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	21.64	-2.68	16.81	<=34.77	Pass
			13	21.58	-2.68	16.75	<=34.77	Pass
			24	21.63	-2.68	16.80	<=34.77	Pass
		12	0	20.64	-2.68	15.81	<=34.77	Pass
			6	20.68	-2.68	15.85	<=34.77	Pass
			13	20.65	-2.68	15.82	<=34.77	Pass
		25	0	20.72	-2.68	15.89	<=34.77	Pass
	680.5	1	0	21.71	-2.68	16.88	<=34.77	Pass
			13	21.61	-2.68	16.78	<=34.77	Pass
			24	21.68	-2.68	16.85	<=34.77	Pass
		12	0	20.68	-2.68	15.85	<=34.77	Pass
			6	20.66	-2.68	15.83	<=34.77	Pass
			13	20.65	-2.68	15.82	<=34.77	Pass
		25	0	20.71	-2.68	15.88	<=34.77	Pass
	695.5	1	0	21.61	-2.68	16.78	<=34.77	Pass
			13	21.64	-2.68	16.81	<=34.77	Pass
			24	21.53	-2.68	16.70	<=34.77	Pass
		12	0	20.63	-2.68	15.80	<=34.77	Pass
			6	20.66	-2.68	15.83	<=34.77	Pass
			13	20.62	-2.68	15.79	<=34.77	Pass
		25	0	20.69	-2.68	15.86	<=34.77	Pass
16QAM	665.5	1	0	20.77	-2.68	15.94	<=34.77	Pass
			13	20.94	-2.68	16.11	<=34.77	Pass
			24	20.80	-2.68	15.97	<=34.77	Pass
		12	0	19.71	-2.68	14.88	<=34.77	Pass
			6	19.70	-2.68	14.87	<=34.77	Pass
			13	19.64	-2.68	14.81	<=34.77	Pass
		25	0	19.64	-2.68	14.81	<=34.77	Pass
	680.5	1	0	20.89	-2.68	16.06	<=34.77	Pass
			13	21.07	-2.68	16.24	<=34.77	Pass
			24	20.91	-2.68	16.08	<=34.77	Pass
		12	0	19.72	-2.68	14.89	<=34.77	Pass
			6	19.67	-2.68	14.84	<=34.77	Pass
			13	19.54	-2.68	14.71	<=34.77	Pass
		25	0	19.72	-2.68	14.89	<=34.77	Pass
	695.5	1	0	20.66	-2.68	15.83	<=34.77	Pass
			13	20.87	-2.68	16.04	<=34.77	Pass
			24	20.71	-2.68	15.88	<=34.77	Pass
		12	0	19.67	-2.68	14.84	<=34.77	Pass
			6	19.61	-2.68	14.78	<=34.77	Pass
			13	19.64	-2.68	14.81	<=34.77	Pass
		25	0	19.63	-2.68	14.80	<=34.77	Pass
64QAM	665.5	1	0	19.81	-2.68	14.98	<=34.77	Pass
			13	19.73	-2.68	14.90	<=34.77	Pass
			24	19.69	-2.68	14.86	<=34.77	Pass
		12	0	18.66	-2.68	13.83	<=34.77	Pass
			6	18.67	-2.68	13.84	<=34.77	Pass
			13	18.69	-2.68	13.86	<=34.77	Pass
		25	0	18.68	-2.68	13.85	<=34.77	Pass

	680.5	1	0	19.78	-2.68	14.95	<=34.77	Pass
			13	19.69	-2.68	14.86	<=34.77	Pass
			24	19.81	-2.68	14.98	<=34.77	Pass
		12	0	18.73	-2.68	13.90	<=34.77	Pass
			6	18.75	-2.68	13.92	<=34.77	Pass
			13	18.70	-2.68	13.87	<=34.77	Pass
		25	0	18.65	-2.68	13.82	<=34.77	Pass
	695.5	1	0	19.61	-2.68	14.78	<=34.77	Pass
			13	19.81	-2.68	14.98	<=34.77	Pass
			24	19.61	-2.68	14.78	<=34.77	Pass
		12	0	18.64	-2.68	13.81	<=34.77	Pass
			6	18.66	-2.68	13.83	<=34.77	Pass
			13	18.66	-2.68	13.83	<=34.77	Pass
		25	0	18.64	-2.68	13.81	<=34.77	Pass
256QAM	665.5	1	0	16.70	-2.68	11.87	<=34.77	Pass
			13	16.66	-2.68	11.83	<=34.77	Pass
			24	16.56	-2.68	11.73	<=34.77	Pass
		12	0	16.60	-2.68	11.77	<=34.77	Pass
			6	16.67	-2.68	11.84	<=34.77	Pass
			13	16.47	-2.68	11.64	<=34.77	Pass
		25	0	16.61	-2.68	11.78	<=34.77	Pass
	680.5	1	0	16.74	-2.68	11.91	<=34.77	Pass
			13	16.68	-2.68	11.85	<=34.77	Pass
			24	16.57	-2.68	11.74	<=34.77	Pass
		12	0	16.66	-2.68	11.83	<=34.77	Pass
			6	16.62	-2.68	11.79	<=34.77	Pass
			13	16.60	-2.68	11.77	<=34.77	Pass
		25	0	16.60	-2.68	11.77	<=34.77	Pass
	695.5	1	0	16.66	-2.68	11.83	<=34.77	Pass
			13	16.67	-2.68	11.84	<=34.77	Pass
			24	16.59	-2.68	11.76	<=34.77	Pass
		12	0	16.59	-2.68	11.76	<=34.77	Pass
			6	16.61	-2.68	11.78	<=34.77	Pass
			13	16.57	-2.68	11.74	<=34.77	Pass
		25	0	16.62	-2.68	11.79	<=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	21.57	-2.68	16.74	<=34.77	Pass
			25	21.62	-2.68	16.79	<=34.77	Pass
			49	21.50	-2.68	16.67	<=34.77	Pass
		25	0	20.70	-2.68	15.87	<=34.77	Pass
			13	20.69	-2.68	15.86	<=34.77	Pass
			25	20.50	-2.68	15.67	<=34.77	Pass
		50	0	20.67	-2.68	15.84	<=34.77	Pass
	680.5	1	0	21.49	-2.68	16.66	<=34.77	Pass
			25	21.73	-2.68	16.90	<=34.77	Pass
			49	21.61	-2.68	16.78	<=34.77	Pass
		25	0	20.71	-2.68	15.88	<=34.77	Pass
			13	20.65	-2.68	15.82	<=34.77	Pass
			25	20.66	-2.68	15.83	<=34.77	Pass
		50	0	20.67	-2.68	15.84	<=34.77	Pass
	693	1	0	21.63	-2.68	16.80	<=34.77	Pass

			25	21.64	-2.68	16.81	<=34.77	Pass
			49	21.57	-2.68	16.74	<=34.77	Pass
		25	0	20.60	-2.68	15.77	<=34.77	Pass
			13	20.65	-2.68	15.82	<=34.77	Pass
			25	20.58	-2.68	15.75	<=34.77	Pass
		50	0	20.60	-2.68	15.77	<=34.77	Pass
16QAM	668	1	0	20.77	-2.68	15.94	<=34.77	Pass
			25	20.69	-2.68	15.86	<=34.77	Pass
			49	20.77	-2.68	15.94	<=34.77	Pass
		25	0	19.64	-2.68	14.81	<=34.77	Pass
			13	19.67	-2.68	14.84	<=34.77	Pass
			25	19.66	-2.68	14.83	<=34.77	Pass
		50	0	19.64	-2.68	14.81	<=34.77	Pass
	680.5	1	0	21.04	-2.68	16.21	<=34.77	Pass
			25	20.44	-2.68	15.61	<=34.77	Pass
			49	20.70	-2.68	15.87	<=34.77	Pass
		25	0	19.68	-2.68	14.85	<=34.77	Pass
			13	19.70	-2.68	14.87	<=34.77	Pass
			25	19.61	-2.68	14.78	<=34.77	Pass
		50	0	19.66	-2.68	14.83	<=34.77	Pass
	693	1	0	20.86	-2.68	16.03	<=34.77	Pass
			25	20.89	-2.68	16.06	<=34.77	Pass
			49	20.80	-2.68	15.97	<=34.77	Pass
		25	0	19.63	-2.68	14.80	<=34.77	Pass
			13	19.63	-2.68	14.80	<=34.77	Pass
			25	19.56	-2.68	14.73	<=34.77	Pass
		50	0	19.58	-2.68	14.75	<=34.77	Pass
64QAM	668	1	0	19.54	-2.68	14.71	<=34.77	Pass
			25	19.86	-2.68	15.03	<=34.77	Pass
			49	19.70	-2.68	14.87	<=34.77	Pass
		25	0	18.63	-2.68	13.80	<=34.77	Pass
			13	18.66	-2.68	13.83	<=34.77	Pass
			25	18.64	-2.68	13.81	<=34.77	Pass
		50	0	18.64	-2.68	13.81	<=34.77	Pass
	680.5	1	0	19.56	-2.68	14.73	<=34.77	Pass
			25	19.82	-2.68	14.99	<=34.77	Pass
			49	19.63	-2.68	14.80	<=34.77	Pass
		25	0	18.72	-2.68	13.89	<=34.77	Pass
			13	18.67	-2.68	13.84	<=34.77	Pass
			25	18.62	-2.68	13.79	<=34.77	Pass
		50	0	18.68	-2.68	13.85	<=34.77	Pass
	693	1	0	19.84	-2.68	15.01	<=34.77	Pass
			25	19.80	-2.68	14.97	<=34.77	Pass
			49	19.75	-2.68	14.92	<=34.77	Pass
		25	0	18.61	-2.68	13.78	<=34.77	Pass
			13	18.65	-2.68	13.82	<=34.77	Pass
			25	18.59	-2.68	13.76	<=34.77	Pass
		50	0	18.55	-2.68	13.72	<=34.77	Pass
256QAM	668	1	0	16.70	-2.68	11.87	<=34.77	Pass
			25	16.66	-2.68	11.83	<=34.77	Pass
			49	16.63	-2.68	11.80	<=34.77	Pass
		25	0	16.58	-2.68	11.75	<=34.77	Pass
			13	16.63	-2.68	11.80	<=34.77	Pass
			25	16.64	-2.68	11.81	<=34.77	Pass
		50	0	16.61	-2.68	11.78	<=34.77	Pass
	680.5	1	0	16.75	-2.68	11.92	<=34.77	Pass
			25	16.67	-2.68	11.84	<=34.77	Pass
			49	16.68	-2.68	11.85	<=34.77	Pass
		25	0	16.65	-2.68	11.82	<=34.77	Pass

			13	16.60	-2.68	11.77	<=34.77	Pass
			25	16.60	-2.68	11.77	<=34.77	Pass
		50	0	16.63	-2.68	11.80	<=34.77	Pass
	693	1	0	16.70	-2.68	11.87	<=34.77	Pass
			25	16.72	-2.68	11.89	<=34.77	Pass
			49	16.68	-2.68	11.85	<=34.77	Pass
		25	0	16.61	-2.68	11.78	<=34.77	Pass
			13	16.64	-2.68	11.81	<=34.77	Pass
			25	16.54	-2.68	11.71	<=34.77	Pass
		50	0	16.57	-2.68	11.74	<=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	21.69	-2.68	16.86	<=34.77	Pass
			38	21.67	-2.68	16.84	<=34.77	Pass
			74	21.49	-2.68	16.66	<=34.77	Pass
		36	0	20.62	-2.68	15.79	<=34.77	Pass
			18	20.63	-2.68	15.80	<=34.77	Pass
			39	20.63	-2.68	15.80	<=34.77	Pass
		75	0	20.67	-2.68	15.84	<=34.77	Pass
	680.5	1	0	21.47	-2.68	16.64	<=34.77	Pass
			38	21.65	-2.68	16.82	<=34.77	Pass
			74	21.59	-2.68	16.76	<=34.77	Pass
		36	0	20.67	-2.68	15.84	<=34.77	Pass
			18	20.63	-2.68	15.80	<=34.77	Pass
			39	20.62	-2.68	15.79	<=34.77	Pass
		75	0	20.68	-2.68	15.85	<=34.77	Pass
	690.5	1	0	21.68	-2.68	16.85	<=34.77	Pass
			38	21.54	-2.68	16.71	<=34.77	Pass
			74	21.52	-2.68	16.69	<=34.77	Pass
		36	0	20.53	-2.68	15.70	<=34.77	Pass
			18	20.60	-2.68	15.77	<=34.77	Pass
			39	20.55	-2.68	15.72	<=34.77	Pass
		75	0	20.63	-2.68	15.80	<=34.77	Pass
16QAM	670.5	1	0	20.96	-2.68	16.13	<=34.77	Pass
			38	20.85	-2.68	16.02	<=34.77	Pass
			74	20.85	-2.68	16.02	<=34.77	Pass
		36	0	19.58	-2.68	14.75	<=34.77	Pass
			18	19.65	-2.68	14.82	<=34.77	Pass
			39	19.62	-2.68	14.79	<=34.77	Pass
		75	0	19.65	-2.68	14.82	<=34.77	Pass
	680.5	1	0	20.95	-2.68	16.12	<=34.77	Pass
			38	20.97	-2.68	16.14	<=34.77	Pass
			74	20.66	-2.68	15.83	<=34.77	Pass
		36	0	19.65	-2.68	14.82	<=34.77	Pass
			18	19.63	-2.68	14.80	<=34.77	Pass
			39	19.62	-2.68	14.79	<=34.77	Pass
		75	0	19.67	-2.68	14.84	<=34.77	Pass
	690.5	1	0	20.40	-2.68	15.57	<=34.77	Pass
			38	20.67	-2.68	15.84	<=34.77	Pass
			74	20.65	-2.68	15.82	<=34.77	Pass
		36	0	19.43	-2.68	14.60	<=34.77	Pass
			18	19.60	-2.68	14.77	<=34.77	Pass

			39	19.34	-2.68	14.51	<=34.77	Pass
		75	0	19.56	-2.68	14.73	<=34.77	Pass
64QAM	670.5	1	0	19.80	-2.68	14.97	<=34.77	Pass
			38	19.66	-2.68	14.83	<=34.77	Pass
			74	19.86	-2.68	15.03	<=34.77	Pass
		36	0	18.61	-2.68	13.78	<=34.77	Pass
			18	18.67	-2.68	13.84	<=34.77	Pass
			39	18.65	-2.68	13.82	<=34.77	Pass
		75	0	18.64	-2.68	13.81	<=34.77	Pass
	680.5	1	0	19.82	-2.68	14.99	<=34.77	Pass
			38	19.77	-2.68	14.94	<=34.77	Pass
			74	19.61	-2.68	14.78	<=34.77	Pass
		36	0	18.62	-2.68	13.79	<=34.77	Pass
			18	18.64	-2.68	13.81	<=34.77	Pass
			39	18.64	-2.68	13.81	<=34.77	Pass
		75	0	18.68	-2.68	13.85	<=34.77	Pass
	690.5	1	0	19.75	-2.68	14.92	<=34.77	Pass
			38	19.60	-2.68	14.77	<=34.77	Pass
			74	19.34	-2.68	14.51	<=34.77	Pass
		36	0	18.56	-2.68	13.73	<=34.77	Pass
			18	18.60	-2.68	13.77	<=34.77	Pass
			39	18.57	-2.68	13.74	<=34.77	Pass
		75	0	18.63	-2.68	13.80	<=34.77	Pass
256QAM	670.5	1	0	16.64	-2.68	11.81	<=34.77	Pass
			38	16.78	-2.68	11.95	<=34.77	Pass
			74	16.52	-2.68	11.69	<=34.77	Pass
		36	0	16.63	-2.68	11.80	<=34.77	Pass
			18	16.64	-2.68	11.81	<=34.77	Pass
			39	16.61	-2.68	11.78	<=34.77	Pass
		75	0	16.64	-2.68	11.81	<=34.77	Pass
	680.5	1	0	16.77	-2.68	11.94	<=34.77	Pass
			38	16.65	-2.68	11.82	<=34.77	Pass
			74	16.71	-2.68	11.88	<=34.77	Pass
		36	0	16.65	-2.68	11.82	<=34.77	Pass
			18	16.65	-2.68	11.82	<=34.77	Pass
			39	16.62	-2.68	11.79	<=34.77	Pass
		75	0	16.66	-2.68	11.83	<=34.77	Pass
	690.5	1	0	16.48	-2.68	11.65	<=34.77	Pass
			38	16.67	-2.68	11.84	<=34.77	Pass
			74	16.57	-2.68	11.74	<=34.77	Pass
		36	0	16.61	-2.68	11.78	<=34.77	Pass
			18	16.58	-2.68	11.75	<=34.77	Pass
			39	16.54	-2.68	11.71	<=34.77	Pass
		75	0	16.57	-2.68	11.74	<=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	21.57	-2.68	16.74	<=34.77	Pass
			50	21.65	-2.68	16.82	<=34.77	Pass
			99	21.69	-2.68	16.86	<=34.77	Pass
		50	0	20.69	-2.68	15.86	<=34.77	Pass
			25	20.72	-2.68	15.89	<=34.77	Pass
			50	20.67	-2.68	15.84	<=34.77	Pass

		100	0	20.66	-2.68	15.83	<=34.77	Pass
	683	1	0	21.70	-2.68	16.87	<=34.77	Pass
			50	21.61	-2.68	16.78	<=34.77	Pass
			99	21.63	-2.68	16.80	<=34.77	Pass
		50	0	20.73	-2.68	15.90	<=34.77	Pass
			25	20.61	-2.68	15.78	<=34.77	Pass
			50	20.65	-2.68	15.82	<=34.77	Pass
		100	0	20.69	-2.68	15.86	<=34.77	Pass
	688	1	0	21.75	-2.68	16.92	<=34.77	Pass
			50	21.46	-2.68	16.63	<=34.77	Pass
			99	21.60	-2.68	16.77	<=34.77	Pass
		50	0	20.69	-2.68	15.86	<=34.77	Pass
			25	20.67	-2.68	15.84	<=34.77	Pass
			50	20.62	-2.68	15.79	<=34.77	Pass
		100	0	20.66	-2.68	15.83	<=34.77	Pass
16QAM	673	1	0	20.88	-2.68	16.05	<=34.77	Pass
			50	20.91	-2.68	16.08	<=34.77	Pass
			99	20.95	-2.68	16.12	<=34.77	Pass
		50	0	19.65	-2.68	14.82	<=34.77	Pass
			25	19.70	-2.68	14.87	<=34.77	Pass
			50	19.65	-2.68	14.82	<=34.77	Pass
		100	0	19.61	-2.68	14.78	<=34.77	Pass
	683	1	0	20.79	-2.68	15.96	<=34.77	Pass
			50	20.79	-2.68	15.96	<=34.77	Pass
			99	20.80	-2.68	15.97	<=34.77	Pass
		50	0	19.66	-2.68	14.83	<=34.77	Pass
			25	19.68	-2.68	14.85	<=34.77	Pass
			50	19.63	-2.68	14.80	<=34.77	Pass
		100	0	19.68	-2.68	14.85	<=34.77	Pass
	688	1	0	20.77	-2.68	15.94	<=34.77	Pass
			50	20.74	-2.68	15.91	<=34.77	Pass
			99	20.62	-2.68	15.79	<=34.77	Pass
		50	0	19.63	-2.68	14.80	<=34.77	Pass
			25	19.61	-2.68	14.78	<=34.77	Pass
			50	19.61	-2.68	14.78	<=34.77	Pass
		100	0	19.60	-2.68	14.77	<=34.77	Pass
64QAM	673	1	0	19.89	-2.68	15.06	<=34.77	Pass
			50	19.71	-2.68	14.88	<=34.77	Pass
			99	19.30	-2.68	14.47	<=34.77	Pass
		50	0	18.63	-2.68	13.80	<=34.77	Pass
			25	18.65	-2.68	13.82	<=34.77	Pass
			50	18.68	-2.68	13.85	<=34.77	Pass
		100	0	18.65	-2.68	13.82	<=34.77	Pass
	683	1	0	19.73	-2.68	14.90	<=34.77	Pass
			50	19.69	-2.68	14.86	<=34.77	Pass
			99	19.66	-2.68	14.83	<=34.77	Pass
		50	0	18.67	-2.68	13.84	<=34.77	Pass
			25	18.64	-2.68	13.81	<=34.77	Pass
			50	18.66	-2.68	13.83	<=34.77	Pass
		100	0	18.67	-2.68	13.84	<=34.77	Pass
	688	1	0	19.78	-2.68	14.95	<=34.77	Pass
			50	19.52	-2.68	14.69	<=34.77	Pass
			99	19.64	-2.68	14.81	<=34.77	Pass
		50	0	18.65	-2.68	13.82	<=34.77	Pass
			25	18.63	-2.68	13.80	<=34.77	Pass
			50	18.59	-2.68	13.76	<=34.77	Pass
		100	0	18.62	-2.68	13.79	<=34.77	Pass
256QAM	673	1	0	16.76	-2.68	11.93	<=34.77	Pass
			50	16.70	-2.68	11.87	<=34.77	Pass

			99	16.66	-2.68	11.83	<=34.77	Pass
		50	0	16.65	-2.68	11.82	<=34.77	Pass
			25	16.60	-2.68	11.77	<=34.77	Pass
			50	16.57	-2.68	11.74	<=34.77	Pass
		100	0	16.58	-2.68	11.75	<=34.77	Pass
	683	1	0	16.75	-2.68	11.92	<=34.77	Pass
			50	16.45	-2.68	11.62	<=34.77	Pass
			99	16.52	-2.68	11.69	<=34.77	Pass
		50	0	16.57	-2.68	11.74	<=34.77	Pass
			25	16.37	-2.68	11.54	<=34.77	Pass
			50	16.63	-2.68	11.80	<=34.77	Pass
		100	0	16.64	-2.68	11.81	<=34.77	Pass
	688	1	0	16.60	-2.68	11.77	<=34.77	Pass
			50	16.73	-2.68	11.90	<=34.77	Pass
			99	16.71	-2.68	11.88	<=34.77	Pass
		50	0	16.60	-2.68	11.77	<=34.77	Pass
			25	16.63	-2.68	11.80	<=34.77	Pass
			50	16.60	-2.68	11.77	<=34.77	Pass
		100	0	16.63	-2.68	11.80	<=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	3.4	-5.700	-0.0084	-2.5 to 2.5	Pass
					3.8	-4.100	-0.0060	-2.5 to 2.5	Pass
					4.45	-5.600	-0.0082	-2.5 to 2.5	Pass
				-30	3.8	-7.300	-0.0107	-2.5 to 2.5	Pass
				-20	3.8	-6.300	-0.0093	-2.5 to 2.5	Pass
				-10	3.8	-6.900	-0.0101	-2.5 to 2.5	Pass
				0	3.8	-2.800	-0.0041	-2.5 to 2.5	Pass
				10	3.8	-3.800	-0.0056	-2.5 to 2.5	Pass
				30	3.8	-5.000	-0.0073	-2.5 to 2.5	Pass
				40	3.8	-3.400	-0.0050	-2.5 to 2.5	Pass
				50	3.8	-7.600	-0.0112	-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	4.528	/	Pass
	16QAM	680.5	25	0	4.531	/	Pass
10	QPSK	680.5	50	0	9.053	/	Pass
	16QAM	680.5	50	0	9.035	/	Pass
15	QPSK	680.5	75	0	13.545	/	Pass
	16QAM	680.5	75	0	13.598	/	Pass
20	QPSK	683	100	0	18.093	/	Pass
	16QAM	683	100	0	18.083	/	Pass

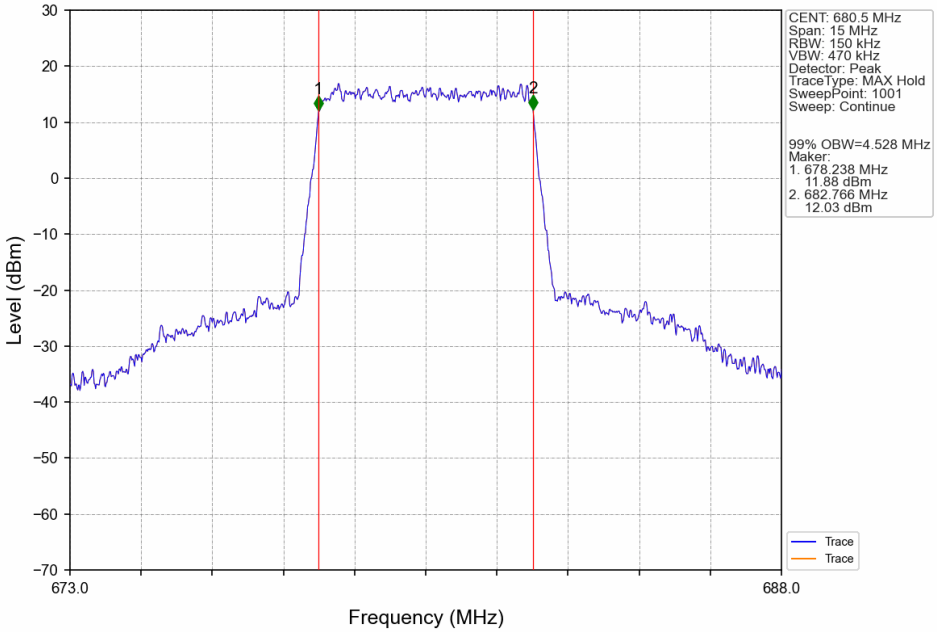
3.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	5.055	/	Pass
	16QAM	680.5	25	0	5.050	/	Pass
10	QPSK	680.5	50	0	9.906	/	Pass
	16QAM	680.5	50	0	9.886	/	Pass
15	QPSK	680.5	75	0	14.911	/	Pass
	16QAM	680.5	75	0	14.974	/	Pass
20	QPSK	683	100	0	19.653	/	Pass
	16QAM	683	100	0	19.796	/	Pass

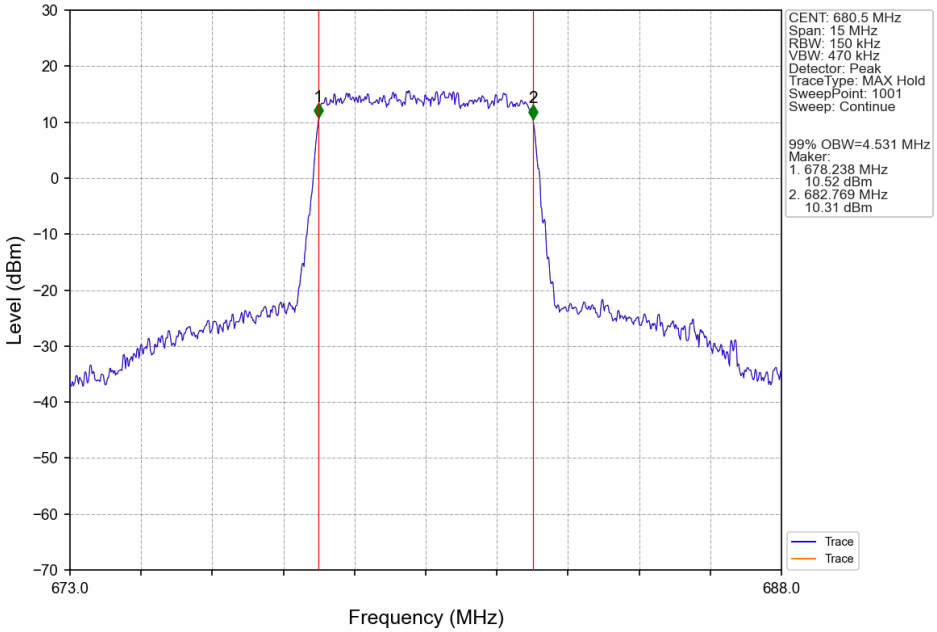
3.2 Test Graph

3.2.1 Band71_OBW

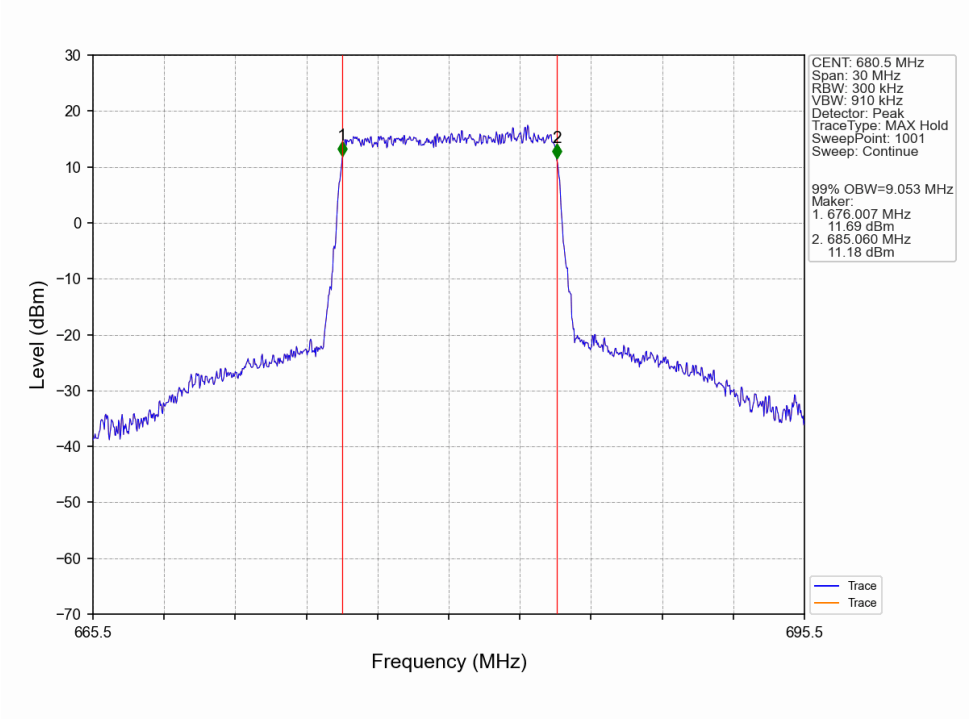
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



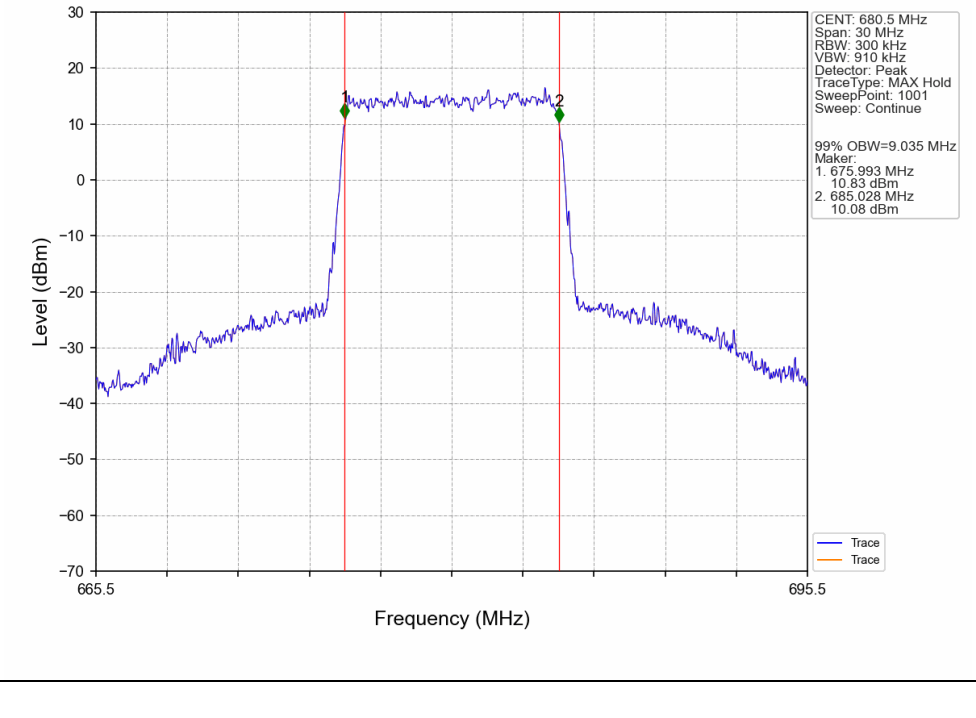
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



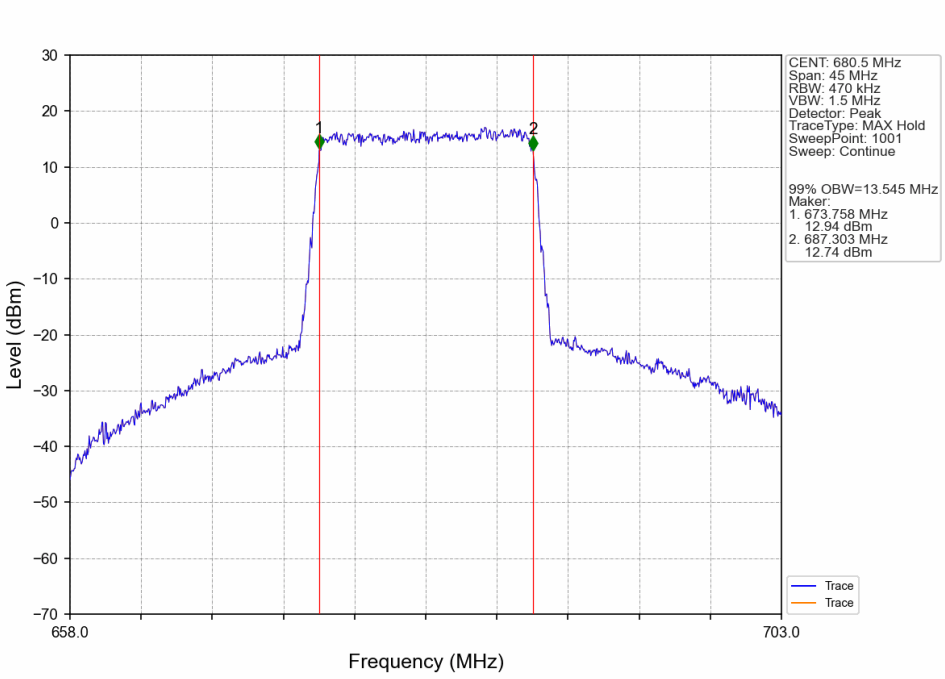
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



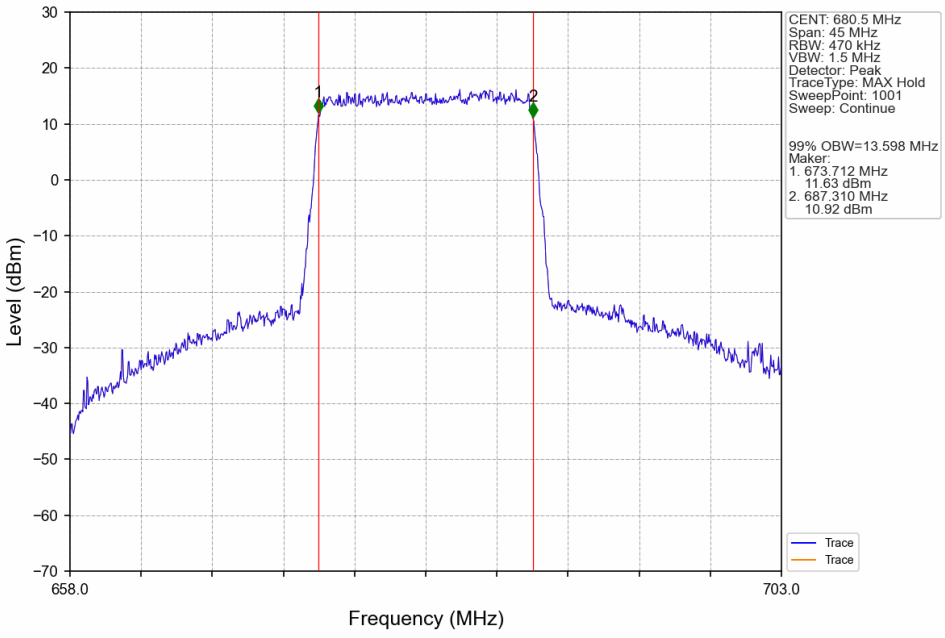
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



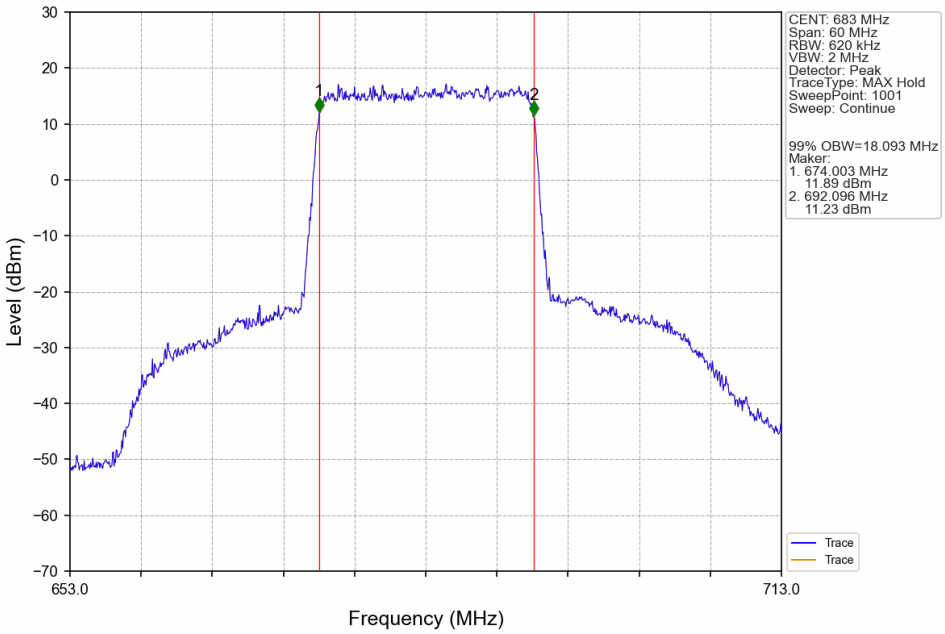
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



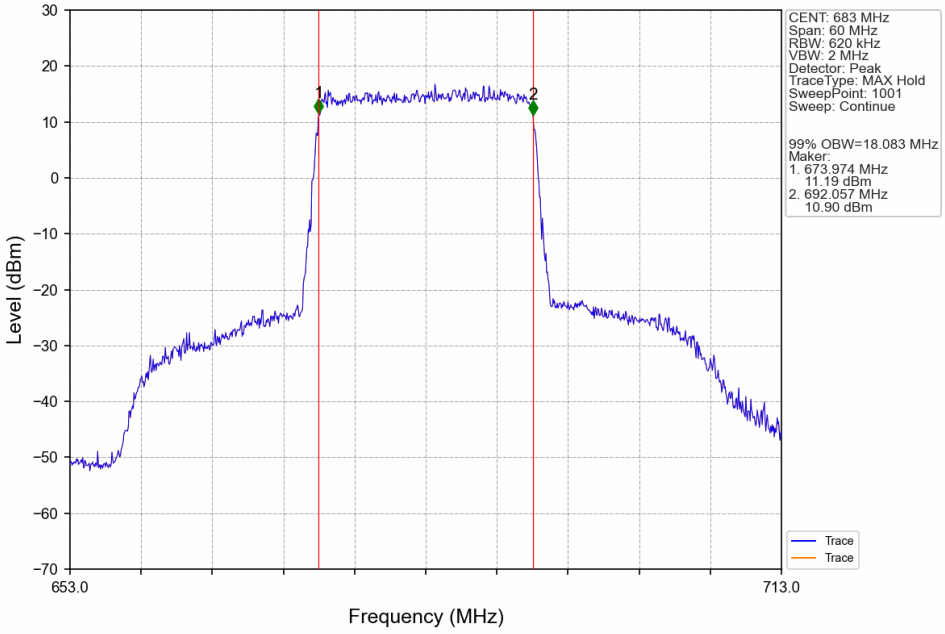
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



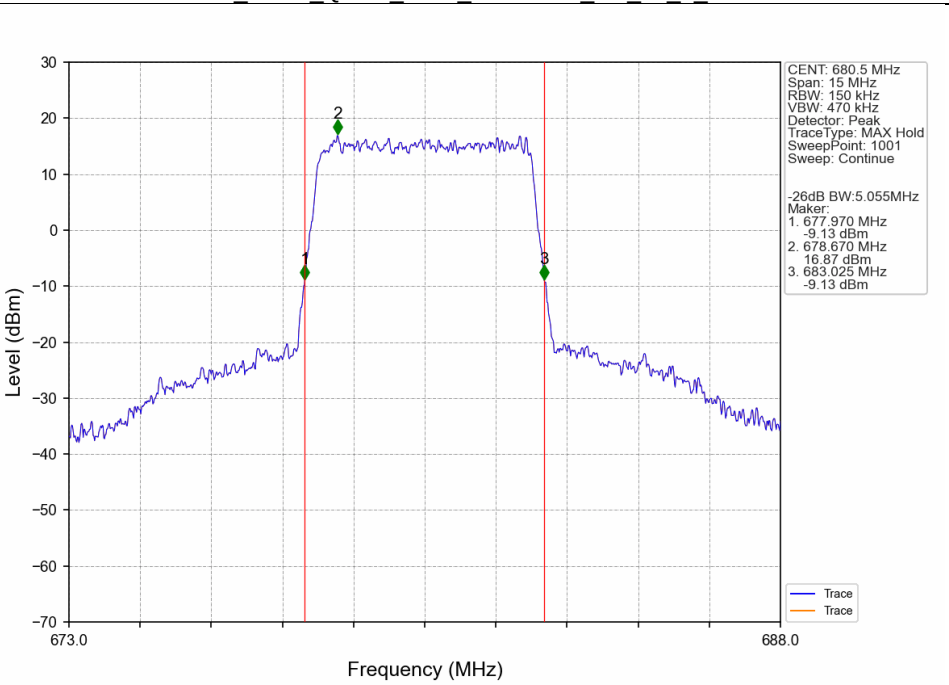
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV

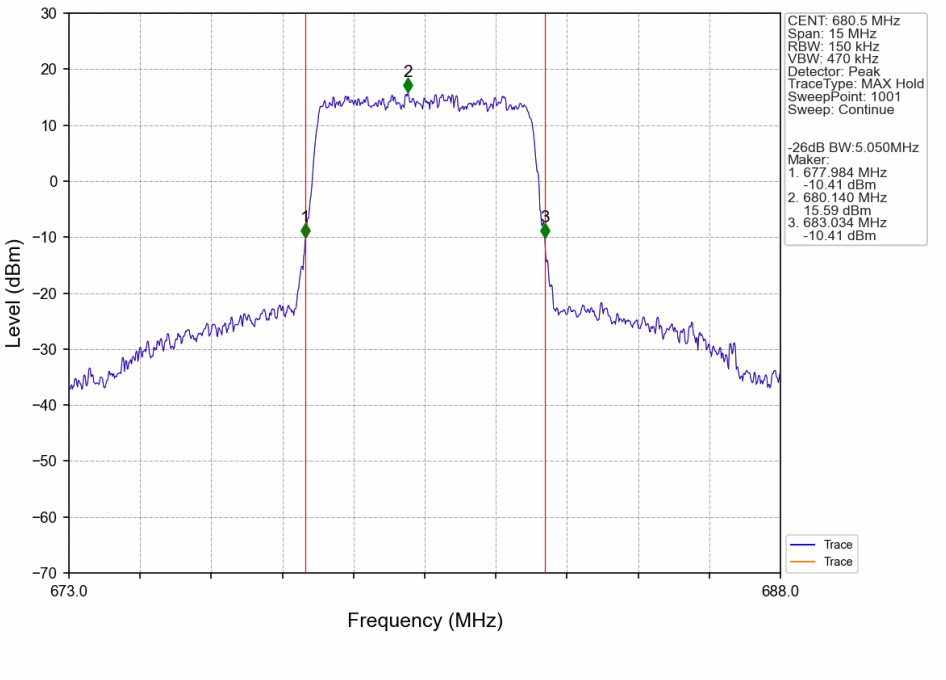


Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

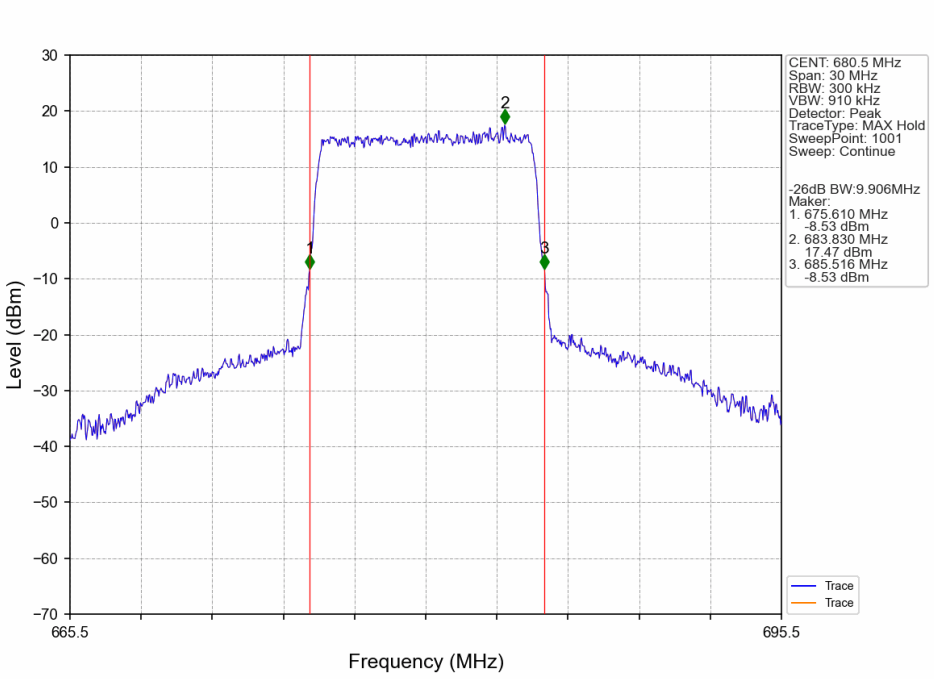


3.2.2 Band71_XDB

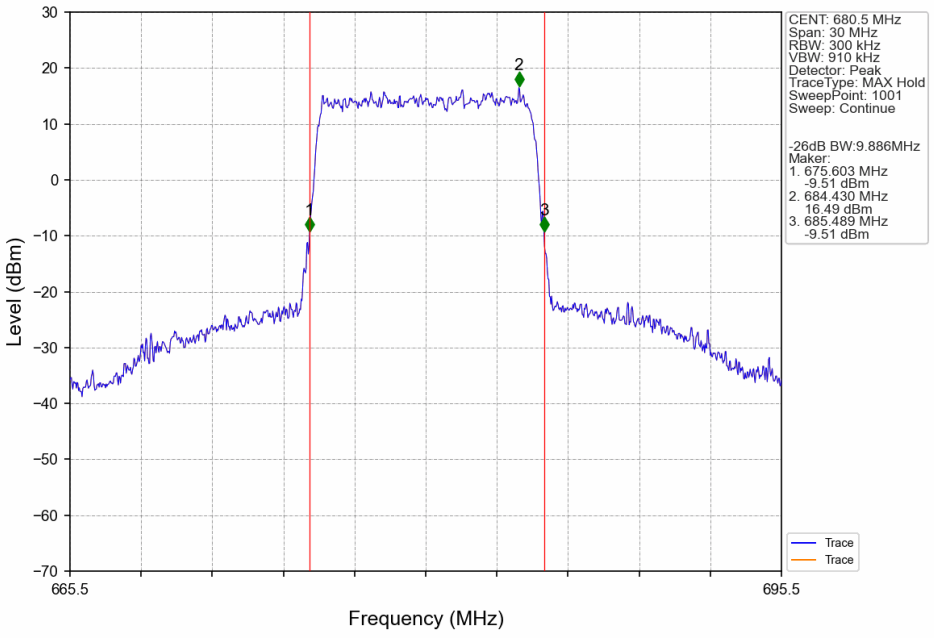
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV


Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV


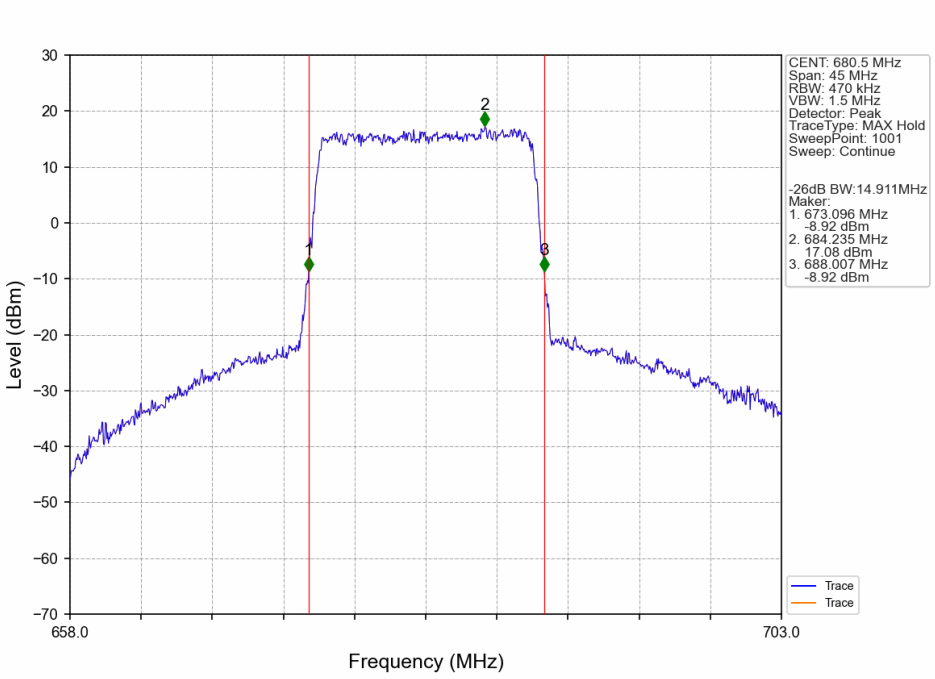
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



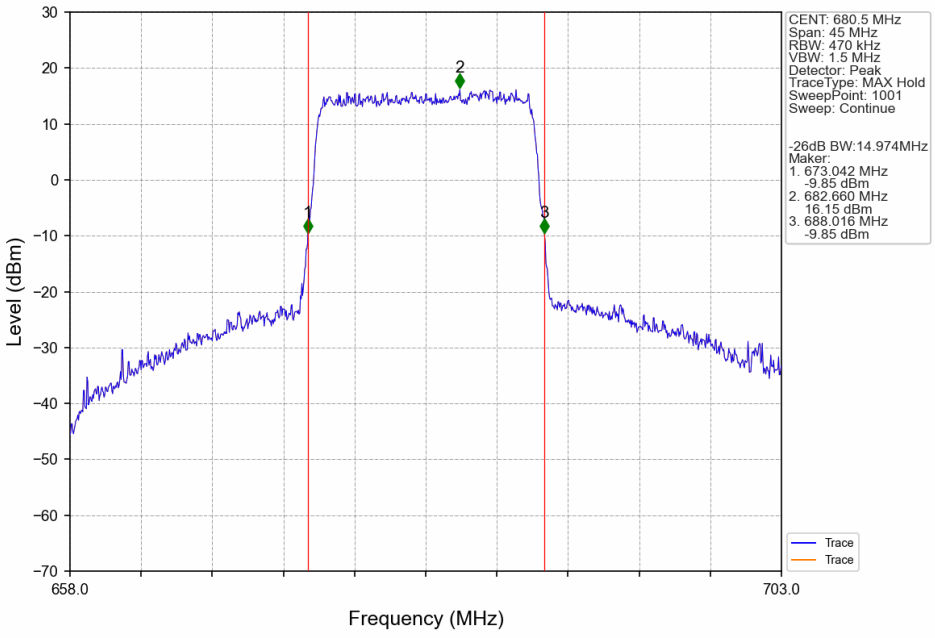
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



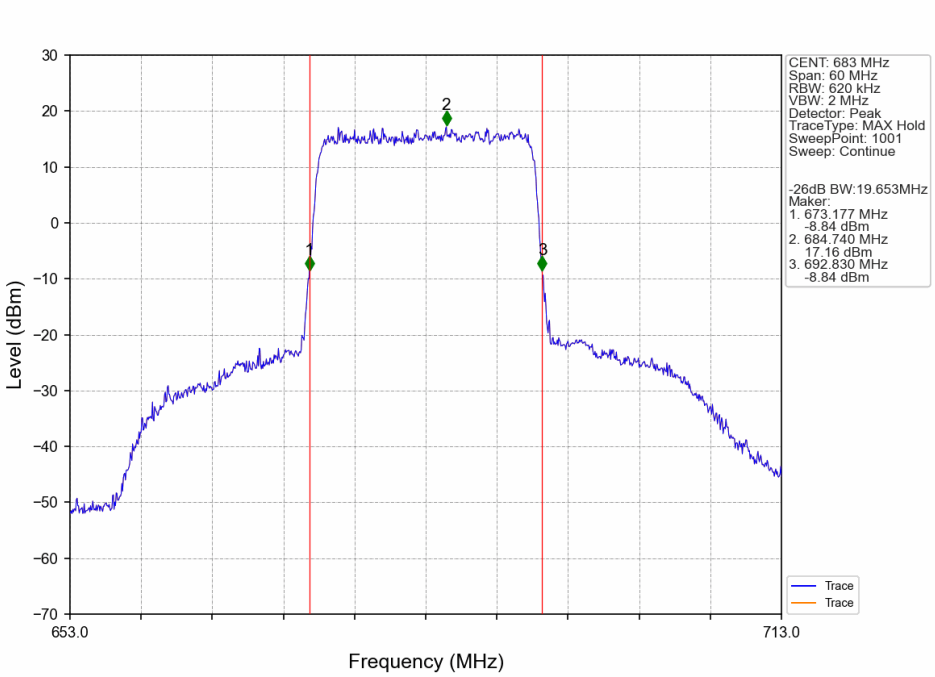
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



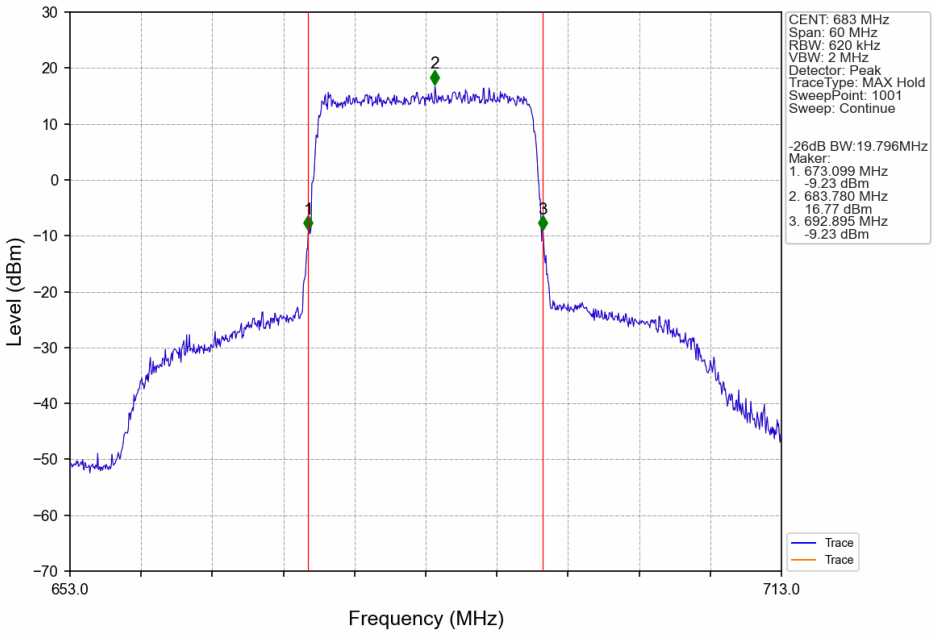
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



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

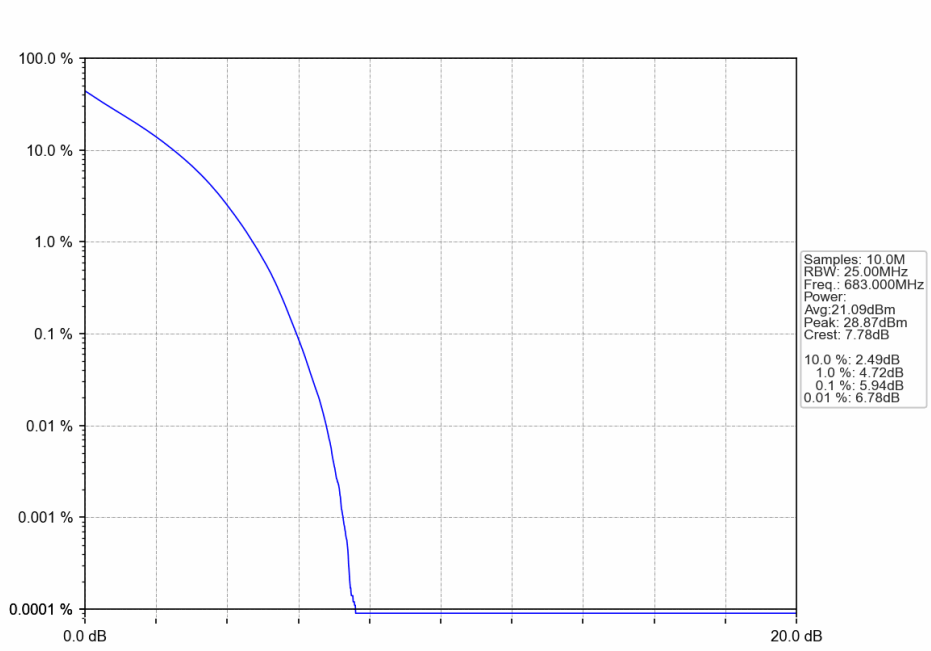
4.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	5.94	<=13	Pass
16QAM	683	100	0	6.70	<=13	Pass
64QAM	683	100	0	6.84	<=13	Pass
256QAM	683	100	0	6.82	<=13	Pass

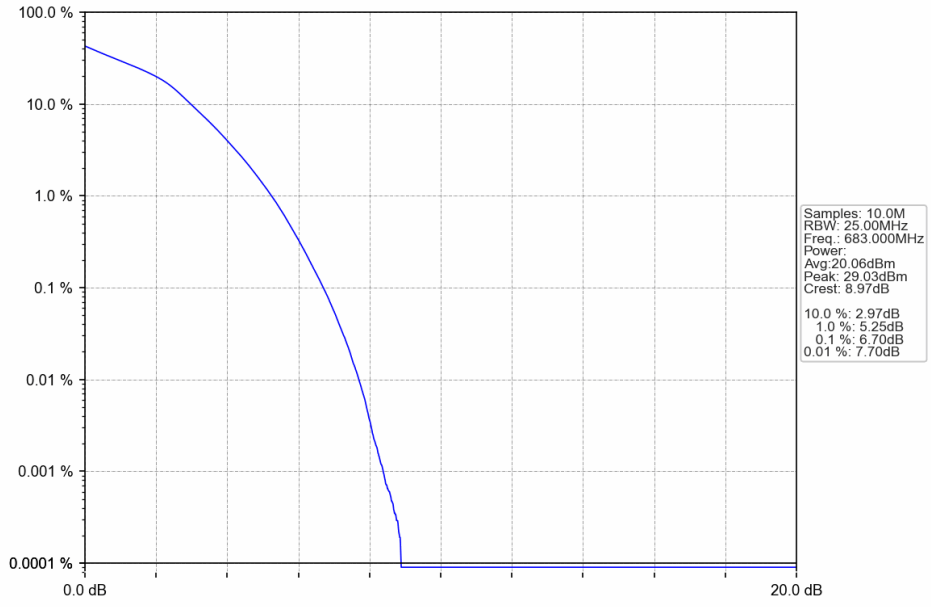
4.2 Test Graph

4.2.1 B71_20MHz

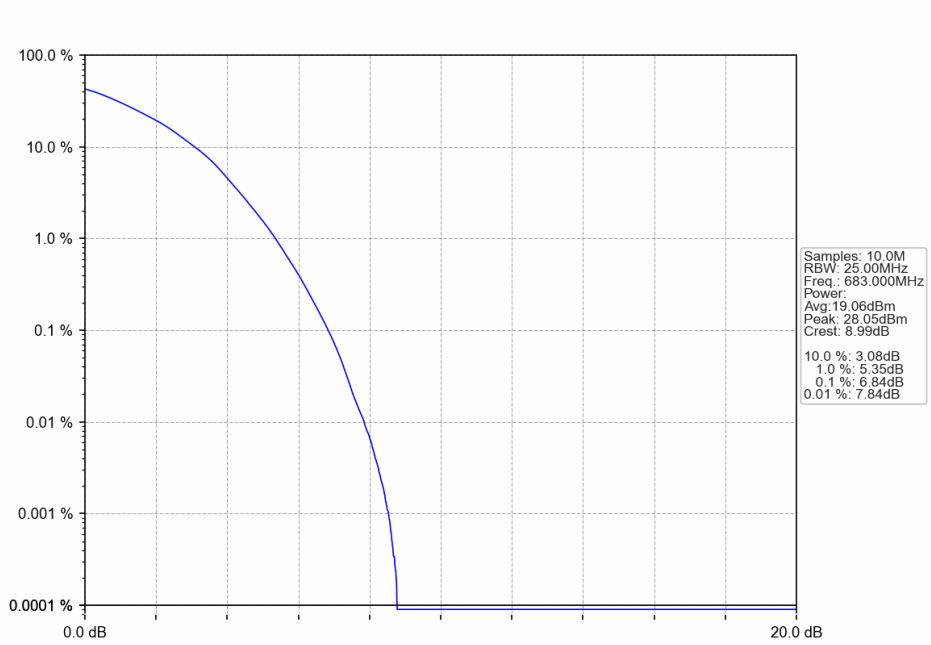
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



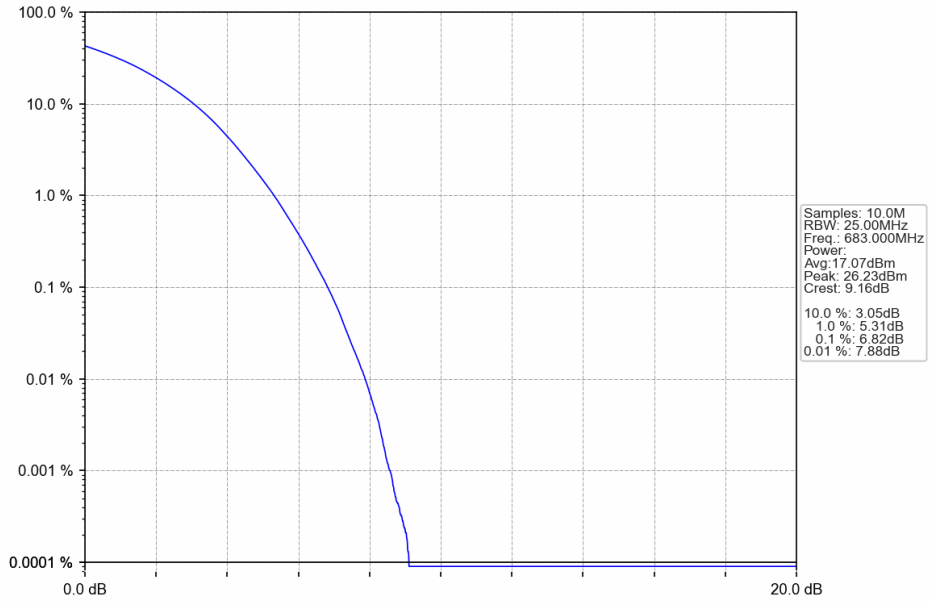
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



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

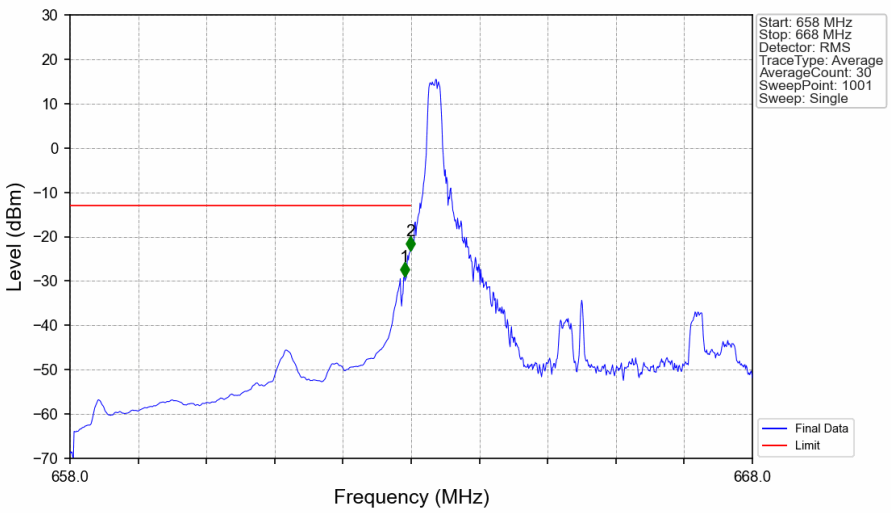
5.1.4 B71_20MHz

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

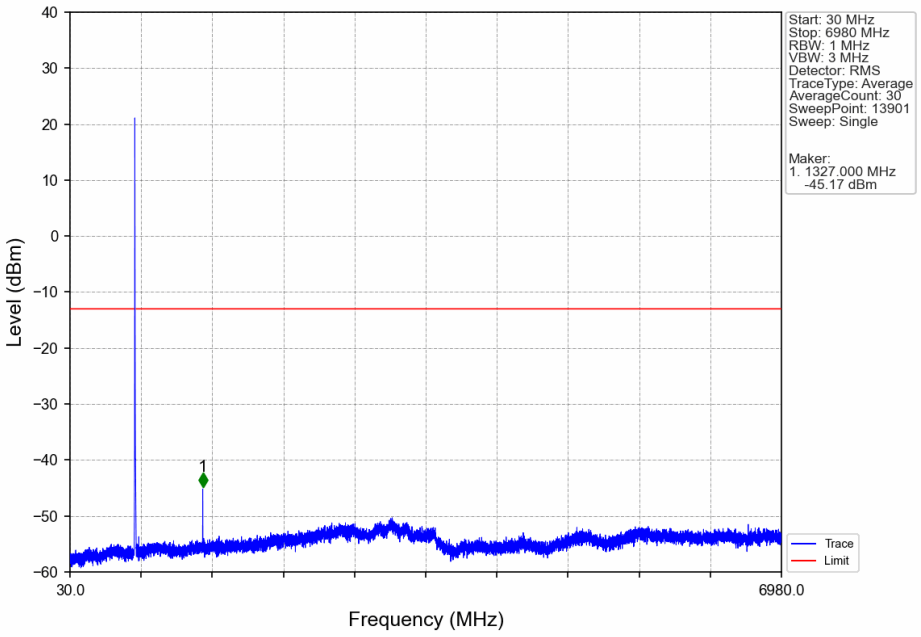
5.2.1 B71_5MHz

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

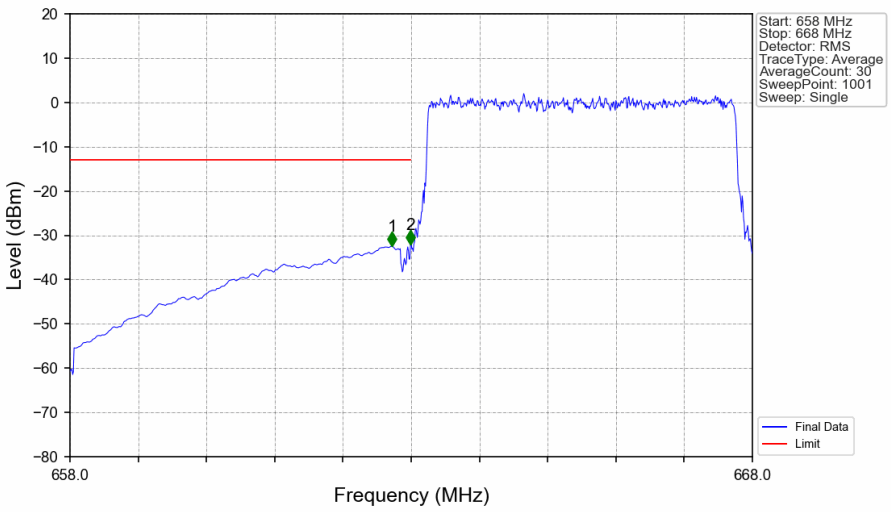


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.900	-28.99	-13	Pass
662.9	663	0.03	/	2	662.990	-23.11	-13	Pass
663	668	0.03	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

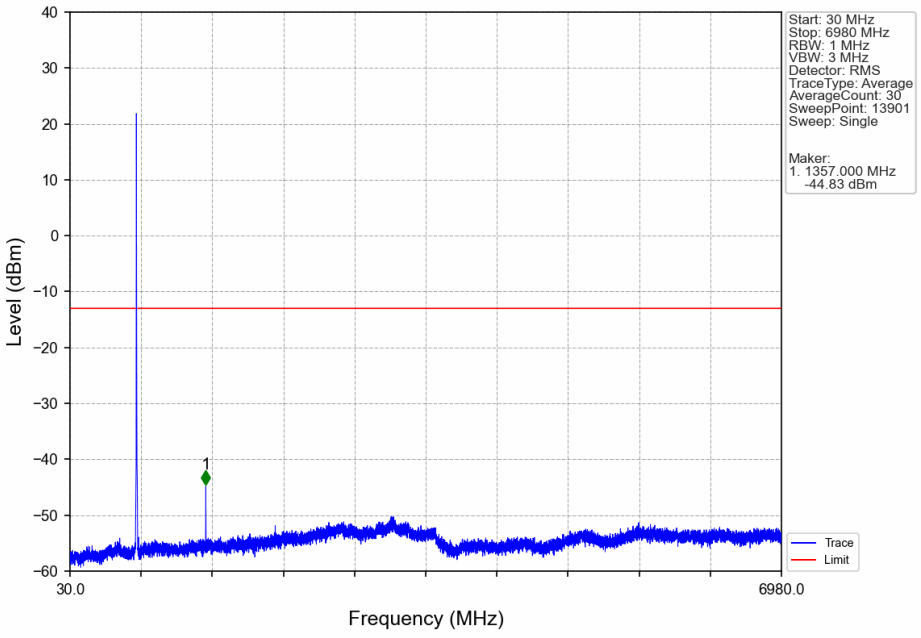


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

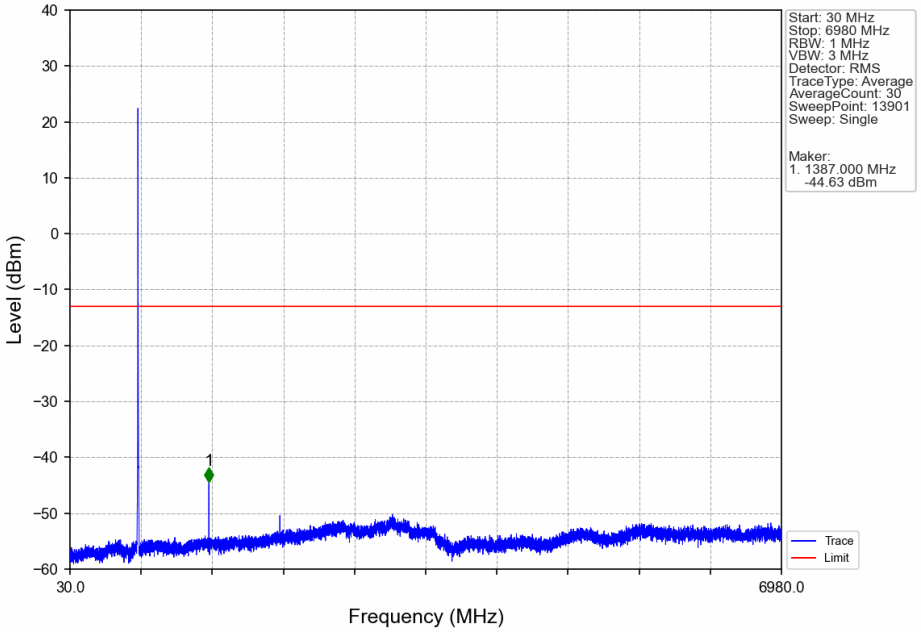


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.720	-32.42	-13	Pass
662.9	663	0.03	/	2	662.990	-31.99	-13	Pass
663	668	0.03	/	/	/	/	/	/

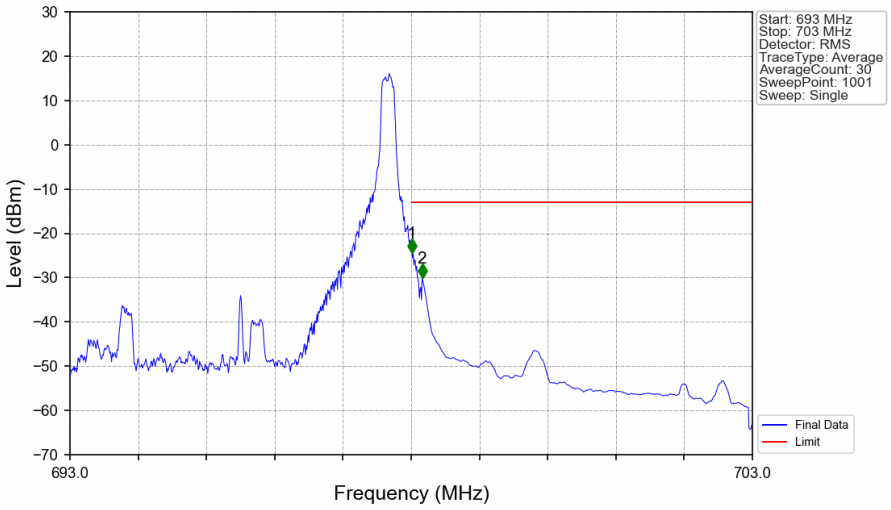
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

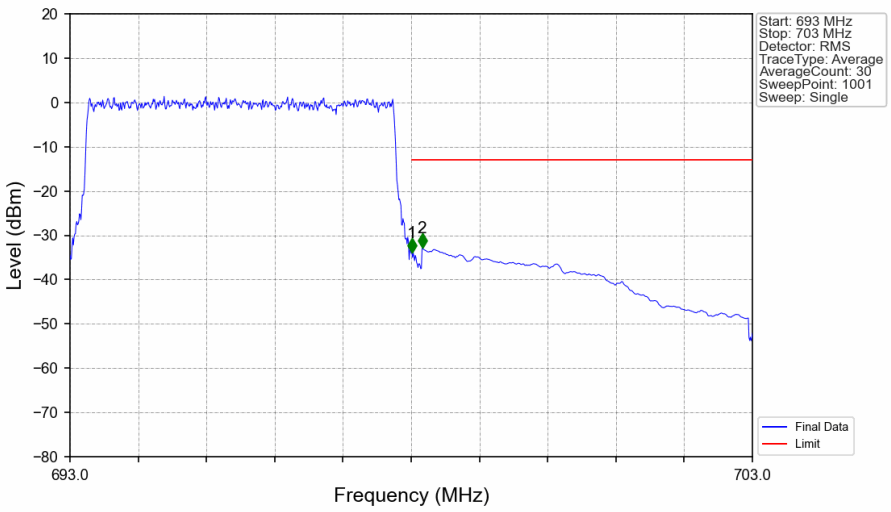


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



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	-24.36	-13	Pass
698.1	703	0.1	CHP	2	698.160	-30.01	-13	Pass

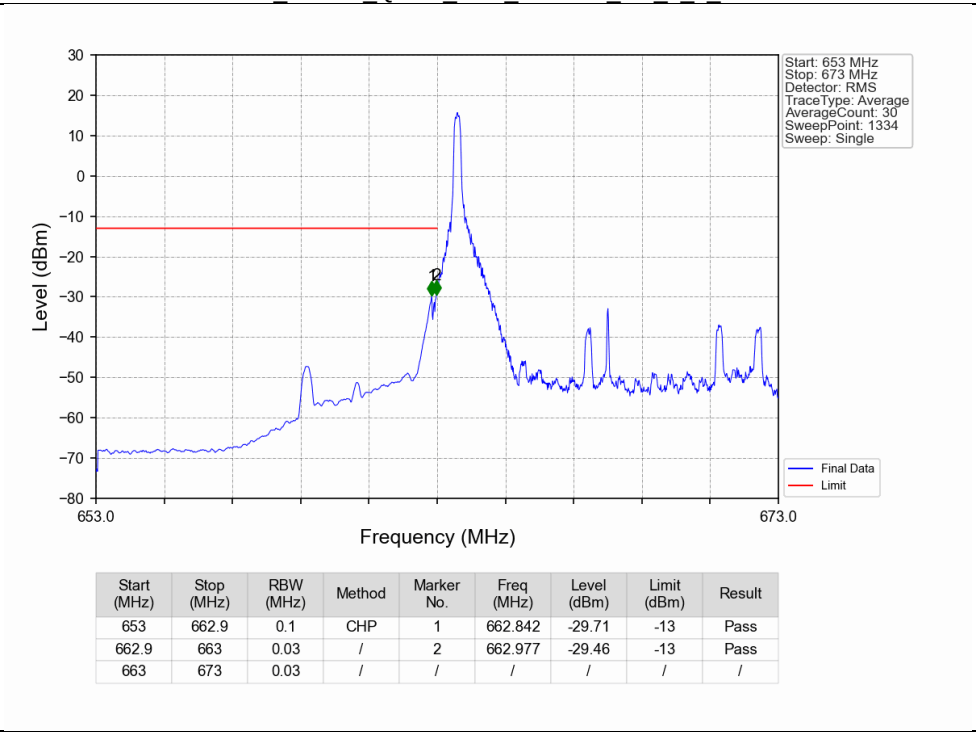
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



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	698.010	-33.87	-13	Pass
698.1	703	0.1	CHP	2	698.160	-32.76	-13	Pass

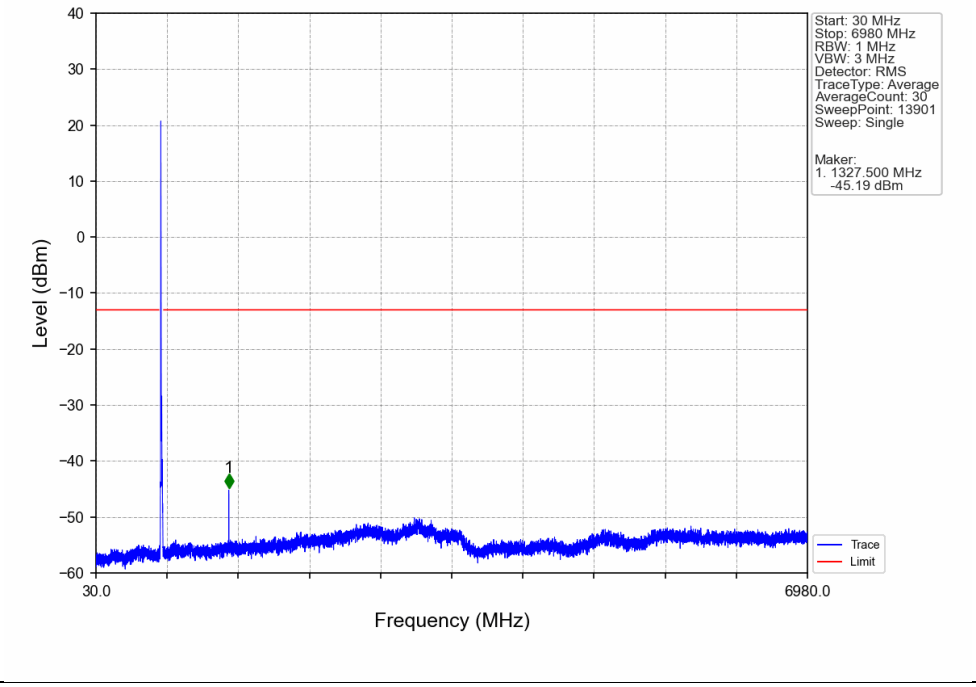
5.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

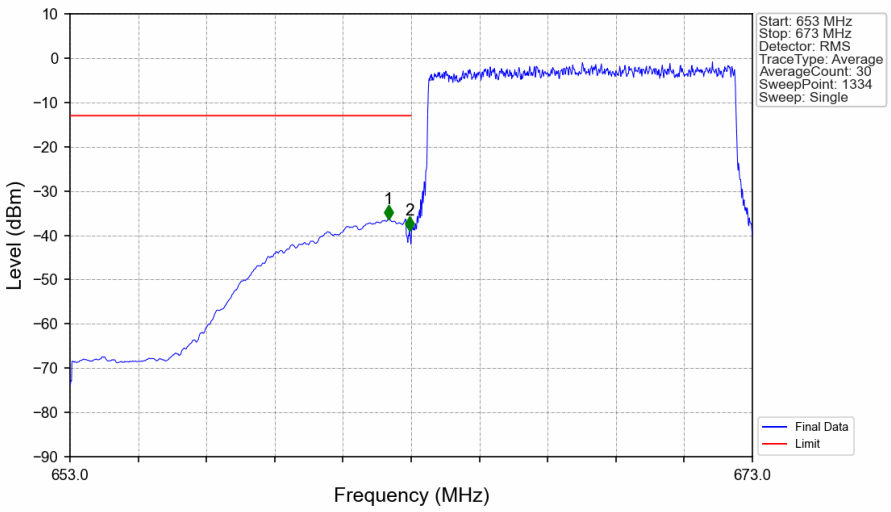


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-29.71	-13	Pass
662.9	663	0.03	/	2	662.977	-29.46	-13	Pass
663	673	0.03	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

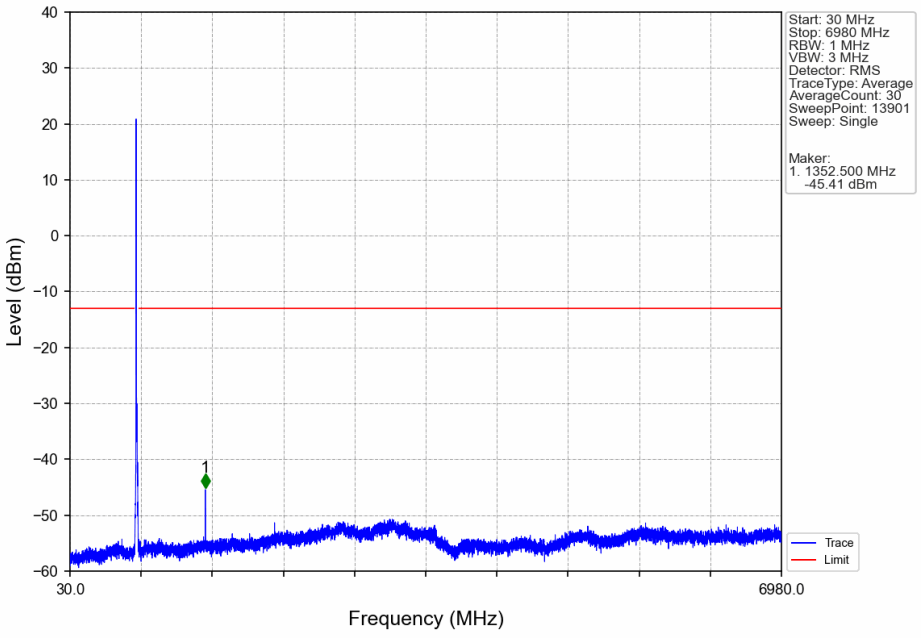


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

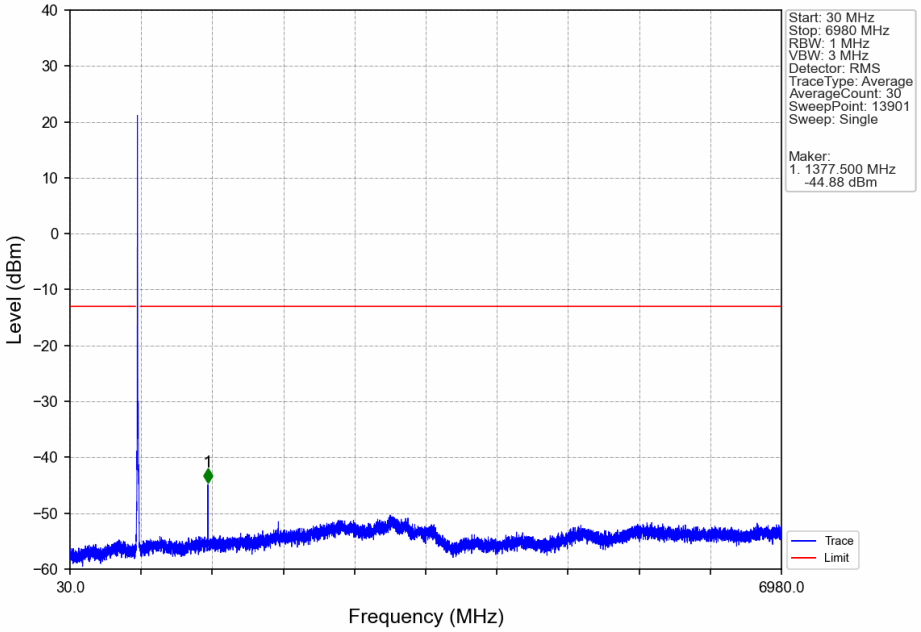


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.332	-36.30	-13	Pass
662.9	663	0.03	/	2	662.947	-38.86	-13	Pass
663	673	0.03	/	/	/	/	/	/

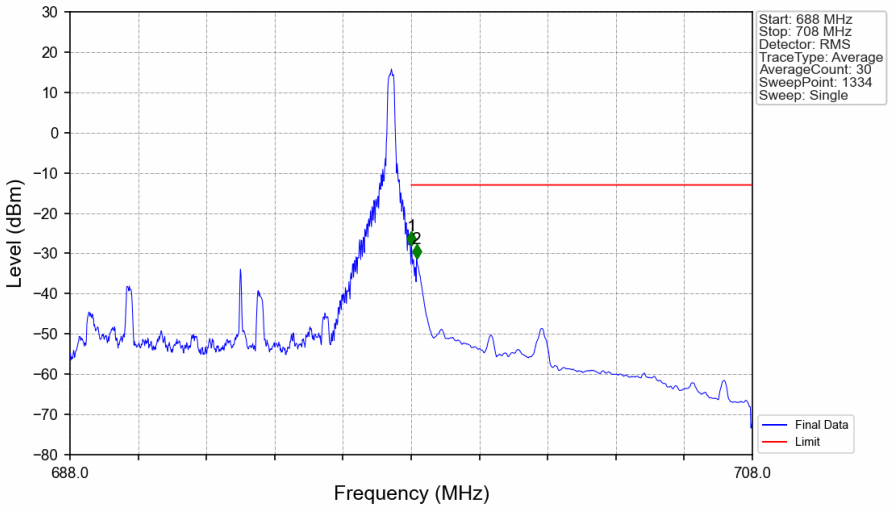
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

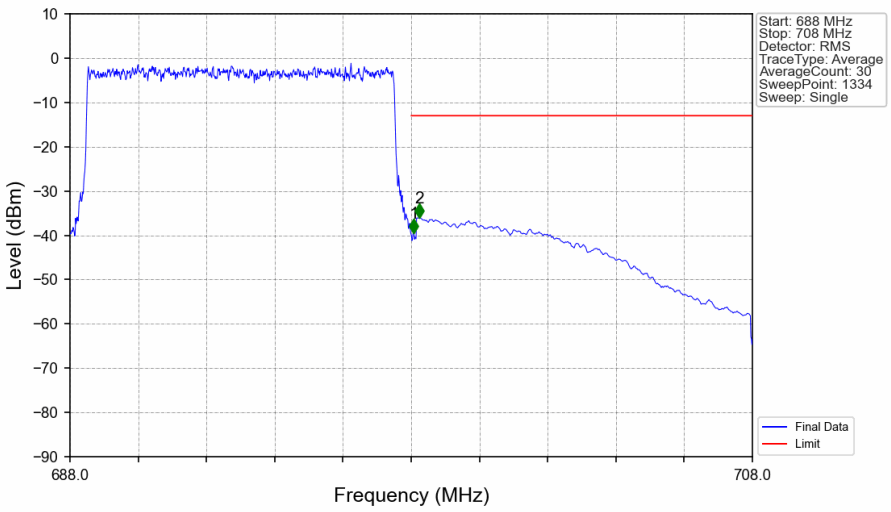


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



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	-27.98	-13	Pass
698.1	708	0.1	CHP	2	698.158	-31.34	-13	Pass

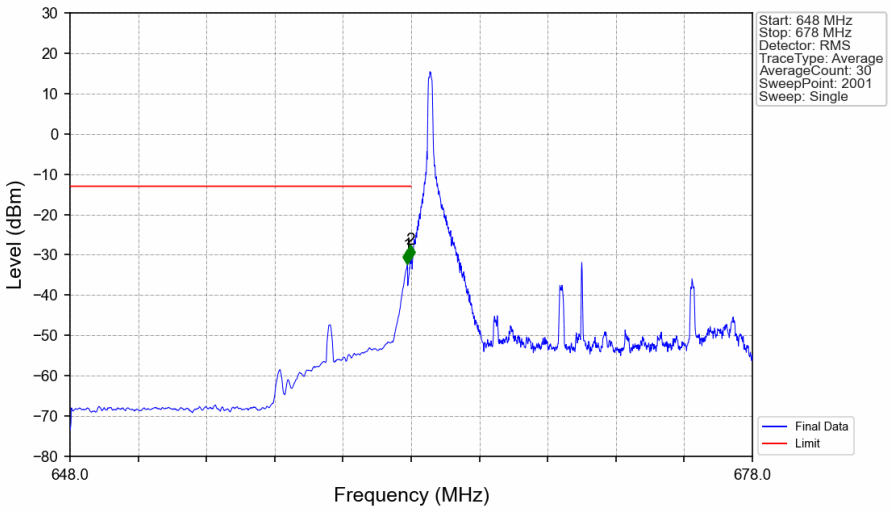
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



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	-39.56	-13	Pass
698.1	708	0.1	CHP	2	698.233	-35.99	-13	Pass

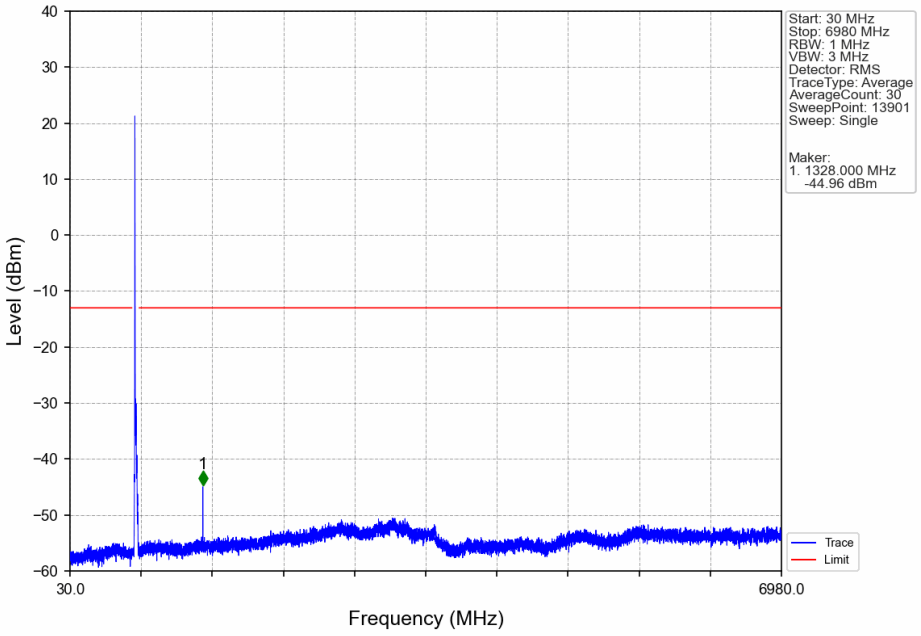
5.2.3 B71_15MHz

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

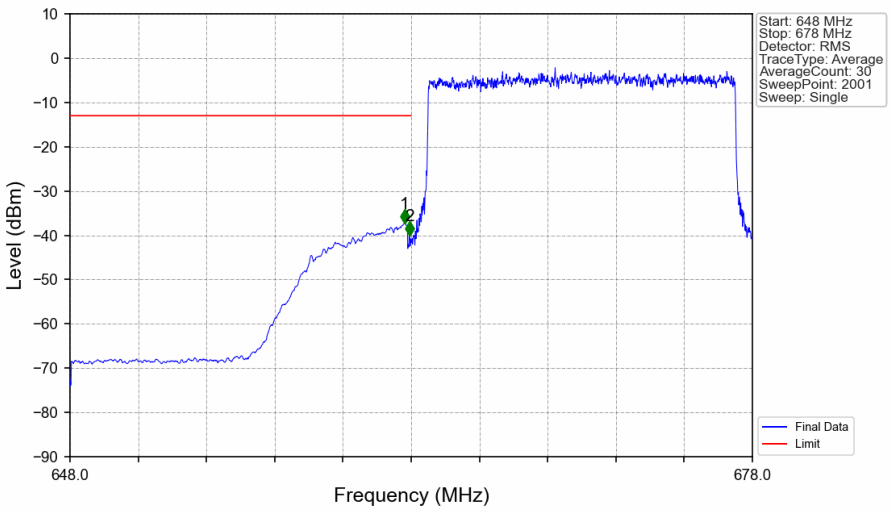


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-32.35	-13	Pass
662.9	663	0.03	/	2	662.955	-30.99	-13	Pass
663	678	0.03	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

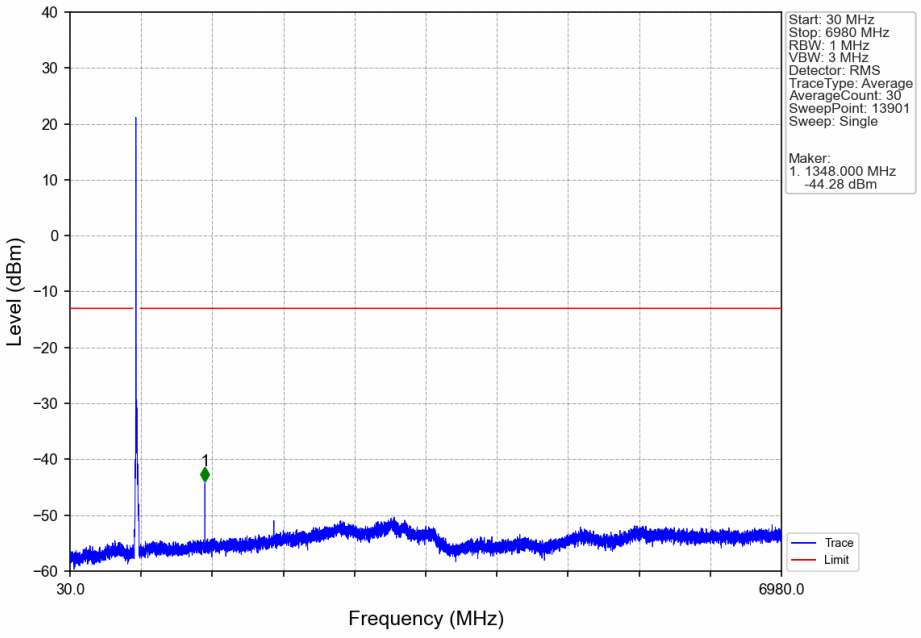


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

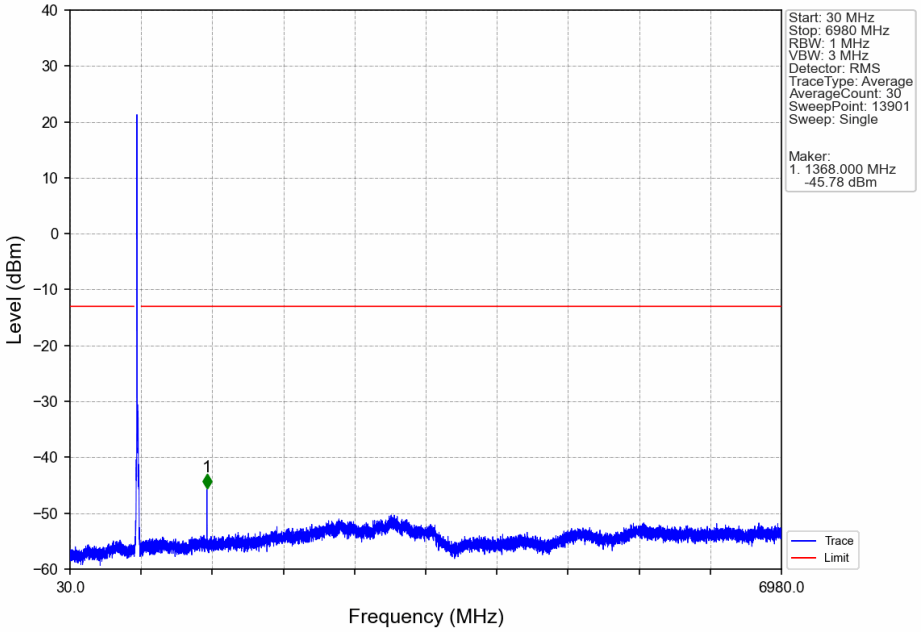


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.700	-37.30	-13	Pass
662.9	663	0.03	/	2	662.925	-39.98	-13	Pass
663	678	0.03	/	/	/	/	/	/

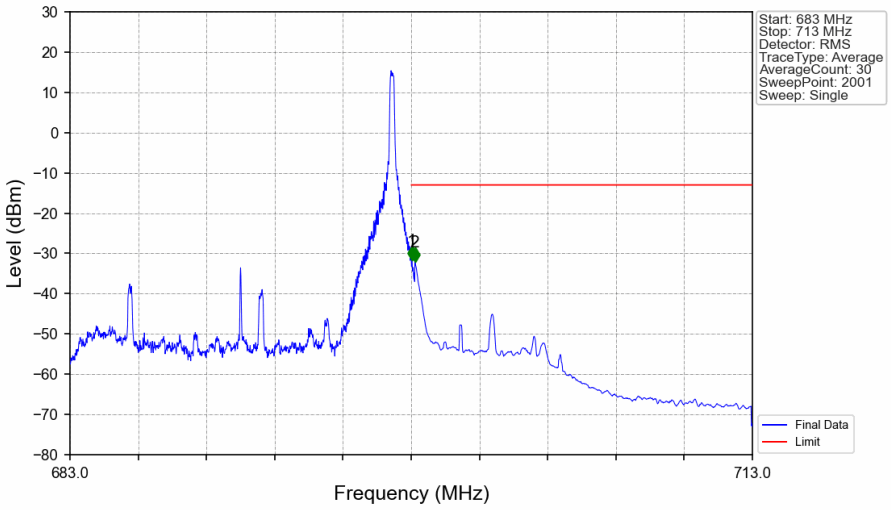
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

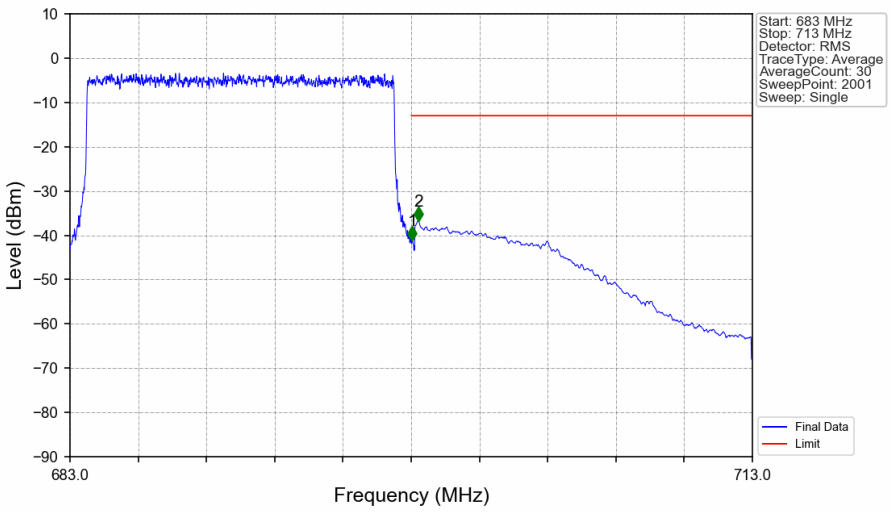


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



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	698.030	-31.67	-13	Pass
698.1	713	0.1	CHP	2	698.165	-32.12	-13	Pass

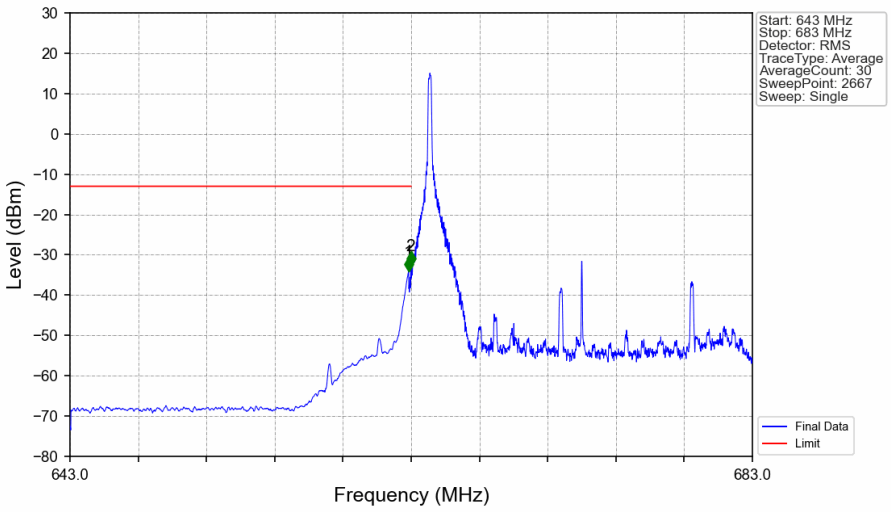
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



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	698.045	-41.19	-13	Pass
698.1	713	0.1	CHP	2	698.315	-36.70	-13	Pass

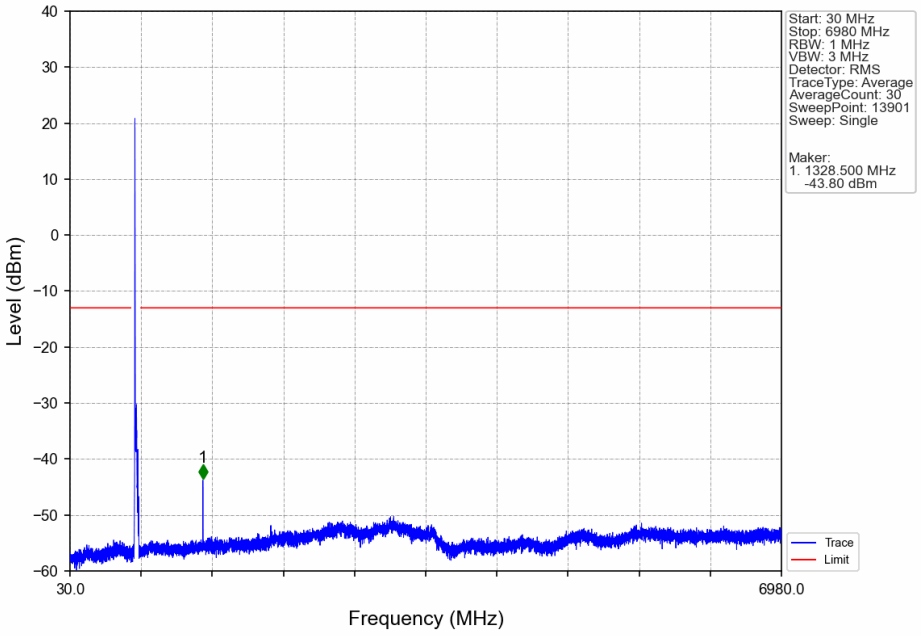
5.2.4 B71_20MHz

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

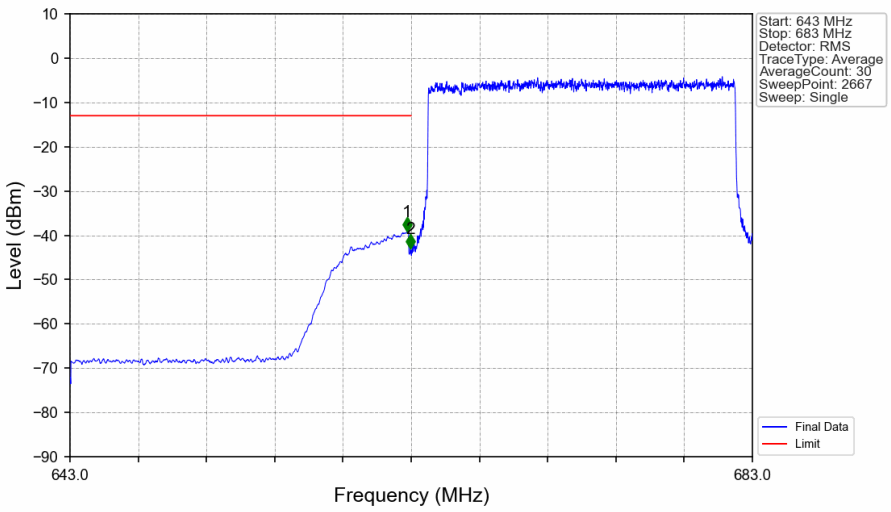


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-34.12	-13	Pass
662.9	663	0.03	/	2	662.985	-32.72	-13	Pass
663	683	0.03	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

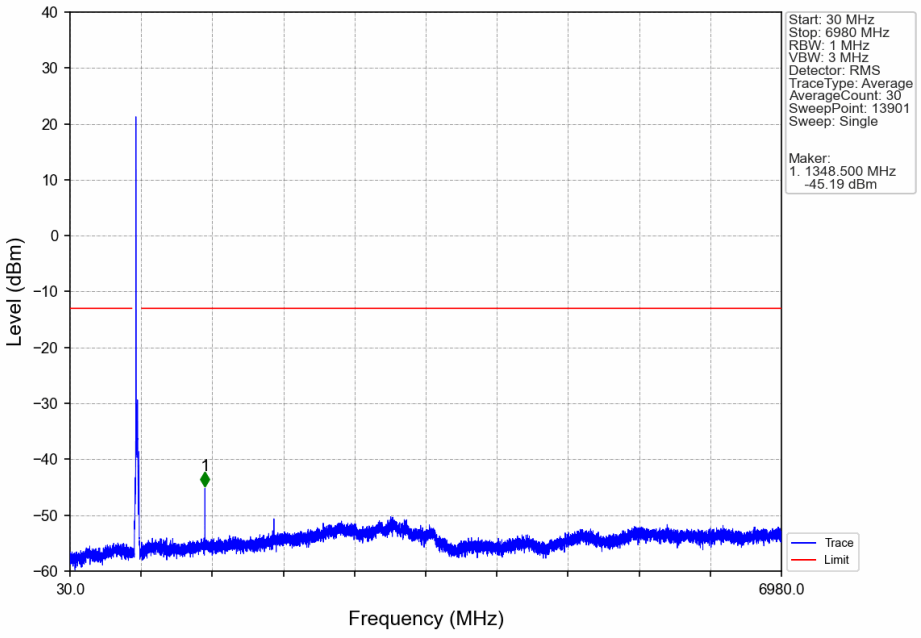


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

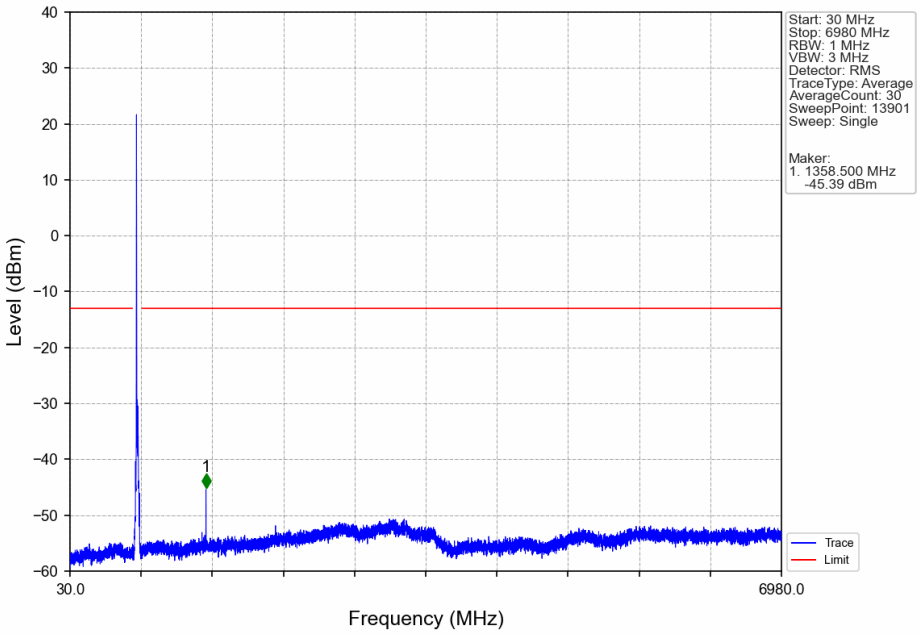


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.760	-39.15	-13	Pass
662.9	663	0.03	/	2	662.940	-43.00	-13	Pass
663	683	0.03	/	/	/	/	/	/

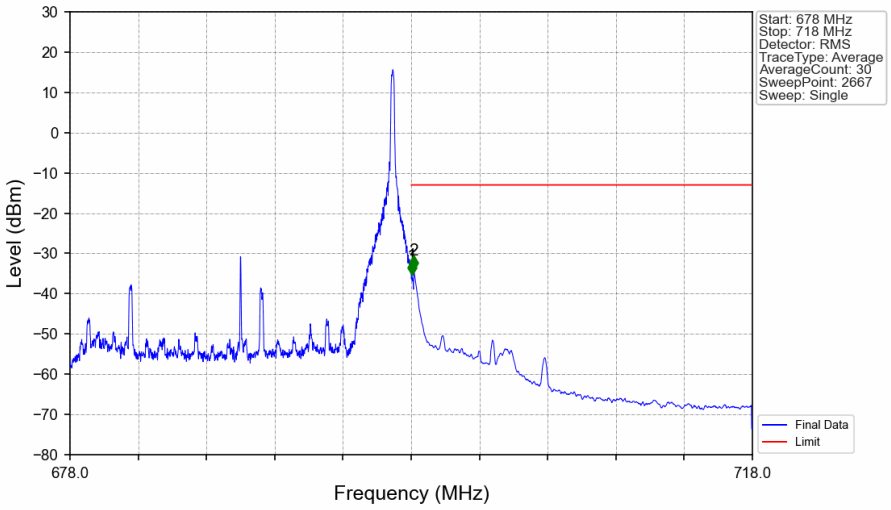
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

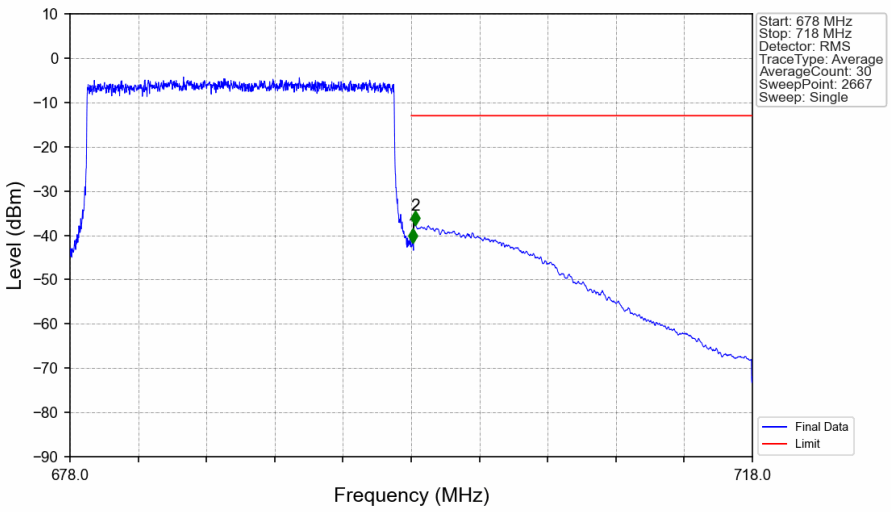


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



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	-35.33	-13	Pass
698.1	718	0.1	CHP	2	698.150	-34.05	-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	698.075	-41.66	-13	Pass
698.1	718	0.1	CHP	2	698.240	-37.69	-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	-68.69	-13	-55.69	-71.08	2.4	4.79	Horizontal	Pass
1992.0	-66.05	-13	-53.05	-67.97	2.72	4.64	Horizontal	Pass
2656.0	-68.03	-13	-55.03	-71.09	3.1	6.16	Horizontal	Pass
1328.0	-68.62	-13	-55.62	-71.01	2.4	4.79	Vertical	Pass
1992.0	-66.19	-13	-53.19	-68.11	2.72	4.64	Vertical	Pass
2656.0	-67.8	-13	-54.8	-70.86	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**
1348.0	-70.23	-13	-57.23	-72.73	2.42	4.92	Horizontal	Pass
2022.0	-68.12	-13	-55.12	-70.05	2.74	4.67	Horizontal	Pass
2696.0	-68.1	-13	-55.1	-71.24	3.11	6.25	Horizontal	Pass
1348.0	-70.16	-13	-57.16	-72.66	2.42	4.92	Vertical	Pass
2022.0	-67.91	-13	-54.91	-69.84	2.74	4.67	Vertical	Pass
2696.0	-67.65	-13	-54.65	-70.79	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	-67.96	-13	-54.96	-70.51	2.43	4.98	Horizontal	Pass
2037.0	-66.54	-13	-53.54	-68.5	2.75	4.71	Horizontal	Pass
2716.0	-66.99	-13	-53.99	-70.18	3.11	6.3	Horizontal	Pass
1358.0	-68.6	-13	-55.6	-71.15	2.43	4.98	Vertical	Pass
2037.0	-66.62	-13	-53.62	-68.58	2.75	4.71	Vertical	Pass
2716.0	-66.86	-13	-53.86	-70.05	3.11	6.3	Vertical	Pass