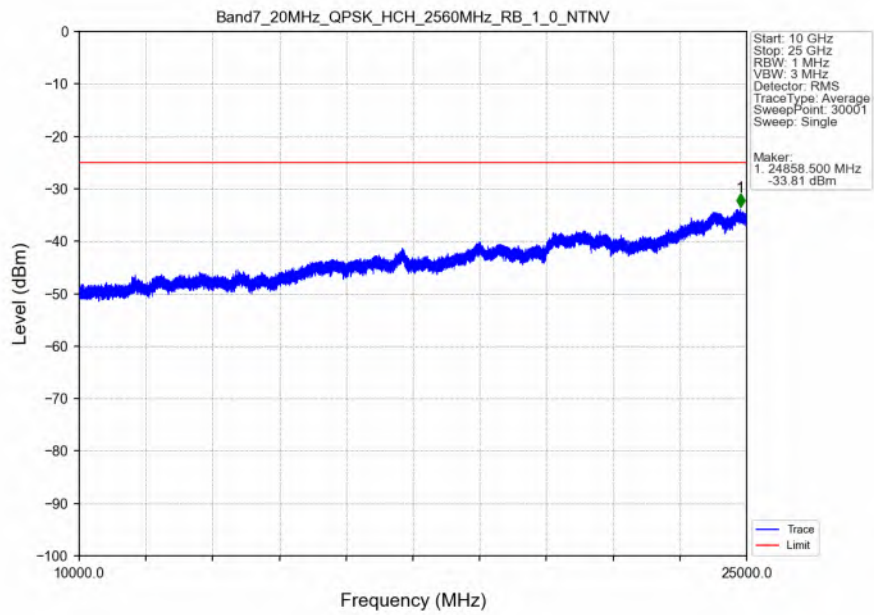
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



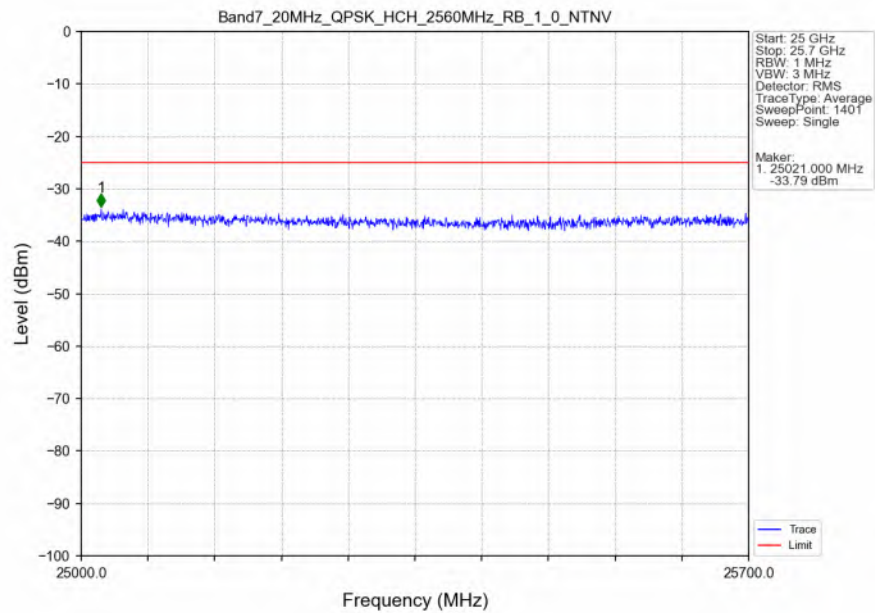
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



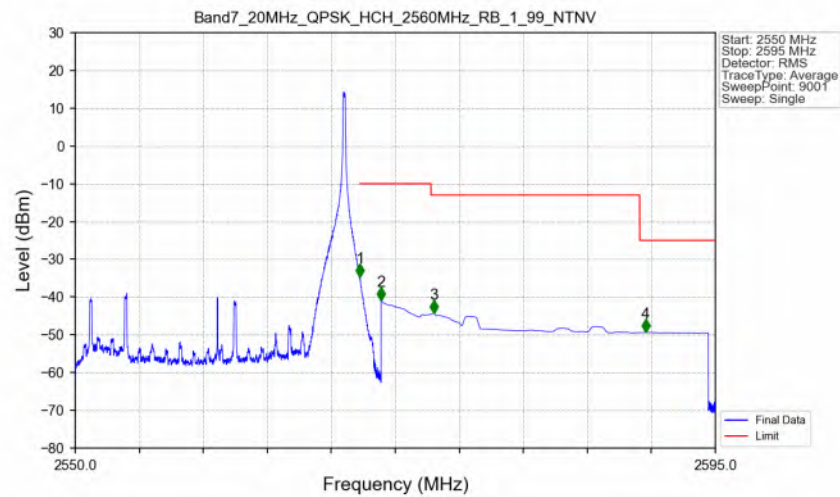
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

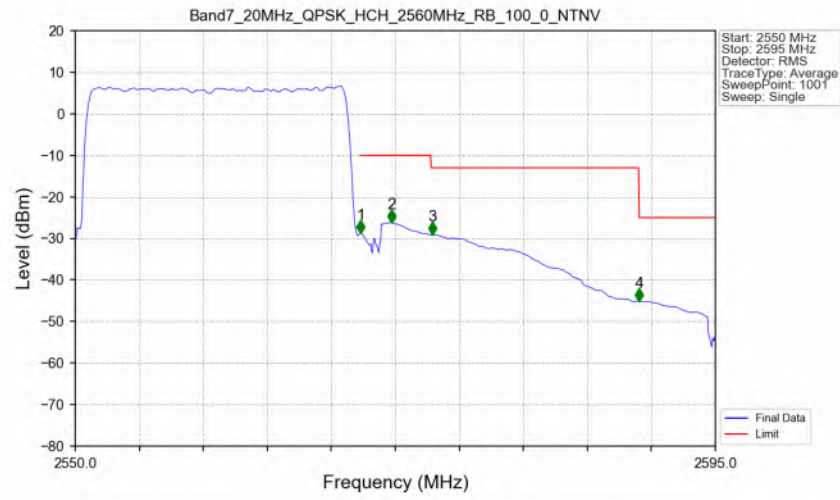


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



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	-34.57	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.85	-10	Pass
2575	2589.678	1	CHP	3	2575.190	-44.26	-13	Pass
2589.678	2595	1	CHP	4	2590.105	-49.33	-25	Pass

Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.393	CHP	/	/	/	/	/
2570	2571	0.393	CHP	1	2570.070	-28.82	-10	Pass
2571	2575	1	CHP	2	2572.230	-26.19	-10	Pass
2575	2589.64	1	CHP	3	2575.110	-29.13	-13	Pass
2589.64	2595	1	CHP	4	2589.645	-45.20	-25	Pass