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	23.97	0.90	22.72	<=34.77	Pass
			13	23.84	0.90	22.59	<=34.77	Pass
			24	23.88	0.90	22.63	<=34.77	Pass
		12	0	22.93	0.90	21.68	<=34.77	Pass
			6	23.01	0.90	21.76	<=34.77	Pass
			13	23.01	0.90	21.76	<=34.77	Pass
		25	0	23.08	0.90	21.83	<=34.77	Pass
	680.5	1	0	23.91	0.90	22.66	<=34.77	Pass
			13	23.84	0.90	22.59	<=34.77	Pass
			24	23.81	0.90	22.56	<=34.77	Pass
		12	0	22.92	0.90	21.67	<=34.77	Pass
			6	22.90	0.90	21.65	<=34.77	Pass
			13	22.86	0.90	21.61	<=34.77	Pass
		25	0	22.91	0.90	21.66	<=34.77	Pass
	695.5	1	0	23.87	0.90	22.62	<=34.77	Pass
			13	23.89	0.90	22.64	<=34.77	Pass
			24	23.85	0.90	22.60	<=34.77	Pass
		12	0	22.98	0.90	21.73	<=34.77	Pass
			6	22.95	0.90	21.70	<=34.77	Pass
			13	22.94	0.90	21.69	<=34.77	Pass
		25	0	22.99	0.90	21.74	<=34.77	Pass
16QAM	665.5	1	0	23.05	0.90	21.80	<=34.77	Pass
			13	23.19	0.90	21.94	<=34.77	Pass
			24	23.17	0.90	21.92	<=34.77	Pass
		12	0	22.09	0.90	20.84	<=34.77	Pass
			6	22.08	0.90	20.83	<=34.77	Pass
			13	22.12	0.90	20.87	<=34.77	Pass
		25	0	22.15	0.90	20.90	<=34.77	Pass
	680.5	1	0	23.08	0.90	21.83	<=34.77	Pass
			13	23.02	0.90	21.77	<=34.77	Pass
			24	22.87	0.90	21.62	<=34.77	Pass
		12	0	22.03	0.90	20.78	<=34.77	Pass
			6	21.97	0.90	20.72	<=34.77	Pass
			13	21.97	0.90	20.72	<=34.77	Pass
		25	0	22.01	0.90	20.76	<=34.77	Pass
	695.5	1	0	22.95	0.90	21.70	<=34.77	Pass
			13	22.60	0.90	21.35	<=34.77	Pass
			24	22.93	0.90	21.68	<=34.77	Pass
		12	0	21.98	0.90	20.73	<=34.77	Pass
			6	22.00	0.90	20.75	<=34.77	Pass
			13	22.01	0.90	20.76	<=34.77	Pass
		25	0	22.02	0.90	20.77	<=34.77	Pass
64QAM	665.5	1	0	22.14	0.90	20.89	<=34.77	Pass
			13	22.13	0.90	20.88	<=34.77	Pass
			24	22.16	0.90	20.91	<=34.77	Pass
		12	0	21.10	0.90	19.85	<=34.77	Pass
			6	21.11	0.90	19.86	<=34.77	Pass
			13	21.08	0.90	19.83	<=34.77	Pass
		25	0	21.09	0.90	19.84	<=34.77	Pass

	680.5	1	0	21.80	0.90	20.55	<=34.77	Pass
			13	21.81	0.90	20.56	<=34.77	Pass
			24	22.12	0.90	20.87	<=34.77	Pass
		12	0	21.03	0.90	19.78	<=34.77	Pass
			6	21.00	0.90	19.75	<=34.77	Pass
			13	20.99	0.90	19.74	<=34.77	Pass
		25	0	21.01	0.90	19.76	<=34.77	Pass
	695.5	1	0	21.93	0.90	20.68	<=34.77	Pass
			13	21.85	0.90	20.60	<=34.77	Pass
			24	22.06	0.90	20.81	<=34.77	Pass
		12	0	21.07	0.90	19.82	<=34.77	Pass
			6	21.06	0.90	19.81	<=34.77	Pass
			13	21.00	0.90	19.75	<=34.77	Pass
		25	0	21.05	0.90	19.80	<=34.77	Pass
256QAM	665.5	1	0	19.23	0.90	17.98	<=34.77	Pass
			13	19.07	0.90	17.82	<=34.77	Pass
			24	19.18	0.90	17.93	<=34.77	Pass
		12	0	19.04	0.90	17.79	<=34.77	Pass
			6	19.02	0.90	17.77	<=34.77	Pass
			13	19.07	0.90	17.82	<=34.77	Pass
		25	0	19.08	0.90	17.83	<=34.77	Pass
	680.5	1	0	18.99	0.90	17.74	<=34.77	Pass
			13	19.07	0.90	17.82	<=34.77	Pass
			24	19.02	0.90	17.77	<=34.77	Pass
		12	0	19.01	0.90	17.76	<=34.77	Pass
			6	18.91	0.90	17.66	<=34.77	Pass
			13	18.90	0.90	17.65	<=34.77	Pass
		25	0	19.00	0.90	17.75	<=34.77	Pass
	695.5	1	0	18.90	0.90	17.65	<=34.77	Pass
			13	19.04	0.90	17.79	<=34.77	Pass
			24	19.03	0.90	17.78	<=34.77	Pass
		12	0	18.99	0.90	17.74	<=34.77	Pass
			6	18.92	0.90	17.67	<=34.77	Pass
			13	18.94	0.90	17.69	<=34.77	Pass
		25	0	18.98	0.90	17.73	<=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	24.05	0.90	22.80	<=34.77	Pass
			25	23.94	0.90	22.69	<=34.77	Pass
			49	23.96	0.90	22.71	<=34.77	Pass
		25	0	23.08	0.90	21.83	<=34.77	Pass
			13	23.01	0.90	21.76	<=34.77	Pass
			25	23.02	0.90	21.77	<=34.77	Pass
		50	0	23.02	0.90	21.77	<=34.77	Pass
	680.5	1	0	23.91	0.90	22.66	<=34.77	Pass
			25	23.85	0.90	22.60	<=34.77	Pass
			49	23.80	0.90	22.55	<=34.77	Pass
		25	0	22.90	0.90	21.65	<=34.77	Pass
			13	22.88	0.90	21.63	<=34.77	Pass
			25	22.85	0.90	21.60	<=34.77	Pass
		50	0	22.88	0.90	21.63	<=34.77	Pass
	693	1	0	24.01	0.90	22.76	<=34.77	Pass

			25	23.67	0.90	22.42	<=34.77	Pass
			49	23.95	0.90	22.70	<=34.77	Pass
		25	0	22.99	0.90	21.74	<=34.77	Pass
			13	22.94	0.90	21.69	<=34.77	Pass
			25	22.90	0.90	21.65	<=34.77	Pass
		50	0	22.91	0.90	21.66	<=34.77	Pass
16QAM	668	1	0	23.12	0.90	21.87	<=34.77	Pass
			25	23.16	0.90	21.91	<=34.77	Pass
			49	23.19	0.90	21.94	<=34.77	Pass
		25	0	22.13	0.90	20.88	<=34.77	Pass
			13	22.07	0.90	20.82	<=34.77	Pass
			25	22.07	0.90	20.82	<=34.77	Pass
		50	0	22.07	0.90	20.82	<=34.77	Pass
	680.5	1	0	22.93	0.90	21.68	<=34.77	Pass
			25	23.04	0.90	21.79	<=34.77	Pass
			49	22.97	0.90	21.72	<=34.77	Pass
		25	0	22.01	0.90	20.76	<=34.77	Pass
			13	21.96	0.90	20.71	<=34.77	Pass
			25	21.90	0.90	20.65	<=34.77	Pass
		50	0	21.96	0.90	20.71	<=34.77	Pass
	693	1	0	23.04	0.90	21.79	<=34.77	Pass
			25	23.01	0.90	21.76	<=34.77	Pass
			49	23.02	0.90	21.77	<=34.77	Pass
		25	0	22.01	0.90	20.76	<=34.77	Pass
			13	21.98	0.90	20.73	<=34.77	Pass
			25	21.93	0.90	20.68	<=34.77	Pass
		50	0	21.96	0.90	20.71	<=34.77	Pass
64QAM	668	1	0	22.18	0.90	20.93	<=34.77	Pass
			25	21.70	0.90	20.45	<=34.77	Pass
			49	21.71	0.90	20.46	<=34.77	Pass
		25	0	21.08	0.90	19.83	<=34.77	Pass
			13	21.09	0.90	19.84	<=34.77	Pass
			25	21.08	0.90	19.83	<=34.77	Pass
		50	0	21.06	0.90	19.81	<=34.77	Pass
	680.5	1	0	21.86	0.90	20.61	<=34.77	Pass
			25	21.69	0.90	20.44	<=34.77	Pass
			49	21.62	0.90	20.37	<=34.77	Pass
		25	0	20.98	0.90	19.73	<=34.77	Pass
			13	20.96	0.90	19.71	<=34.77	Pass
			25	20.92	0.90	19.67	<=34.77	Pass
		50	0	20.93	0.90	19.68	<=34.77	Pass
	693	1	0	21.72	0.90	20.47	<=34.77	Pass
			25	21.72	0.90	20.47	<=34.77	Pass
			49	21.66	0.90	20.41	<=34.77	Pass
		25	0	20.99	0.90	19.74	<=34.77	Pass
			13	20.93	0.90	19.68	<=34.77	Pass
			25	20.92	0.90	19.67	<=34.77	Pass
		50	0	20.97	0.90	19.72	<=34.77	Pass
256QAM	668	1	0	18.98	0.90	17.73	<=34.77	Pass
			25	18.83	0.90	17.58	<=34.77	Pass
			49	19.10	0.90	17.85	<=34.77	Pass
		25	0	19.03	0.90	17.78	<=34.77	Pass
			13	19.06	0.90	17.81	<=34.77	Pass
			25	19.03	0.90	17.78	<=34.77	Pass
		50	0	19.01	0.90	17.76	<=34.77	Pass
	680.5	1	0	18.98	0.90	17.73	<=34.77	Pass
			25	19.04	0.90	17.79	<=34.77	Pass
			49	18.92	0.90	17.67	<=34.77	Pass
		25	0	18.97	0.90	17.72	<=34.77	Pass

			13	18.92	0.90	17.67	<=34.77	Pass
			25	18.90	0.90	17.65	<=34.77	Pass
		50	0	18.93	0.90	17.68	<=34.77	Pass
	693	1	0	18.97	0.90	17.72	<=34.77	Pass
			25	18.94	0.90	17.69	<=34.77	Pass
			49	18.97	0.90	17.72	<=34.77	Pass
		25	0	18.88	0.90	17.63	<=34.77	Pass
			13	18.92	0.90	17.67	<=34.77	Pass
			25	18.92	0.90	17.67	<=34.77	Pass
		50	0	18.94	0.90	17.69	<=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	23.80	0.90	22.55	<=34.77	Pass
			38	23.84	0.90	22.59	<=34.77	Pass
			74	23.83	0.90	22.58	<=34.77	Pass
		36	0	22.97	0.90	21.72	<=34.77	Pass
			18	22.90	0.90	21.65	<=34.77	Pass
			39	22.89	0.90	21.64	<=34.77	Pass
		75	0	22.93	0.90	21.68	<=34.77	Pass
	680.5	1	0	23.70	0.90	22.45	<=34.77	Pass
			38	23.87	0.90	22.62	<=34.77	Pass
			74	23.68	0.90	22.43	<=34.77	Pass
		36	0	22.85	0.90	21.60	<=34.77	Pass
			18	22.83	0.90	21.58	<=34.77	Pass
			39	22.77	0.90	21.52	<=34.77	Pass
		75	0	22.85	0.90	21.60	<=34.77	Pass
	690.5	1	0	23.79	0.90	22.54	<=34.77	Pass
			38	23.95	0.90	22.70	<=34.77	Pass
			74	23.79	0.90	22.54	<=34.77	Pass
		36	0	22.90	0.90	21.65	<=34.77	Pass
			18	22.89	0.90	21.64	<=34.77	Pass
			39	22.87	0.90	21.62	<=34.77	Pass
		75	0	22.90	0.90	21.65	<=34.77	Pass
16QAM	670.5	1	0	23.18	0.90	21.93	<=34.77	Pass
			38	22.98	0.90	21.73	<=34.77	Pass
			74	23.05	0.90	21.80	<=34.77	Pass
		36	0	22.03	0.90	20.78	<=34.77	Pass
			18	22.00	0.90	20.75	<=34.77	Pass
			39	21.93	0.90	20.68	<=34.77	Pass
		75	0	21.96	0.90	20.71	<=34.77	Pass
	680.5	1	0	23.20	0.90	21.95	<=34.77	Pass
			38	23.10	0.90	21.85	<=34.77	Pass
			74	23.00	0.90	21.75	<=34.77	Pass
		36	0	21.95	0.90	20.70	<=34.77	Pass
			18	21.92	0.90	20.67	<=34.77	Pass
			39	21.89	0.90	20.64	<=34.77	Pass
		75	0	21.90	0.90	20.65	<=34.77	Pass
	690.5	1	0	23.01	0.90	21.76	<=34.77	Pass
			38	23.20	0.90	21.95	<=34.77	Pass
			74	22.92	0.90	21.67	<=34.77	Pass
		36	0	21.97	0.90	20.72	<=34.77	Pass
			18	21.94	0.90	20.69	<=34.77	Pass

			39	21.89	0.90	20.64	<=34.77	Pass
		75	0	21.91	0.90	20.66	<=34.77	Pass
64QAM	670.5	1	0	22.18	0.90	20.93	<=34.77	Pass
			38	22.21	0.90	20.96	<=34.77	Pass
			74	22.00	0.90	20.75	<=34.77	Pass
		36	0	21.07	0.90	19.82	<=34.77	Pass
			18	20.99	0.90	19.74	<=34.77	Pass
			39	20.96	0.90	19.71	<=34.77	Pass
		75	0	20.96	0.90	19.71	<=34.77	Pass
	680.5	1	0	21.89	0.90	20.64	<=34.77	Pass
			38	21.68	0.90	20.43	<=34.77	Pass
			74	21.78	0.90	20.53	<=34.77	Pass
		36	0	20.97	0.90	19.72	<=34.77	Pass
			18	20.92	0.90	19.67	<=34.77	Pass
			39	20.86	0.90	19.61	<=34.77	Pass
		75	0	20.87	0.90	19.62	<=34.77	Pass
	690.5	1	0	22.18	0.90	20.93	<=34.77	Pass
			38	22.11	0.90	20.86	<=34.77	Pass
			74	21.96	0.90	20.71	<=34.77	Pass
		36	0	20.96	0.90	19.71	<=34.77	Pass
			18	20.91	0.90	19.66	<=34.77	Pass
			39	20.91	0.90	19.66	<=34.77	Pass
		75	0	20.92	0.90	19.67	<=34.77	Pass
256QAM	670.5	1	0	19.12	0.90	17.87	<=34.77	Pass
			38	18.94	0.90	17.69	<=34.77	Pass
			74	19.05	0.90	17.80	<=34.77	Pass
		36	0	19.01	0.90	17.76	<=34.77	Pass
			18	19.00	0.90	17.75	<=34.77	Pass
			39	18.93	0.90	17.68	<=34.77	Pass
		75	0	18.96	0.90	17.71	<=34.77	Pass
	680.5	1	0	19.04	0.90	17.79	<=34.77	Pass
			38	18.97	0.90	17.72	<=34.77	Pass
			74	18.88	0.90	17.63	<=34.77	Pass
		36	0	18.90	0.90	17.65	<=34.77	Pass
			18	18.87	0.90	17.62	<=34.77	Pass
			39	18.85	0.90	17.60	<=34.77	Pass
		75	0	18.88	0.90	17.63	<=34.77	Pass
	690.5	1	0	19.08	0.90	17.83	<=34.77	Pass
			38	18.85	0.90	17.60	<=34.77	Pass
			74	18.81	0.90	17.56	<=34.77	Pass
		36	0	18.96	0.90	17.71	<=34.77	Pass
			18	18.90	0.90	17.65	<=34.77	Pass
			39	18.88	0.90	17.63	<=34.77	Pass
		75	0	18.90	0.90	17.65	<=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	23.90	0.90	22.65	<=34.77	Pass
			50	23.85	0.90	22.60	<=34.77	Pass
			99	23.77	0.90	22.52	<=34.77	Pass
		50	0	22.90	0.90	21.65	<=34.77	Pass
			25	22.91	0.90	21.66	<=34.77	Pass
			50	22.86	0.90	21.61	<=34.77	Pass

		100	0	22.86	0.90	21.61	<=34.77	Pass
	683	1	0	23.87	0.90	22.62	<=34.77	Pass
			50	23.80	0.90	22.55	<=34.77	Pass
			99	23.59	0.90	22.34	<=34.77	Pass
		50	0	22.87	0.90	21.62	<=34.77	Pass
			25	22.81	0.90	21.56	<=34.77	Pass
			50	22.79	0.90	21.54	<=34.77	Pass
		100	0	22.84	0.90	21.59	<=34.77	Pass
	688	1	0	23.93	0.90	22.68	<=34.77	Pass
			50	23.81	0.90	22.56	<=34.77	Pass
			99	23.67	0.90	22.42	<=34.77	Pass
		50	0	22.90	0.90	21.65	<=34.77	Pass
			25	22.91	0.90	21.66	<=34.77	Pass
			50	22.87	0.90	21.62	<=34.77	Pass
		100	0	22.90	0.90	21.65	<=34.77	Pass
16QAM	673	1	0	23.25	0.90	22.00	<=34.77	Pass
			50	23.16	0.90	21.91	<=34.77	Pass
			99	22.93	0.90	21.68	<=34.77	Pass
		50	0	21.98	0.90	20.73	<=34.77	Pass
			25	21.94	0.90	20.69	<=34.77	Pass
			50	21.92	0.90	20.67	<=34.77	Pass
		100	0	21.97	0.90	20.72	<=34.77	Pass
	683	1	0	22.97	0.90	21.72	<=34.77	Pass
			50	22.99	0.90	21.74	<=34.77	Pass
			99	22.89	0.90	21.64	<=34.77	Pass
		50	0	22.00	0.90	20.75	<=34.77	Pass
			25	21.91	0.90	20.66	<=34.77	Pass
			50	21.85	0.90	20.60	<=34.77	Pass
		100	0	21.91	0.90	20.66	<=34.77	Pass
	688	1	0	23.10	0.90	21.85	<=34.77	Pass
			50	23.08	0.90	21.83	<=34.77	Pass
			99	22.93	0.90	21.68	<=34.77	Pass
		50	0	22.01	0.90	20.76	<=34.77	Pass
			25	21.96	0.90	20.71	<=34.77	Pass
			50	21.96	0.90	20.71	<=34.77	Pass
		100	0	21.97	0.90	20.72	<=34.77	Pass
64QAM	673	1	0	21.98	0.90	20.73	<=34.77	Pass
			50	21.32	0.90	20.07	<=34.77	Pass
			99	21.90	0.90	20.65	<=34.77	Pass
		50	0	20.96	0.90	19.71	<=34.77	Pass
			25	20.94	0.90	19.69	<=34.77	Pass
			50	20.93	0.90	19.68	<=34.77	Pass
		100	0	20.96	0.90	19.71	<=34.77	Pass
	683	1	0	22.01	0.90	20.76	<=34.77	Pass
			50	21.96	0.90	20.71	<=34.77	Pass
			99	21.66	0.90	20.41	<=34.77	Pass
		50	0	20.99	0.90	19.74	<=34.77	Pass
			25	20.94	0.90	19.69	<=34.77	Pass
			50	20.84	0.90	19.59	<=34.77	Pass
		100	0	20.90	0.90	19.65	<=34.77	Pass
	688	1	0	22.00	0.90	20.75	<=34.77	Pass
			50	22.02	0.90	20.77	<=34.77	Pass
			99	21.93	0.90	20.68	<=34.77	Pass
		50	0	21.02	0.90	19.77	<=34.77	Pass
			25	20.99	0.90	19.74	<=34.77	Pass
			50	20.91	0.90	19.66	<=34.77	Pass
		100	0	20.97	0.90	19.72	<=34.77	Pass
256QAM	673	1	0	19.12	0.90	17.87	<=34.77	Pass
			50	18.98	0.90	17.73	<=34.77	Pass

			99	18.99	0.90	17.74	<=34.77	Pass
		50	0	18.96	0.90	17.71	<=34.77	Pass
			25	18.98	0.90	17.73	<=34.77	Pass
			50	18.89	0.90	17.64	<=34.77	Pass
		100	0	18.96	0.90	17.71	<=34.77	Pass
	683	1	0	19.01	0.90	17.76	<=34.77	Pass
			50	19.03	0.90	17.78	<=34.77	Pass
			99	18.66	0.90	17.41	<=34.77	Pass
		50	0	18.97	0.90	17.72	<=34.77	Pass
			25	18.88	0.90	17.63	<=34.77	Pass
			50	18.82	0.90	17.57	<=34.77	Pass
		100	0	18.91	0.90	17.66	<=34.77	Pass
	688	1	0	19.03	0.90	17.78	<=34.77	Pass
			50	19.02	0.90	17.77	<=34.77	Pass
			99	18.96	0.90	17.71	<=34.77	Pass
		50	0	19.00	0.90	17.75	<=34.77	Pass
			25	18.97	0.90	17.72	<=34.77	Pass
			50	18.91	0.90	17.66	<=34.77	Pass
		100	0	18.95	0.90	17.70	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	680.5	50	0	20	3.8	-1.500	-0.0022	-2.5 to 2.5	Pass
					4	2.600	0.0038	-2.5 to 2.5	Pass
					4.2	-1.200	-0.0018	-2.5 to 2.5	Pass
				-30	4	1.100	0.0016	-2.5 to 2.5	Pass
				-20	4	-1.400	-0.0021	-2.5 to 2.5	Pass
				-10	4	-2.000	-0.0029	-2.5 to 2.5	Pass
				0	4	0.800	0.0012	-2.5 to 2.5	Pass
				10	4	1.800	0.0026	-2.5 to 2.5	Pass
				30	4	-2.200	-0.0032	-2.5 to 2.5	Pass
				40	4	-1.900	-0.0028	-2.5 to 2.5	Pass
				50	4	-2.500	-0.0037	-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	4.545	/	Pass
	16QAM	680.5	25	0	4.529	/	Pass
10	QPSK	680.5	50	0	9.105	/	Pass
	16QAM	680.5	50	0	9.042	/	Pass
15	QPSK	680.5	75	0	13.604	/	Pass
	16QAM	680.5	75	0	13.596	/	Pass
20	QPSK	683	100	0	18.103	/	Pass
	16QAM	683	100	0	18.118	/	Pass

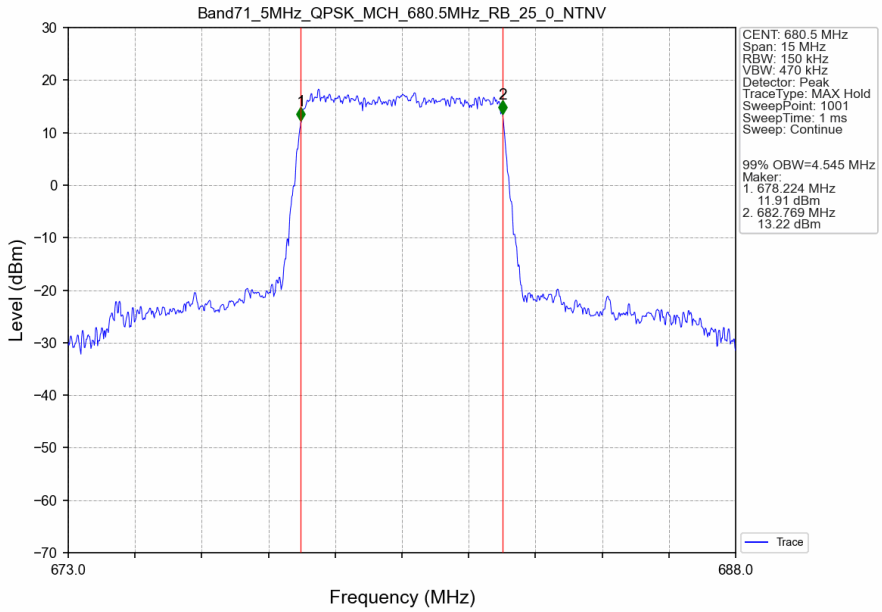
3.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	5.028	/	Pass
	16QAM	680.5	25	0	5.070	/	Pass
10	QPSK	680.5	50	0	9.986	/	Pass
	16QAM	680.5	50	0	9.958	/	Pass
15	QPSK	680.5	75	0	15.069	/	Pass
	16QAM	680.5	75	0	14.900	/	Pass
20	QPSK	683	100	0	19.810	/	Pass
	16QAM	683	100	0	19.844	/	Pass

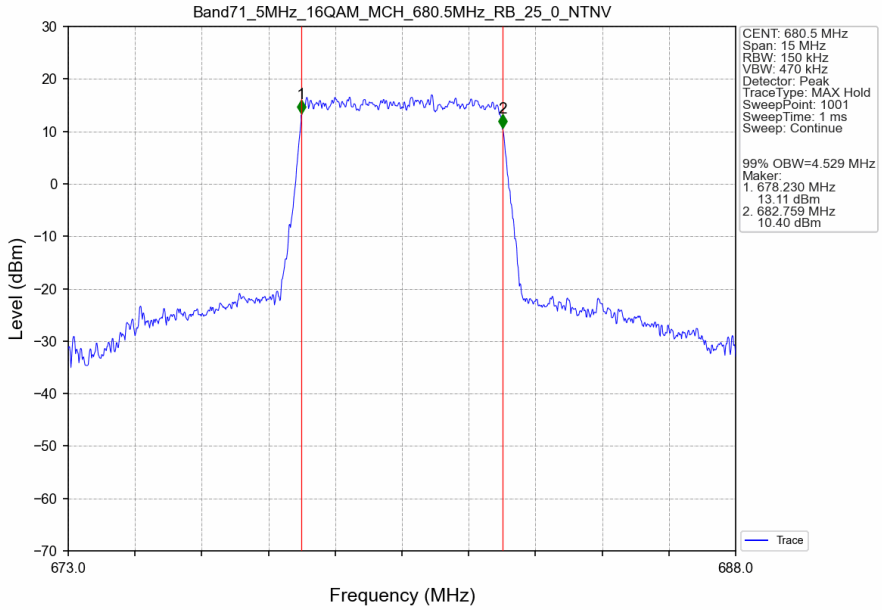
3.2 Test Graph

3.2.1 Band71_OBW

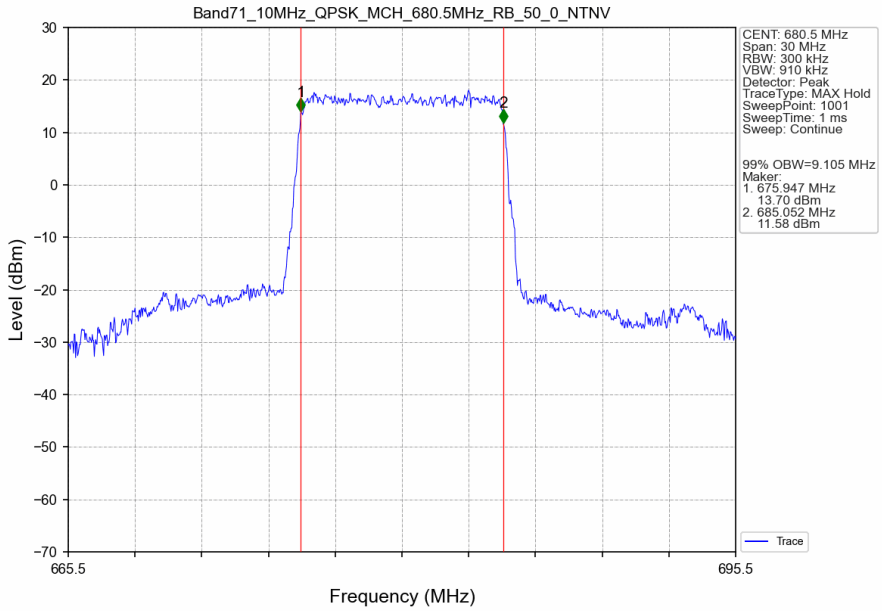
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



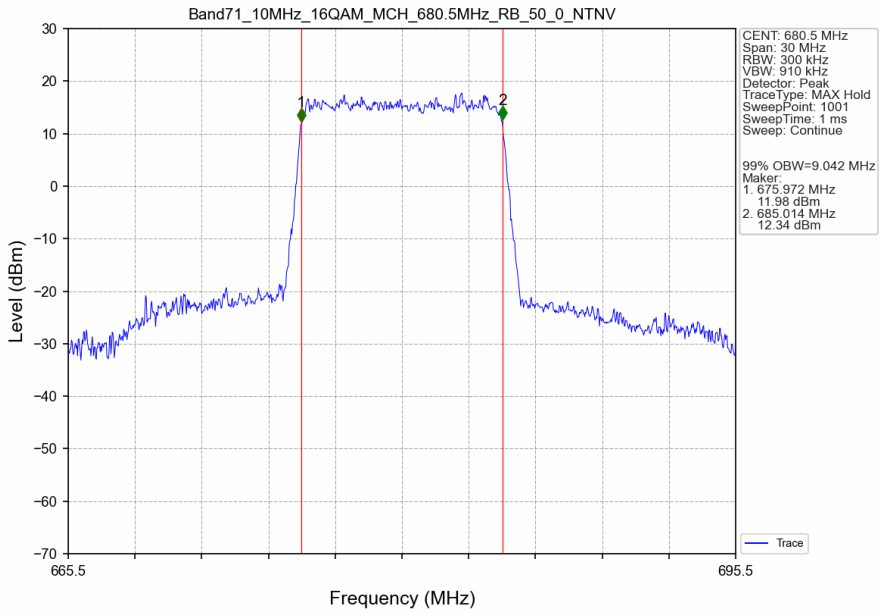
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



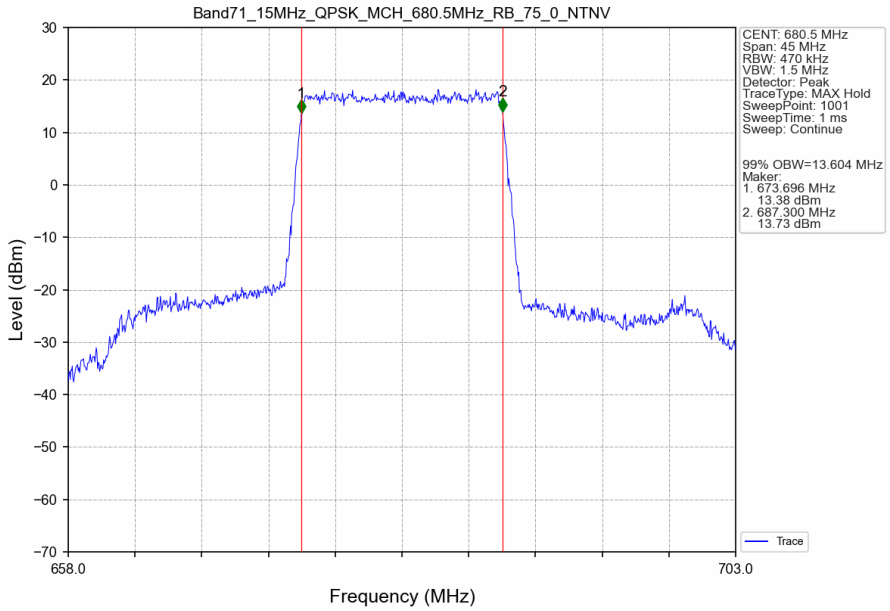
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



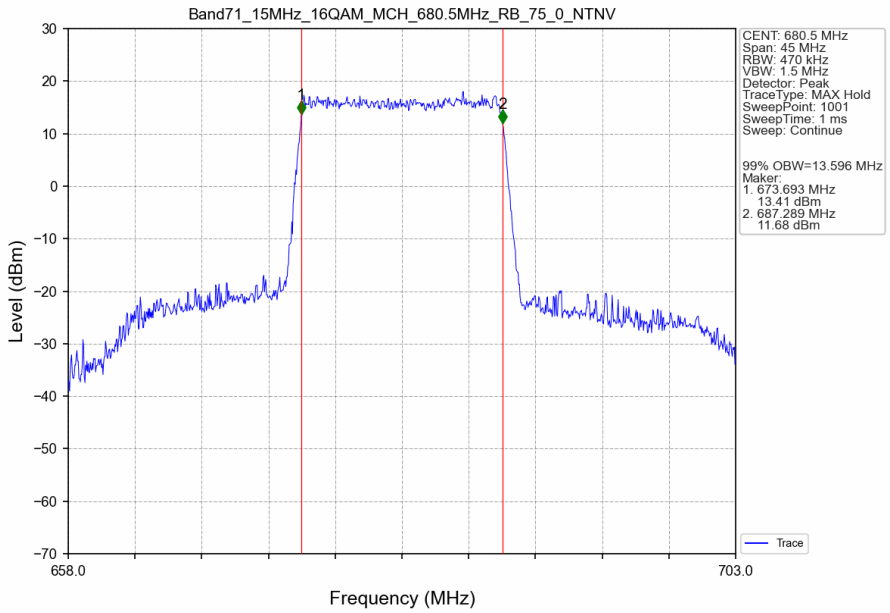
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



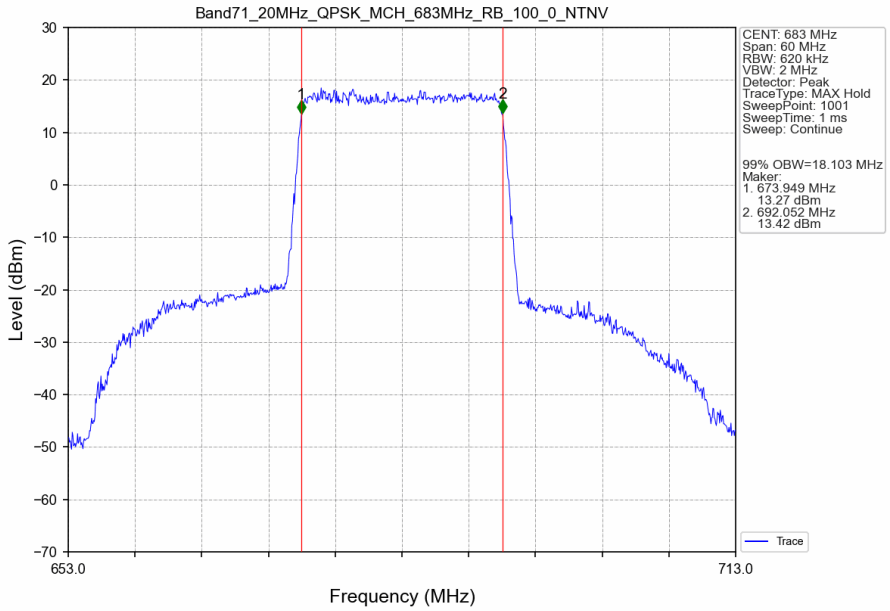
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



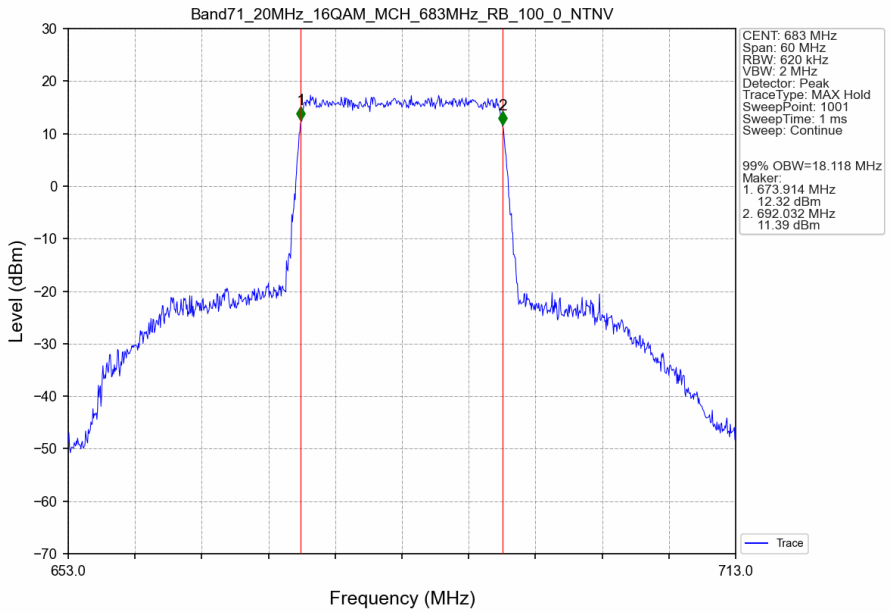
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



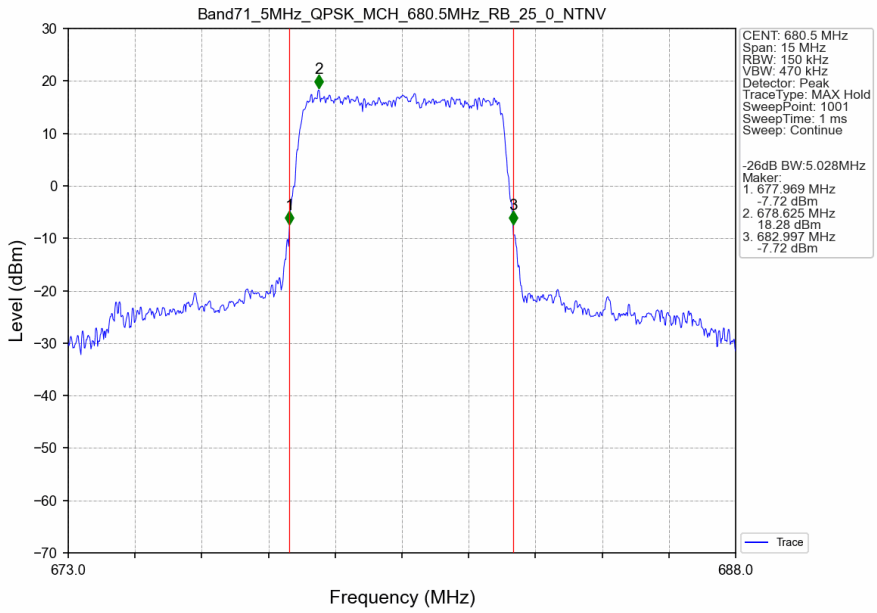
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV

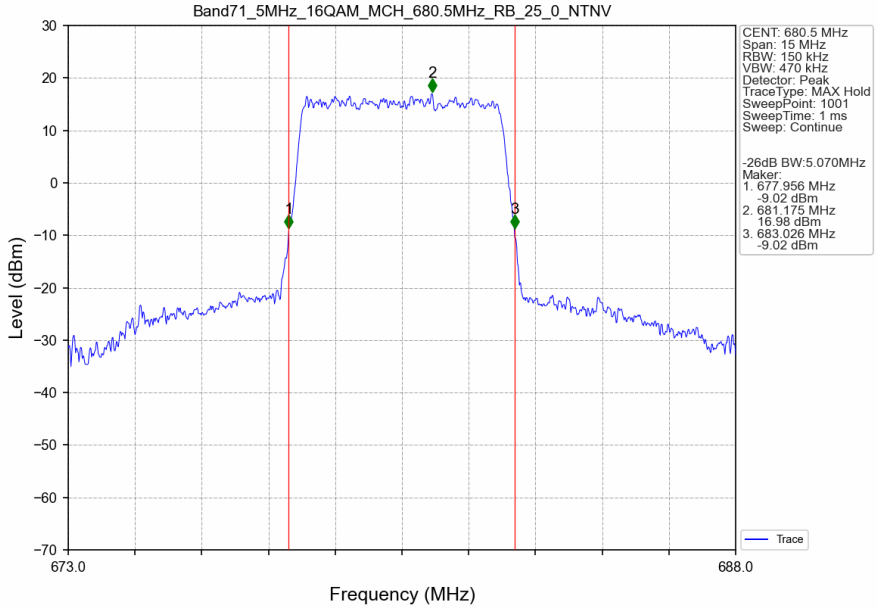


Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

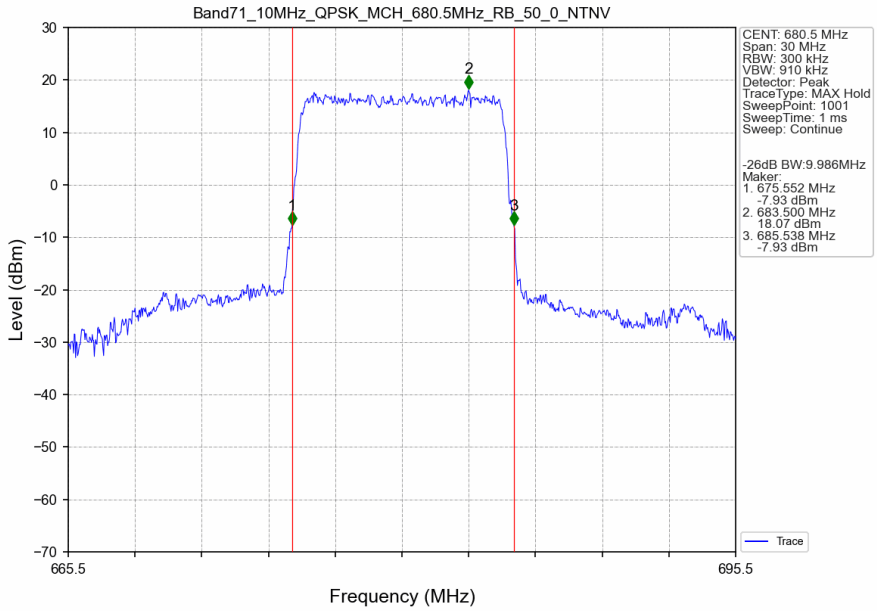


3.2.2 Band71_XDB

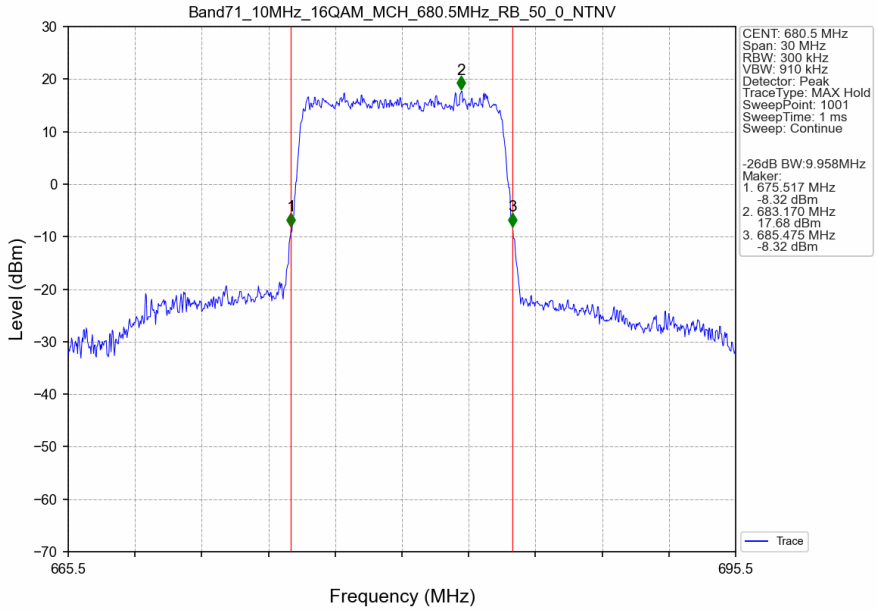
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV


Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV


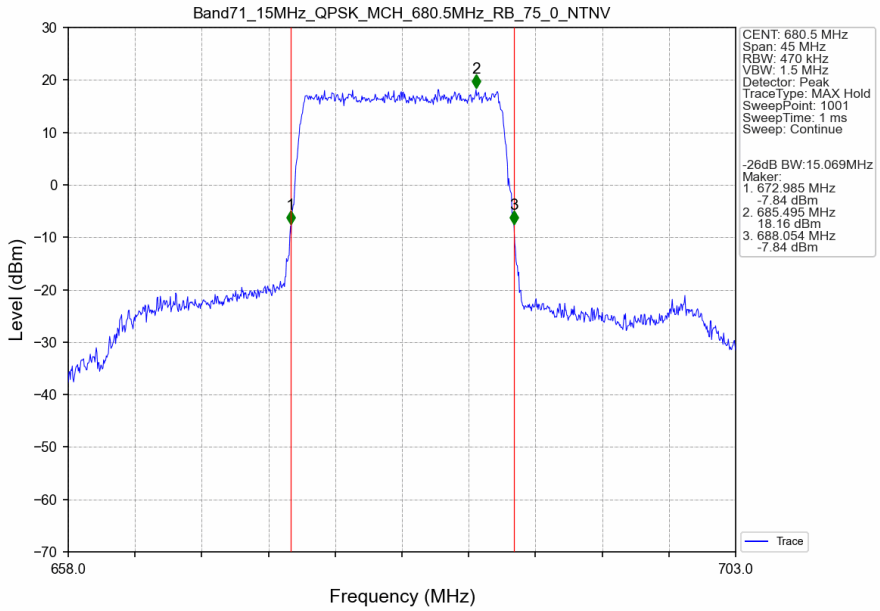
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



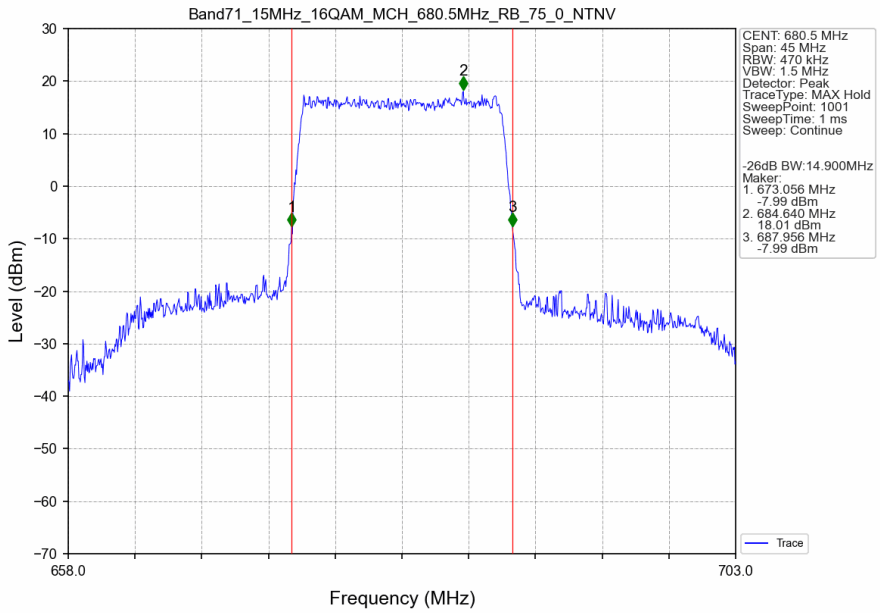
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



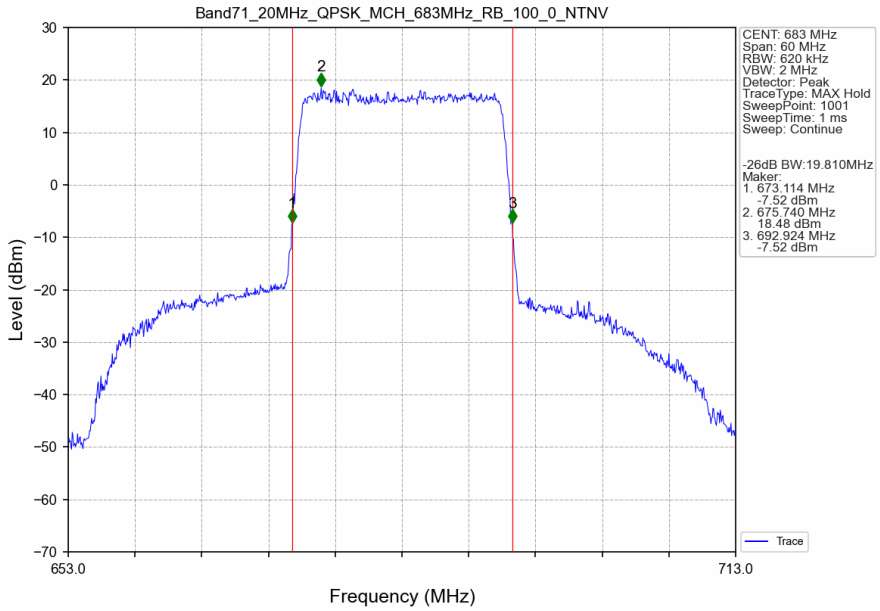
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



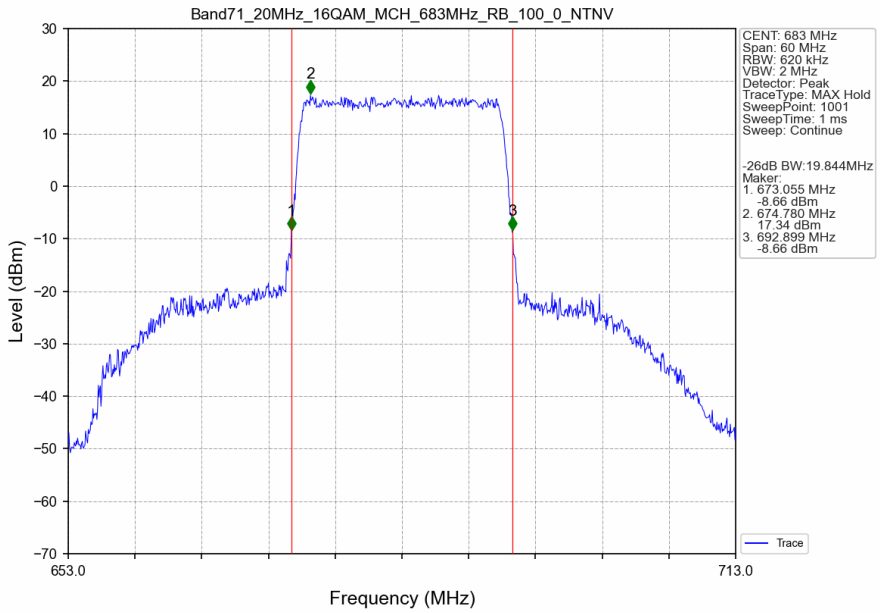
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

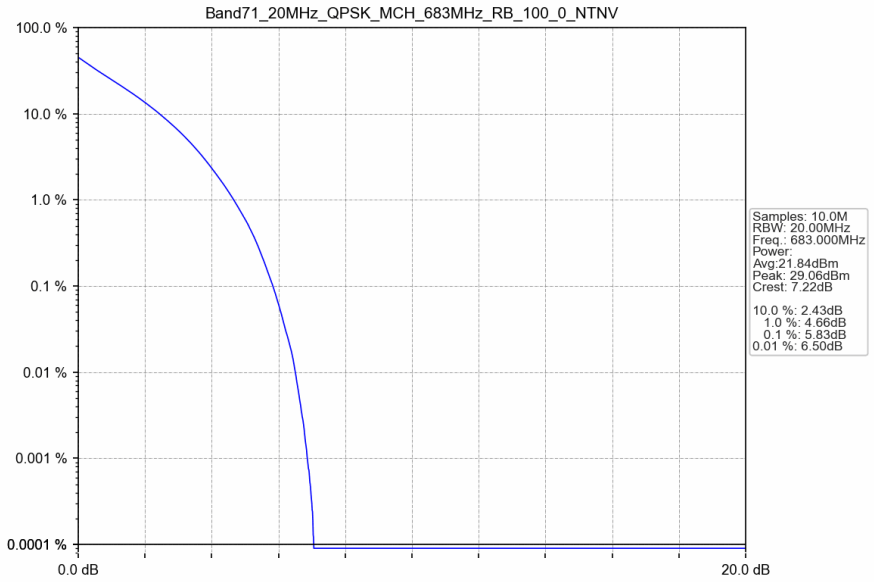
4.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	5.83	<=13	Pass
16QAM	683	100	0	6.51	<=13	Pass
64QAM	683	100	0	6.64	<=13	Pass
256QAM	683	100	0	6.65	<=13	Pass

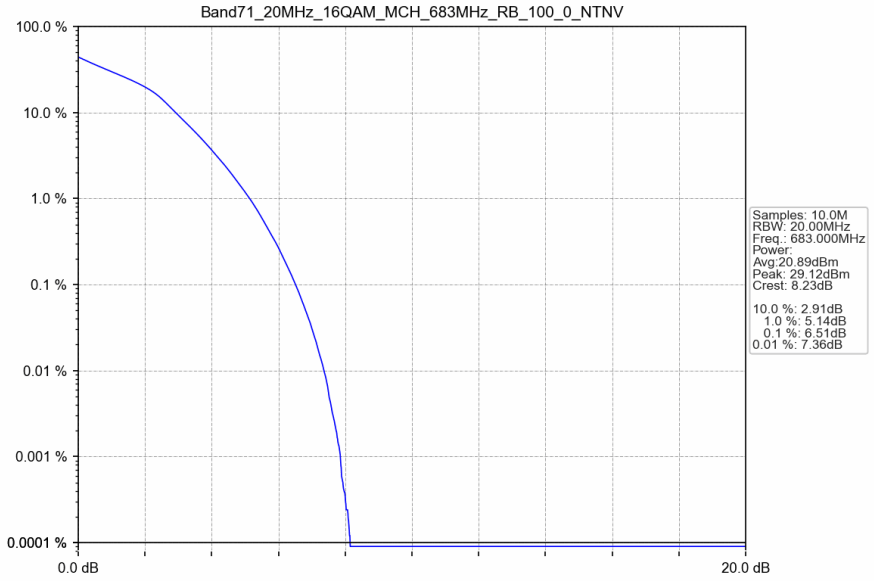
4.2 Test Graph

4.2.1 B71_20MHz

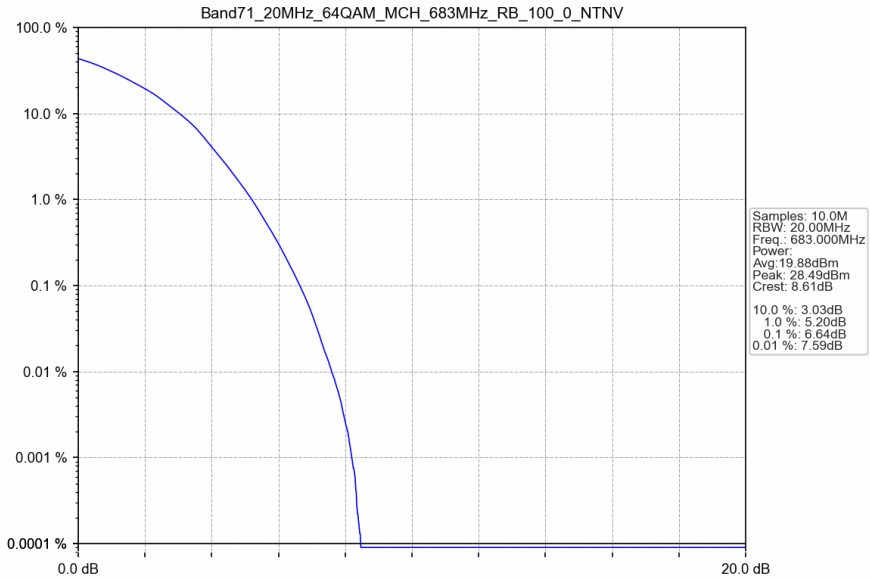
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



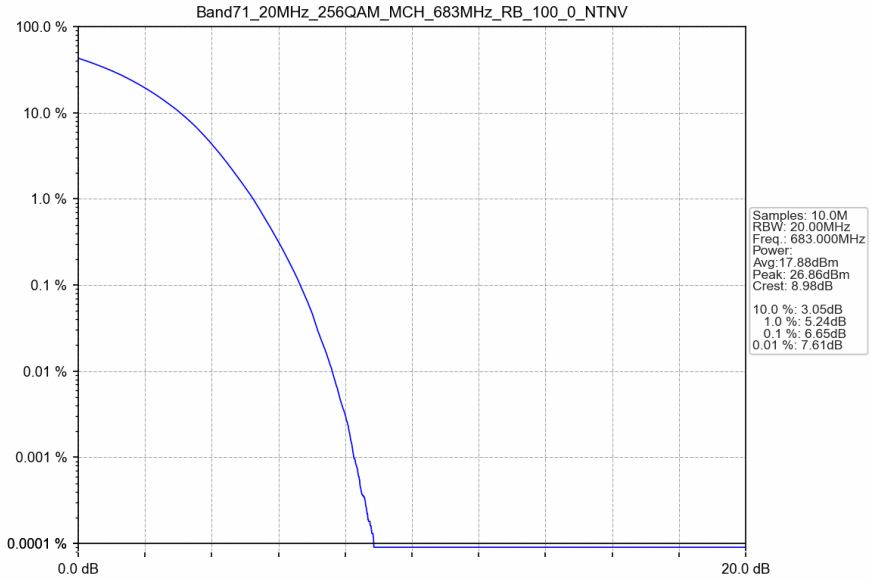
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
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 / NTNV						
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		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
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

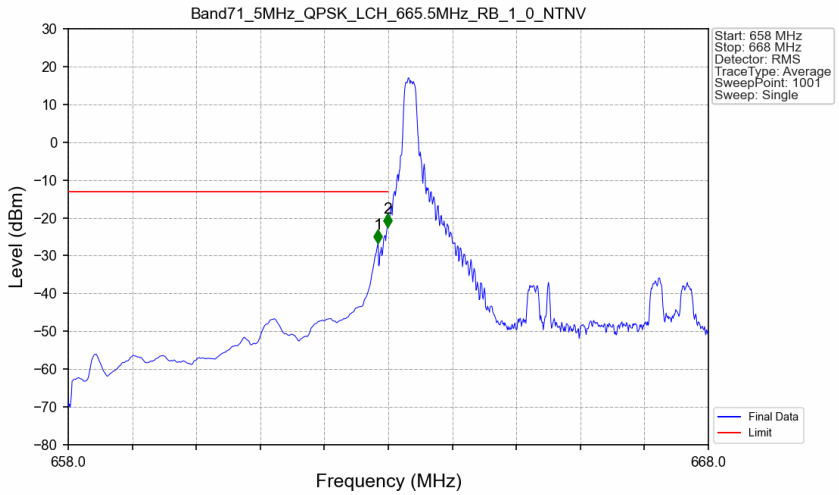
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
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

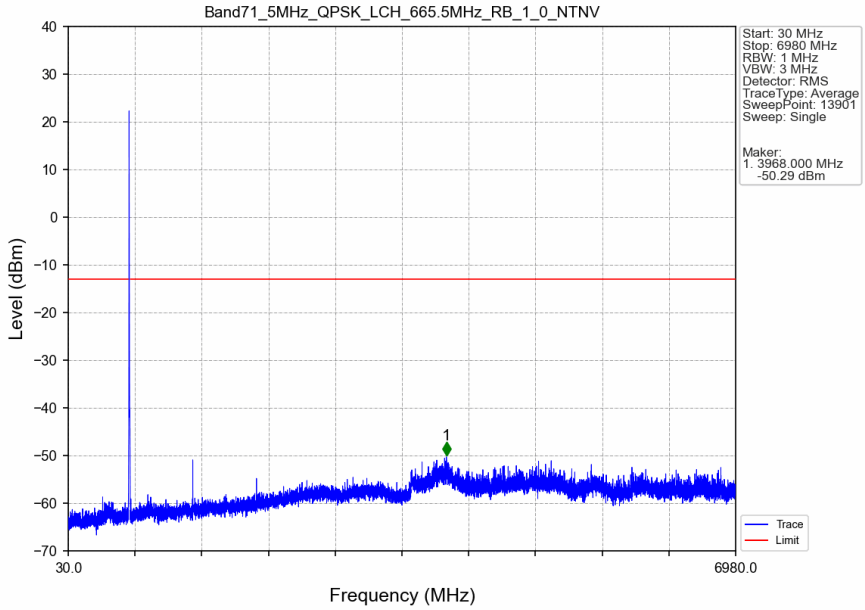
5.2.1 B71_5MHz

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

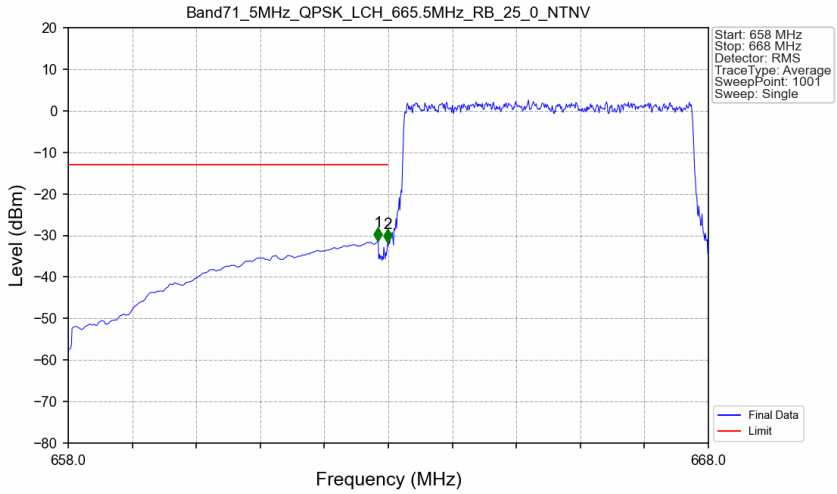


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-26.61	-13	Pass
662.9	663	0.03	/	2	662.990	-22.51	-13	Pass
663	668	0.03	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

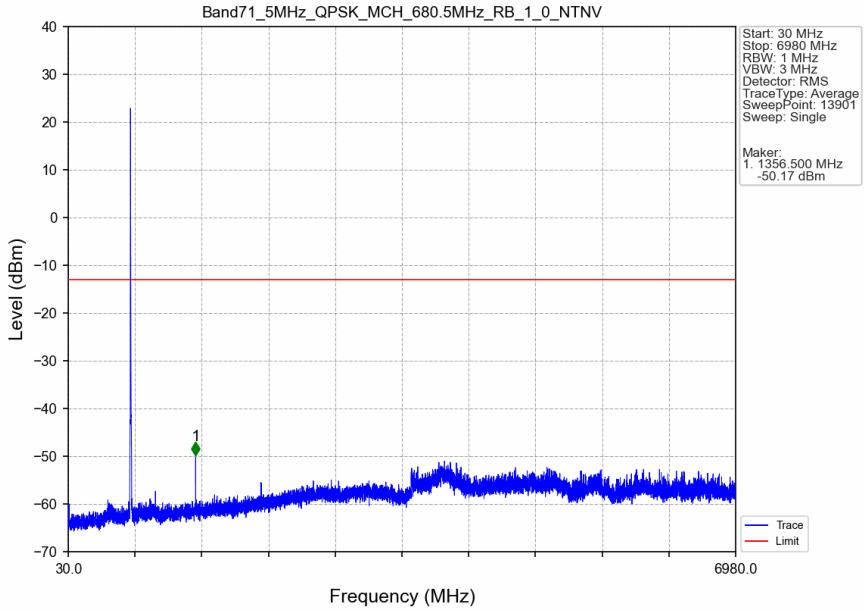


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

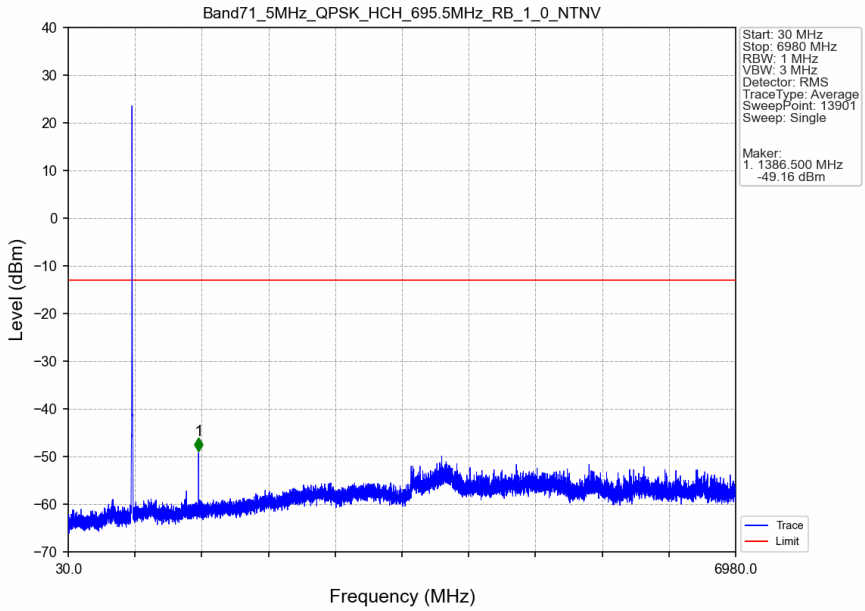


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-31.25	-13	Pass
662.9	663	0.03	/	2	662.990	-31.76	-13	Pass
663	668	0.03	/	/	/	/	/	/

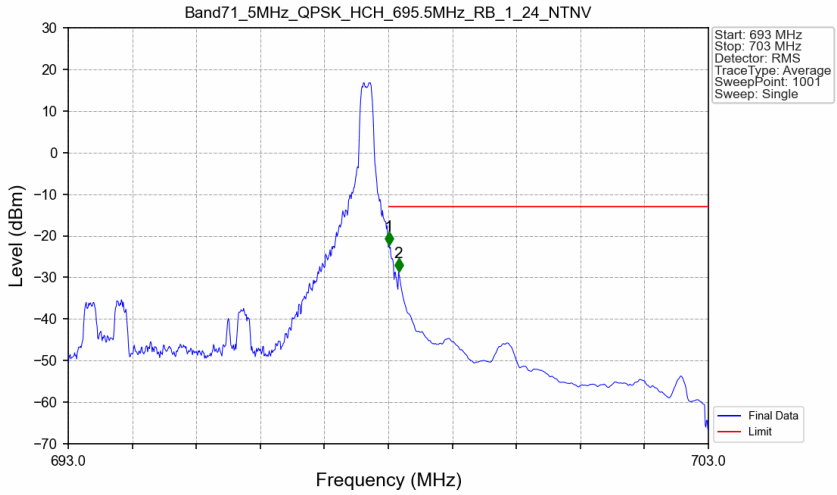
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

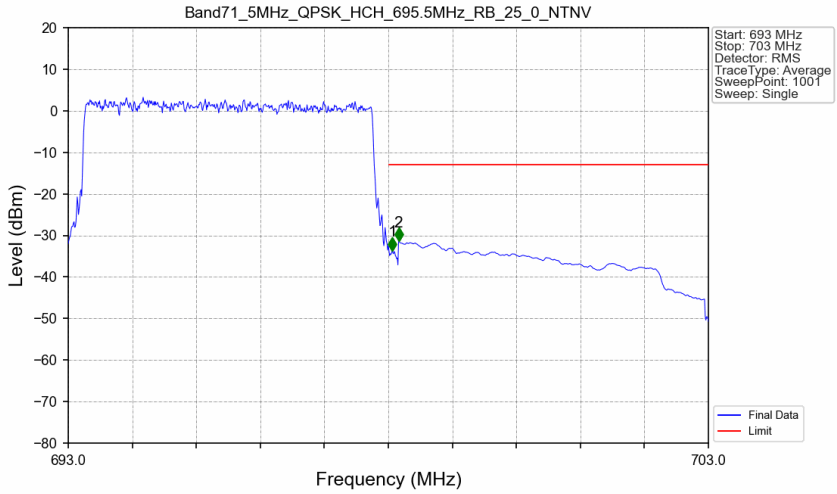


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



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	698.010	-22.24	-13	Pass
698.1	703	0.1	CHP	2	698.160	-28.56	-13	Pass

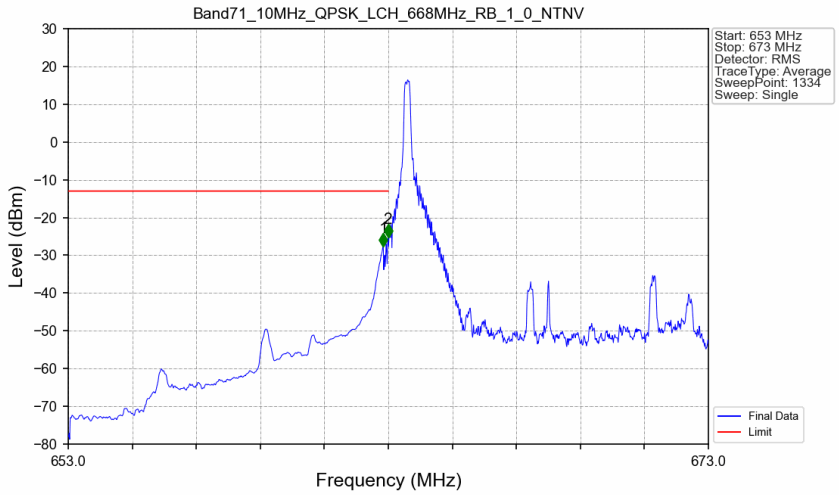
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



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	698.060	-33.59	-13	Pass
698.1	703	0.1	CHP	2	698.160	-31.33	-13	Pass

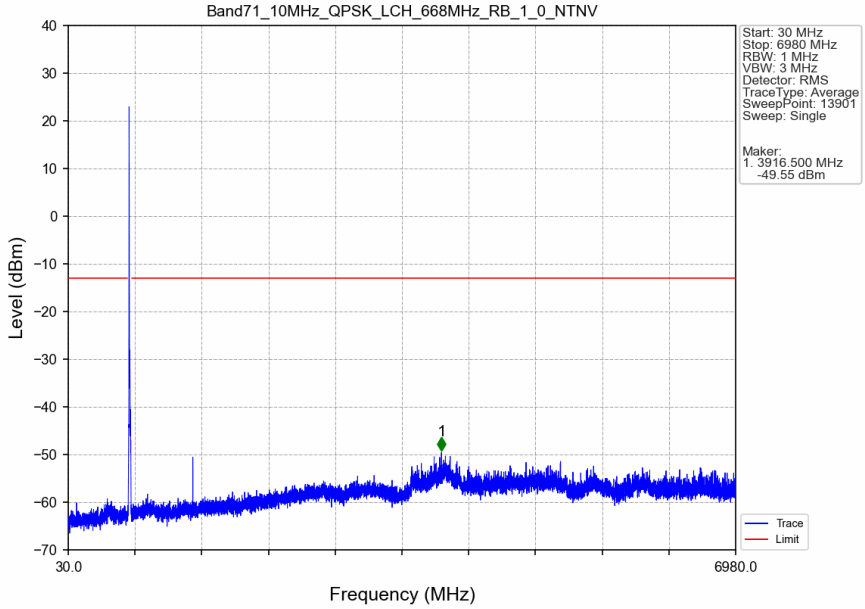
5.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

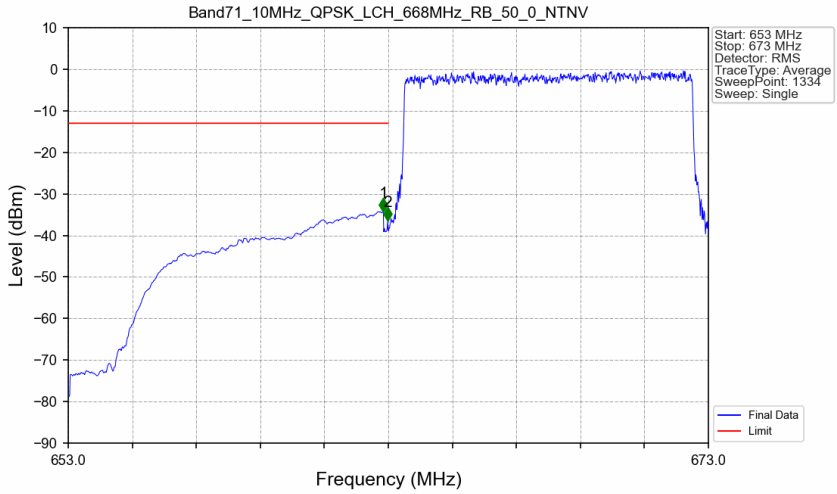


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-27.69	-13	Pass
662.9	663	0.03	/	2	662.992	-25.29	-13	Pass
663	673	0.03	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

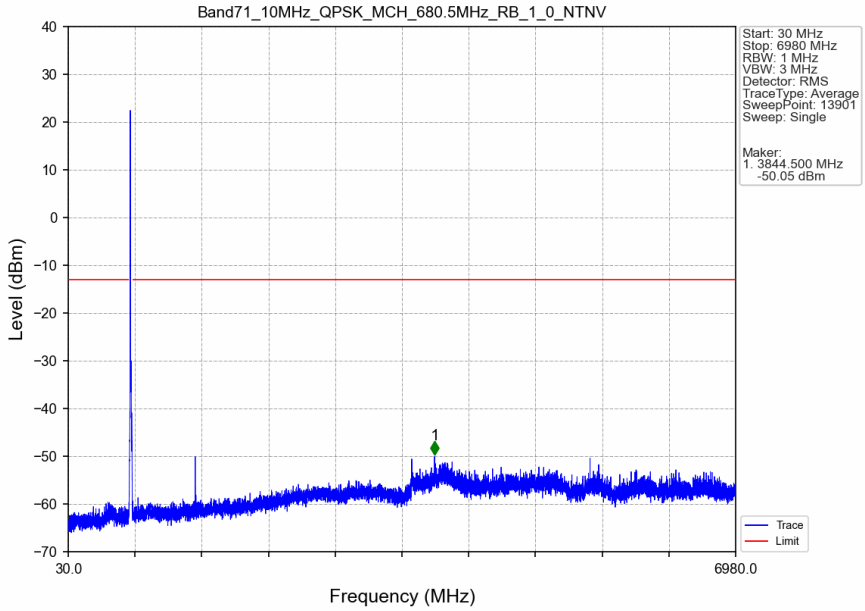


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

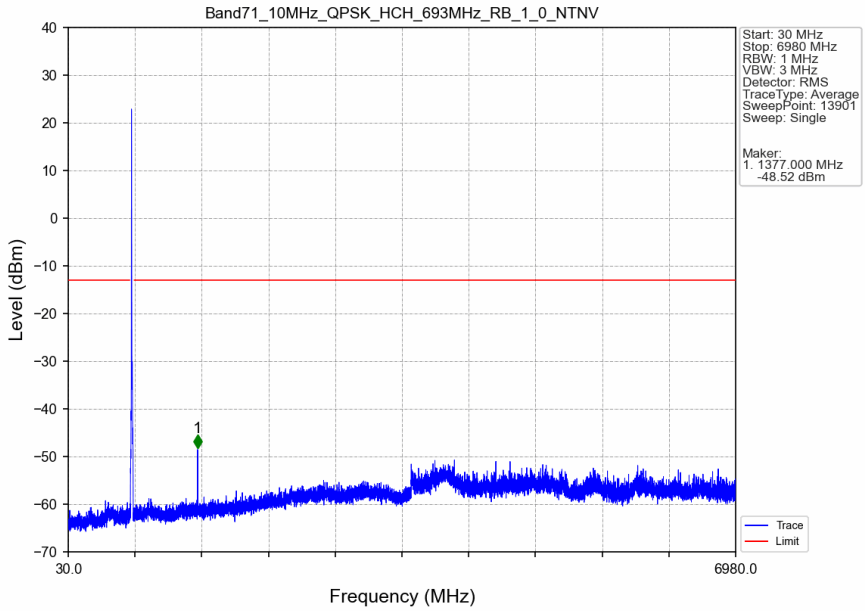


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-34.26	-13	Pass
662.9	663	0.03	/	2	662.977	-36.47	-13	Pass
663	673	0.03	/	/	/	/	/	/

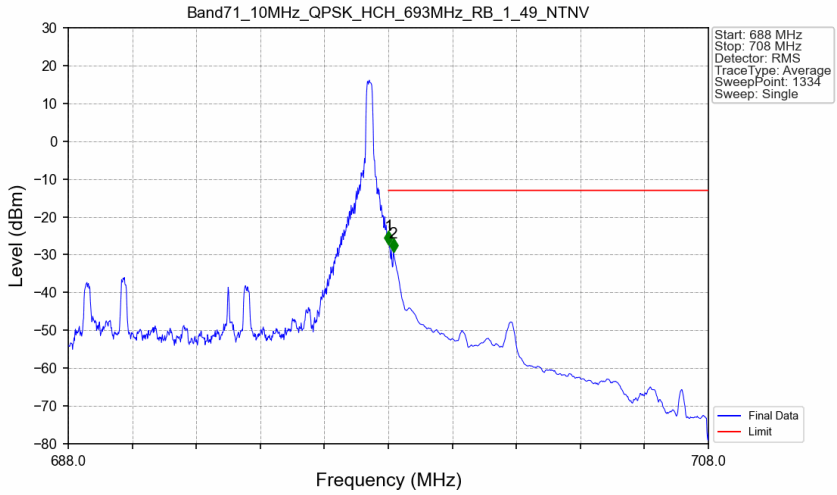
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

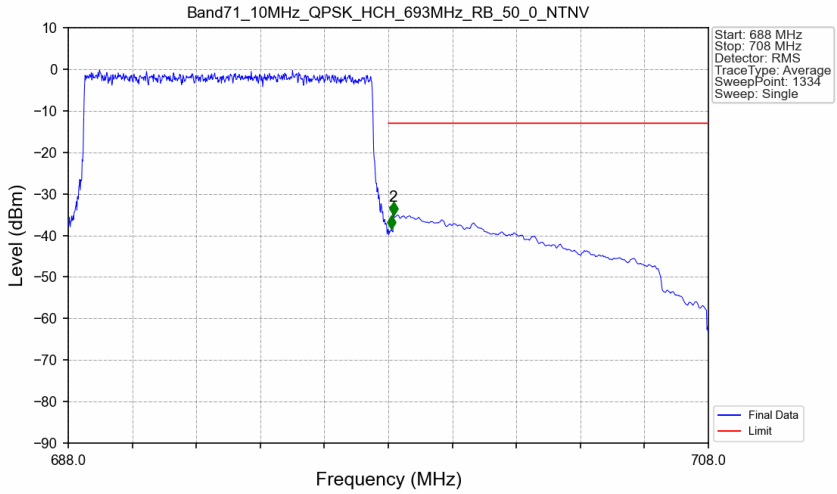


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



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	698.008	-27.19	-13	Pass
698.1	708	0.1	CHP	2	698.158	-29.32	-13	Pass

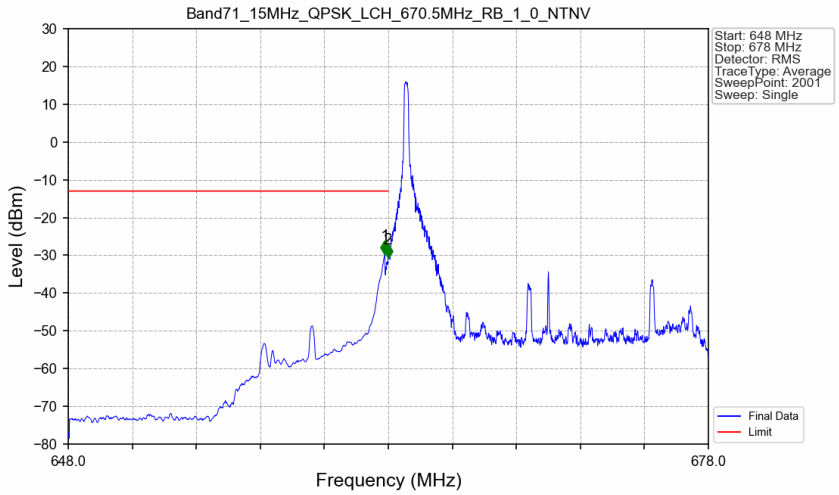
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



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	698.098	-38.46	-13	Pass
698.1	708	0.1	CHP	2	698.158	-35.05	-13	Pass

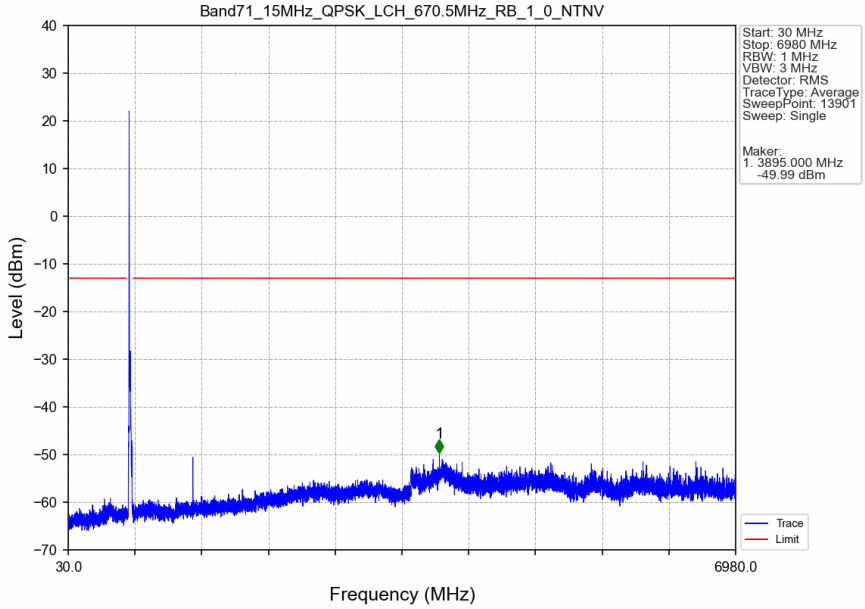
5.2.3 B71_15MHz

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

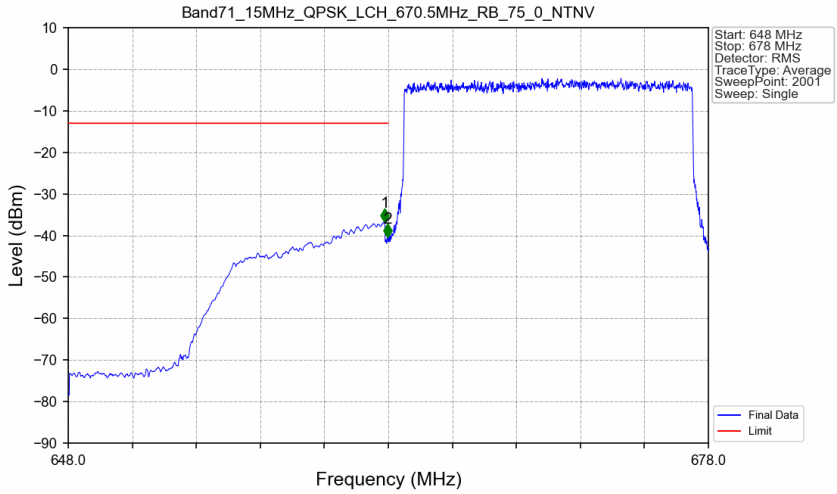


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-29.71	-13	Pass
662.9	663	0.03	/	2	662.985	-30.63	-13	Pass
663	678	0.03	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

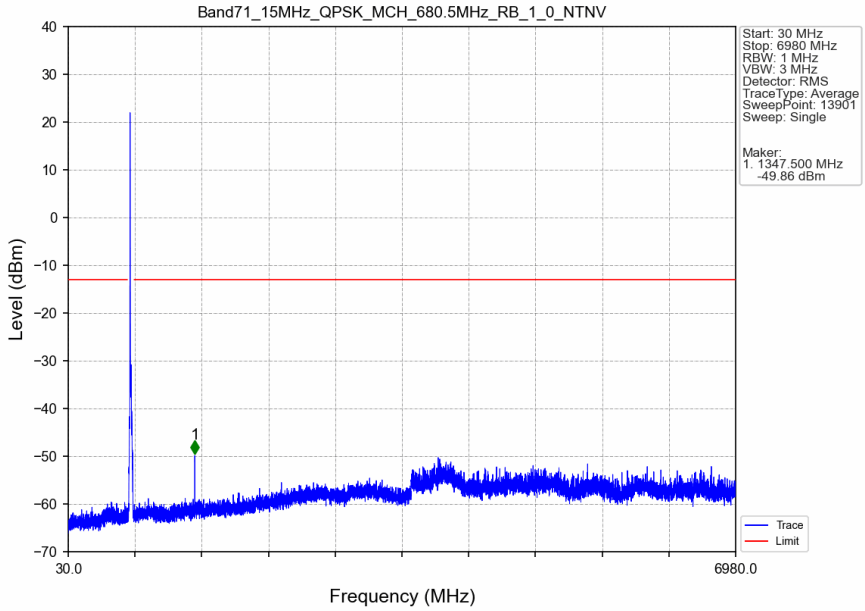


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

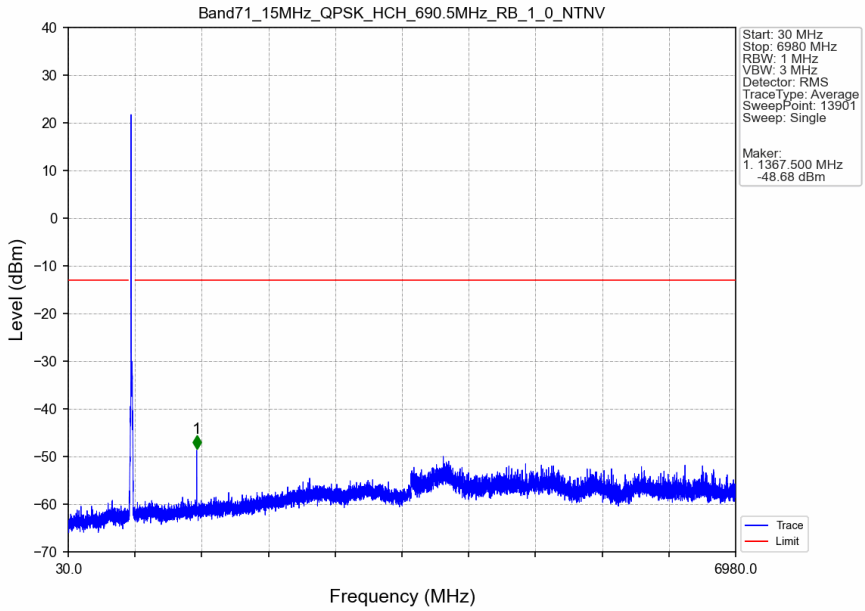


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-36.67	-13	Pass
662.9	663	0.03	/	2	662.955	-40.40	-13	Pass
663	678	0.03	/	/	/	/	/	/

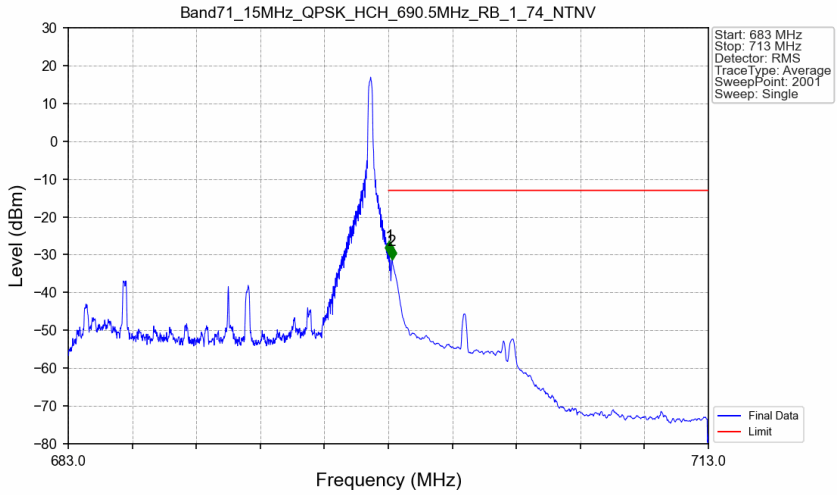
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

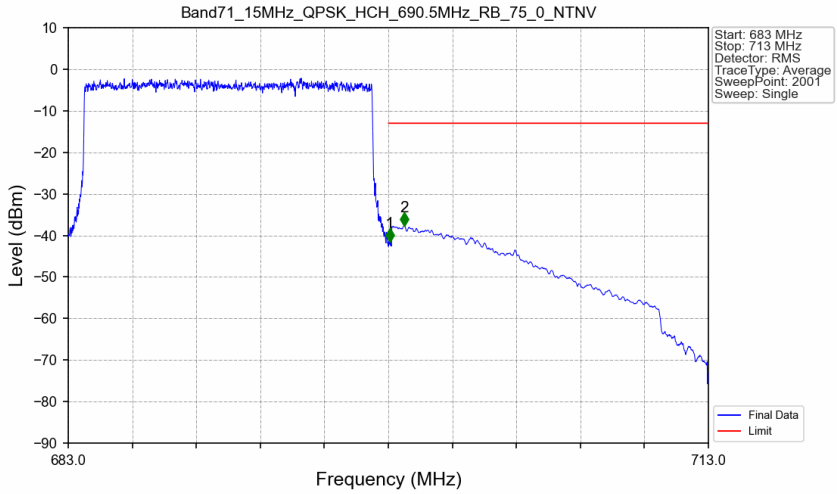


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



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	698.045	-29.78	-13	Pass
698.1	713	0.1	CHP	2	698.165	-31.21	-13	Pass

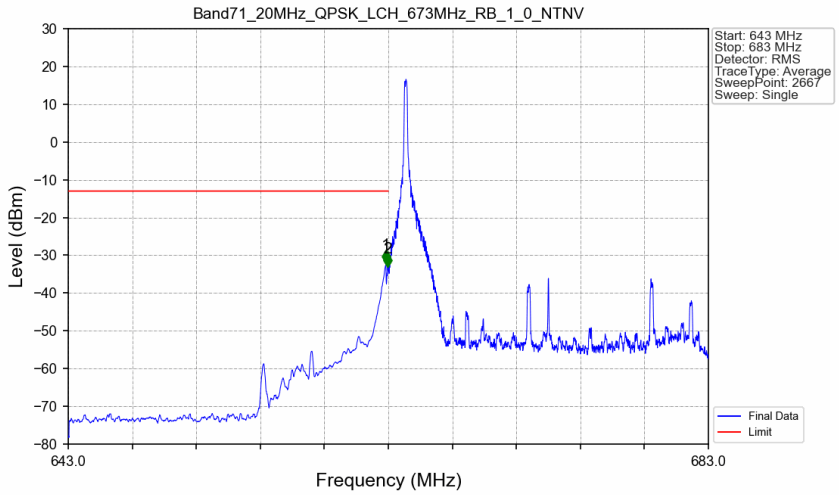
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



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	698.060	-41.44	-13	Pass
698.1	713	0.1	CHP	2	698.750	-37.67	-13	Pass

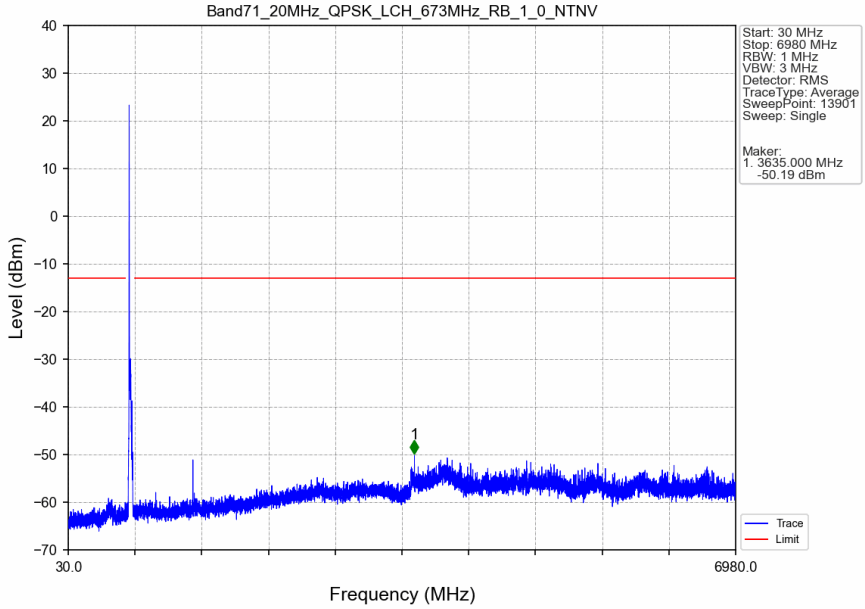
5.2.4 B71_20MHz

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

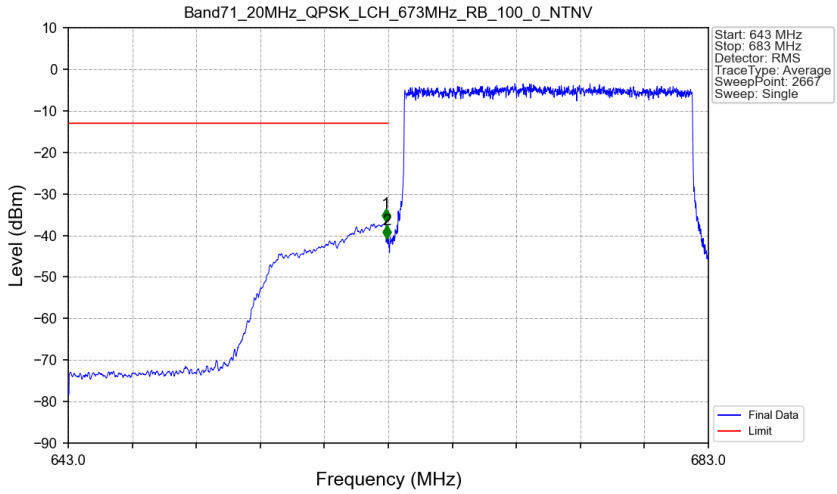


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-32.13	-13	Pass
662.9	663	0.03	/	2	662.955	-33.11	-13	Pass
663	683	0.03	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

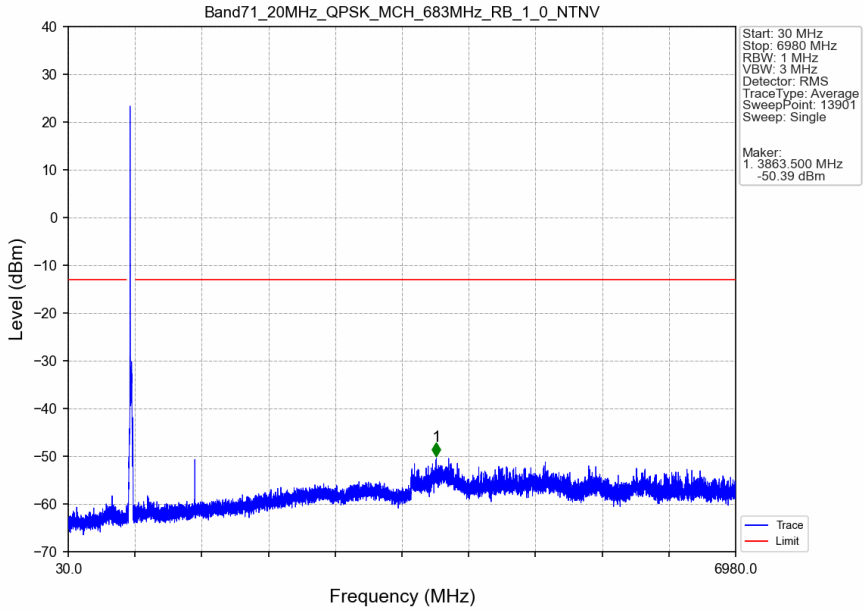


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

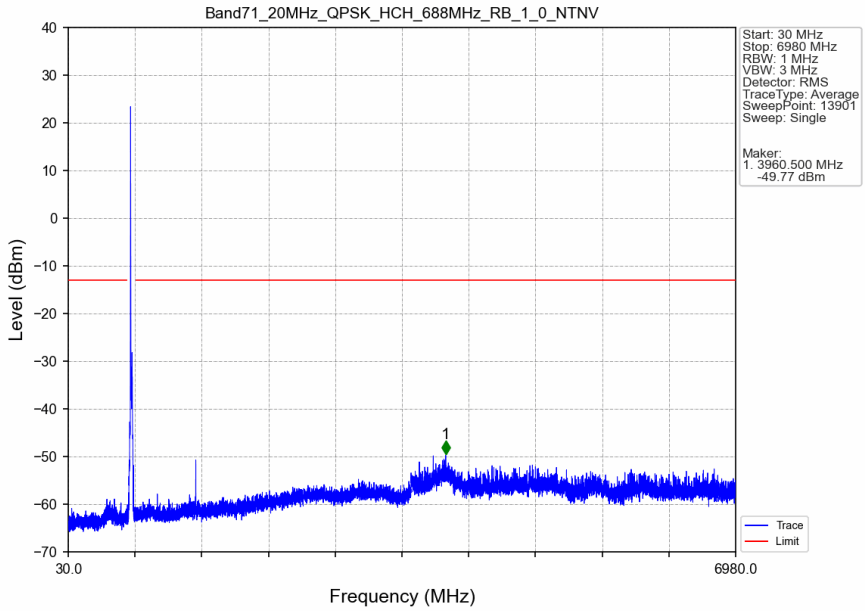


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-36.76	-13	Pass
662.9	663	0.03	/	2	662.925	-40.78	-13	Pass
663	683	0.03	/	/	/	/	/	/

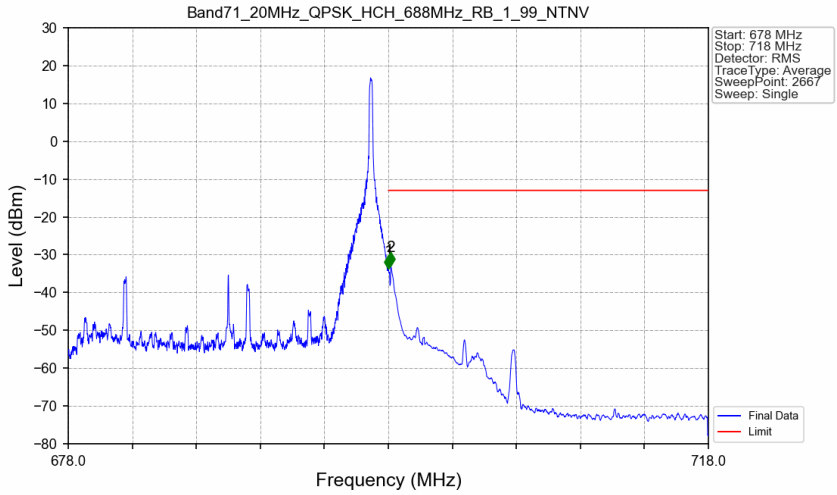
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

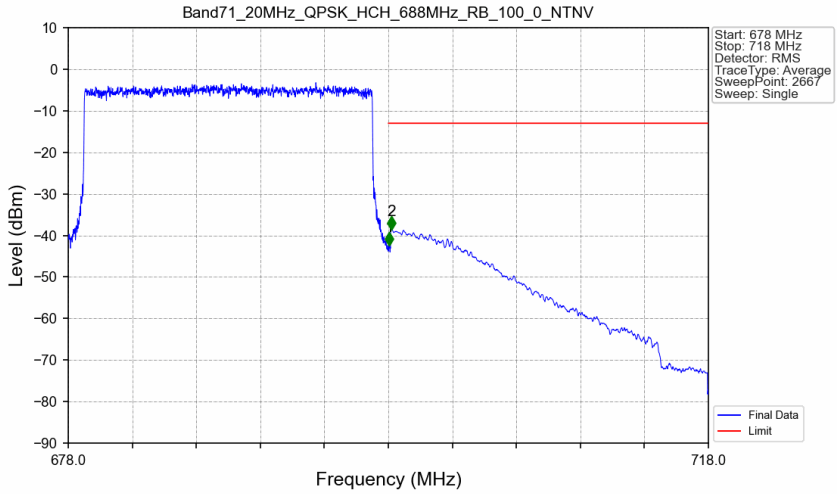


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



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	698.015	-33.67	-13	Pass
698.1	718	0.1	CHP	2	698.150	-32.92	-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	698.060	-42.49	-13	Pass
698.1	718	0.1	CHP	2	698.210	-38.52	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 71-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1328.0	-57.33	-13	-44.33	-59.72	2.4	4.79	Horizontal	Pass
1988.327	-68.03	-13	-55.03	-69.96	2.72	4.65	Horizontal	Pass
2656.0	-67.56	-13	-54.56	-70.62	3.1	6.16	Horizontal	Pass
1328.0	-60.54	-13	-47.54	-62.93	2.4	4.79	Vertical	Pass
1992.0	-66.07	-13	-53.07	-67.99	2.72	4.64	Vertical	Pass
2656.0	-67.76	-13	-54.76	-70.82	3.1	6.16	Vertical	Pass

LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1346.929	-58.41	-13	-45.41	-60.9	2.42	4.91	Horizontal	Pass
2022.0	-68.04	-13	-55.04	-69.97	2.74	4.67	Horizontal	Pass
2696.0	-67.76	-13	-54.76	-70.9	3.11	6.25	Horizontal	Pass
1346.929	-64.72	-13	-51.72	-67.21	2.42	4.91	Vertical	Pass
2022.0	-67.97	-13	-54.97	-69.9	2.74	4.67	Vertical	Pass
2696.0	-68.07	-13	-55.07	-71.21	3.11	6.25	Vertical	Pass

LTE Band 71-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1358.0	-58.99	-13	-45.99	-61.54	2.43	4.98	Horizontal	Pass
2037.0	-66.51	-13	-53.51	-68.47	2.75	4.71	Horizontal	Pass
2716.0	-66.91	-13	-53.91	-70.1	3.11	6.3	Horizontal	Pass
1358.0	-65.32	-13	-52.32	-67.87	2.43	4.98	Vertical	Pass
2037.0	-66.96	-13	-53.96	-68.92	2.75	4.71	Vertical	Pass
2716.0	-66.59	-13	-53.59	-69.78	3.11	6.3	Vertical	Pass