

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	24.21	-5.07	16.99	<=34.77	Pass
			13	24.27	-5.07	17.05	<=34.77	Pass
			24	24.35	-5.07	17.13	<=34.77	Pass
		12	0	23.28	-5.07	16.06	<=34.77	Pass
			6	23.29	-5.07	16.07	<=34.77	Pass
			13	23.32	-5.07	16.10	<=34.77	Pass
		25	0	23.35	-5.07	16.13	<=34.77	Pass
	680.5	1	0	24.36	-5.07	17.14	<=34.77	Pass
			13	24.24	-5.07	17.02	<=34.77	Pass
			24	24.22	-5.07	17.00	<=34.77	Pass
		12	0	23.41	-5.07	16.19	<=34.77	Pass
			6	23.37	-5.07	16.15	<=34.77	Pass
			13	23.31	-5.07	16.09	<=34.77	Pass
		25	0	23.42	-5.07	16.20	<=34.77	Pass
	695.5	1	0	24.16	-5.07	16.94	<=34.77	Pass
			13	24.08	-5.07	16.86	<=34.77	Pass
			24	24.06	-5.07	16.84	<=34.77	Pass
		12	0	23.15	-5.07	15.93	<=34.77	Pass
			6	23.10	-5.07	15.88	<=34.77	Pass
			13	23.14	-5.07	15.92	<=34.77	Pass
		25	0	23.19	-5.07	15.97	<=34.77	Pass
16QAM	665.5	1	0	23.15	-5.07	15.93	<=34.77	Pass
			13	23.13	-5.07	15.91	<=34.77	Pass
			24	23.22	-5.07	16.00	<=34.77	Pass
		12	0	22.33	-5.07	15.11	<=34.77	Pass
			6	22.31	-5.07	15.09	<=34.77	Pass
			13	22.35	-5.07	15.13	<=34.77	Pass
		25	0	22.35	-5.07	15.13	<=34.77	Pass
	680.5	1	0	23.72	-5.07	16.50	<=34.77	Pass
			13	23.67	-5.07	16.45	<=34.77	Pass
			24	23.59	-5.07	16.37	<=34.77	Pass
		12	0	22.46	-5.07	15.24	<=34.77	Pass
			6	22.43	-5.07	15.21	<=34.77	Pass
			13	22.36	-5.07	15.14	<=34.77	Pass
		25	0	22.40	-5.07	15.18	<=34.77	Pass
	695.5	1	0	23.27	-5.07	16.05	<=34.77	Pass
			13	23.21	-5.07	15.99	<=34.77	Pass
			24	23.18	-5.07	15.96	<=34.77	Pass
		12	0	22.17	-5.07	14.95	<=34.77	Pass
			6	22.14	-5.07	14.92	<=34.77	Pass
			13	22.13	-5.07	14.91	<=34.77	Pass
		25	0	22.18	-5.07	14.96	<=34.77	Pass
64QAM	665.5	1	0	22.15	-5.07	14.93	<=34.77	Pass
			13	22.18	-5.07	14.96	<=34.77	Pass
			24	22.27	-5.07	15.05	<=34.77	Pass
		12	0	21.30	-5.07	14.08	<=34.77	Pass
			6	21.30	-5.07	14.08	<=34.77	Pass
			13	21.32	-5.07	14.10	<=34.77	Pass
		25	0	21.29	-5.07	14.07	<=34.77	Pass

	680.5	1	0	22.81	-5.07	15.59	<=34.77	Pass
			13	22.76	-5.07	15.54	<=34.77	Pass
			24	22.70	-5.07	15.48	<=34.77	Pass
		12	0	21.35	-5.07	14.13	<=34.77	Pass
			6	21.32	-5.07	14.10	<=34.77	Pass
			13	21.25	-5.07	14.03	<=34.77	Pass
		25	0	21.33	-5.07	14.11	<=34.77	Pass
	695.5	1	0	22.41	-5.07	15.19	<=34.77	Pass
			13	22.33	-5.07	15.11	<=34.77	Pass
			24	22.38	-5.07	15.16	<=34.77	Pass
		12	0	21.23	-5.07	14.01	<=34.77	Pass
			6	21.19	-5.07	13.97	<=34.77	Pass
			13	21.19	-5.07	13.97	<=34.77	Pass
		25	0	21.20	-5.07	13.98	<=34.77	Pass
256QAM	665.5	1	0	19.01	-5.07	11.79	<=34.77	Pass
			13	19.01	-5.07	11.79	<=34.77	Pass
			24	19.08	-5.07	11.86	<=34.77	Pass
		12	0	19.27	-5.07	12.05	<=34.77	Pass
			6	19.29	-5.07	12.07	<=34.77	Pass
			13	19.32	-5.07	12.10	<=34.77	Pass
		25	0	19.34	-5.07	12.12	<=34.77	Pass
	680.5	1	0	19.63	-5.07	12.41	<=34.77	Pass
			13	19.54	-5.07	12.32	<=34.77	Pass
			24	19.49	-5.07	12.27	<=34.77	Pass
		12	0	19.44	-5.07	12.22	<=34.77	Pass
			6	19.38	-5.07	12.16	<=34.77	Pass
			13	19.35	-5.07	12.13	<=34.77	Pass
		25	0	19.36	-5.07	12.14	<=34.77	Pass
	695.5	1	0	19.18	-5.07	11.96	<=34.77	Pass
			13	19.15	-5.07	11.93	<=34.77	Pass
			24	19.13	-5.07	11.91	<=34.77	Pass
		12	0	19.19	-5.07	11.97	<=34.77	Pass
			6	19.14	-5.07	11.92	<=34.77	Pass
			13	19.12	-5.07	11.90	<=34.77	Pass
		25	0	19.17	-5.07	11.95	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	24.22	-5.07	17.00	<=34.77	Pass
			25	24.30	-5.07	17.08	<=34.77	Pass
			49	24.41	-5.07	17.19	<=34.77	Pass
		25	0	23.36	-5.07	16.14	<=34.77	Pass
			13	23.39	-5.07	16.17	<=34.77	Pass
			25	23.44	-5.07	16.22	<=34.77	Pass
		50	0	23.40	-5.07	16.18	<=34.77	Pass
	680.5	1	0	24.34	-5.07	17.12	<=34.77	Pass
			25	24.27	-5.07	17.05	<=34.77	Pass
			49	24.20	-5.07	16.98	<=34.77	Pass
		25	0	23.53	-5.07	16.31	<=34.77	Pass
			13	23.42	-5.07	16.20	<=34.77	Pass
			25	23.38	-5.07	16.16	<=34.77	Pass
		50	0	23.47	-5.07	16.25	<=34.77	Pass
	693	1	0	24.19	-5.07	16.97	<=34.77	Pass

		25	25	24.02	-5.07	16.80	<=34.77	Pass
			49	24.04	-5.07	16.82	<=34.77	Pass
			0	23.28	-5.07	16.06	<=34.77	Pass
			13	23.15	-5.07	15.93	<=34.77	Pass
			25	23.10	-5.07	15.88	<=34.77	Pass
		50	0	23.19	-5.07	15.97	<=34.77	Pass
16QAM	668	1	0	23.77	-5.07	16.55	<=34.77	Pass
			25	23.88	-5.07	16.66	<=34.77	Pass
			49	23.92	-5.07	16.70	<=34.77	Pass
		25	0	22.41	-5.07	15.19	<=34.77	Pass
			13	22.46	-5.07	15.24	<=34.77	Pass
			25	22.50	-5.07	15.28	<=34.77	Pass
		50	0	22.41	-5.07	15.19	<=34.77	Pass
	680.5	1	0	23.63	-5.07	16.41	<=34.77	Pass
			25	23.56	-5.07	16.34	<=34.77	Pass
			49	23.47	-5.07	16.25	<=34.77	Pass
		25	0	22.53	-5.07	15.31	<=34.77	Pass
			13	22.42	-5.07	15.20	<=34.77	Pass
			25	22.37	-5.07	15.15	<=34.77	Pass
		50	0	22.46	-5.07	15.24	<=34.77	Pass
	693	1	0	23.29	-5.07	16.07	<=34.77	Pass
			25	23.13	-5.07	15.91	<=34.77	Pass
			49	23.08	-5.07	15.86	<=34.77	Pass
		25	0	22.36	-5.07	15.14	<=34.77	Pass
			13	22.22	-5.07	15.00	<=34.77	Pass
			25	22.16	-5.07	14.94	<=34.77	Pass
		50	0	22.18	-5.07	14.96	<=34.77	Pass
64QAM	668	1	0	22.58	-5.07	15.36	<=34.77	Pass
			25	22.61	-5.07	15.39	<=34.77	Pass
			49	22.67	-5.07	15.45	<=34.77	Pass
		25	0	21.38	-5.07	14.16	<=34.77	Pass
			13	21.39	-5.07	14.17	<=34.77	Pass
			25	21.45	-5.07	14.23	<=34.77	Pass
		50	0	21.40	-5.07	14.18	<=34.77	Pass
	680.5	1	0	22.67	-5.07	15.45	<=34.77	Pass
			25	22.57	-5.07	15.35	<=34.77	Pass
			49	22.49	-5.07	15.27	<=34.77	Pass
		25	0	21.58	-5.07	14.36	<=34.77	Pass
			13	21.46	-5.07	14.24	<=34.77	Pass
			25	21.39	-5.07	14.17	<=34.77	Pass
		50	0	21.47	-5.07	14.25	<=34.77	Pass
	693	1	0	22.46	-5.07	15.24	<=34.77	Pass
			25	22.27	-5.07	15.05	<=34.77	Pass
			49	22.28	-5.07	15.06	<=34.77	Pass
		25	0	21.32	-5.07	14.10	<=34.77	Pass
			13	21.17	-5.07	13.95	<=34.77	Pass
			25	21.10	-5.07	13.88	<=34.77	Pass
		50	0	21.15	-5.07	13.93	<=34.77	Pass
256QAM	668	1	0	19.73	-5.07	12.51	<=34.77	Pass
			25	19.78	-5.07	12.56	<=34.77	Pass
			49	19.86	-5.07	12.64	<=34.77	Pass
		25	0	19.42	-5.07	12.20	<=34.77	Pass
			13	19.41	-5.07	12.19	<=34.77	Pass
			25	19.46	-5.07	12.24	<=34.77	Pass
		50	0	19.44	-5.07	12.22	<=34.77	Pass
	680.5	1	0	19.25	-5.07	12.03	<=34.77	Pass
			25	19.19	-5.07	11.97	<=34.77	Pass
			49	19.09	-5.07	11.87	<=34.77	Pass
		25	0	19.56	-5.07	12.34	<=34.77	Pass

			13	19.43	-5.07	12.21	<=34.77	Pass
			25	19.40	-5.07	12.18	<=34.77	Pass
		50	0	19.44	-5.07	12.22	<=34.77	Pass
	693	1	0	19.37	-5.07	12.15	<=34.77	Pass
			25	19.17	-5.07	11.95	<=34.77	Pass
			49	19.18	-5.07	11.96	<=34.77	Pass
		25	0	19.31	-5.07	12.09	<=34.77	Pass
			13	19.20	-5.07	11.98	<=34.77	Pass
			25	19.13	-5.07	11.91	<=34.77	Pass
		50	0	19.17	-5.07	11.95	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B71_15MHz_ERP

Band: 71 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	24.27	-5.07	17.05	<=34.77	Pass
			38	24.39	-5.07	17.17	<=34.77	Pass
			74	24.39	-5.07	17.17	<=34.77	Pass
		36	0	23.33	-5.07	16.11	<=34.77	Pass
			18	23.38	-5.07	16.16	<=34.77	Pass
			39	23.44	-5.07	16.22	<=34.77	Pass
		75	0	23.40	-5.07	16.18	<=34.77	Pass
	680.5	1	0	24.39	-5.07	17.17	<=34.77	Pass
			38	24.34	-5.07	17.12	<=34.77	Pass
			74	24.14	-5.07	16.92	<=34.77	Pass
		36	0	23.51	-5.07	16.29	<=34.77	Pass
			18	23.41	-5.07	16.19	<=34.77	Pass
			39	23.34	-5.07	16.12	<=34.77	Pass
		75	0	23.45	-5.07	16.23	<=34.77	Pass
	690.5	1	0	24.27	-5.07	17.05	<=34.77	Pass
			38	24.15	-5.07	16.93	<=34.77	Pass
			74	24.06	-5.07	16.84	<=34.77	Pass
		36	0	23.30	-5.07	16.08	<=34.77	Pass
			18	23.25	-5.07	16.03	<=34.77	Pass
			39	23.13	-5.07	15.91	<=34.77	Pass
		75	0	23.25	-5.07	16.03	<=34.77	Pass
16QAM	670.5	1	0	23.77	-5.07	16.55	<=34.77	Pass
			38	23.92	-5.07	16.70	<=34.77	Pass
			74	23.96	-5.07	16.74	<=34.77	Pass
		36	0	22.38	-5.07	15.16	<=34.77	Pass
			18	22.42	-5.07	15.20	<=34.77	Pass
			39	22.46	-5.07	15.24	<=34.77	Pass
		75	0	22.45	-5.07	15.23	<=34.77	Pass
	680.5	1	0	23.65	-5.07	16.43	<=34.77	Pass
			38	23.63	-5.07	16.41	<=34.77	Pass
			74	23.49	-5.07	16.27	<=34.77	Pass
		36	0	22.57	-5.07	15.35	<=34.77	Pass
			18	22.49	-5.07	15.27	<=34.77	Pass
			39	22.36	-5.07	15.14	<=34.77	Pass
		75	0	22.50	-5.07	15.28	<=34.77	Pass
	690.5	1	0	23.72	-5.07	16.50	<=34.77	Pass
			38	23.57	-5.07	16.35	<=34.77	Pass
			74	23.48	-5.07	16.26	<=34.77	Pass
		36	0	22.32	-5.07	15.10	<=34.77	Pass
			18	22.26	-5.07	15.04	<=34.77	Pass

			39	22.13	-5.07	14.91	<=34.77	Pass	
		75	0	22.26	-5.07	15.04	<=34.77	Pass	
64QAM	670.5	1	0	22.66	-5.07	15.44	<=34.77	Pass	
			38	22.69	-5.07	15.47	<=34.77	Pass	
			74	22.76	-5.07	15.54	<=34.77	Pass	
			0	21.37	-5.07	14.15	<=34.77	Pass	
		36	18	21.44	-5.07	14.22	<=34.77	Pass	
			39	21.49	-5.07	14.27	<=34.77	Pass	
			75	0	21.46	-5.07	14.24	<=34.77	Pass
		680.5	1	0	22.69	-5.07	15.47	<=34.77	Pass
				38	22.66	-5.07	15.44	<=34.77	Pass
				74	22.50	-5.07	15.28	<=34.77	Pass
	0			21.61	-5.07	14.39	<=34.77	Pass	
	36		18	21.50	-5.07	14.28	<=34.77	Pass	
			39	21.42	-5.07	14.20	<=34.77	Pass	
			75	0	21.48	-5.07	14.26	<=34.77	Pass
	690.5		1	0	22.96	-5.07	15.74	<=34.77	Pass
		38		22.82	-5.07	15.60	<=34.77	Pass	
		74		22.67	-5.07	15.45	<=34.77	Pass	
		0		21.33	-5.07	14.11	<=34.77	Pass	
		36	18	21.27	-5.07	14.05	<=34.77	Pass	
			39	21.16	-5.07	13.94	<=34.77	Pass	
			75	0	21.31	-5.07	14.09	<=34.77	Pass
		256QAM	670.5	1	0	19.75	-5.07	12.53	<=34.77
38	19.82				-5.07	12.60	<=34.77	Pass	
74	19.87				-5.07	12.65	<=34.77	Pass	
0	19.38				-5.07	12.16	<=34.77	Pass	
36	18			19.43	-5.07	12.21	<=34.77	Pass	
	39			19.49	-5.07	12.27	<=34.77	Pass	
	75			0	19.44	-5.07	12.22	<=34.77	Pass
680.5	1			0	19.30	-5.07	12.08	<=34.77	Pass
			38	19.26	-5.07	12.04	<=34.77	Pass	
			74	19.11	-5.07	11.89	<=34.77	Pass	
			0	19.53	-5.07	12.31	<=34.77	Pass	
	36		18	19.43	-5.07	12.21	<=34.77	Pass	
			39	19.34	-5.07	12.12	<=34.77	Pass	
			75	0	19.45	-5.07	12.23	<=34.77	Pass
690.5	1		0	19.69	-5.07	12.47	<=34.77	Pass	
			38	19.54	-5.07	12.32	<=34.77	Pass	
			74	19.42	-5.07	12.20	<=34.77	Pass	
			0	19.27	-5.07	12.05	<=34.77	Pass	
	36		18	19.23	-5.07	12.01	<=34.77	Pass	
			39	19.11	-5.07	11.89	<=34.77	Pass	
			75	0	19.25	-5.07	12.03	<=34.77	Pass
	Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	24.20	-5.07	16.98	<=34.77	Pass
			50	24.37	-5.07	17.15	<=34.77	Pass
			99	24.33	-5.07	17.11	<=34.77	Pass
		50	0	23.39	-5.07	16.17	<=34.77	Pass
			25	23.48	-5.07	16.26	<=34.77	Pass
			50	23.41	-5.07	16.19	<=34.77	Pass

		100	0	23.39	-5.07	16.17	<=34.77	Pass	
	683	1	0	24.39	-5.07	17.17	<=34.77	Pass	
			50	24.32	-5.07	17.10	<=34.77	Pass	
			99	24.08	-5.07	16.86	<=34.77	Pass	
			0	23.57	-5.07	16.35	<=34.77	Pass	
		50	25	23.44	-5.07	16.22	<=34.77	Pass	
			50	23.33	-5.07	16.11	<=34.77	Pass	
	100	0	23.45	-5.07	16.23	<=34.77	Pass		
	688	1	0	24.42	-5.07	17.20	<=34.77	Pass	
			50	24.17	-5.07	16.95	<=34.77	Pass	
			99	24.05	-5.07	16.83	<=34.77	Pass	
			0	23.39	-5.07	16.17	<=34.77	Pass	
		50	25	23.33	-5.07	16.11	<=34.77	Pass	
			50	23.19	-5.07	15.97	<=34.77	Pass	
			100	0	23.30	-5.07	16.08	<=34.77	Pass
		16QAM	673	1	0	23.59	-5.07	16.37	<=34.77
50	23.72				-5.07	16.50	<=34.77	Pass	
99	23.67				-5.07	16.45	<=34.77	Pass	
50	0			22.36	-5.07	15.14	<=34.77	Pass	
	25			22.48	-5.07	15.26	<=34.77	Pass	
	50			22.41	-5.07	15.19	<=34.77	Pass	
100	0			22.39	-5.07	15.17	<=34.77	Pass	
683	1		0	23.71	-5.07	16.49	<=34.77	Pass	
			50	23.60	-5.07	16.38	<=34.77	Pass	
			99	23.36	-5.07	16.14	<=34.77	Pass	
	50		0	22.55	-5.07	15.33	<=34.77	Pass	
			25	22.43	-5.07	15.21	<=34.77	Pass	
			50	22.30	-5.07	15.08	<=34.77	Pass	
	100		0	22.42	-5.07	15.20	<=34.77	Pass	
688	1		0	24.17	-5.07	16.95	<=34.77	Pass	
			50	23.95	-5.07	16.73	<=34.77	Pass	
			99	23.65	-5.07	16.43	<=34.77	Pass	
	50		0	22.35	-5.07	15.13	<=34.77	Pass	
			25	22.33	-5.07	15.11	<=34.77	Pass	
			50	22.16	-5.07	14.94	<=34.77	Pass	
	100		0	22.30	-5.07	15.08	<=34.77	Pass	
64QAM	673		1	0	22.68	-5.07	15.46	<=34.77	Pass
				50	22.83	-5.07	15.61	<=34.77	Pass
				99	22.80	-5.07	15.58	<=34.77	Pass
		50	0	21.40	-5.07	14.18	<=34.77	Pass	
			25	21.53	-5.07	14.31	<=34.77	Pass	
			50	21.49	-5.07	14.27	<=34.77	Pass	
	100	0	21.38	-5.07	14.16	<=34.77	Pass		
	683	1	0	23.09	-5.07	15.87	<=34.77	Pass	
			50	23.08	-5.07	15.86	<=34.77	Pass	
			99	22.81	-5.07	15.59	<=34.77	Pass	
		50	0	21.58	-5.07	14.36	<=34.77	Pass	
			25	21.43	-5.07	14.21	<=34.77	Pass	
			50	21.33	-5.07	14.11	<=34.77	Pass	
	100	0	21.41	-5.07	14.19	<=34.77	Pass		
	688	1	0	22.80	-5.07	15.58	<=34.77	Pass	
			50	22.55	-5.07	15.33	<=34.77	Pass	
			99	22.35	-5.07	15.13	<=34.77	Pass	
		50	0	21.37	-5.07	14.15	<=34.77	Pass	
25			21.31	-5.07	14.09	<=34.77	Pass		
50			21.17	-5.07	13.95	<=34.77	Pass		
100	0	21.31	-5.07	14.09	<=34.77	Pass			
256QAM	673	1	0	19.54	-5.07	12.32	<=34.77	Pass	
			50	19.67	-5.07	12.45	<=34.77	Pass	

			99	19.60	-5.07	12.38	<=34.77	Pass
		50	0	19.34	-5.07	12.12	<=34.77	Pass
			25	19.45	-5.07	12.23	<=34.77	Pass
			50	19.42	-5.07	12.20	<=34.77	Pass
			100	0	19.34	-5.07	12.12	<=34.77
	683	1	0	19.69	-5.07	12.47	<=34.77	Pass
			50	19.56	-5.07	12.34	<=34.77	Pass
			99	19.37	-5.07	12.15	<=34.77	Pass
		50	0	19.55	-5.07	12.33	<=34.77	Pass
			25	19.39	-5.07	12.17	<=34.77	Pass
			50	19.30	-5.07	12.08	<=34.77	Pass
		100	0	19.40	-5.07	12.18	<=34.77	Pass
		688	1	0	19.48	-5.07	12.26	<=34.77
	50			19.25	-5.07	12.03	<=34.77	Pass
	99			18.97	-5.07	11.75	<=34.77	Pass
	50		0	19.38	-5.07	12.16	<=34.77	Pass
			25	19.33	-5.07	12.11	<=34.77	Pass
			50	19.16	-5.07	11.94	<=34.77	Pass
	100		0	19.28	-5.07	12.06	<=34.77	Pass
	Note1: ERP=Conducted Power+Antenna Gain-2.15							

2. Frequency Stability

2.1 Test Result

2.1.1 B71_10MHz

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	680.5	50	0	20	LV	-9.890	-0.0145	-2.5 to 2.5	Pass
					NV	-3.080	-0.0045	-2.5 to 2.5	Pass
					HV	-0.883	-0.0013	-2.5 to 2.5	Pass
				-30	NV	-3.278	-0.0048	-2.5 to 2.5	Pass
				-20	NV	0.480	0.0007	-2.5 to 2.5	Pass
				-10	NV	-1.357	-0.0020	-2.5 to 2.5	Pass
				0	NV	-1.049	-0.0015	-2.5 to 2.5	Pass
				10	NV	-0.922	-0.0014	-2.5 to 2.5	Pass
				30	NV	-0.938	-0.0014	-2.5 to 2.5	Pass
				40	NV	-1.508	-0.0022	-2.5 to 2.5	Pass
				50	NV	-1.302	-0.0019	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band71_OBW

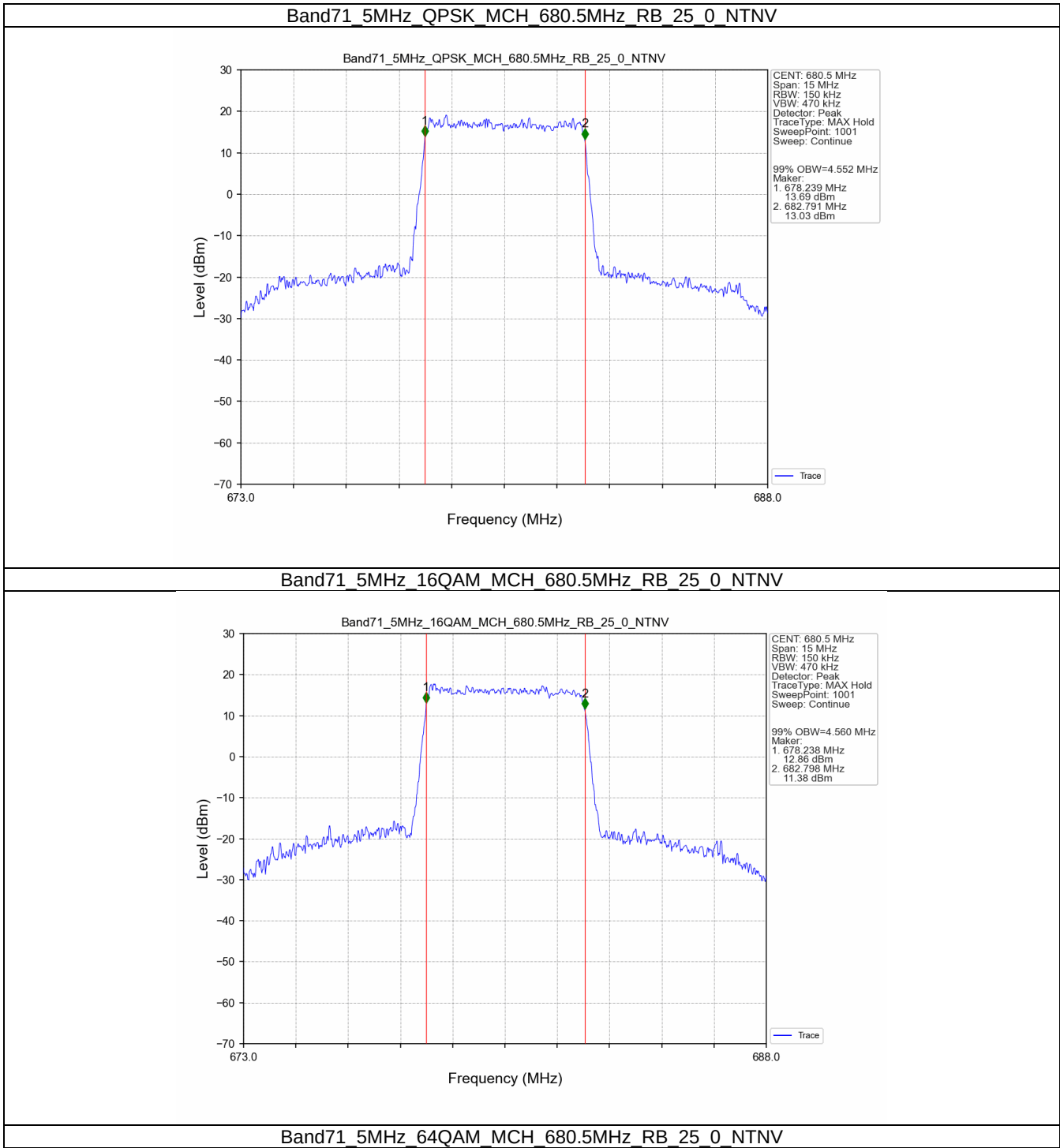
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	4.552	/	Pass
	16QAM	680.5	25	0	4.560	/	Pass
	64QAM	680.5	25	0	4.548	/	Pass
	256QAM	680.5	25	0	4.570	/	Pass
10	QPSK	680.5	50	0	9.094	/	Pass
	16QAM	680.5	50	0	9.077	/	Pass
	64QAM	680.5	50	0	9.082	/	Pass
	256QAM	680.5	50	0	9.056	/	Pass
15	QPSK	680.5	75	0	13.626	/	Pass
	16QAM	680.5	75	0	13.669	/	Pass
	64QAM	680.5	75	0	13.610	/	Pass
	256QAM	680.5	75	0	13.586	/	Pass
20	QPSK	683	100	0	18.129	/	Pass
	16QAM	683	100	0	18.071	/	Pass
	64QAM	683	100	0	18.088	/	Pass
	256QAM	683	100	0	18.118	/	Pass

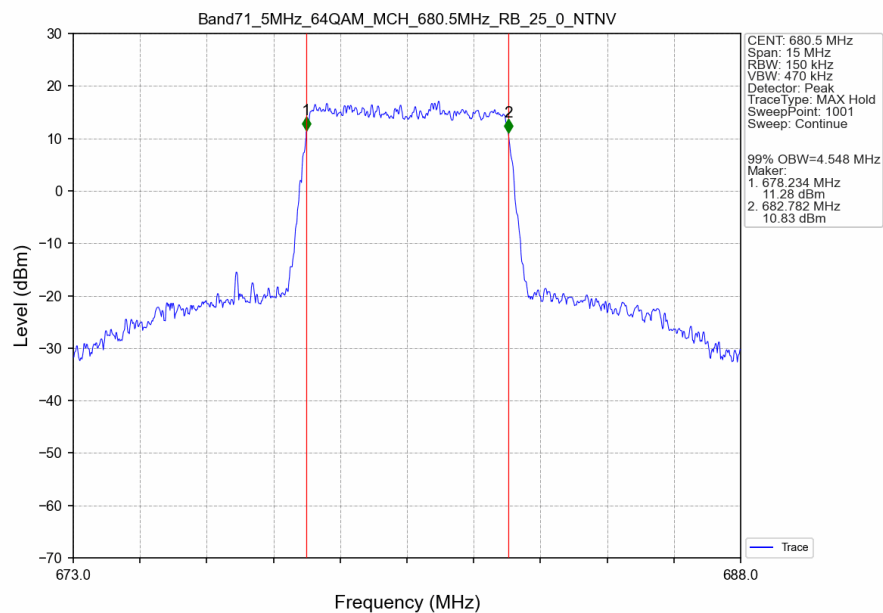
3.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	5.037	/	Pass
	16QAM	680.5	25	0	5.074	/	Pass
	64QAM	680.5	25	0	5.061	/	Pass
	256QAM	680.5	25	0	5.065	/	Pass
10	QPSK	680.5	50	0	10.026	/	Pass
	16QAM	680.5	50	0	10.007	/	Pass
	64QAM	680.5	50	0	9.998	/	Pass
	256QAM	680.5	50	0	10.022	/	Pass
15	QPSK	680.5	75	0	15.044	/	Pass
	16QAM	680.5	75	0	15.021	/	Pass
	64QAM	680.5	75	0	14.863	/	Pass
	256QAM	680.5	75	0	14.961	/	Pass
20	QPSK	683	100	0	19.610	/	Pass
	16QAM	683	100	0	19.742	/	Pass
	64QAM	683	100	0	19.858	/	Pass
	256QAM	683	100	0	19.841	/	Pass

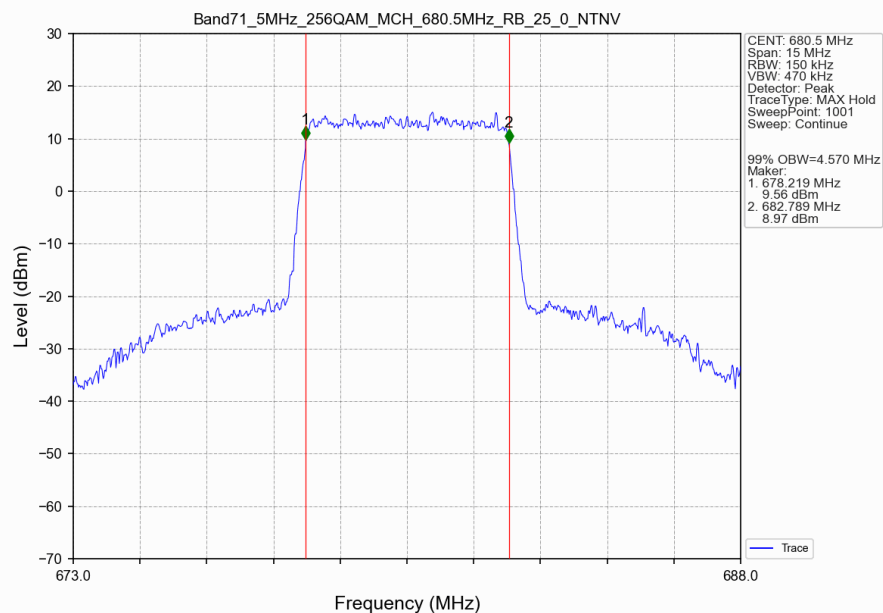
3.2 Test Graph

3.2.1 Band71_OBW

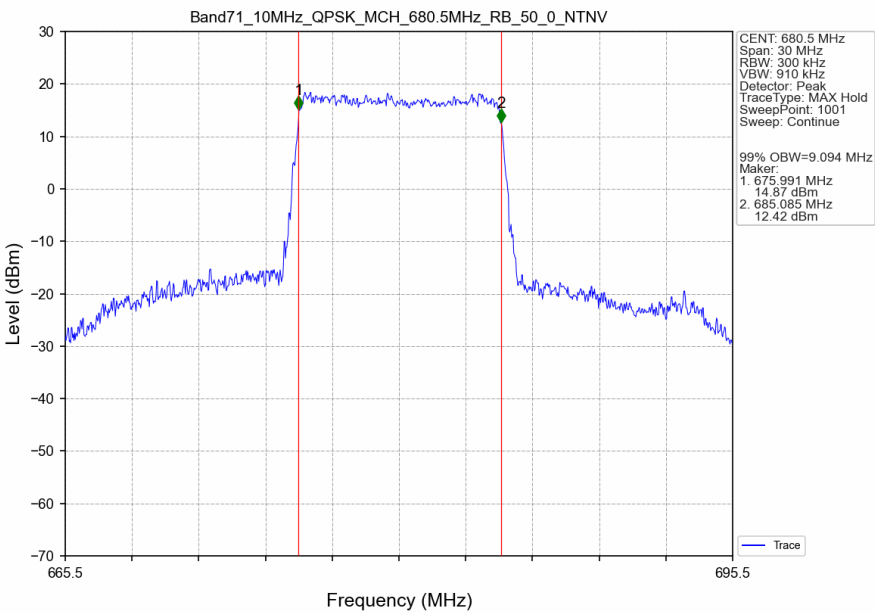




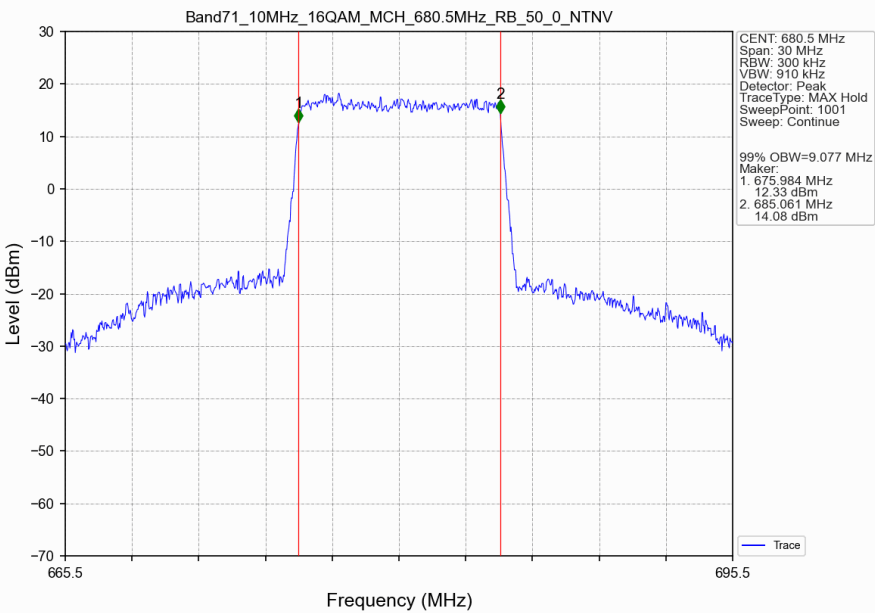
Band71_5MHz_256QAM_MCH_680.5MHz_RB_25_0_NTNV



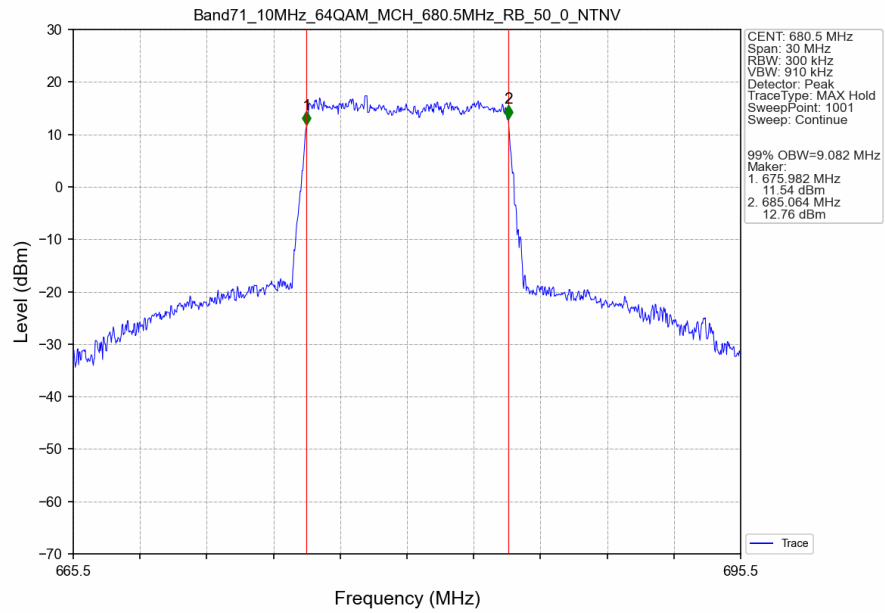
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



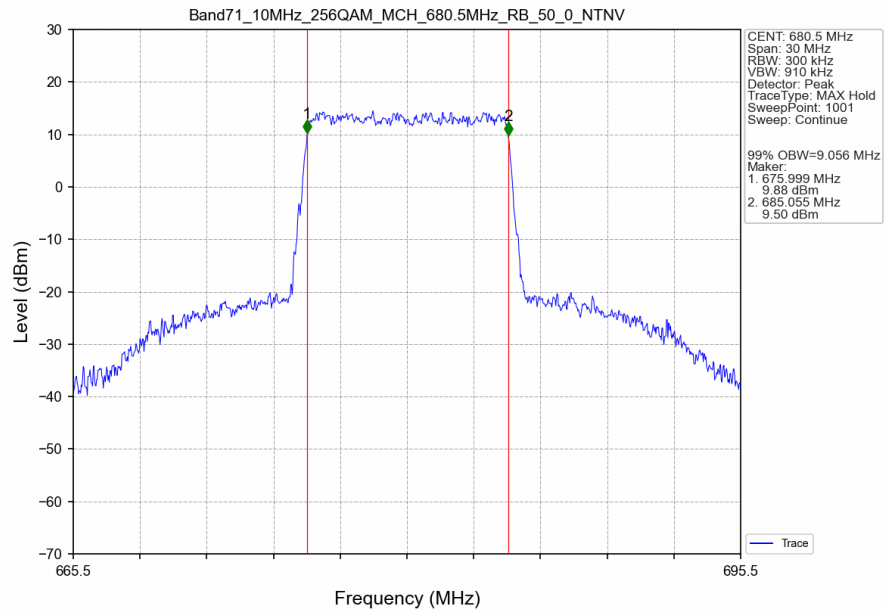
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



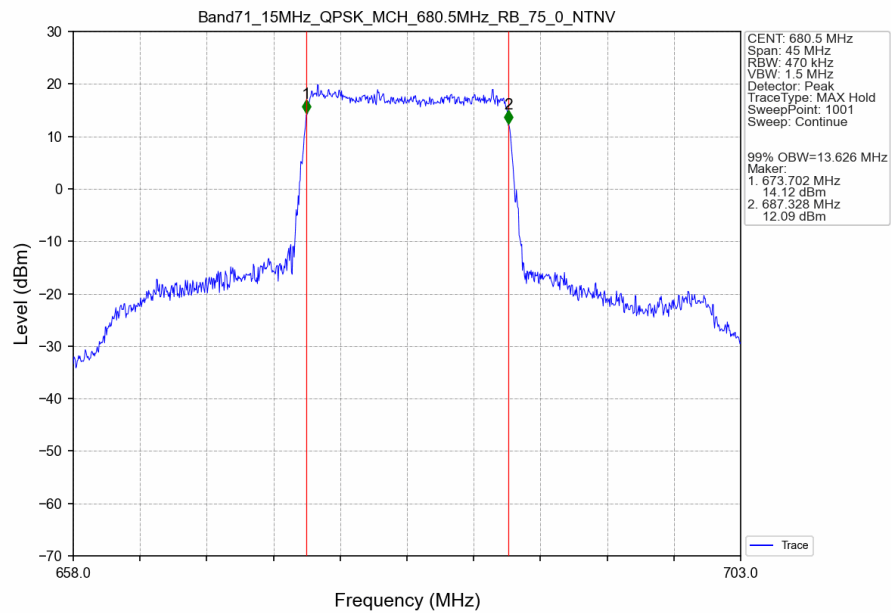
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



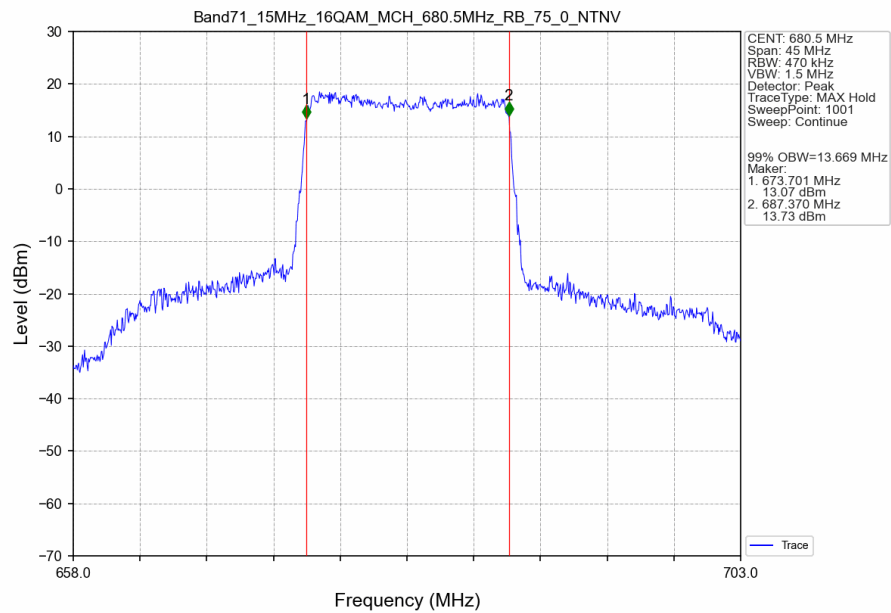
Band71_10MHz_256QAM_MCH_680.5MHz_RB_50_0_NTNV



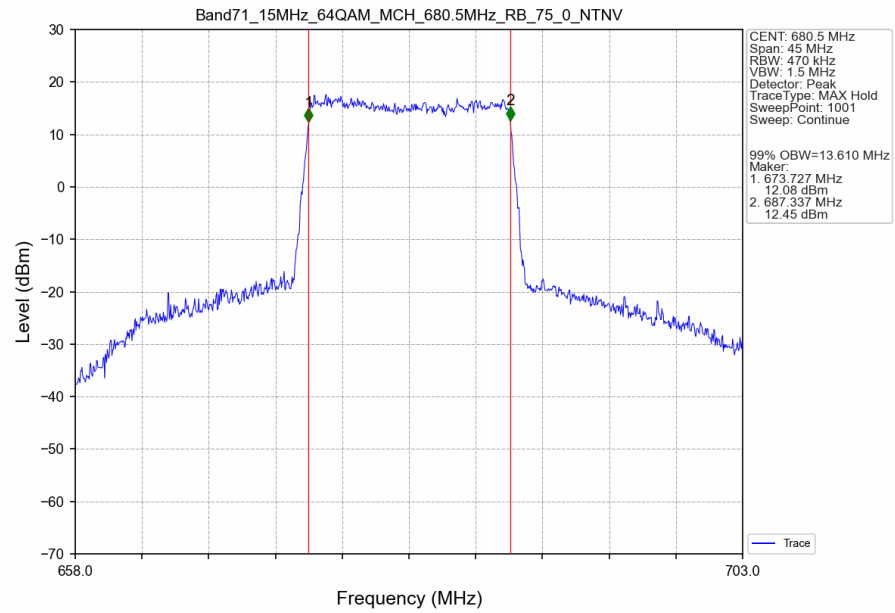
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



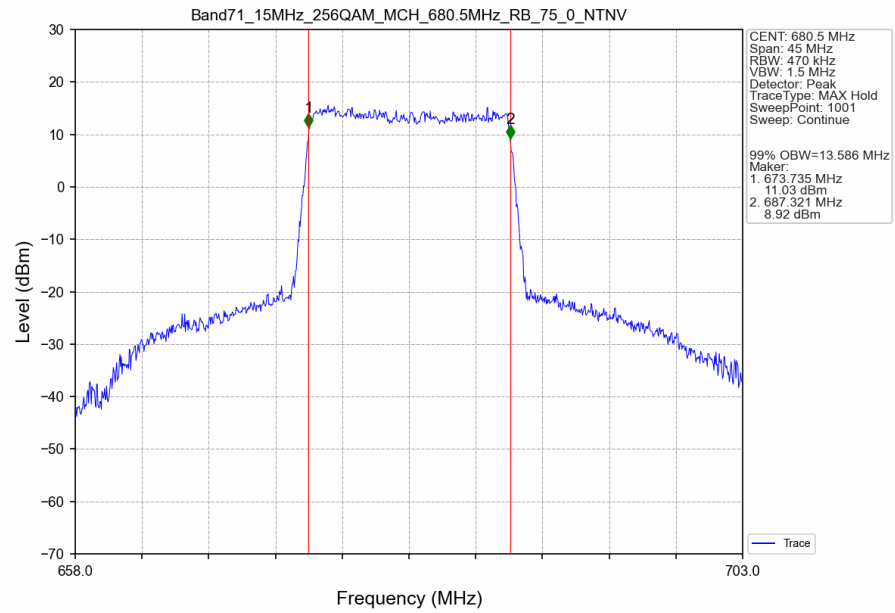
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



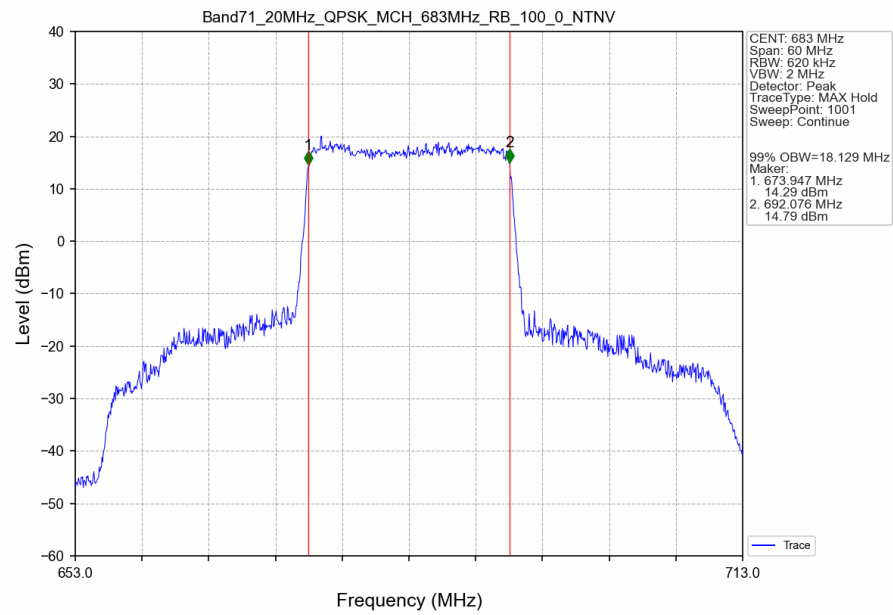
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



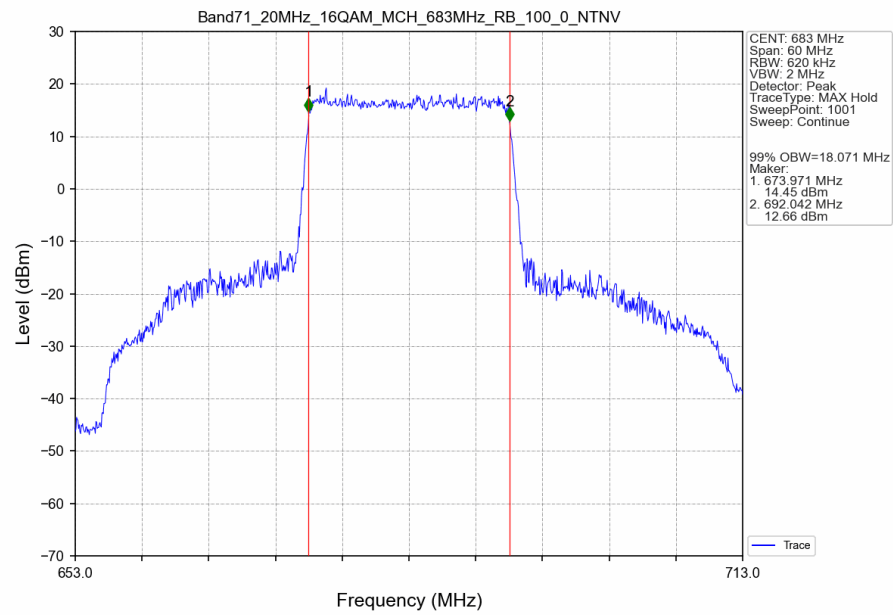
Band71_15MHz_256QAM_MCH_680.5MHz_RB_75_0_NTNV



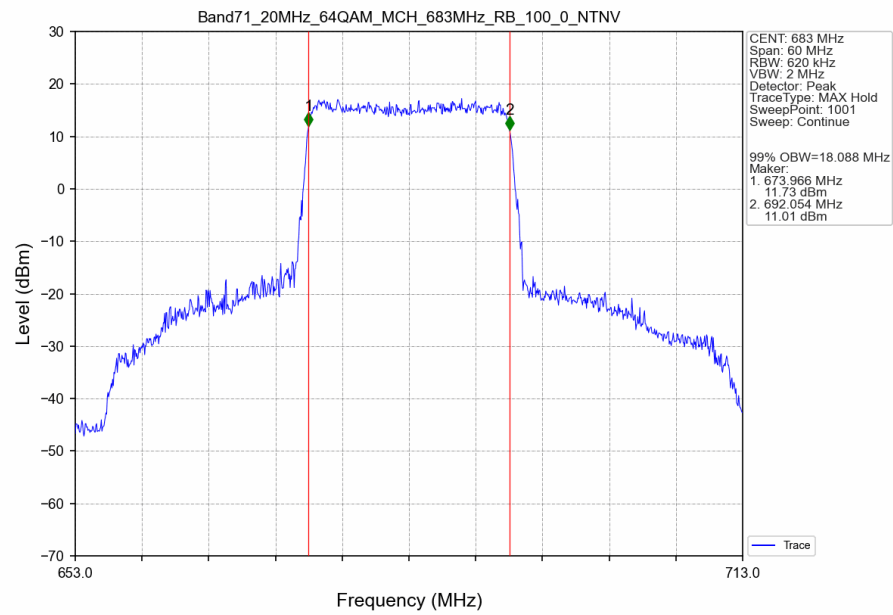
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



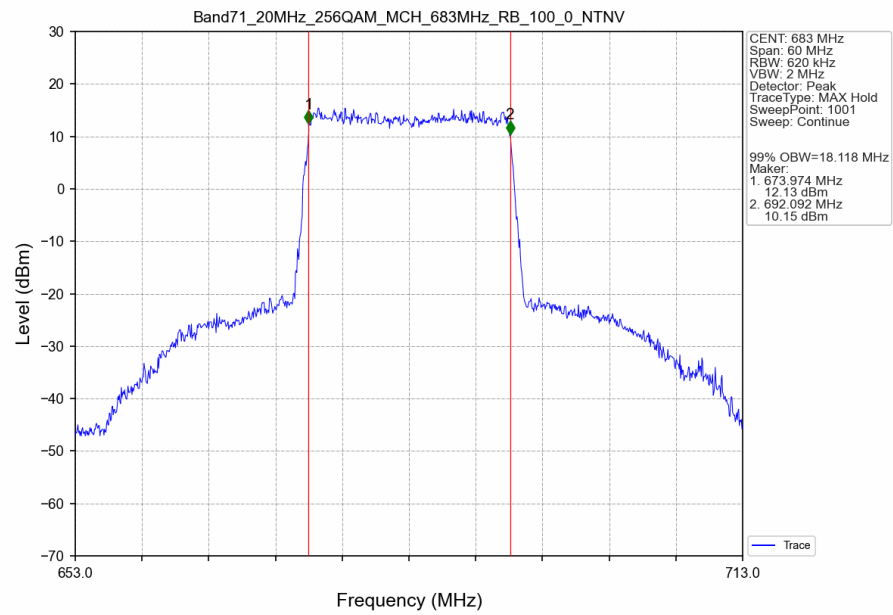
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



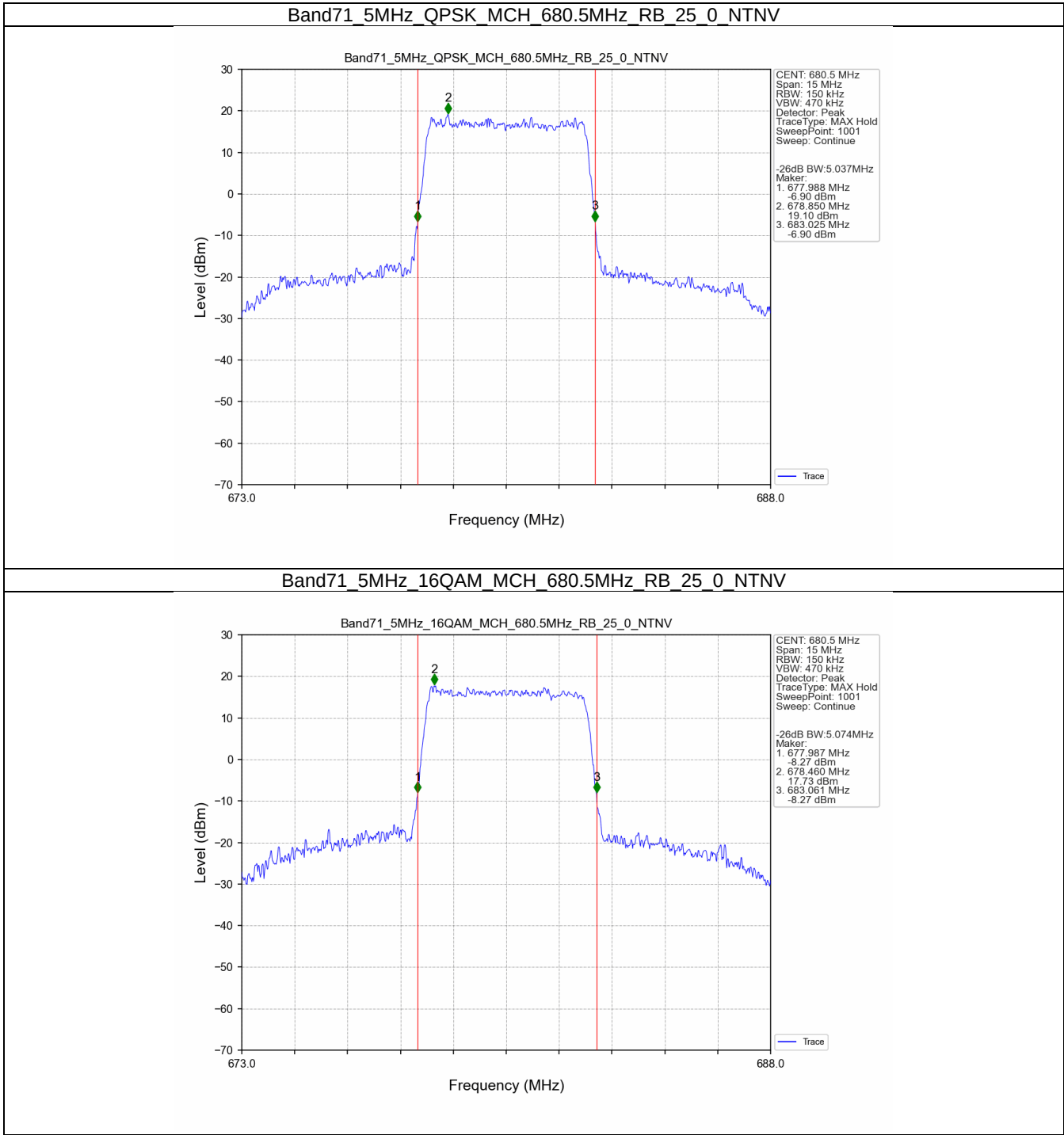
Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



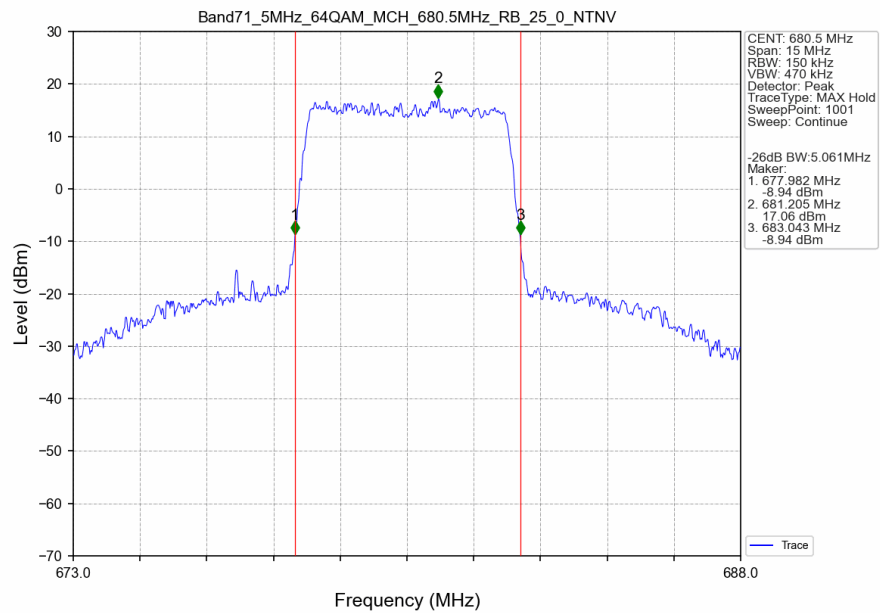
Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



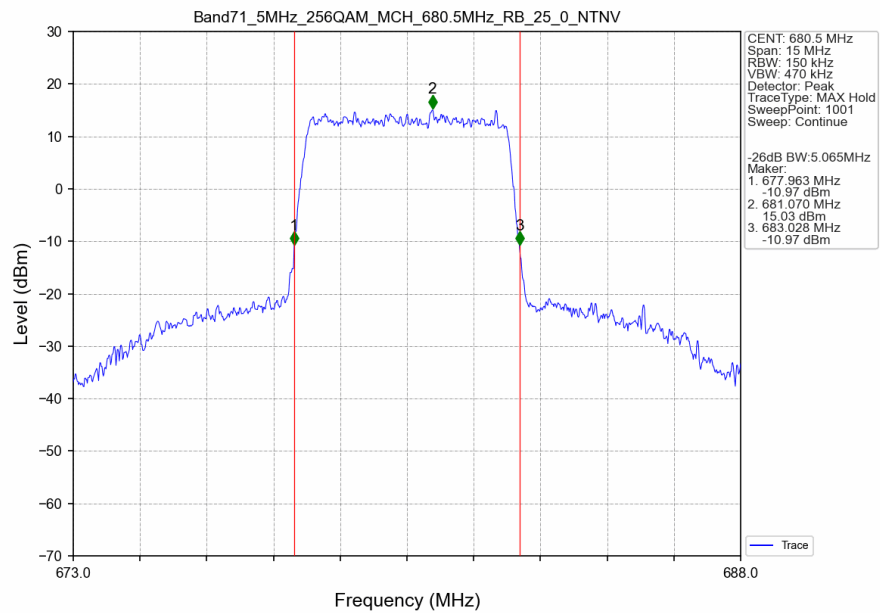
3.2.2 Band71_XDB



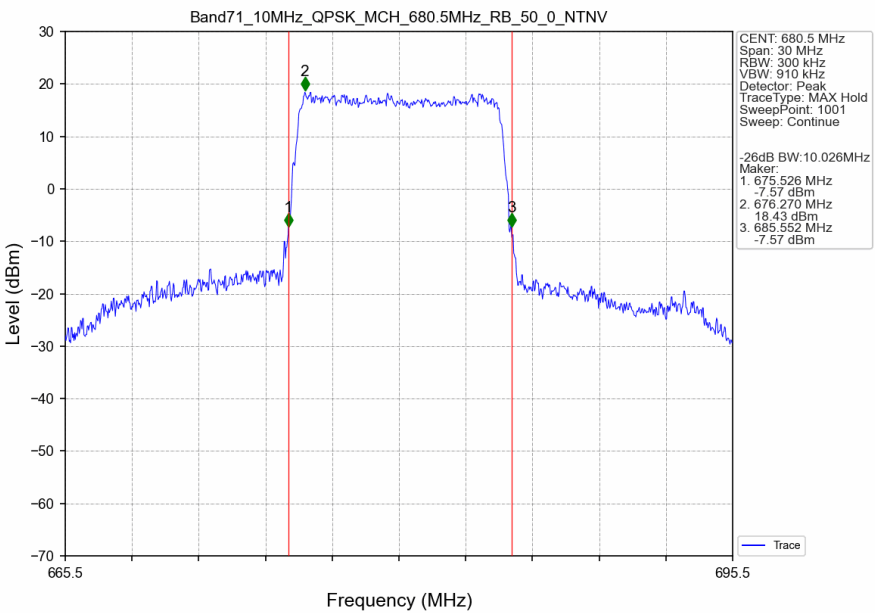
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



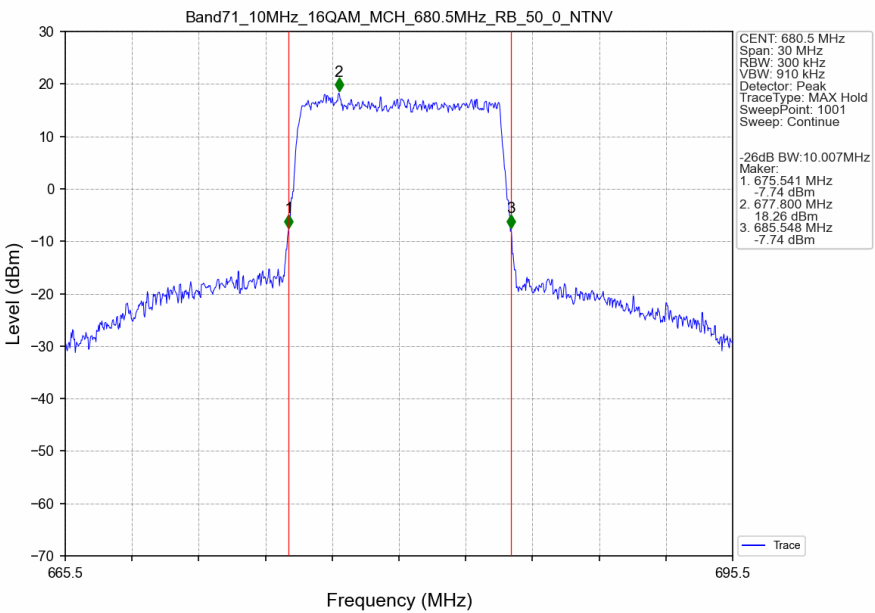
Band71_5MHz_256QAM_MCH_680.5MHz_RB_25_0_NTNV



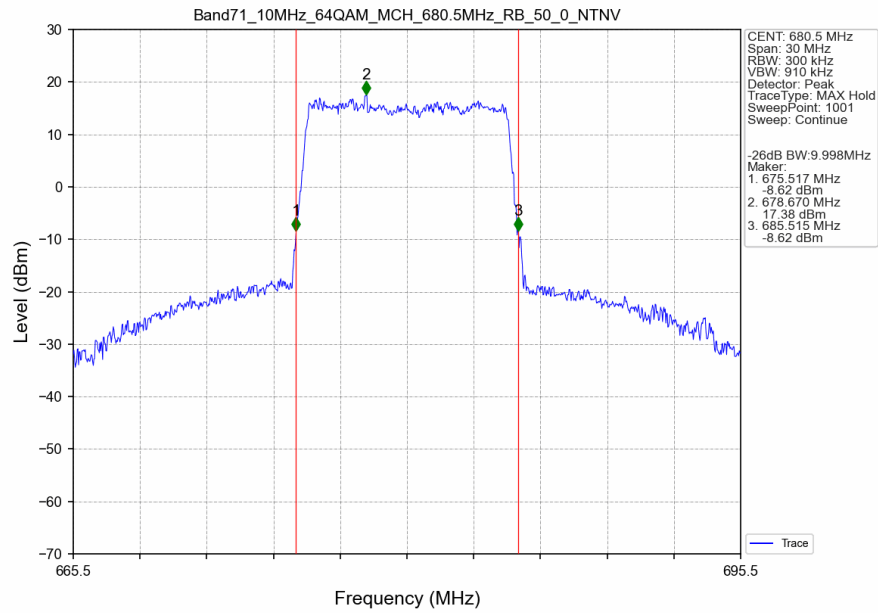
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



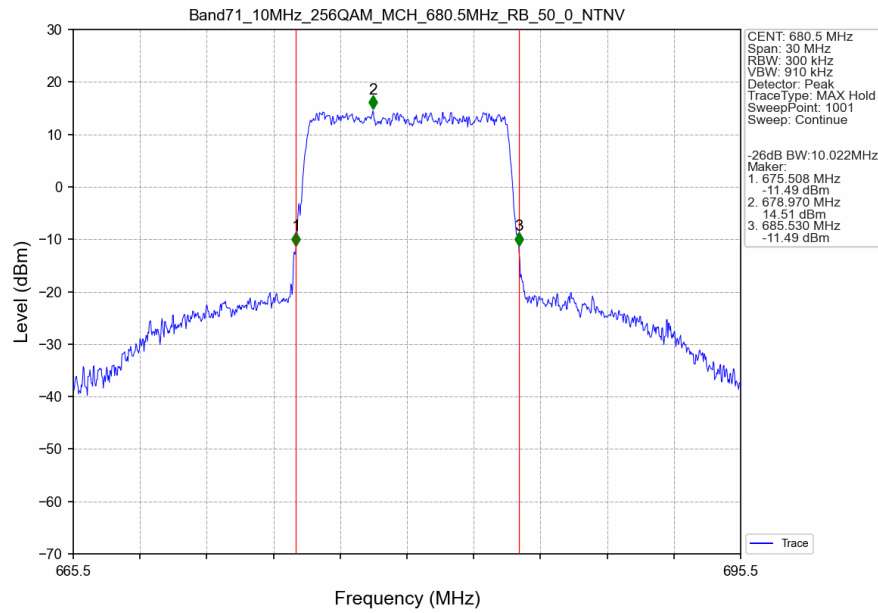
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



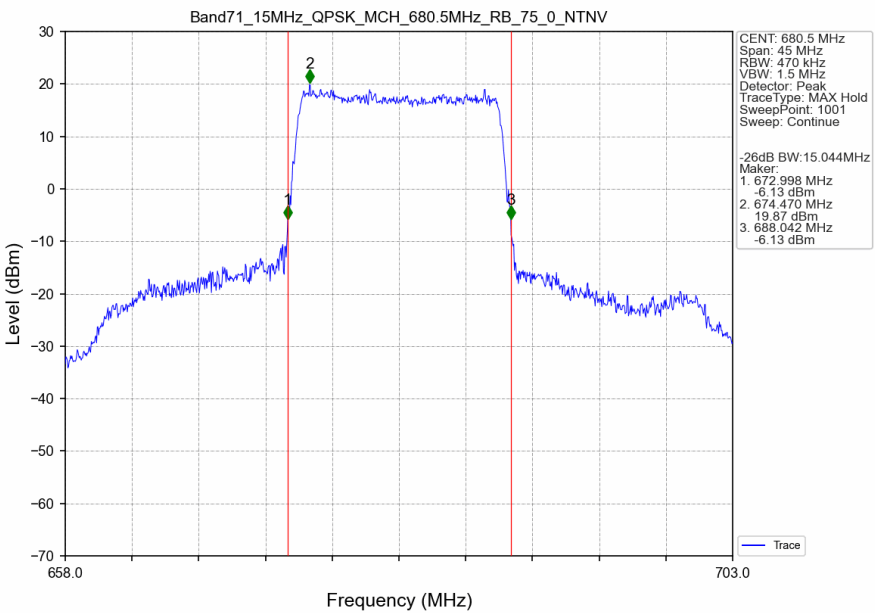
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



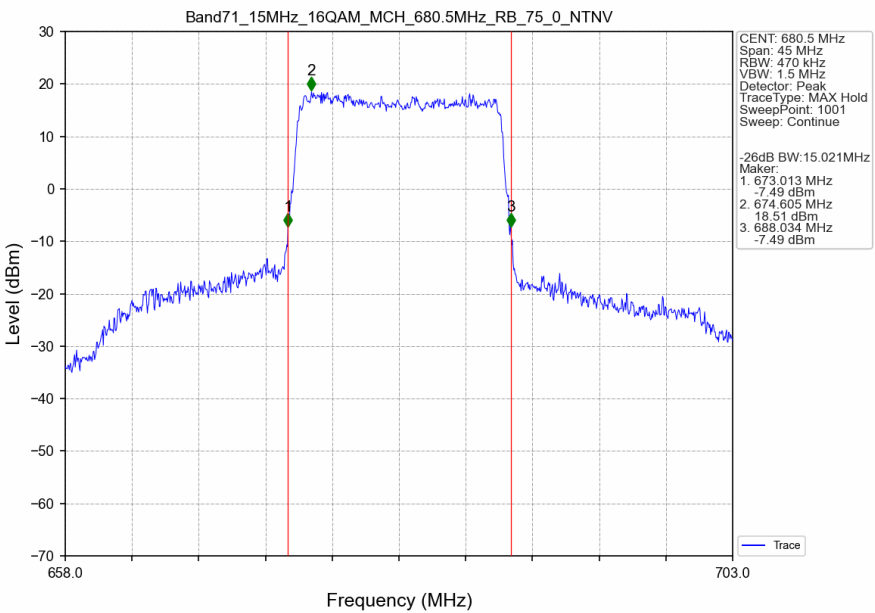
Band71_10MHz_256QAM_MCH_680.5MHz_RB_50_0_NTNV



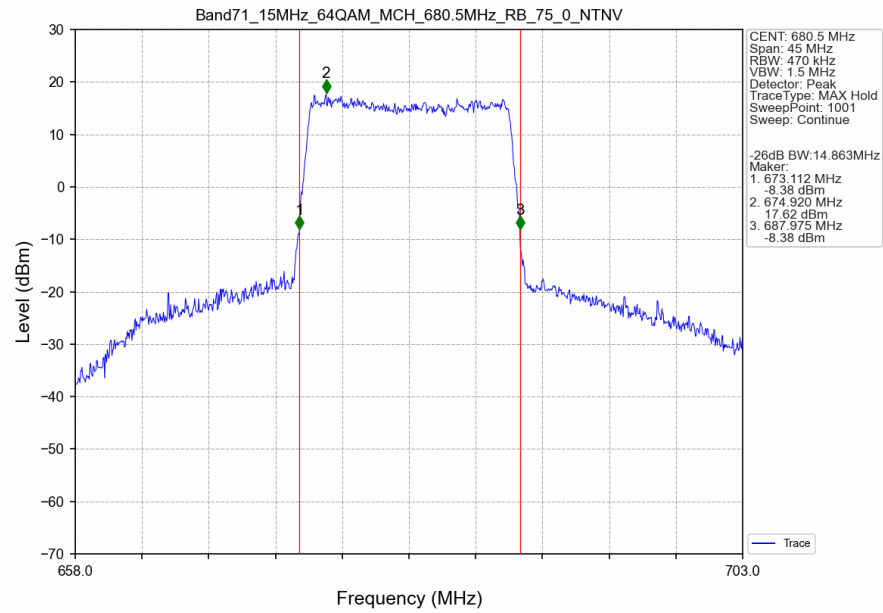
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



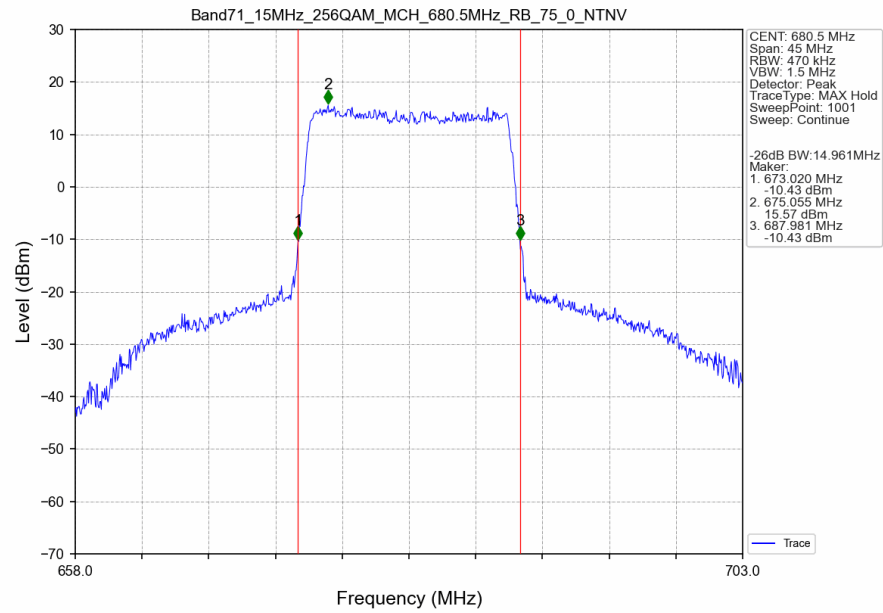
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



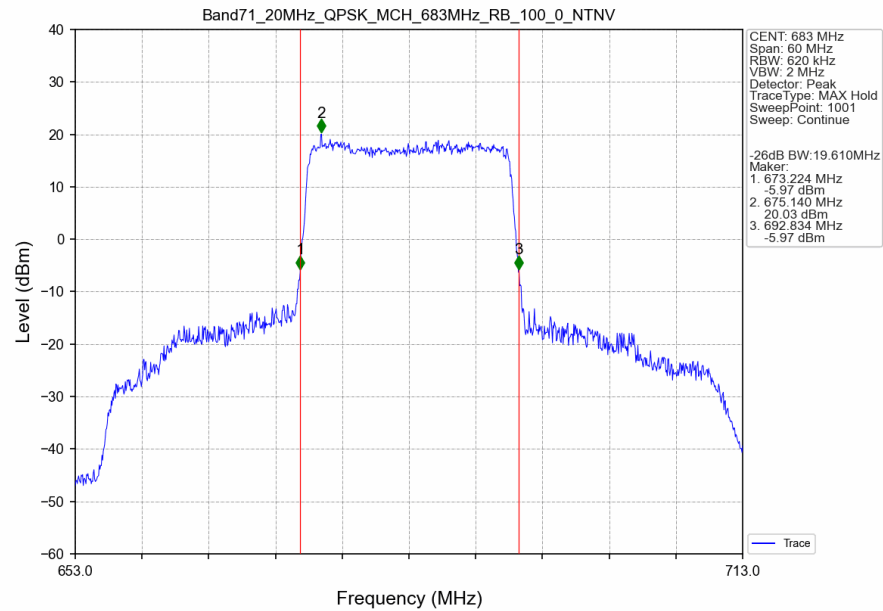
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



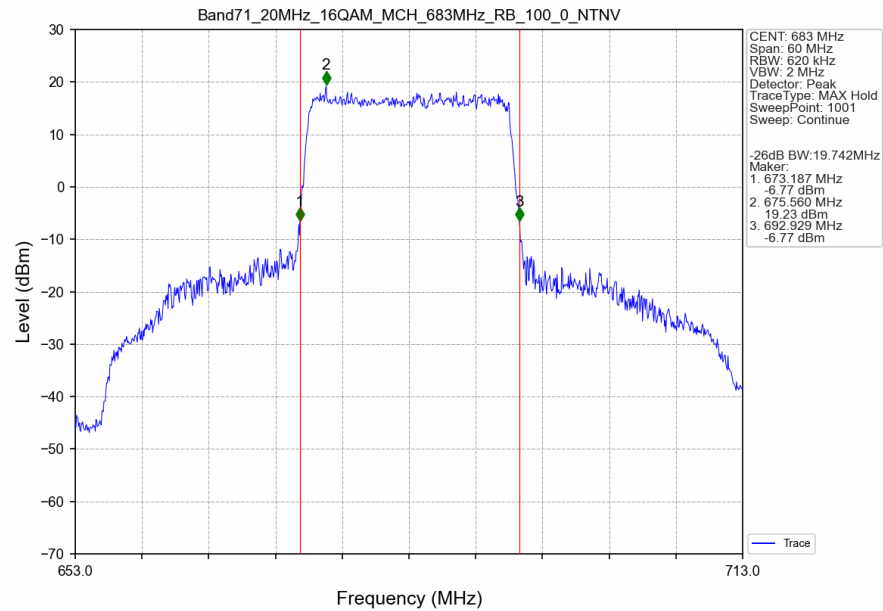
Band71_15MHz_256QAM_MCH_680.5MHz_RB_75_0_NTNV



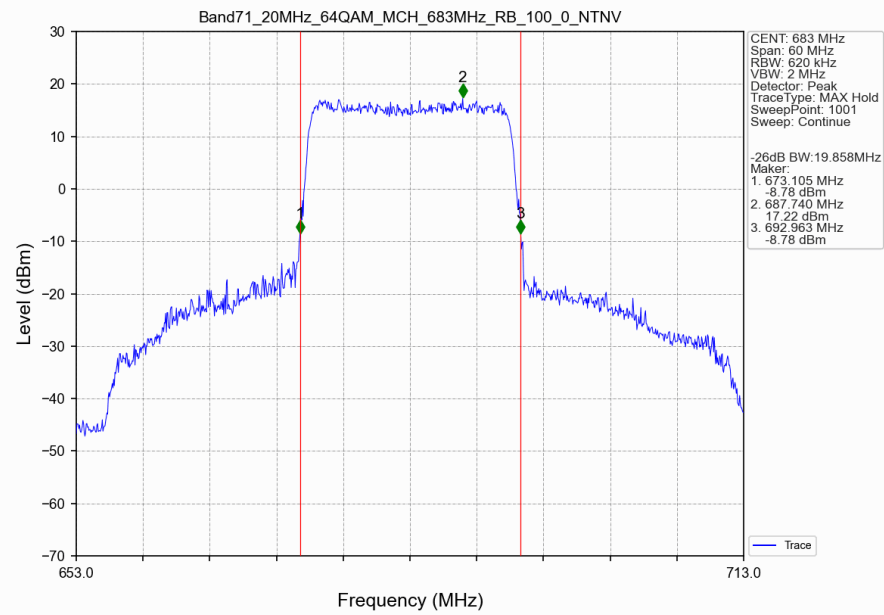
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



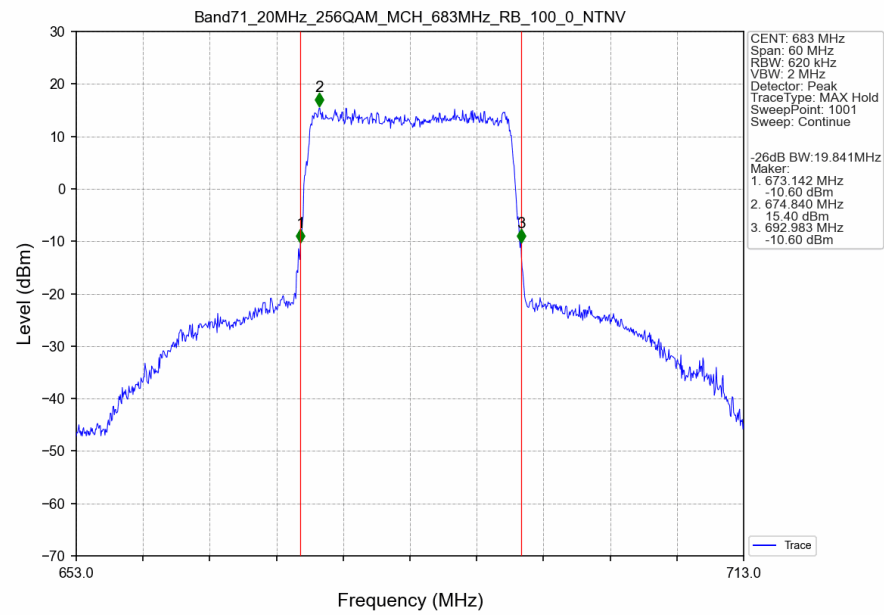
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



4. Peak-Average Ratio

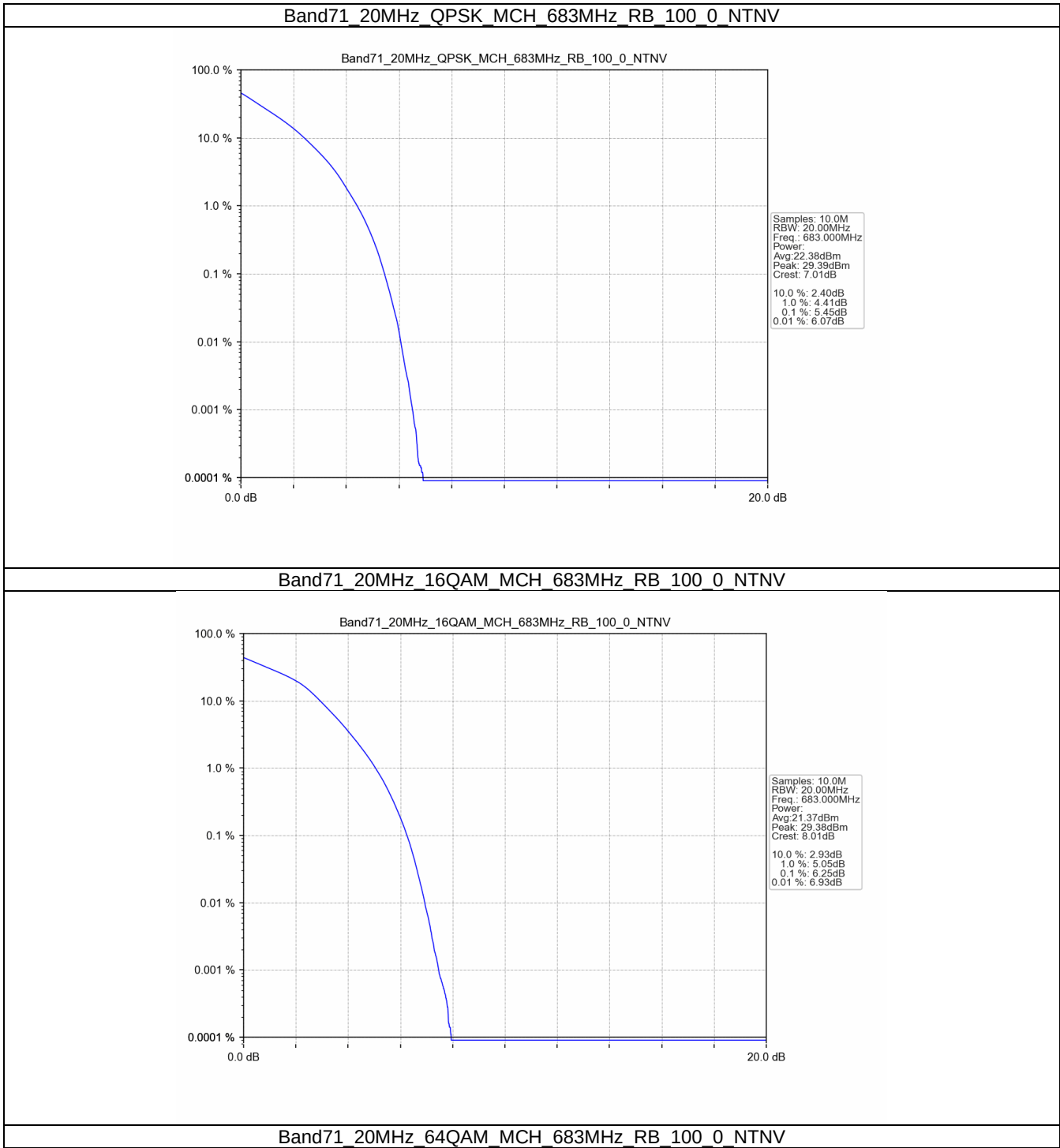
4.1 Test Result

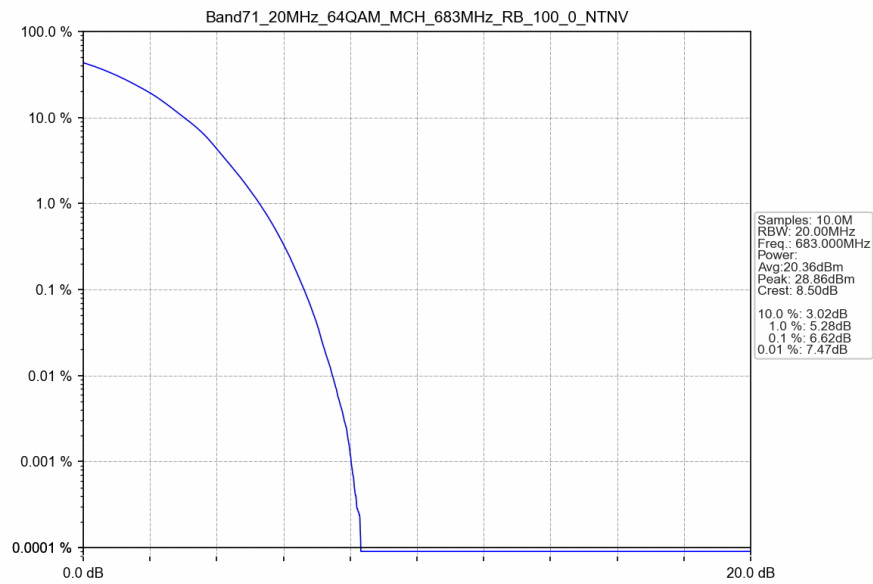
4.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	5.45	<=13	Pass
16QAM	683	100	0	6.25	<=13	Pass
64QAM	683	100	0	6.62	<=13	Pass
256QAM	683	100	0	6.89	<=13	Pass

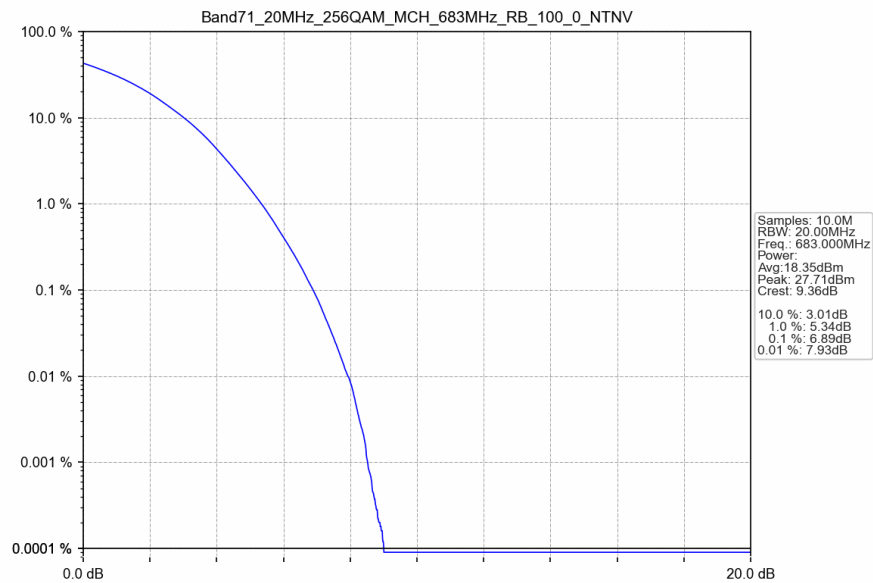
4.2 Test Graph

4.2.1 B71_20MHz





Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		693	1	0	Refer To Test Graph	
	49			Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass

5.1.3 B71_15MHz

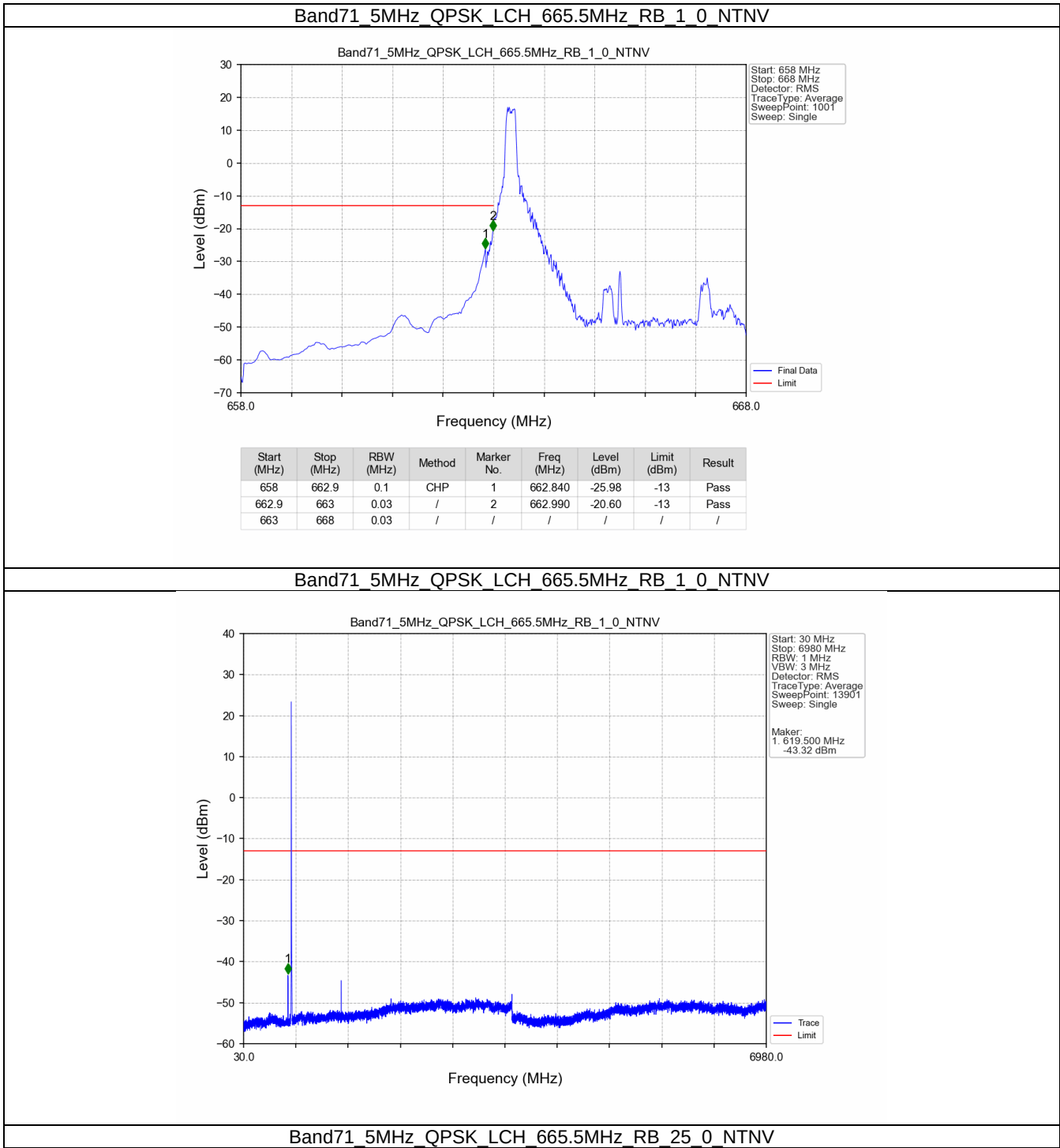
Band: 71 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

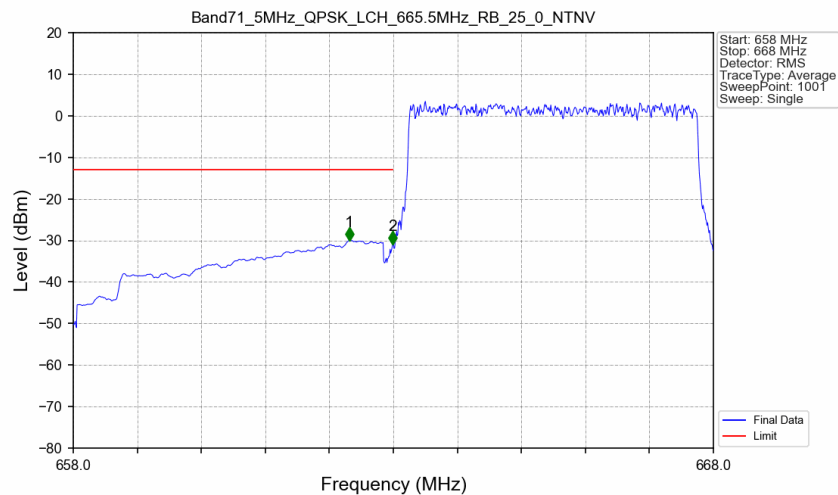
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

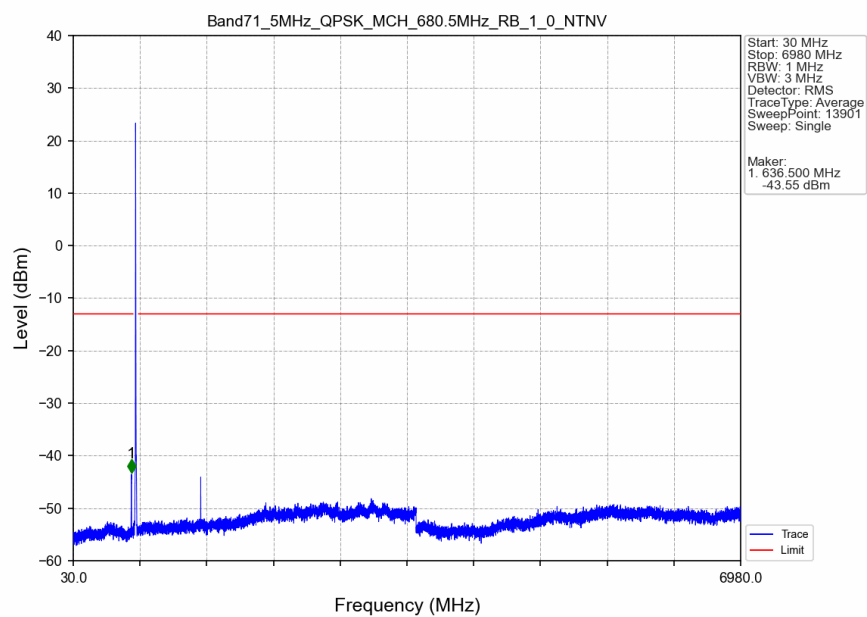
5.2.1 B71_5MHz



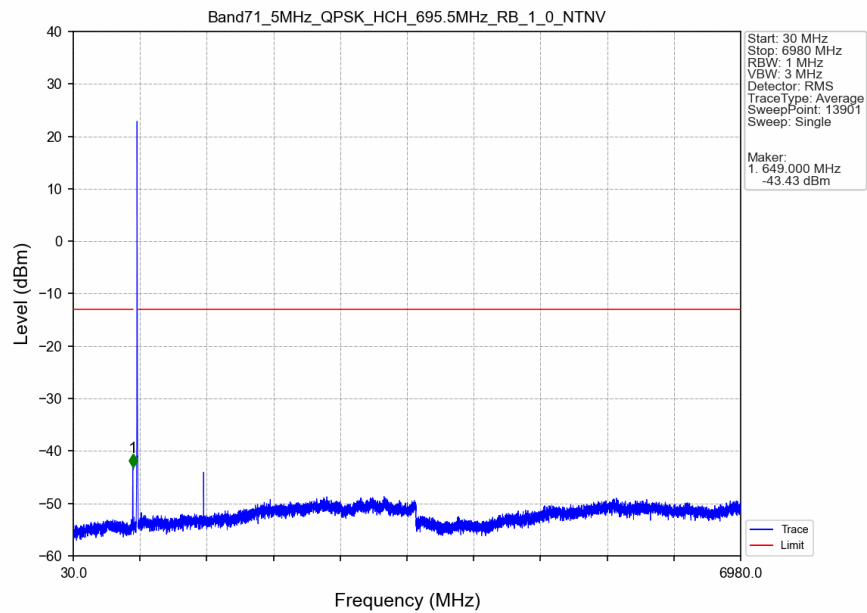


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.310	-30.03	-13	Pass
662.9	663	0.03	/	2	662.990	-30.88	-13	Pass
663	668	0.03	/	/	/	/	/	/

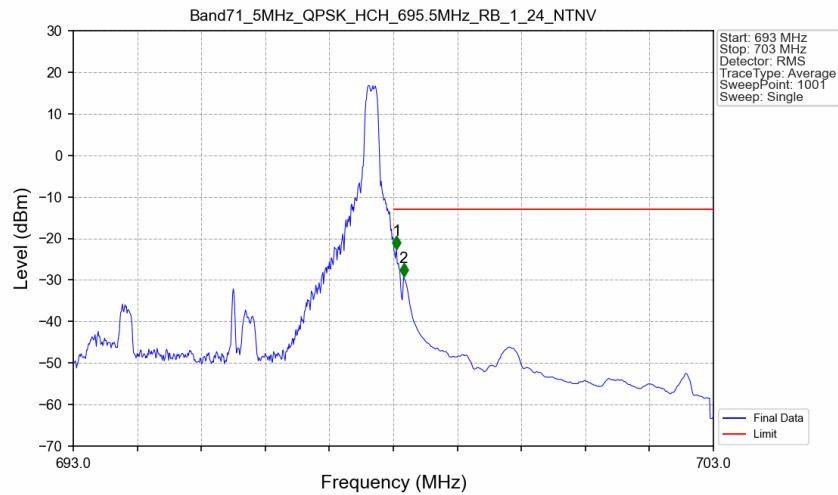
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

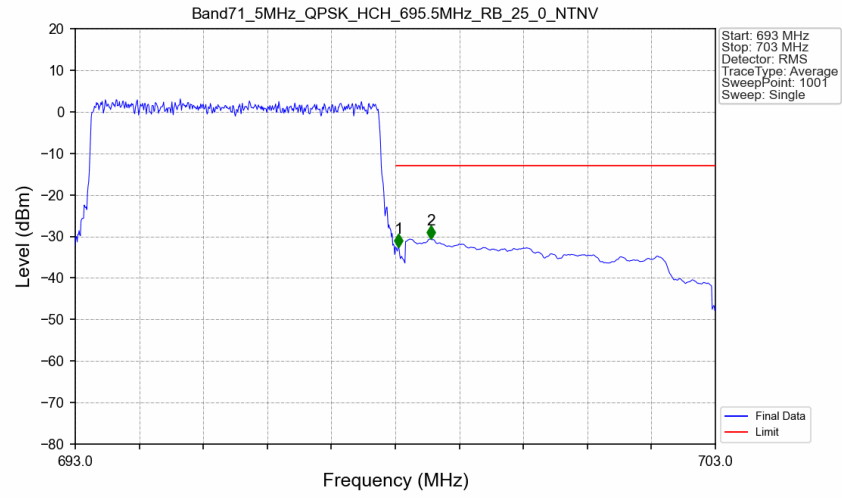


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



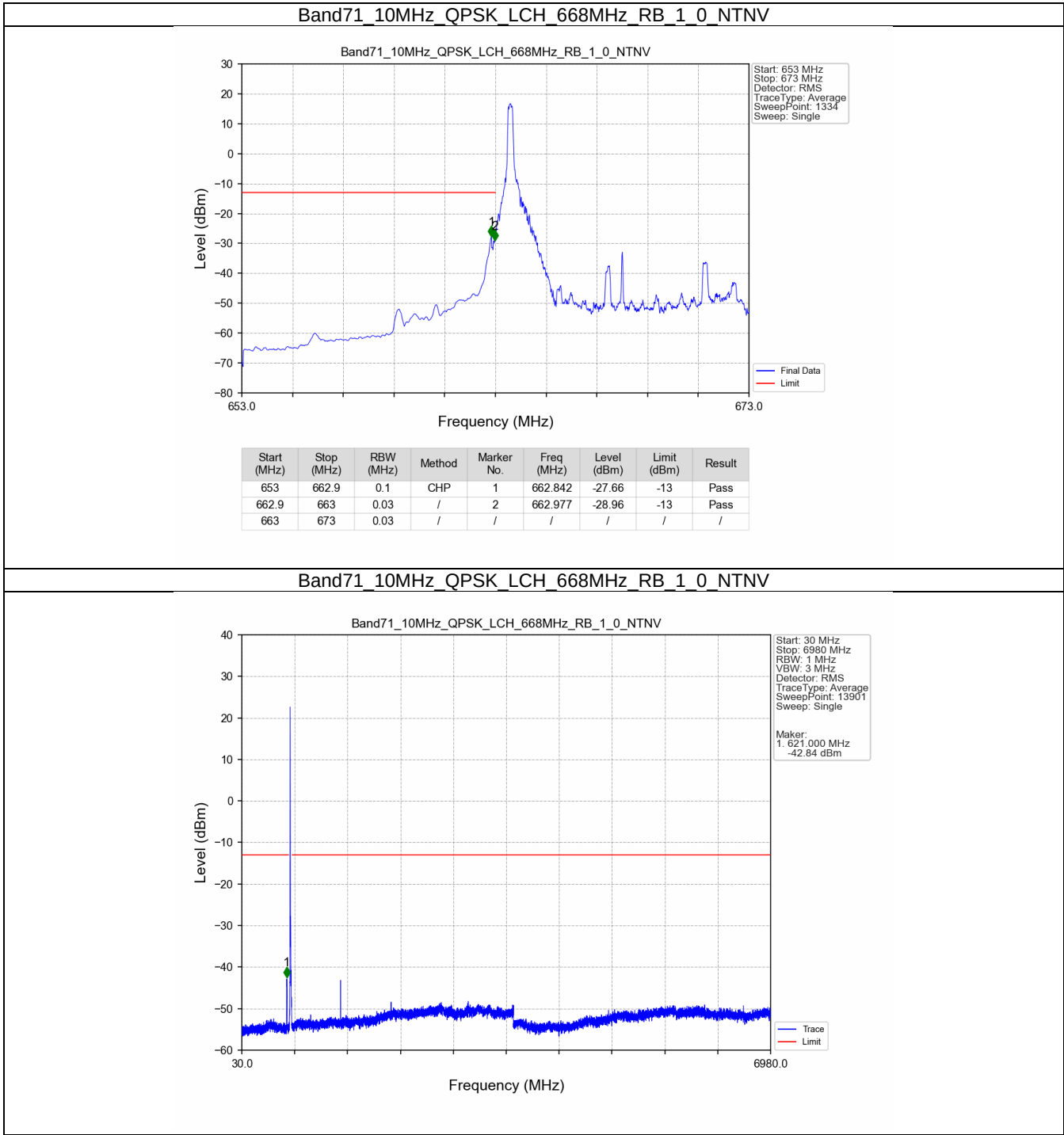
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.050	-22.63	-13	Pass
698.1	703	0.1	CHP	2	698.160	-29.10	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV

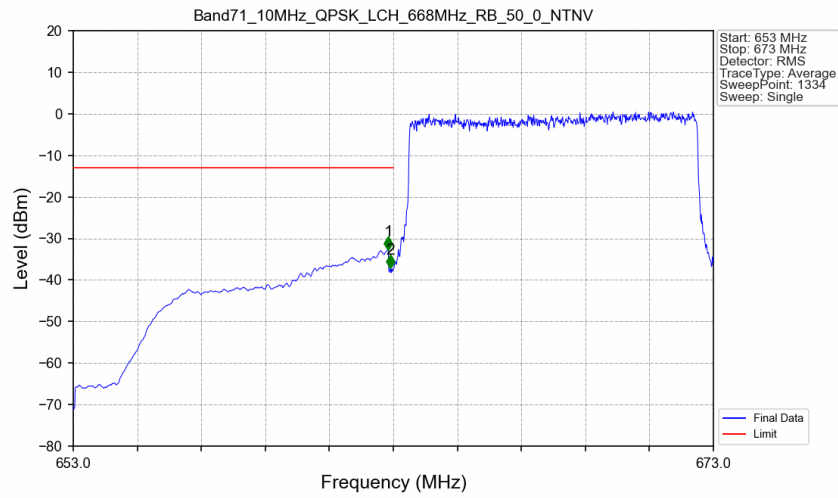


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.050	-32.53	-13	Pass
698.1	703	0.1	CHP	2	698.560	-30.61	-13	Pass

5.2.2 B71_10MHz

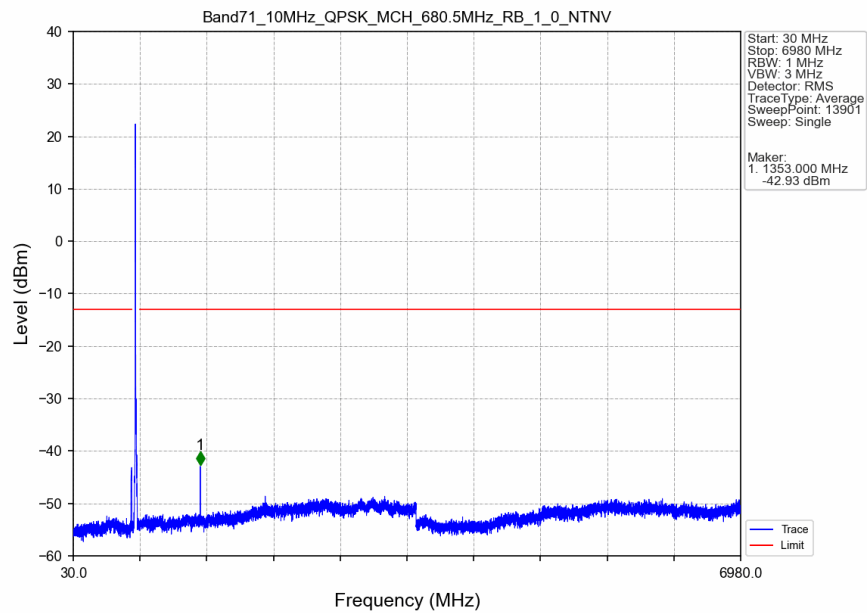


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

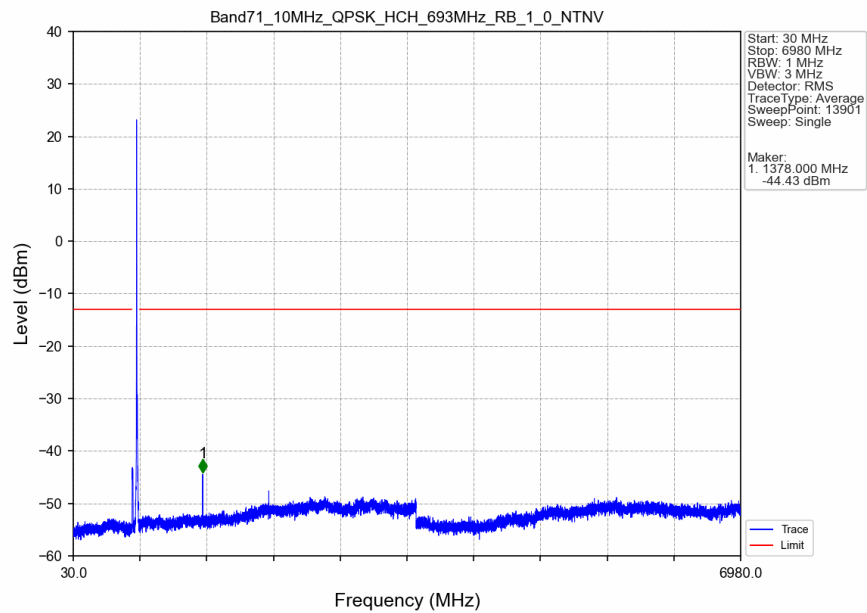


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-32.82	-13	Pass
662.9	663	0.03	/	2	662.902	-37.15	-13	Pass
663	673	0.03	/	/	/	/	/	/

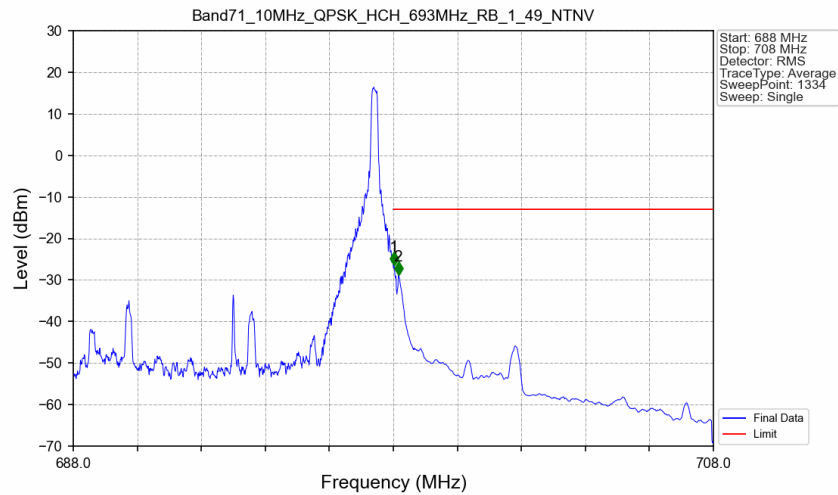
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

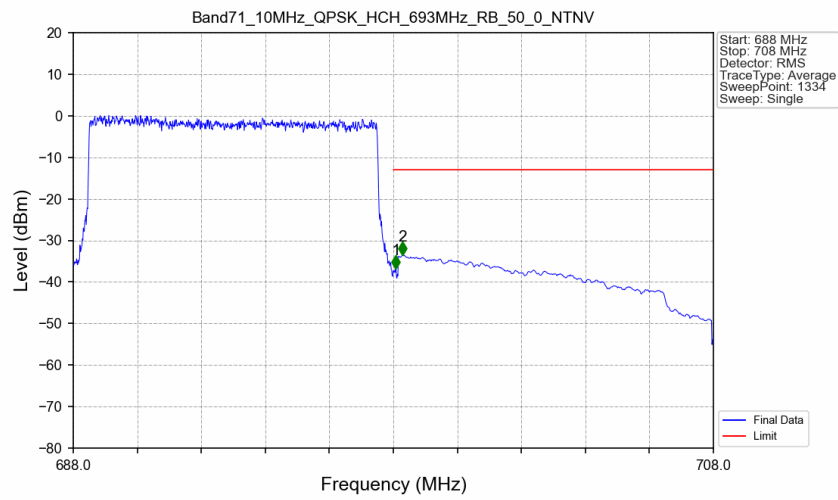


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



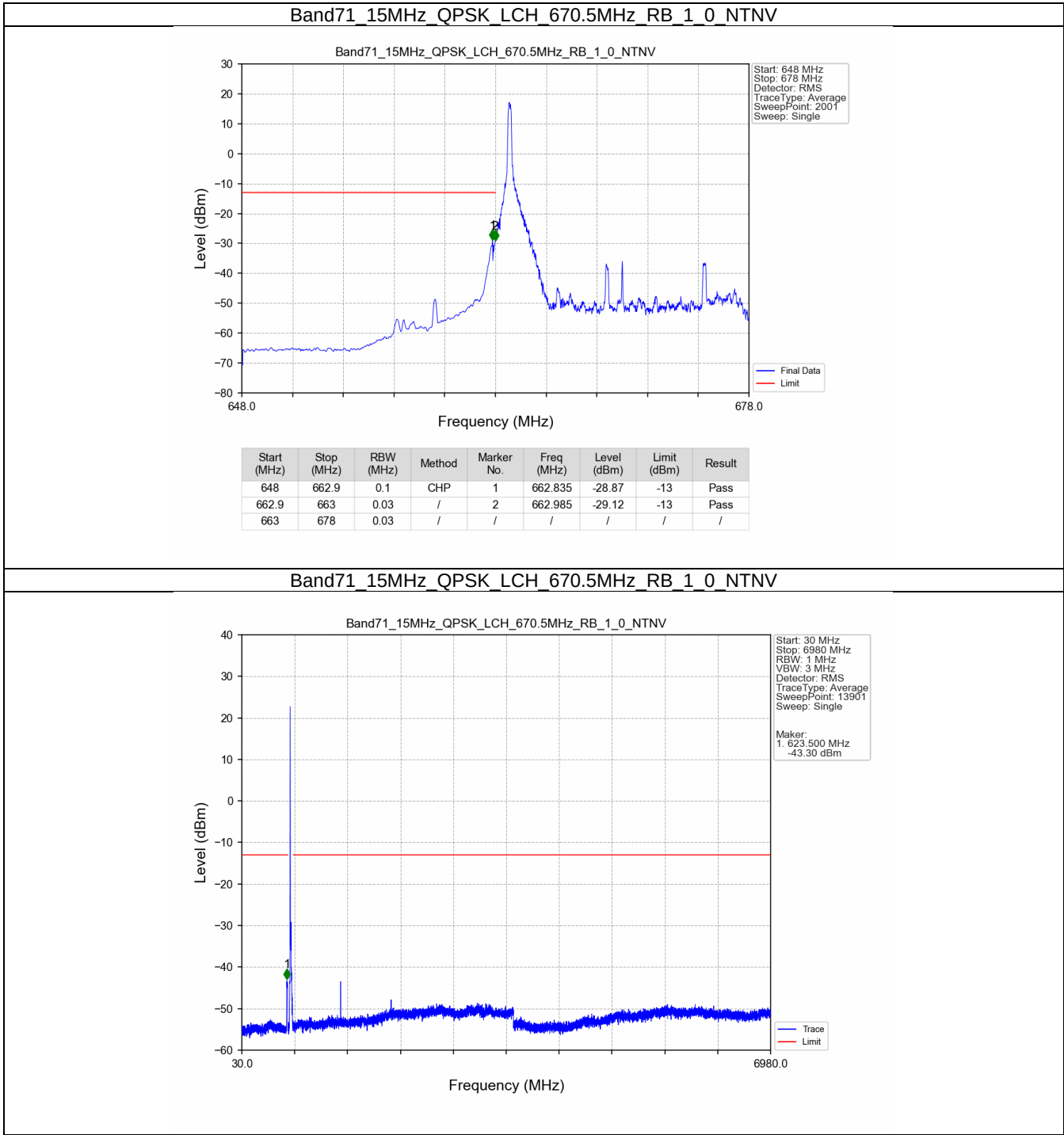
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.023	-26.48	-13	Pass
698.1	708	0.1	CHP	2	698.158	-28.72	-13	Pass

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV

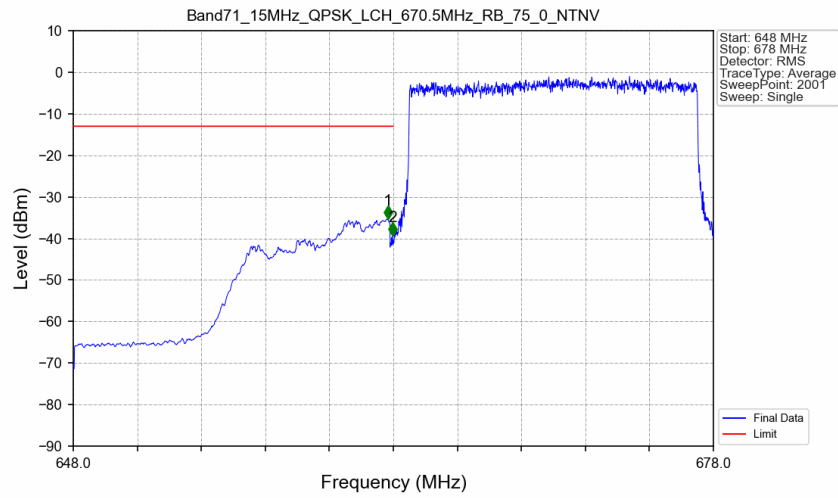


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.083	-36.76	-13	Pass
698.1	708	0.1	CHP	2	698.293	-33.57	-13	Pass

5.2.3 B71_15MHz

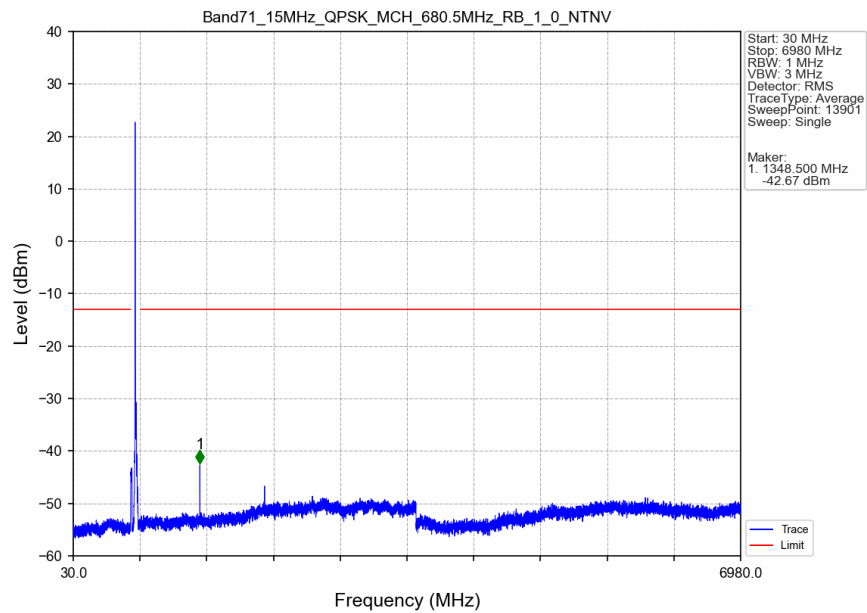


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

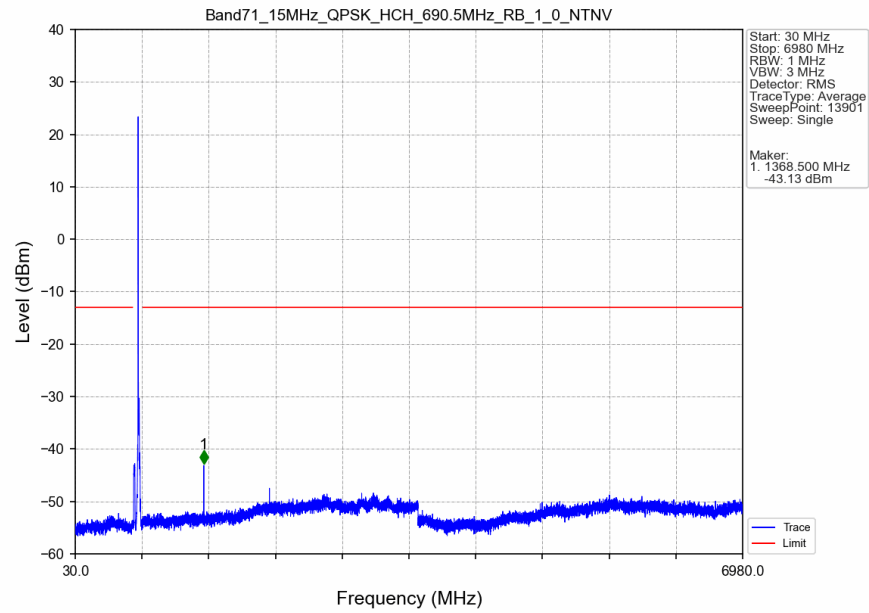


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.745	-35.37	-13	Pass
662.9	663	0.03	/	2	662.955	-39.30	-13	Pass
663	678	0.03	/	/	/	/	/	/

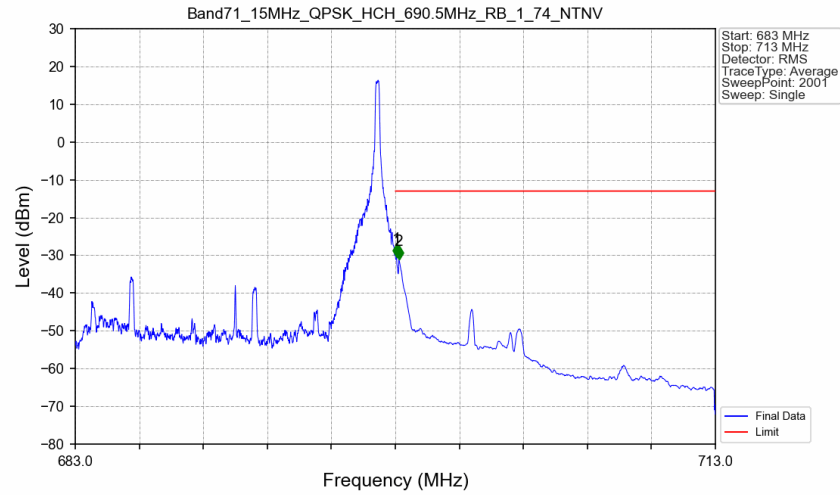
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

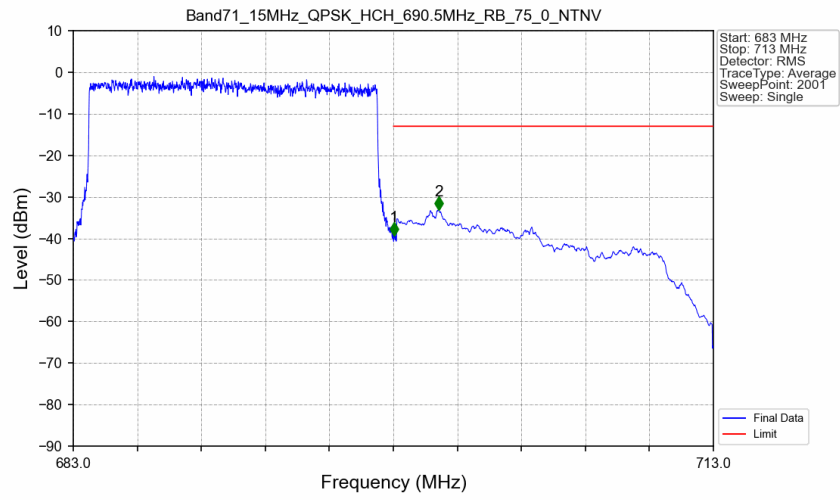


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



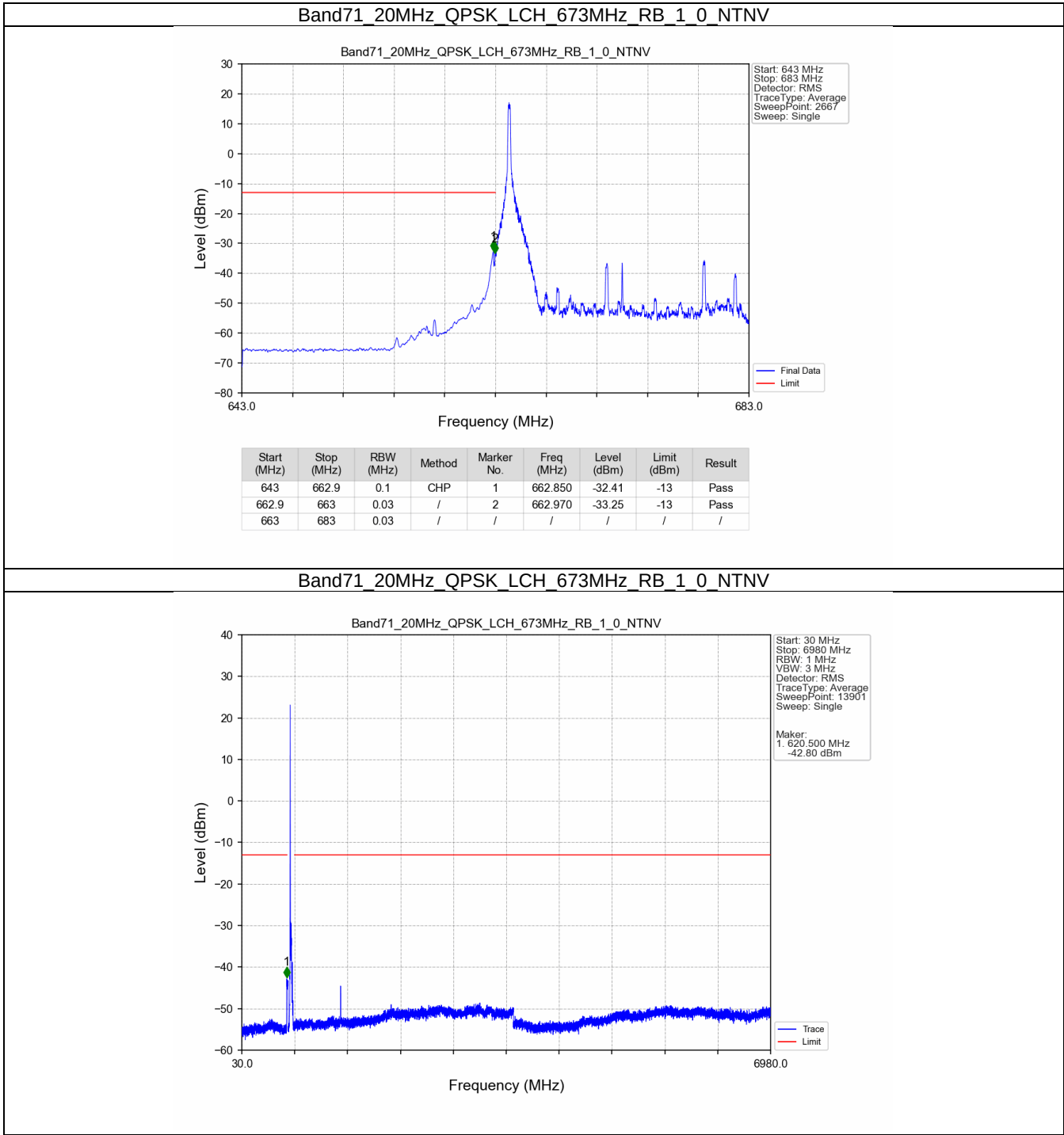
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.060	-30.45	-13	Pass
698.1	713	0.1	CHP	2	698.165	-31.02	-13	Pass

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV

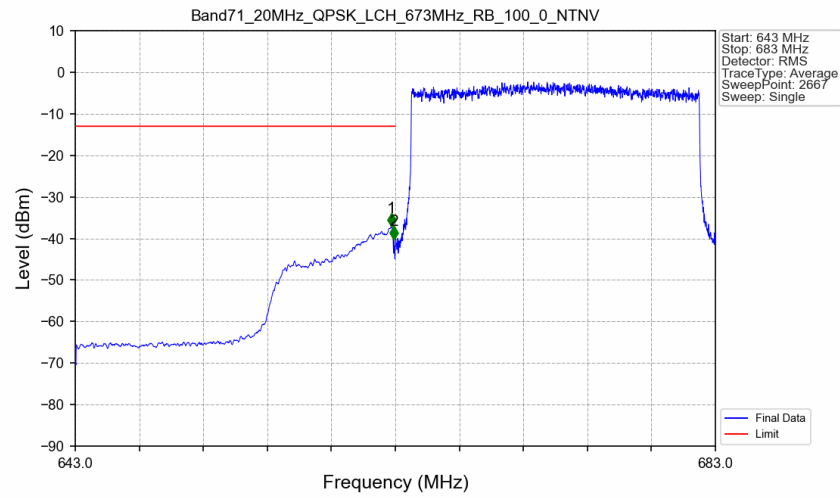


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-39.31	-13	Pass
698.1	713	0.1	CHP	2	700.130	-33.13	-13	Pass

5.2.4 B71_20MHz

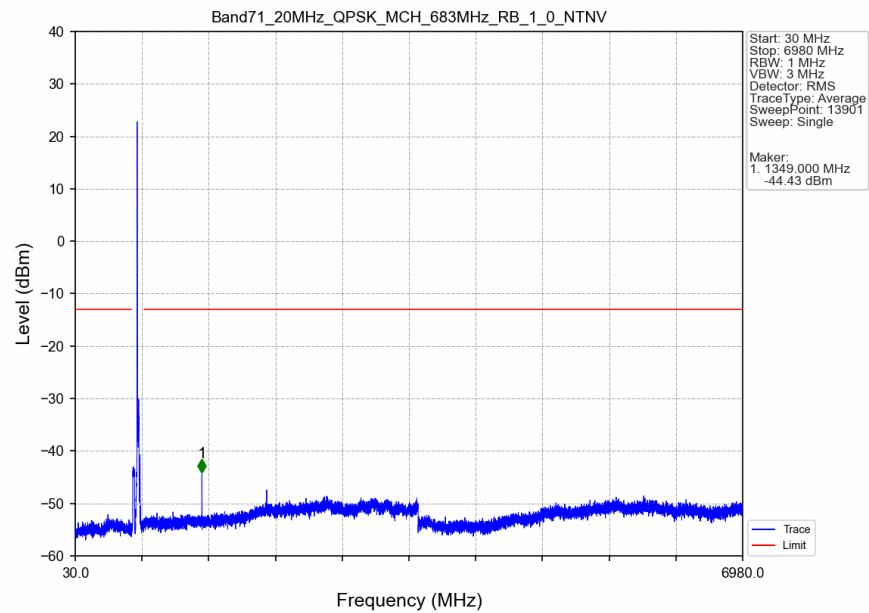


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

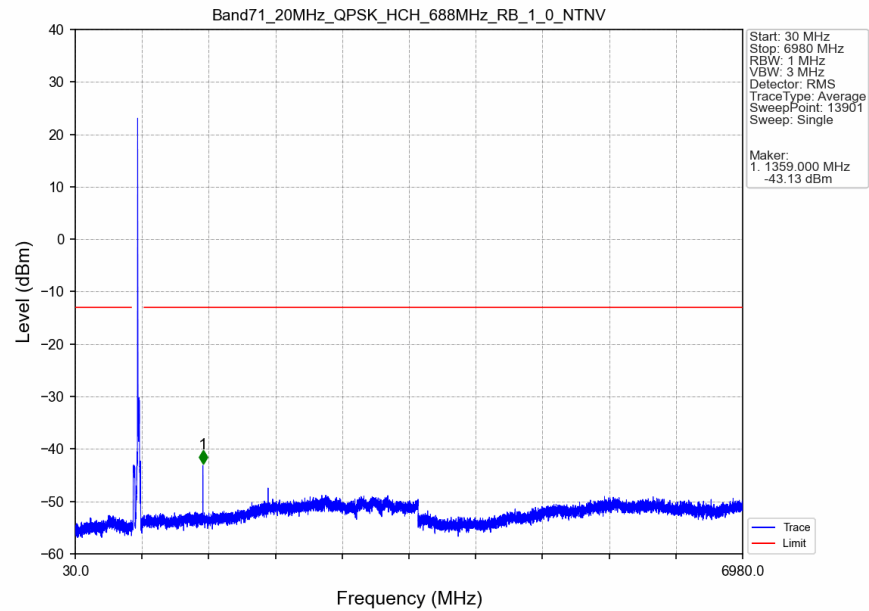


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.745	-37.18	-13	Pass
662.9	663	0.03	/	2	662.910	-40.14	-13	Pass
663	683	0.03	/	/	/	/	/	/

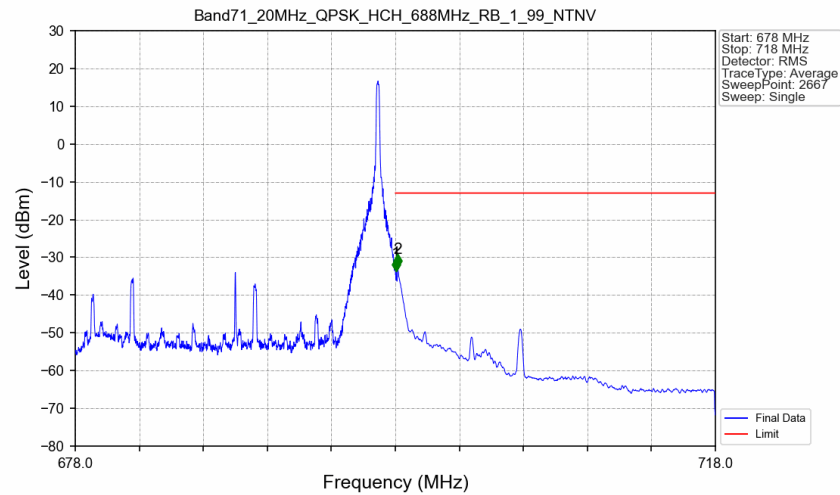
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

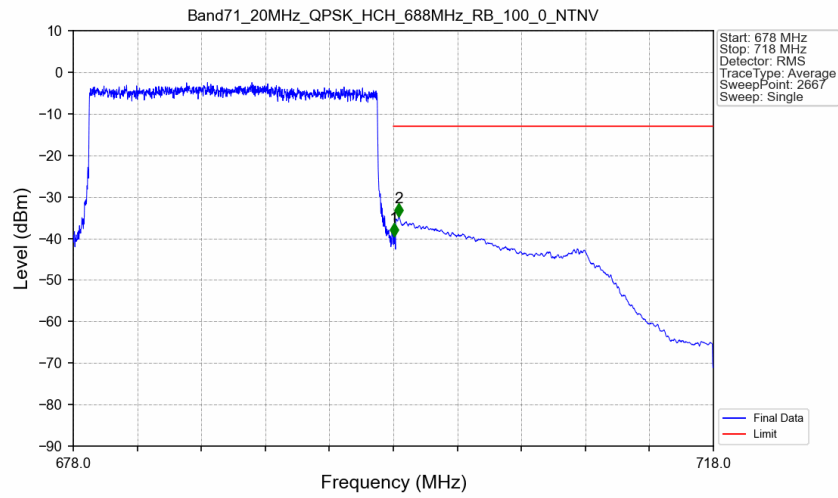


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-33.74	-13	Pass
698.1	718	0.1	CHP	2	698.150	-32.72	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-39.55	-13	Pass
698.1	718	0.1	CHP	2	698.345	-34.82	-13	Pass