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	24.26	-8.73	13.38	<=34.77	Pass
			13	24.46	-8.73	13.58	<=34.77	Pass
			24	24.15	-8.73	13.27	<=34.77	Pass
		12	0	23.18	-8.73	12.30	<=34.77	Pass
			6	23.32	-8.73	12.44	<=34.77	Pass
			13	23.26	-8.73	12.38	<=34.77	Pass
		25	0	23.28	-8.73	12.40	<=34.77	Pass
	680.5	1	0	24.22	-8.73	13.34	<=34.77	Pass
			13	23.86	-8.73	12.98	<=34.77	Pass
			24	24.07	-8.73	13.19	<=34.77	Pass
		12	0	23.24	-8.73	12.36	<=34.77	Pass
			6	23.26	-8.73	12.38	<=34.77	Pass
			13	23.36	-8.73	12.48	<=34.77	Pass
		25	0	23.15	-8.73	12.27	<=34.77	Pass
	695.5	1	0	24.20	-8.73	13.32	<=34.77	Pass
			13	24.19	-8.73	13.31	<=34.77	Pass
			24	23.48	-8.73	12.60	<=34.77	Pass
		12	0	23.23	-8.73	12.35	<=34.77	Pass
			6	23.22	-8.73	12.34	<=34.77	Pass
			13	23.21	-8.73	12.33	<=34.77	Pass
		25	0	23.16	-8.73	12.28	<=34.77	Pass
16QAM	665.5	1	0	22.83	-8.73	11.95	<=34.77	Pass
			13	23.47	-8.73	12.59	<=34.77	Pass
			24	23.03	-8.73	12.15	<=34.77	Pass
		12	0	22.14	-8.73	11.26	<=34.77	Pass
			6	22.26	-8.73	11.38	<=34.77	Pass
			13	22.24	-8.73	11.36	<=34.77	Pass
		25	0	22.27	-8.73	11.39	<=34.77	Pass
	680.5	1	0	23.34	-8.73	12.46	<=34.77	Pass
			13	23.14	-8.73	12.26	<=34.77	Pass
			24	23.37	-8.73	12.49	<=34.77	Pass
		12	0	22.16	-8.73	11.28	<=34.77	Pass
			6	22.18	-8.73	11.30	<=34.77	Pass
			13	22.26	-8.73	11.38	<=34.77	Pass
		25	0	22.27	-8.73	11.39	<=34.77	Pass
	695.5	1	0	23.40	-8.73	12.52	<=34.77	Pass
			13	24.29	-8.73	13.41	<=34.77	Pass
			24	23.34	-8.73	12.46	<=34.77	Pass
		12	0	22.19	-8.73	11.31	<=34.77	Pass
			6	22.25	-8.73	11.37	<=34.77	Pass
			13	22.29	-8.73	11.41	<=34.77	Pass
		25	0	22.14	-8.73	11.26	<=34.77	Pass
64QAM	665.5	1	0	23.39	-8.73	12.51	<=34.77	Pass
			13	23.49	-8.73	12.61	<=34.77	Pass
			24	23.01	-8.73	12.13	<=34.77	Pass
		12	0	22.12	-8.73	11.24	<=34.77	Pass
			6	22.22	-8.73	11.34	<=34.77	Pass
			13	22.24	-8.73	11.36	<=34.77	Pass
		25	0	22.25	-8.73	11.37	<=34.77	Pass

	680.5	1	0	22.92	-8.73	12.04	<=34.77	Pass
			13	23.20	-8.73	12.32	<=34.77	Pass
			24	22.82	-8.73	11.94	<=34.77	Pass
		12	0	22.27	-8.73	11.39	<=34.77	Pass
			6	22.24	-8.73	11.36	<=34.77	Pass
			13	22.27	-8.73	11.39	<=34.77	Pass
		25	0	22.19	-8.73	11.31	<=34.77	Pass
	695.5	1	0	23.11	-8.73	12.23	<=34.77	Pass
			13	22.69	-8.73	11.81	<=34.77	Pass
			24	23.28	-8.73	12.40	<=34.77	Pass
		12	0	22.15	-8.73	11.27	<=34.77	Pass
			6	22.17	-8.73	11.29	<=34.77	Pass
			13	22.27	-8.73	11.39	<=34.77	Pass
		25	0	22.21	-8.73	11.33	<=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	24.18	-8.73	13.30	<=34.77	Pass
			25	24.26	-8.73	13.38	<=34.77	Pass
			49	24.12	-8.73	13.24	<=34.77	Pass
		25	0	23.28	-8.73	12.40	<=34.77	Pass
			13	23.41	-8.73	12.53	<=34.77	Pass
			25	23.25	-8.73	12.37	<=34.77	Pass
		50	0	23.32	-8.73	12.44	<=34.77	Pass
	680.5	1	0	24.33	-8.73	13.45	<=34.77	Pass
			25	24.22	-8.73	13.34	<=34.77	Pass
			49	24.18	-8.73	13.30	<=34.77	Pass
		25	0	23.30	-8.73	12.42	<=34.77	Pass
			13	23.31	-8.73	12.43	<=34.77	Pass
			25	23.32	-8.73	12.44	<=34.77	Pass
		50	0	23.21	-8.73	12.33	<=34.77	Pass
	693	1	0	24.28	-8.73	13.40	<=34.77	Pass
			25	24.47	-8.73	13.59	<=34.77	Pass
			49	24.02	-8.73	13.14	<=34.77	Pass
		25	0	23.22	-8.73	12.34	<=34.77	Pass
			13	23.27	-8.73	12.39	<=34.77	Pass
			25	23.27	-8.73	12.39	<=34.77	Pass
		50	0	23.26	-8.73	12.38	<=34.77	Pass
16QAM	668	1	0	23.09	-8.73	12.21	<=34.77	Pass
			25	23.64	-8.73	12.76	<=34.77	Pass
			49	22.89	-8.73	12.01	<=34.77	Pass
		25	0	22.30	-8.73	11.42	<=34.77	Pass
			13	22.20	-8.73	11.32	<=34.77	Pass
			25	22.31	-8.73	11.43	<=34.77	Pass
		50	0	22.33	-8.73	11.45	<=34.77	Pass
	680.5	1	0	23.26	-8.73	12.38	<=34.77	Pass
			25	23.20	-8.73	12.32	<=34.77	Pass
			49	23.26	-8.73	12.38	<=34.77	Pass
		25	0	22.27	-8.73	11.39	<=34.77	Pass
			13	22.20	-8.73	11.32	<=34.77	Pass
			25	22.33	-8.73	11.45	<=34.77	Pass
		50	0	22.16	-8.73	11.28	<=34.77	Pass
	693	1	0	23.43	-8.73	12.55	<=34.77	Pass

			25	23.25	-8.73	12.37	<=34.77	Pass
			49	22.70	-8.73	11.82	<=34.77	Pass
		25	0	22.21	-8.73	11.33	<=34.77	Pass
			13	22.33	-8.73	11.45	<=34.77	Pass
			25	22.32	-8.73	11.44	<=34.77	Pass
		50	0	22.24	-8.73	11.36	<=34.77	Pass
64QAM	668	1	0	23.54	-8.73	12.66	<=34.77	Pass
			25	23.00	-8.73	12.12	<=34.77	Pass
			49	22.91	-8.73	12.03	<=34.77	Pass
		25	0	22.19	-8.73	11.31	<=34.77	Pass
			13	22.33	-8.73	11.45	<=34.77	Pass
			25	22.25	-8.73	11.37	<=34.77	Pass
		50	0	22.21	-8.73	11.33	<=34.77	Pass
	680.5	1	0	22.75	-8.73	11.87	<=34.77	Pass
			25	22.55	-8.73	11.67	<=34.77	Pass
			49	23.57	-8.73	12.69	<=34.77	Pass
		25	0	22.29	-8.73	11.41	<=34.77	Pass
			13	22.26	-8.73	11.38	<=34.77	Pass
			25	22.29	-8.73	11.41	<=34.77	Pass
		50	0	22.26	-8.73	11.38	<=34.77	Pass
	693	1	0	23.12	-8.73	12.24	<=34.77	Pass
			25	22.98	-8.73	12.10	<=34.77	Pass
			49	23.05	-8.73	12.17	<=34.77	Pass
		25	0	22.27	-8.73	11.39	<=34.77	Pass
			13	22.32	-8.73	11.44	<=34.77	Pass
			25	22.34	-8.73	11.46	<=34.77	Pass
		50	0	22.33	-8.73	11.45	<=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	24.43	-8.73	13.55	<=34.77	Pass
			38	24.12	-8.73	13.24	<=34.77	Pass
			74	24.19	-8.73	13.31	<=34.77	Pass
		36	0	23.20	-8.73	12.32	<=34.77	Pass
			18	23.34	-8.73	12.46	<=34.77	Pass
			39	23.13	-8.73	12.25	<=34.77	Pass
		75	0	23.29	-8.73	12.41	<=34.77	Pass
	680.5	1	0	24.37	-8.73	13.49	<=34.77	Pass
			38	24.15	-8.73	13.27	<=34.77	Pass
			74	23.97	-8.73	13.09	<=34.77	Pass
		36	0	23.23	-8.73	12.35	<=34.77	Pass
			18	23.13	-8.73	12.25	<=34.77	Pass
			39	23.11	-8.73	12.23	<=34.77	Pass
		75	0	23.04	-8.73	12.16	<=34.77	Pass
	690.5	1	0	24.14	-8.73	13.26	<=34.77	Pass
			38	24.58	-8.73	13.70	<=34.77	Pass
			74	24.66	-8.73	13.78	<=34.77	Pass
		36	0	23.15	-8.73	12.27	<=34.77	Pass
			18	23.17	-8.73	12.29	<=34.77	Pass
			39	23.07	-8.73	12.19	<=34.77	Pass
		75	0	23.14	-8.73	12.26	<=34.77	Pass
16QAM	670.5	1	0	23.19	-8.73	12.31	<=34.77	Pass
			38	23.53	-8.73	12.65	<=34.77	Pass

			74	22.37	-8.73	11.49	<=34.77	Pass
		36	0	22.22	-8.73	11.34	<=34.77	Pass
			18	22.16	-8.73	11.28	<=34.77	Pass
			39	22.07	-8.73	11.19	<=34.77	Pass
		75	0	22.23	-8.73	11.35	<=34.77	Pass
	680.5	1	0	23.35	-8.73	12.47	<=34.77	Pass
			38	23.59	-8.73	12.71	<=34.77	Pass
			74	23.23	-8.73	12.35	<=34.77	Pass
		36	0	22.28	-8.73	11.40	<=34.77	Pass
			18	22.16	-8.73	11.28	<=34.77	Pass
			39	22.09	-8.73	11.21	<=34.77	Pass
		75	0	22.17	-8.73	11.29	<=34.77	Pass
	690.5	1	0	23.19	-8.73	12.31	<=34.77	Pass
			38	22.99	-8.73	12.11	<=34.77	Pass
			74	22.98	-8.73	12.10	<=34.77	Pass
		36	0	22.11	-8.73	11.23	<=34.77	Pass
			18	22.05	-8.73	11.17	<=34.77	Pass
			39	22.07	-8.73	11.19	<=34.77	Pass
		75	0	22.21	-8.73	11.33	<=34.77	Pass
64QAM	670.5	1	0	23.08	-8.73	12.20	<=34.77	Pass
			38	23.28	-8.73	12.40	<=34.77	Pass
			74	22.90	-8.73	12.02	<=34.77	Pass
		36	0	22.18	-8.73	11.30	<=34.77	Pass
			18	22.19	-8.73	11.31	<=34.77	Pass
			39	22.19	-8.73	11.31	<=34.77	Pass
		75	0	22.13	-8.73	11.25	<=34.77	Pass
	680.5	1	0	23.22	-8.73	12.34	<=34.77	Pass
			38	23.06	-8.73	12.18	<=34.77	Pass
			74	23.27	-8.73	12.39	<=34.77	Pass
		36	0	22.16	-8.73	11.28	<=34.77	Pass
			18	22.22	-8.73	11.34	<=34.77	Pass
			39	22.17	-8.73	11.29	<=34.77	Pass
		75	0	22.11	-8.73	11.23	<=34.77	Pass
	690.5	1	0	22.94	-8.73	12.06	<=34.77	Pass
			38	23.15	-8.73	12.27	<=34.77	Pass
			74	22.52	-8.73	11.64	<=34.77	Pass
		36	0	22.21	-8.73	11.33	<=34.77	Pass
			18	22.16	-8.73	11.28	<=34.77	Pass
			39	22.06	-8.73	11.18	<=34.77	Pass
		75	0	22.08	-8.73	11.20	<=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	24.68	-8.73	13.80	<=34.77	Pass
			50	24.28	-8.73	13.40	<=34.77	Pass
			99	24.06	-8.73	13.18	<=34.77	Pass
		50	0	23.22	-8.73	12.34	<=34.77	Pass
			25	23.19	-8.73	12.31	<=34.77	Pass
			50	23.08	-8.73	12.20	<=34.77	Pass
		100	0	23.16	-8.73	12.28	<=34.77	Pass
	683	1	0	24.24	-8.73	13.36	<=34.77	Pass
			50	24.05	-8.73	13.17	<=34.77	Pass
			99	24.15	-8.73	13.27	<=34.77	Pass

		50	0	23.19	-8.73	12.31	<=34.77	Pass
			25	23.10	-8.73	12.22	<=34.77	Pass
			50	23.03	-8.73	12.15	<=34.77	Pass
		100	0	23.18	-8.73	12.30	<=34.77	Pass
	688	1	0	24.23	-8.73	13.35	<=34.77	Pass
			50	24.15	-8.73	13.27	<=34.77	Pass
			99	23.51	-8.73	12.63	<=34.77	Pass
		50	0	23.06	-8.73	12.18	<=34.77	Pass
			25	23.13	-8.73	12.25	<=34.77	Pass
			50	23.04	-8.73	12.16	<=34.77	Pass
		100	0	23.16	-8.73	12.28	<=34.77	Pass
16QAM	673	1	0	23.11	-8.73	12.23	<=34.77	Pass
			50	23.04	-8.73	12.16	<=34.77	Pass
			99	22.31	-8.73	11.43	<=34.77	Pass
		50	0	22.22	-8.73	11.34	<=34.77	Pass
			25	22.23	-8.73	11.35	<=34.77	Pass
			50	22.10	-8.73	11.22	<=34.77	Pass
		100	0	22.10	-8.73	11.22	<=34.77	Pass
	683	1	0	23.32	-8.73	12.44	<=34.77	Pass
			50	23.21	-8.73	12.33	<=34.77	Pass
			99	23.02	-8.73	12.14	<=34.77	Pass
		50	0	22.20	-8.73	11.32	<=34.77	Pass
			25	22.15	-8.73	11.27	<=34.77	Pass
			50	22.08	-8.73	11.20	<=34.77	Pass
		100	0	22.12	-8.73	11.24	<=34.77	Pass
	688	1	0	23.17	-8.73	12.29	<=34.77	Pass
			50	22.98	-8.73	12.10	<=34.77	Pass
			99	23.24	-8.73	12.36	<=34.77	Pass
		50	0	22.12	-8.73	11.24	<=34.77	Pass
			25	22.08	-8.73	11.20	<=34.77	Pass
			50	22.11	-8.73	11.23	<=34.77	Pass
		100	0	22.11	-8.73	11.23	<=34.77	Pass
64QAM	673	1	0	22.95	-8.73	12.07	<=34.77	Pass
			50	22.91	-8.73	12.03	<=34.77	Pass
			99	22.88	-8.73	12.00	<=34.77	Pass
		50	0	22.15	-8.73	11.27	<=34.77	Pass
			25	22.23	-8.73	11.35	<=34.77	Pass
			50	22.02	-8.73	11.14	<=34.77	Pass
		100	0	22.21	-8.73	11.33	<=34.77	Pass
	683	1	0	22.78	-8.73	11.90	<=34.77	Pass
			50	22.78	-8.73	11.90	<=34.77	Pass
			99	22.73	-8.73	11.85	<=34.77	Pass
		50	0	22.23	-8.73	11.35	<=34.77	Pass
			25	22.06	-8.73	11.18	<=34.77	Pass
			50	22.08	-8.73	11.20	<=34.77	Pass
		100	0	22.13	-8.73	11.25	<=34.77	Pass
	688	1	0	22.92	-8.73	12.04	<=34.77	Pass
			50	22.96	-8.73	12.08	<=34.77	Pass
			99	23.47	-8.73	12.59	<=34.77	Pass
		50	0	22.11	-8.73	11.23	<=34.77	Pass
			25	22.09	-8.73	11.21	<=34.77	Pass
			50	22.13	-8.73	11.25	<=34.77	Pass
		100	0	22.21	-8.73	11.33	<=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	-0.200	-0.0003	-2.5 to 2.5	Pass
					NV	-2.300	-0.0034	-2.5 to 2.5	Pass
					HV	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	NV	0.400	0.0006	-2.5 to 2.5	Pass
				-20	NV	-1.600	-0.0024	-2.5 to 2.5	Pass
				-10	NV	-1.400	-0.0021	-2.5 to 2.5	Pass
				0	NV	-1.100	-0.0016	-2.5 to 2.5	Pass
				10	NV	-0.700	-0.0010	-2.5 to 2.5	Pass
				30	NV	-0.600	-0.0009	-2.5 to 2.5	Pass
				40	NV	-0.900	-0.0013	-2.5 to 2.5	Pass
				50	NV	2.300	0.0034	-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	4.572	/	Pass
	16QAM	680.5	25	0	4.548	/	Pass
10	QPSK	680.5	50	0	9.070	/	Pass
	16QAM	680.5	50	0	9.065	/	Pass
15	QPSK	680.5	75	0	13.554	/	Pass
	16QAM	680.5	75	0	13.593	/	Pass
20	QPSK	683	100	0	18.196	/	Pass
	16QAM	683	100	0	18.161	/	Pass

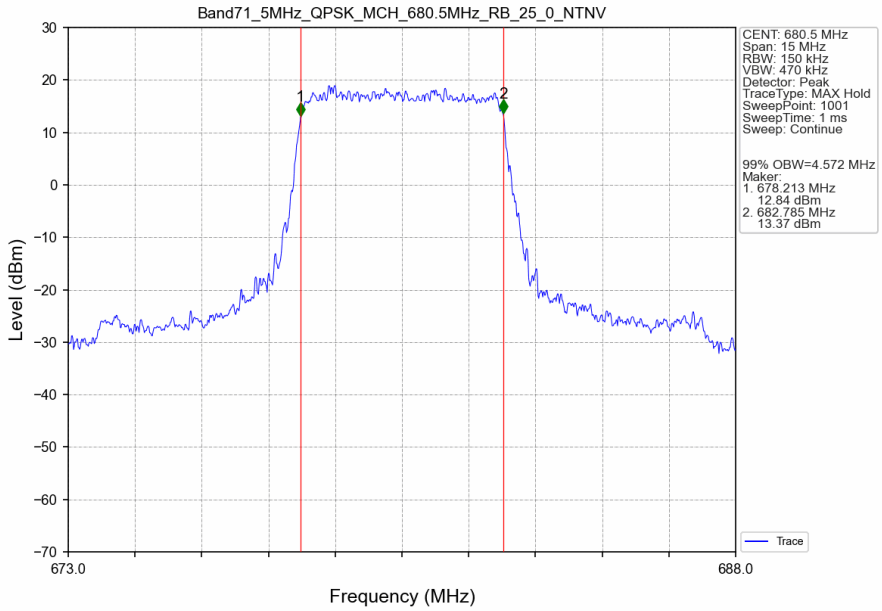
3.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	5.198	/	Pass
	16QAM	680.5	25	0	5.228	/	Pass
10	QPSK	680.5	50	0	10.237	/	Pass
	16QAM	680.5	50	0	10.099	/	Pass
15	QPSK	680.5	75	0	15.105	/	Pass
	16QAM	680.5	75	0	15.102	/	Pass
20	QPSK	683	100	0	20.106	/	Pass
	16QAM	683	100	0	19.963	/	Pass

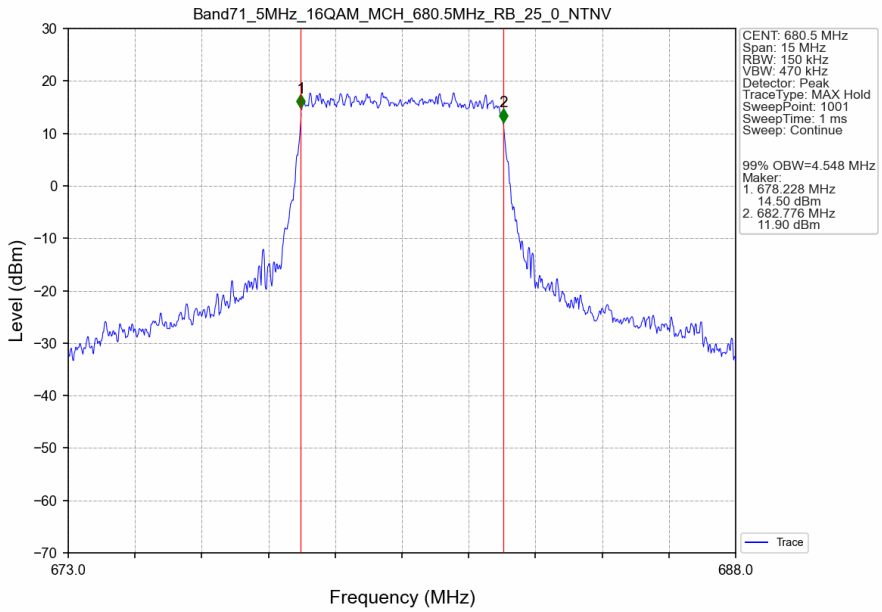
3.2 Test Graph

3.2.1 Band71_OBW

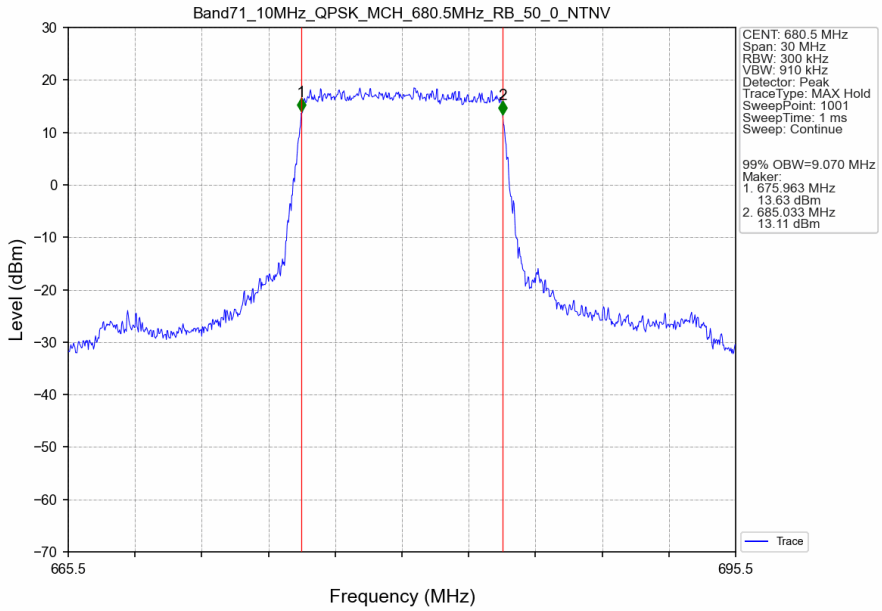
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



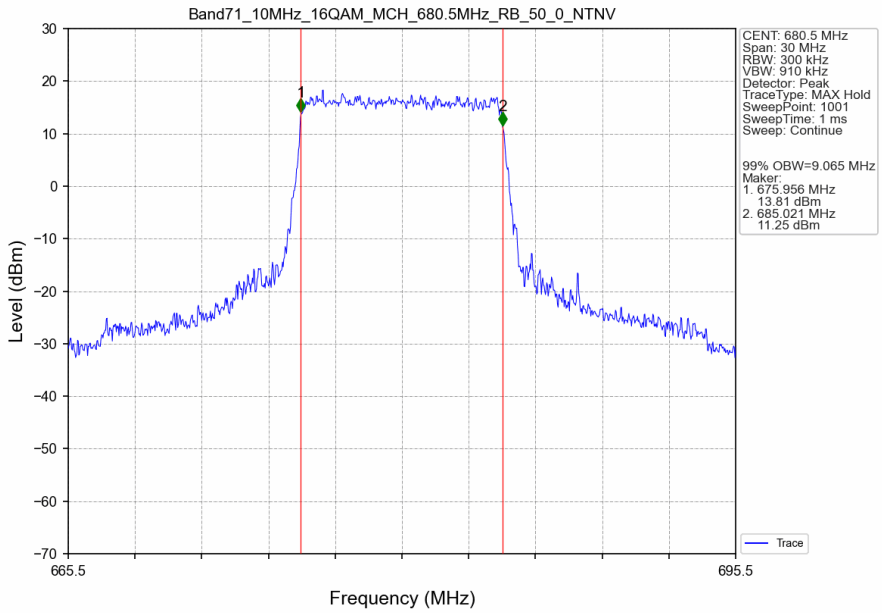
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



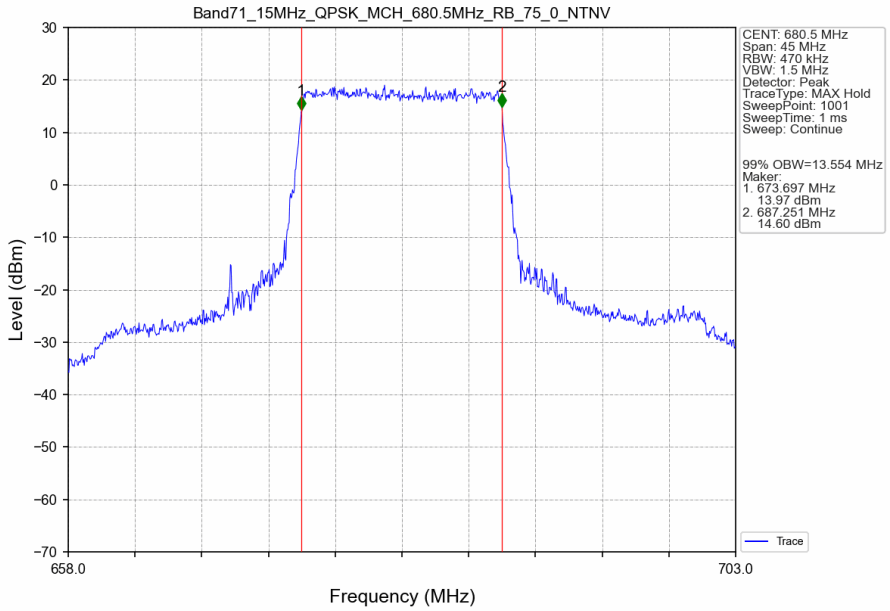
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



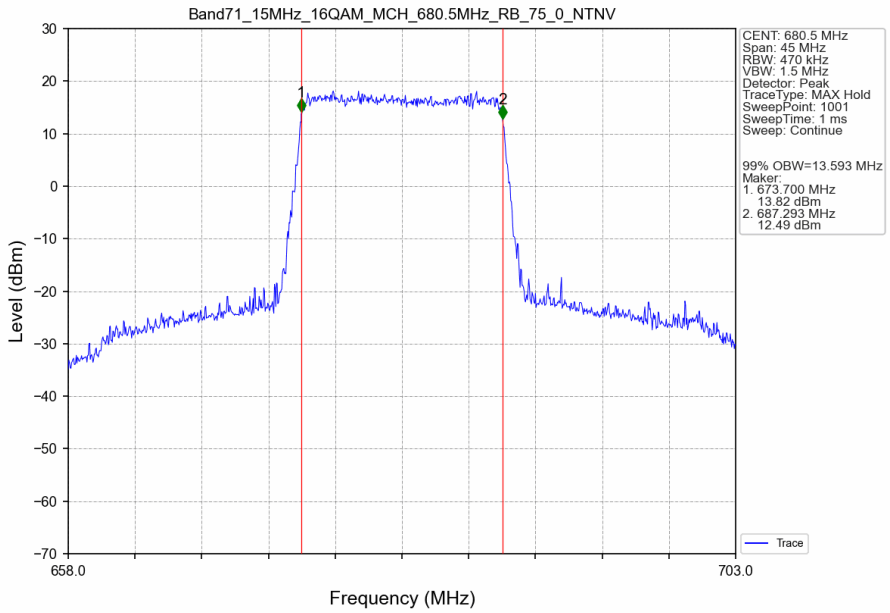
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



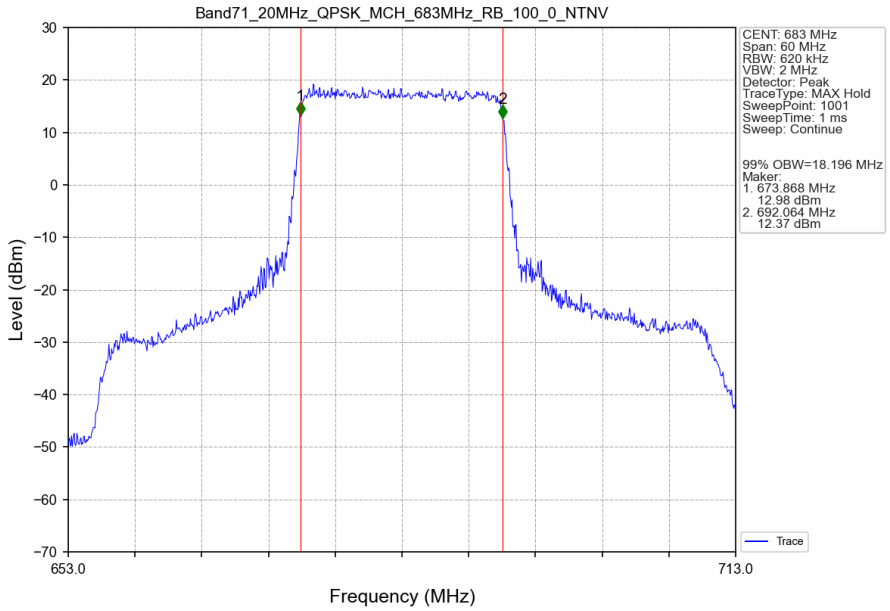
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



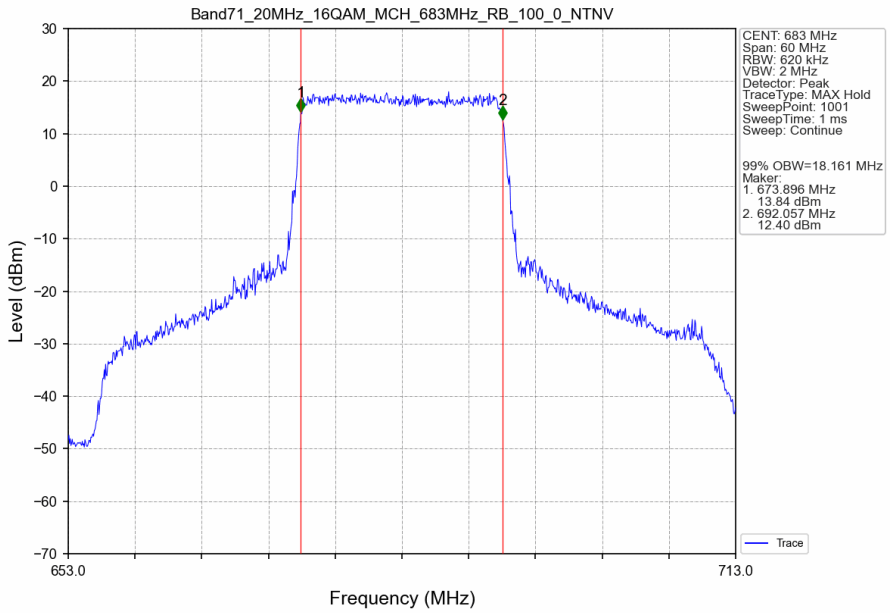
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



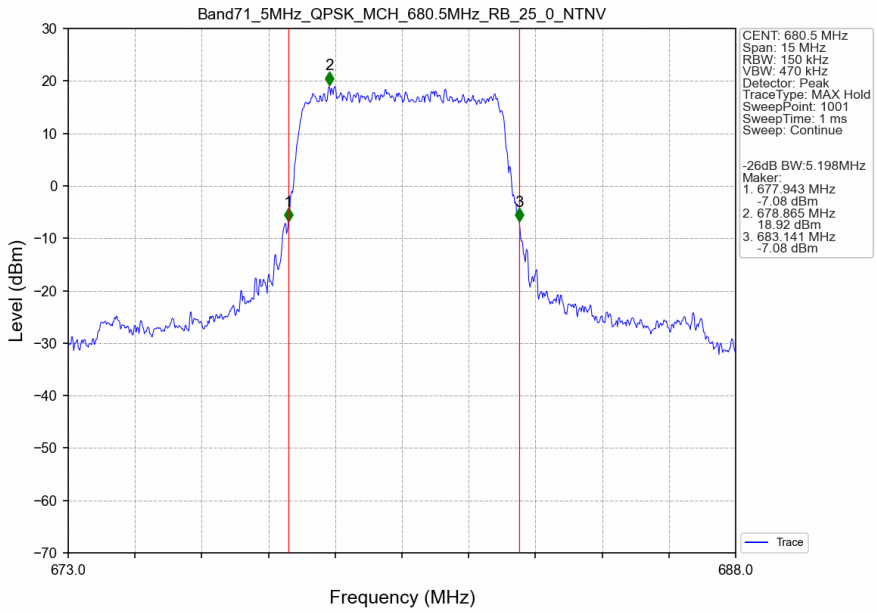
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV

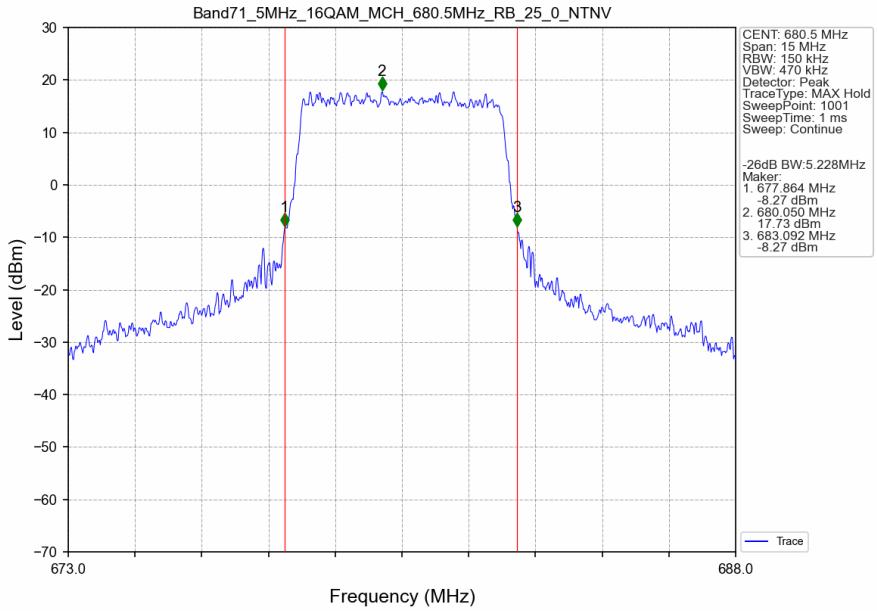


Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

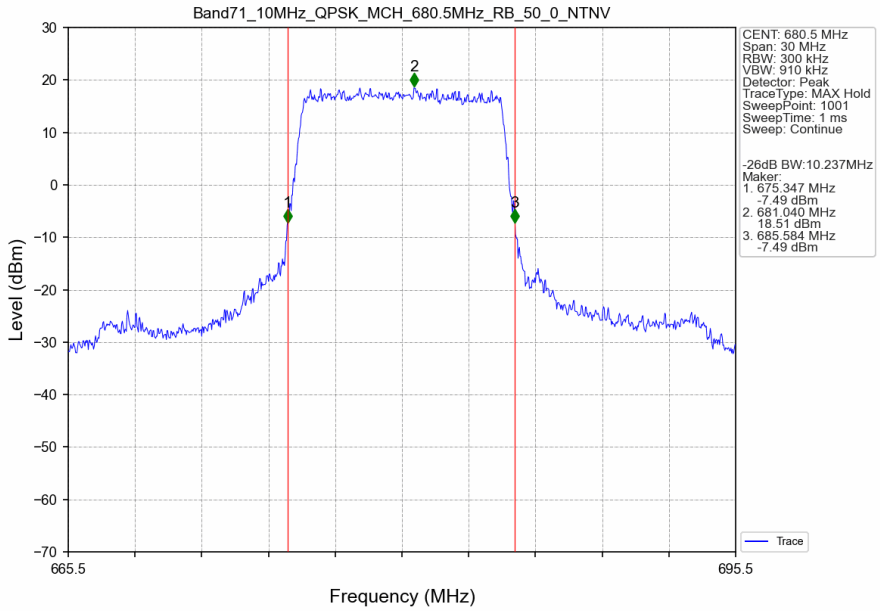


3.2.2 Band71_XDB

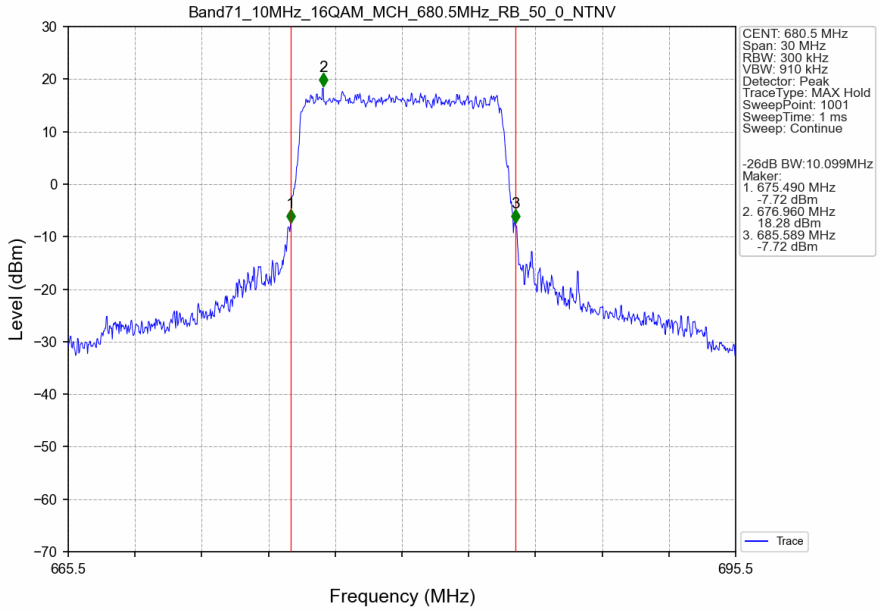
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV


Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV


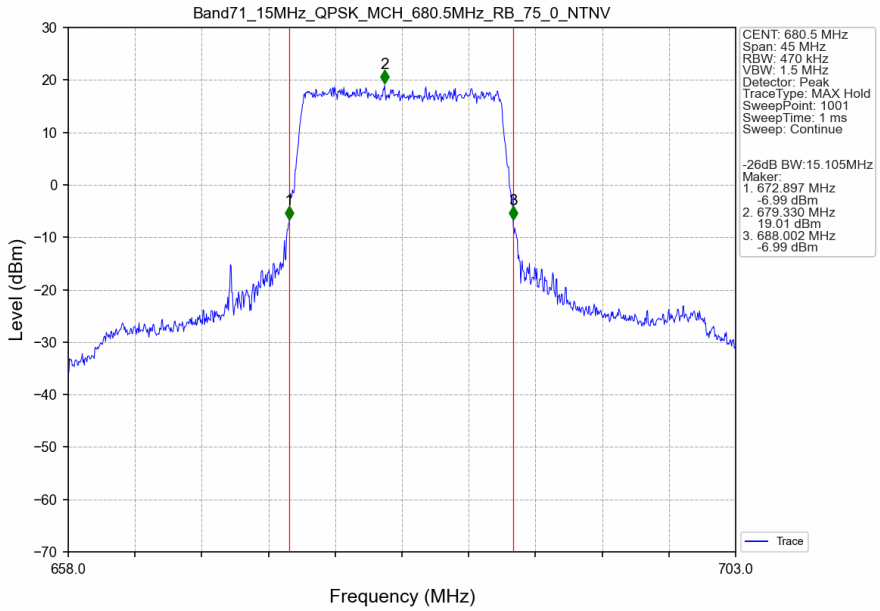
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



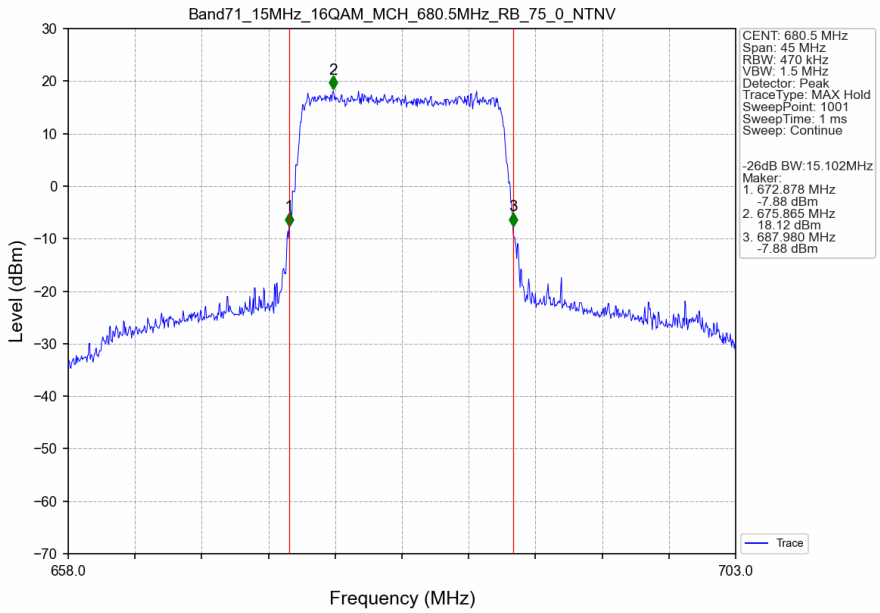
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



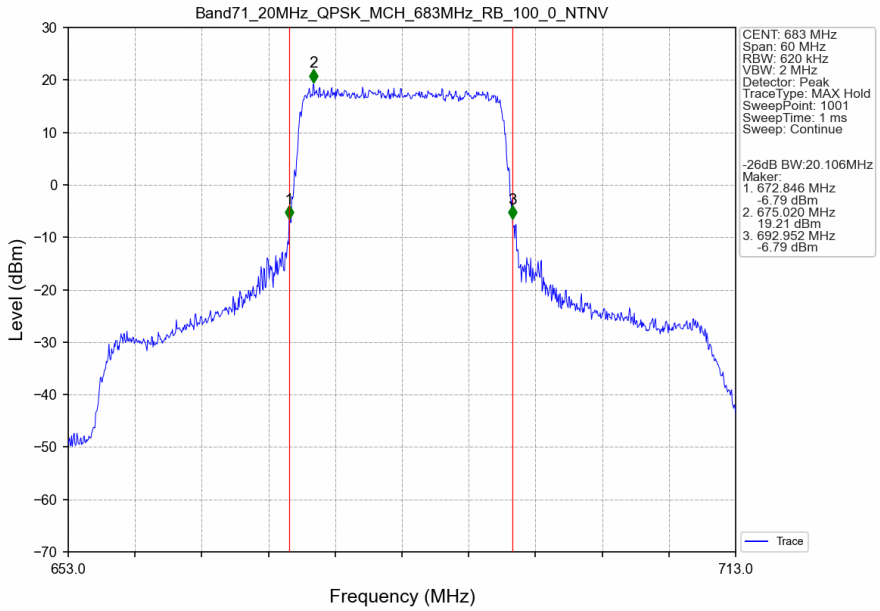
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



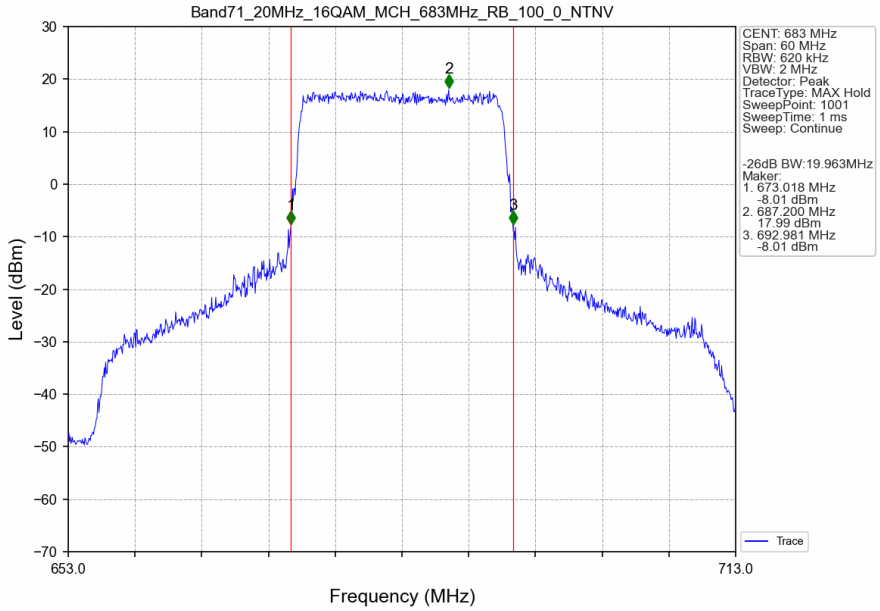
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



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

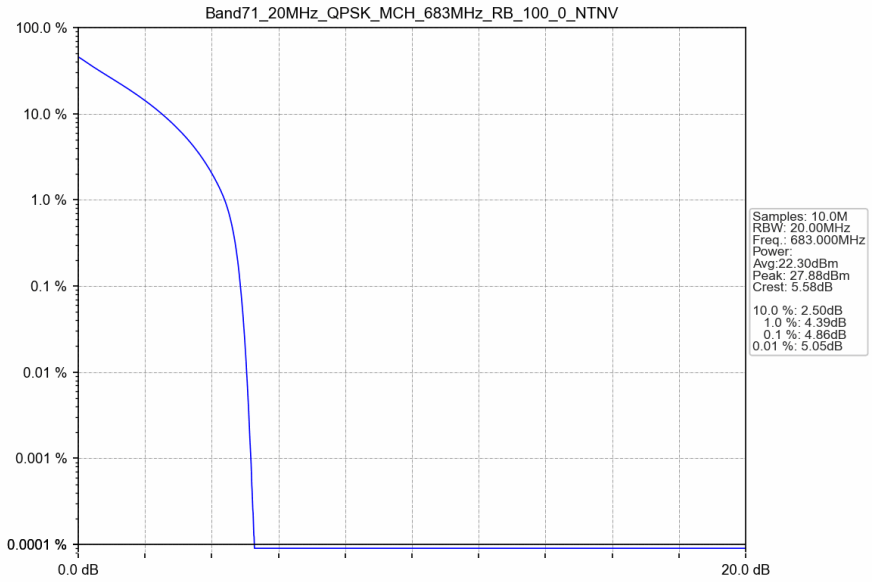
4.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	4.86	<=13	Pass
16QAM	683	100	0	5.91	<=13	Pass
64QAM	683	100	0	5.92	<=13	Pass

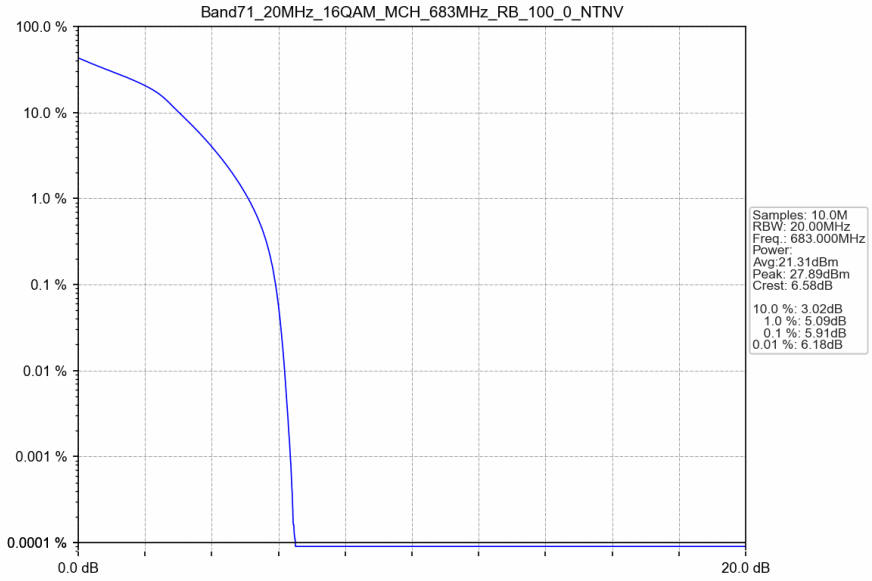
4.2 Test Graph

4.2.1 B71_20MHz

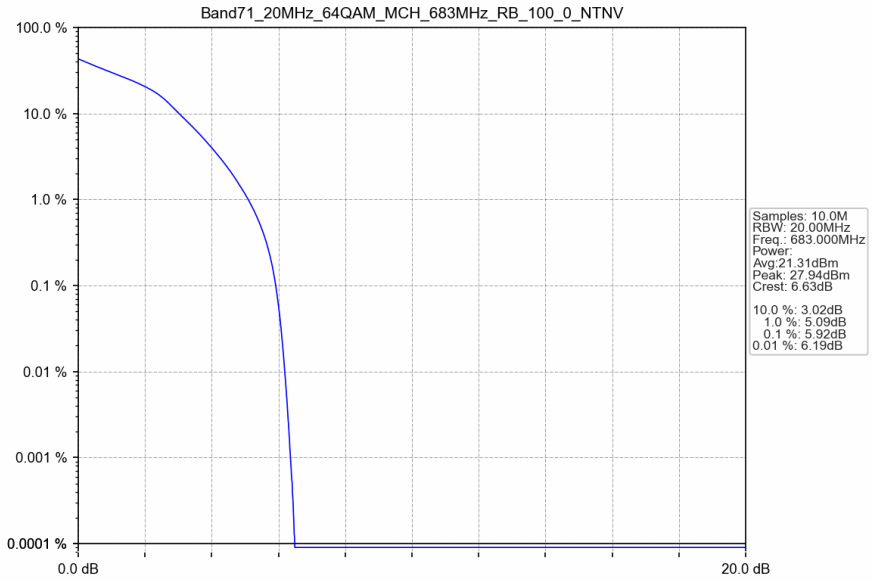
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



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

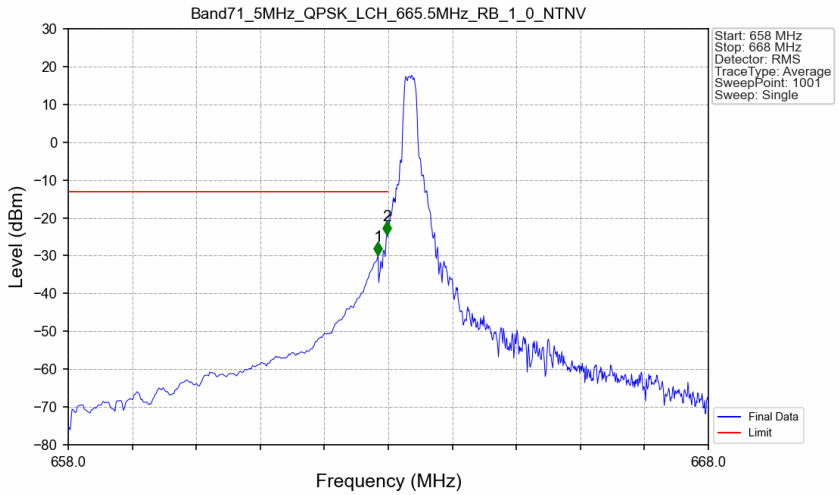
5.1.4 B71_20MHz

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

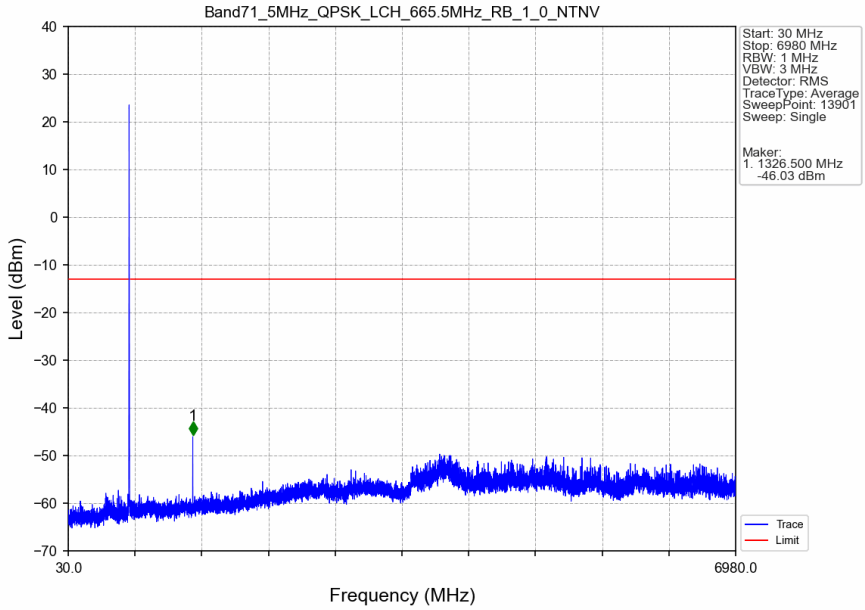
5.2.1 B71_5MHz

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

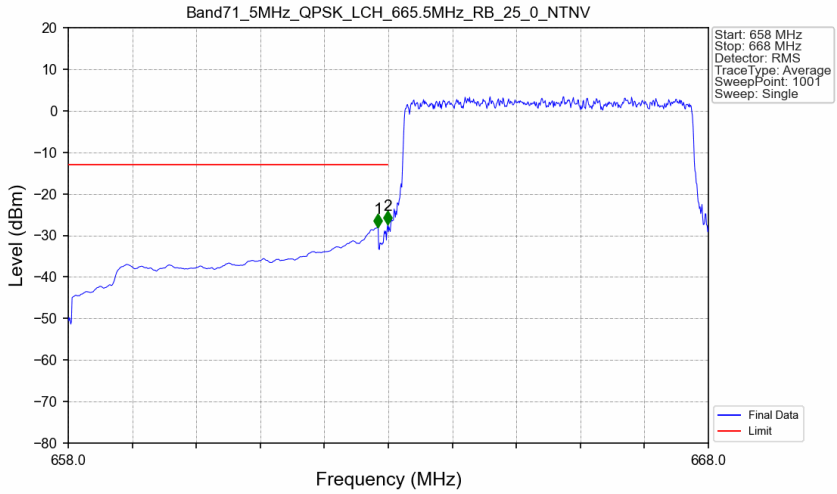


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-29.81	-13	Pass
662.9	663	0.03	/	2	662.980	-24.49	-13	Pass
663	668	0.03	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

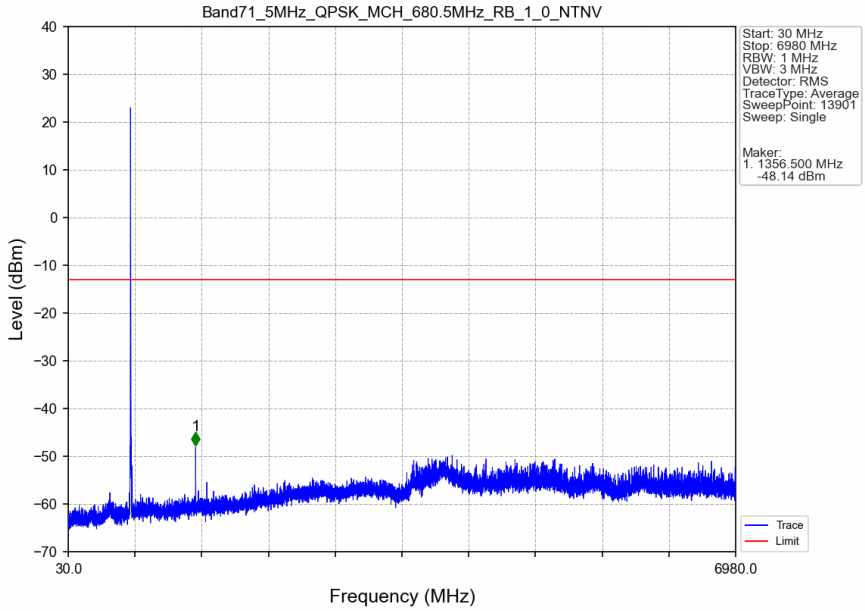


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

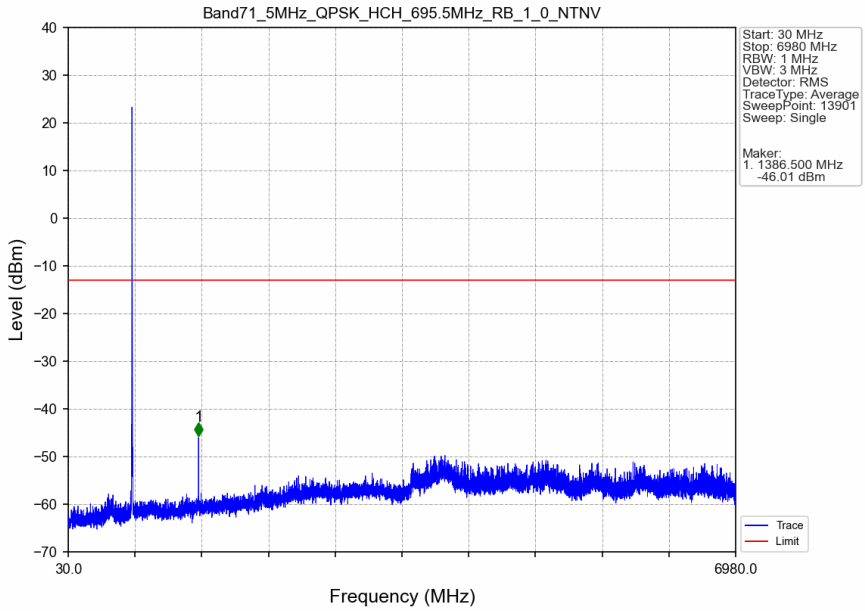


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-28.02	-13	Pass
662.9	663	0.03	/	2	662.990	-27.37	-13	Pass
663	668	0.03	/	/	/	/	/	/

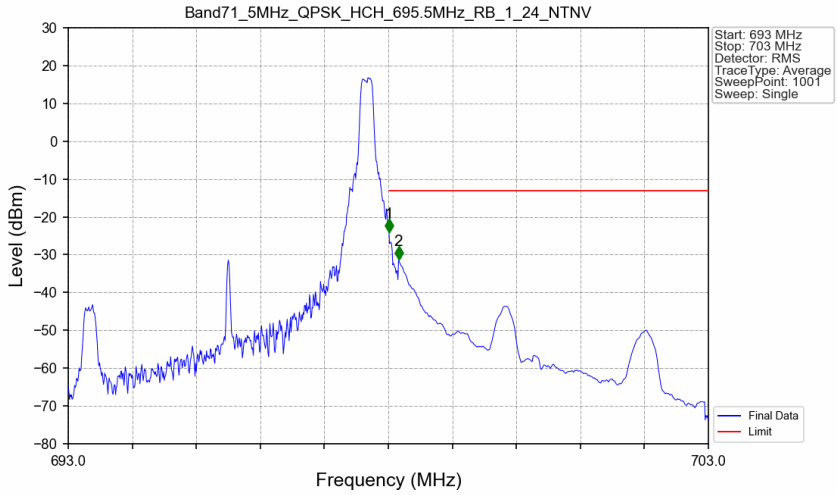
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

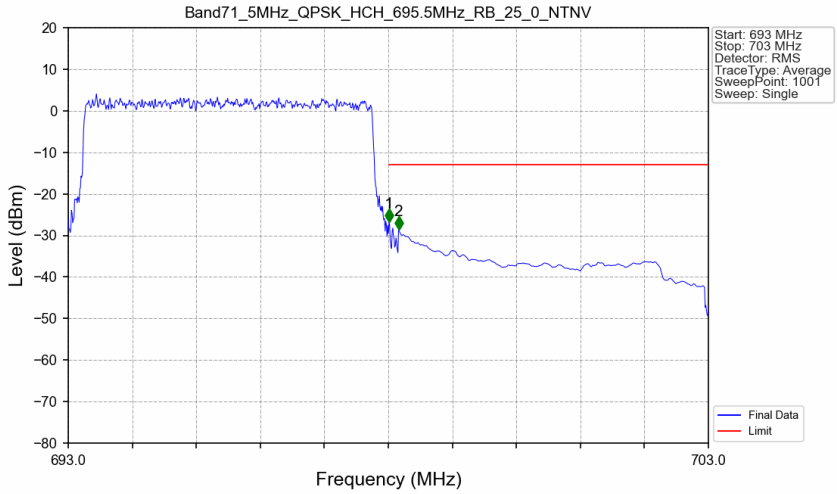


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



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	-24.03	-13	Pass
698.1	703	0.1	CHP	2	698.160	-31.33	-13	Pass

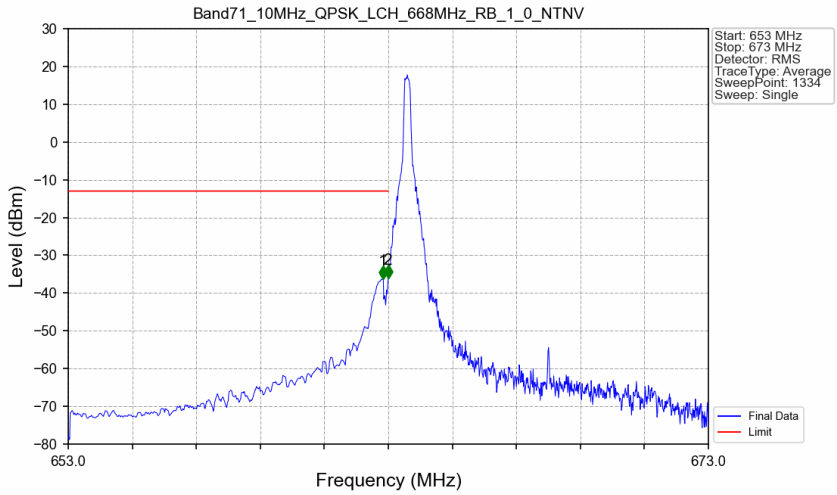
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



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	-26.72	-13	Pass
698.1	703	0.1	CHP	2	698.160	-28.65	-13	Pass

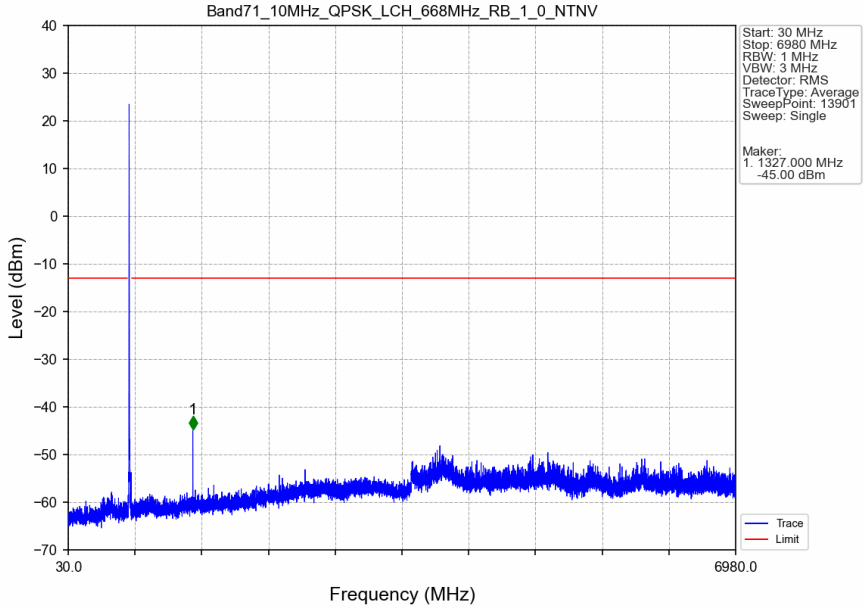
5.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

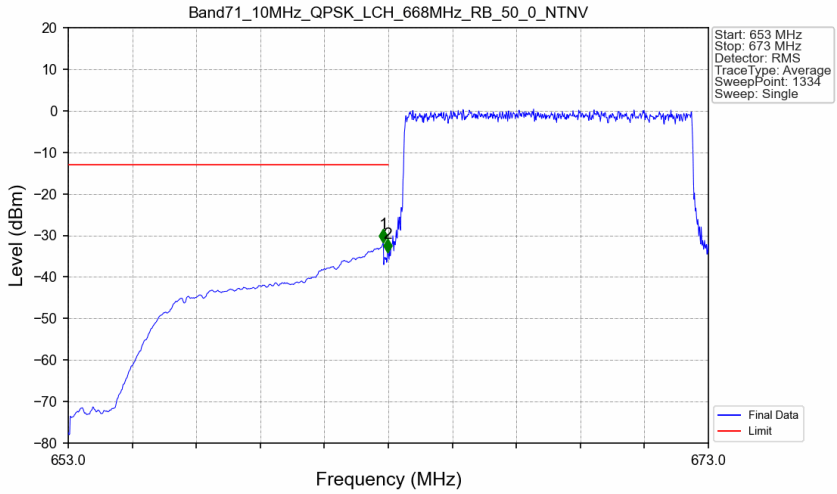


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.827	-36.19	-13	Pass
662.9	663	0.03	/	2	662.992	-36.12	-13	Pass
663	673	0.03	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

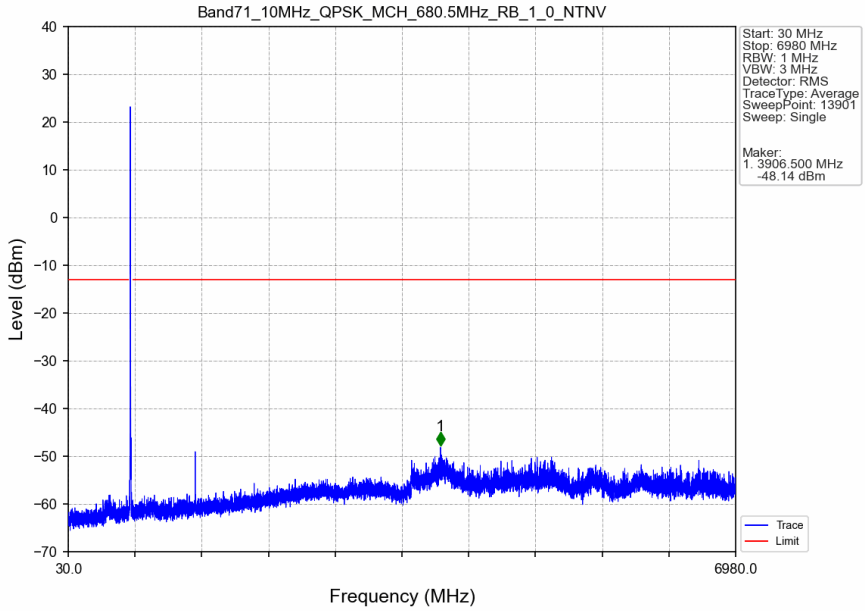


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

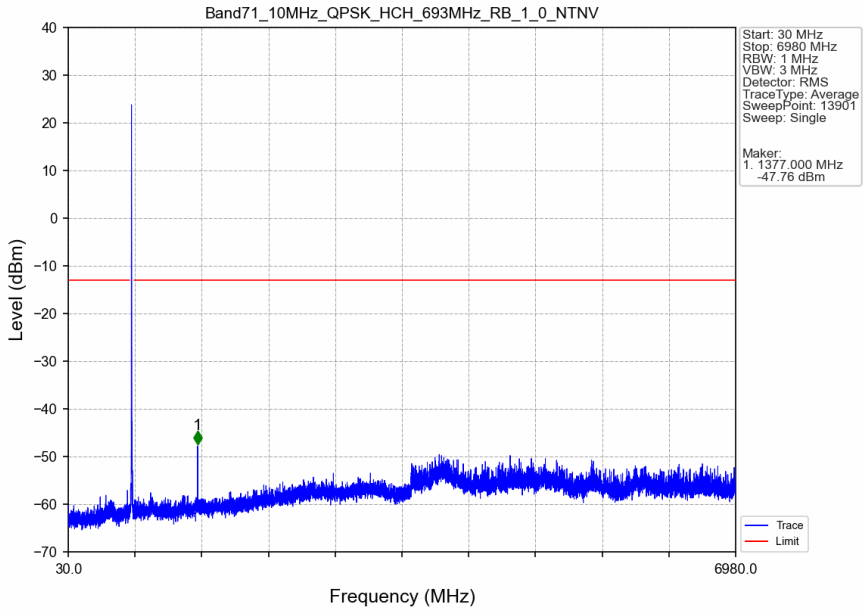


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-31.66	-13	Pass
662.9	663	0.03	/	2	662.977	-33.98	-13	Pass
663	673	0.03	/	/	/	/	/	/

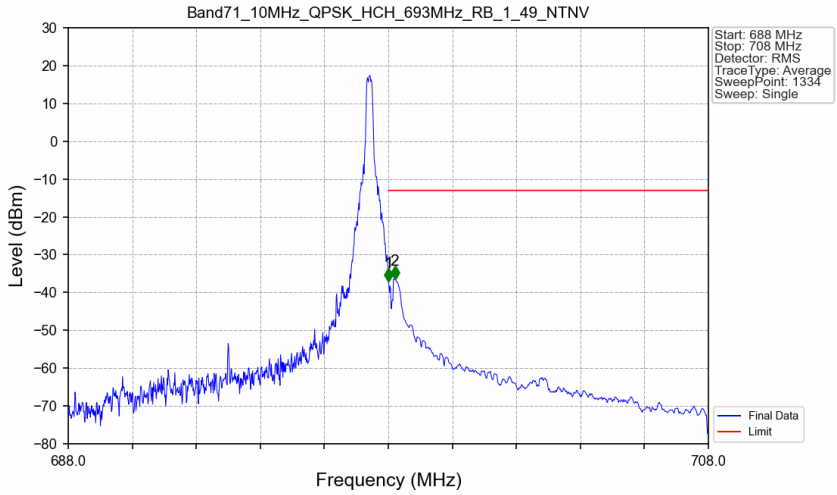
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

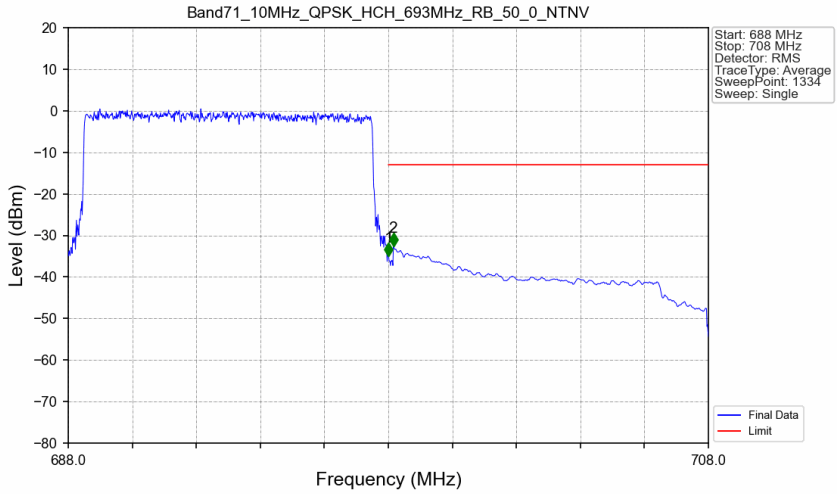


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



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	-37.10	-13	Pass
698.1	708	0.1	CHP	2	698.203	-36.38	-13	Pass

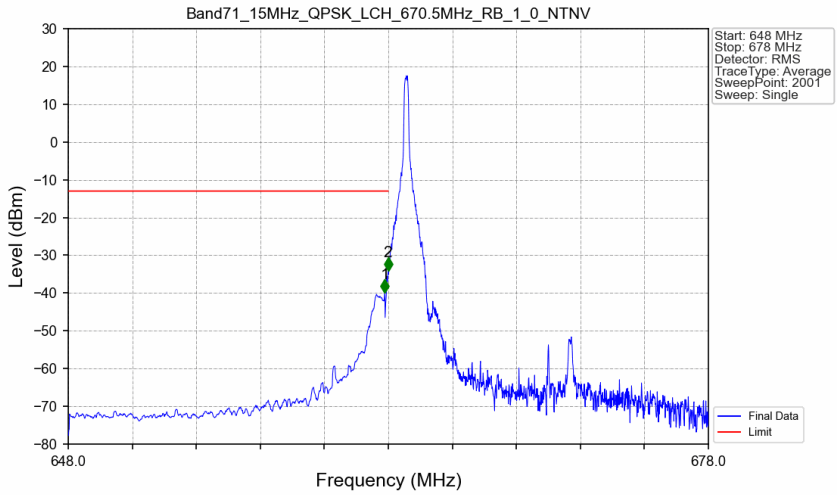
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



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	698.008	-34.87	-13	Pass
698.1	708	0.1	CHP	2	698.158	-32.67	-13	Pass

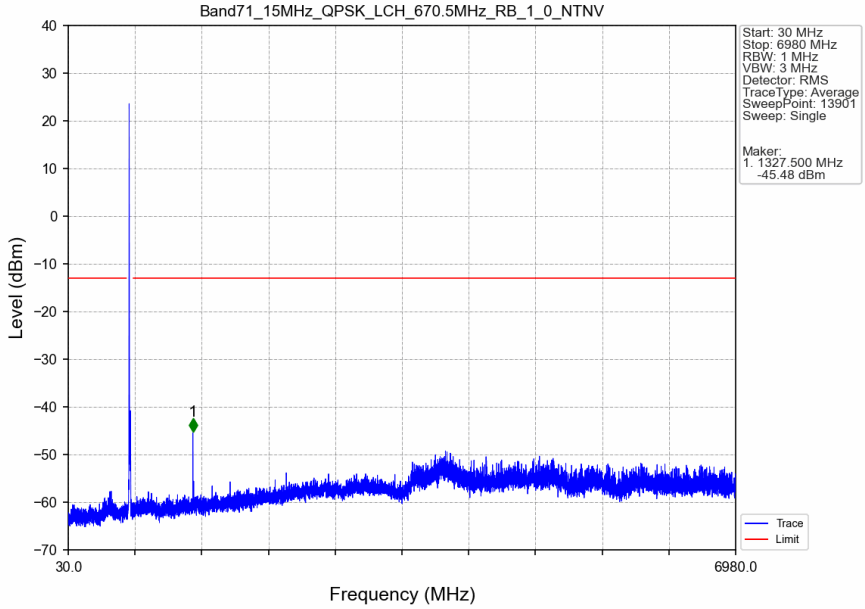
5.2.3 B71_15MHz

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

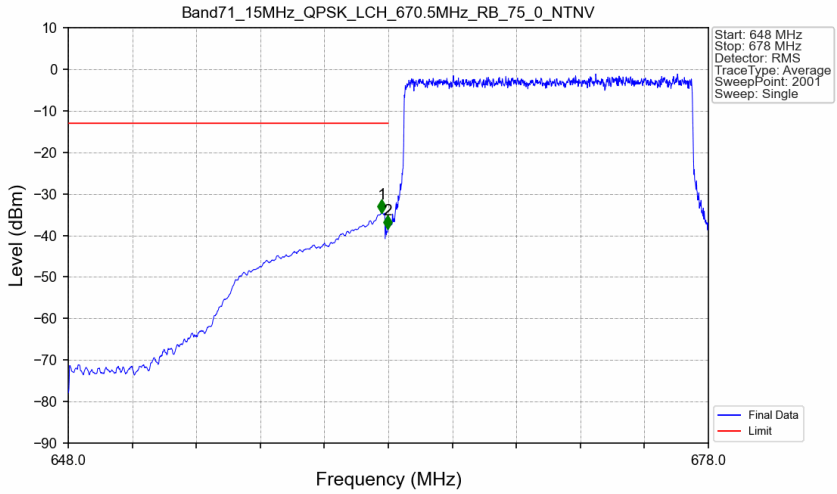


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-39.86	-13	Pass
662.9	663	0.03	/	2	662.985	-34.11	-13	Pass
663	678	0.03	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

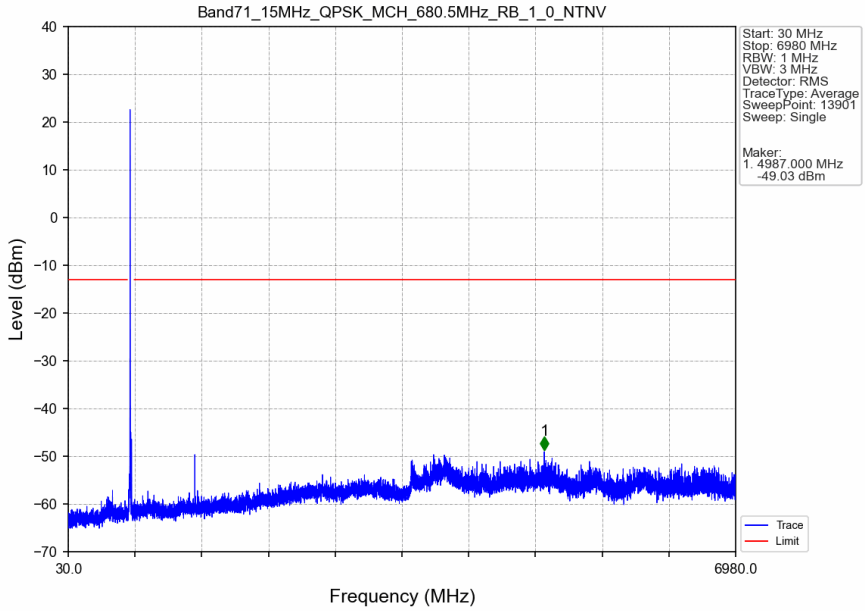


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

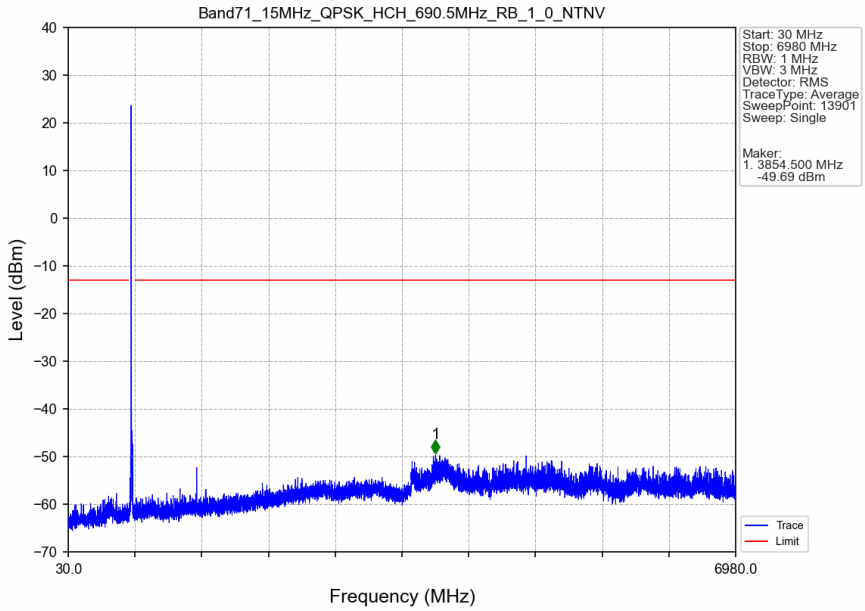


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.685	-34.61	-13	Pass
662.9	663	0.03	/	2	662.970	-38.43	-13	Pass
663	678	0.03	/	/	/	/	/	/

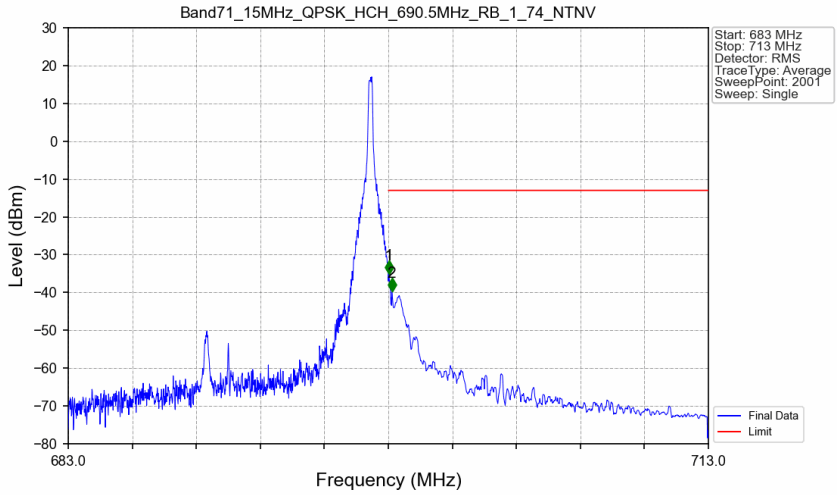
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

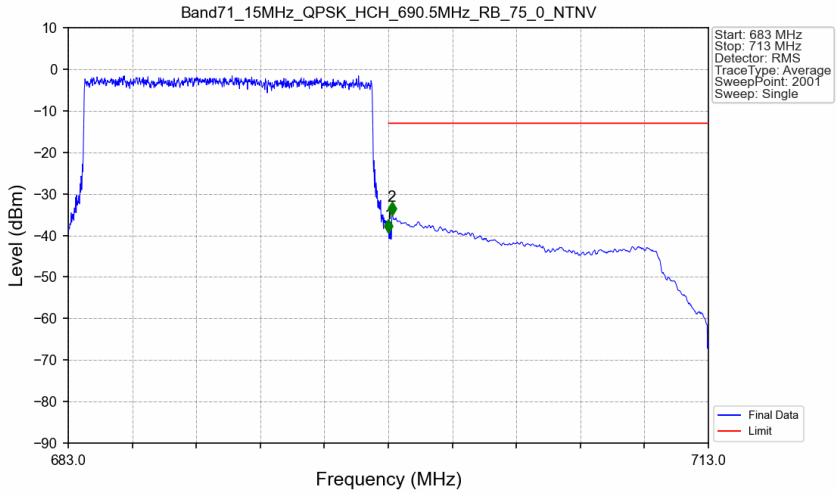


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



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	-35.03	-13	Pass
698.1	713	0.1	CHP	2	698.165	-39.64	-13	Pass

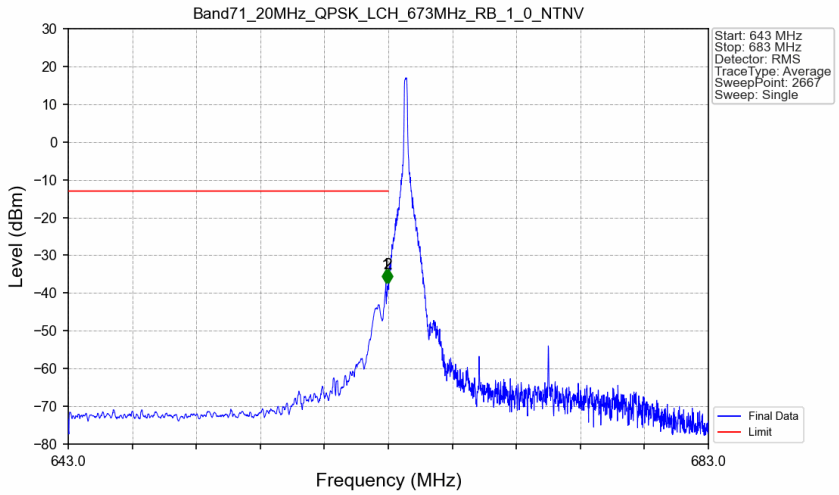
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



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	698.015	-39.38	-13	Pass
698.1	713	0.1	CHP	2	698.165	-35.06	-13	Pass

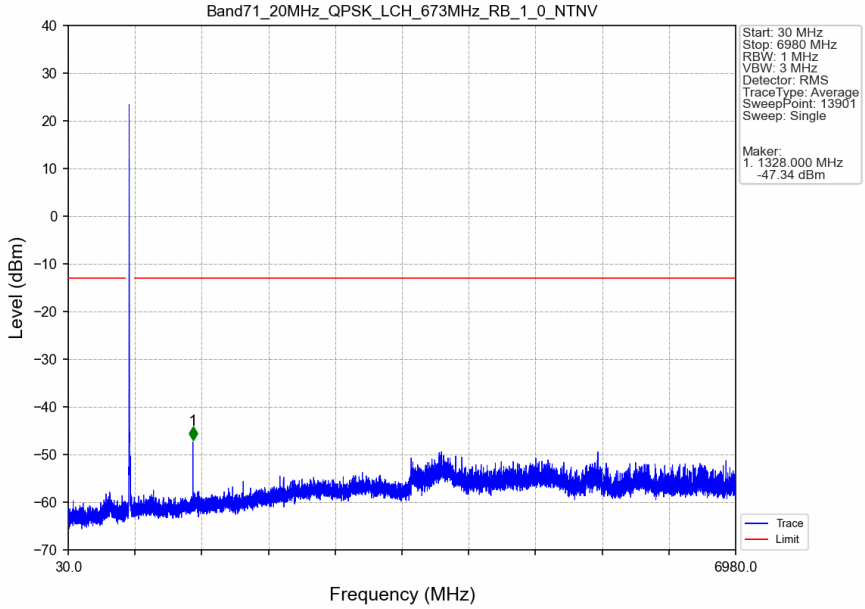
5.2.4 B71_20MHz

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

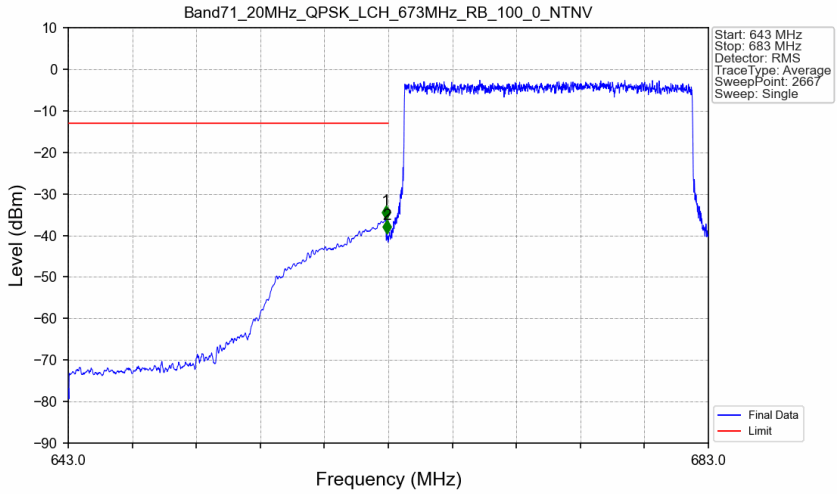


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-37.33	-13	Pass
662.9	663	0.03	/	2	662.985	-37.29	-13	Pass
663	683	0.03	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

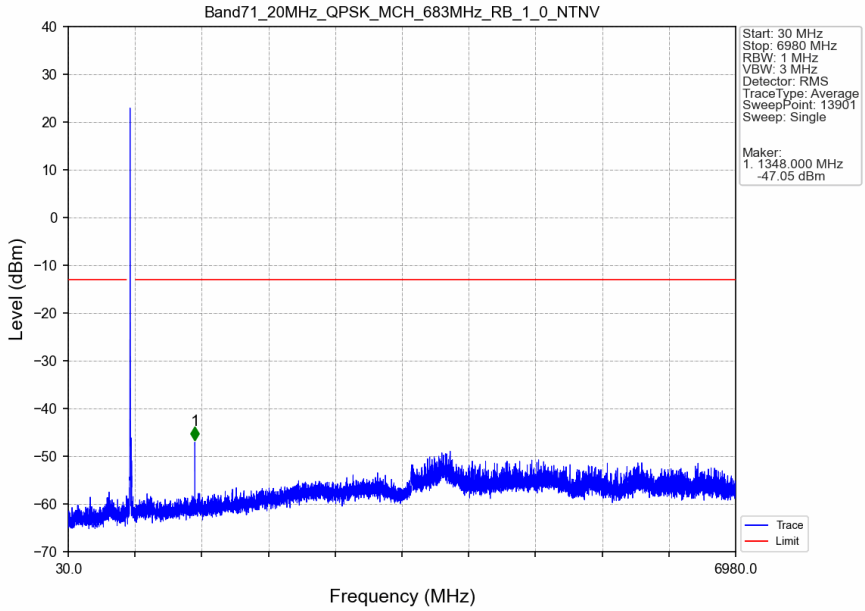


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

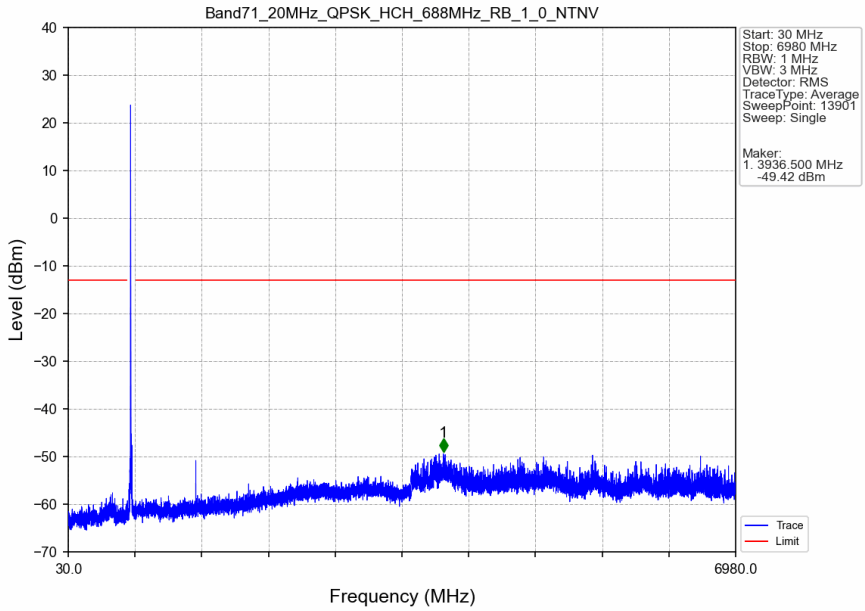


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-35.98	-13	Pass
662.9	663	0.03	/	2	662.925	-39.47	-13	Pass
663	683	0.03	/	/	/	/	/	/

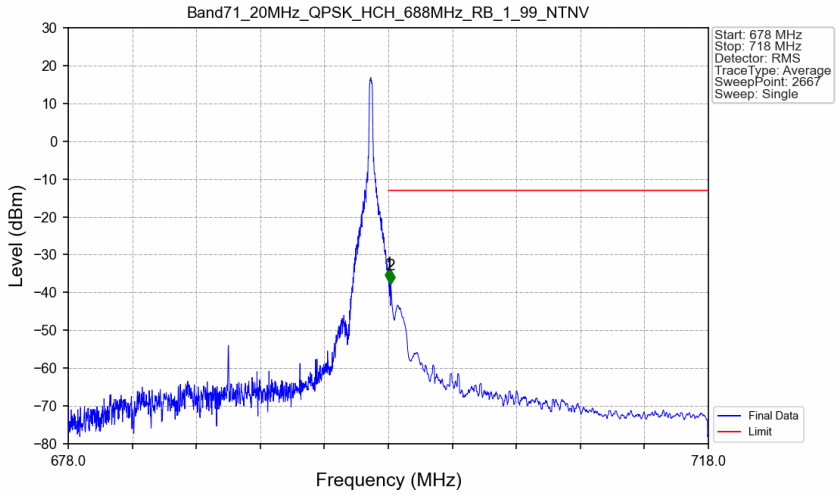
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

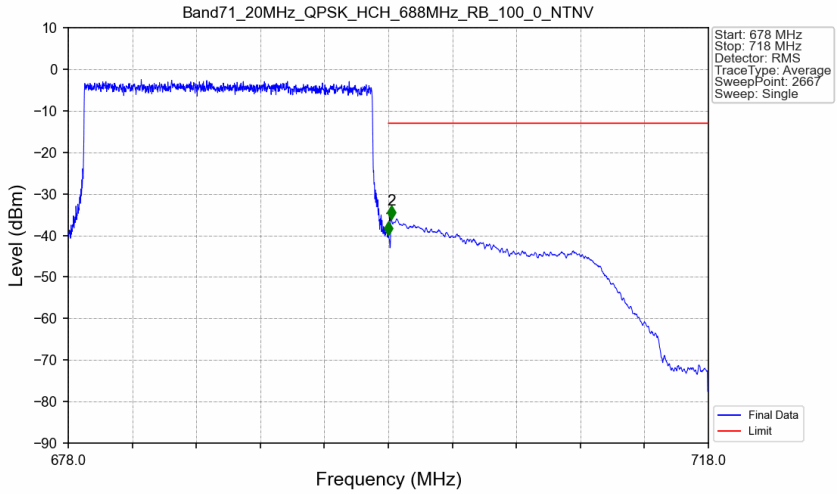


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



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	698.045	-36.99	-13	Pass
698.1	718	0.1	CHP	2	698.150	-37.68	-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	698.015	-39.92	-13	Pass
698.1	718	0.1	CHP	2	698.180	-35.95	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 71 ANT0-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	-62.06	-13	-49.06	-64.45	2.4	4.79	Horizontal	Pass
1992.0	-60.84	-13	-47.84	-62.76	2.72	4.64	Horizontal	Pass
2656.0	-60.2	-13	-47.2	-63.26	3.1	6.16	Horizontal	Pass
1328.0	-68.91	-13	-55.91	-71.3	2.4	4.79	Vertical	Pass
1992.0	-66.37	-13	-53.37	-68.29	2.72	4.64	Vertical	Pass
2656.0	-67.61	-13	-54.61	-70.67	3.1	6.16	Vertical	Pass

LTE Band 71 ANT0-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	-70.13	-13	-57.13	-72.63	2.42	4.92	Horizontal	Pass
2022.0	-56.01	-13	-43.01	-57.94	2.74	4.67	Horizontal	Pass
2696.0	-62.35	-13	-49.35	-65.49	3.11	6.25	Horizontal	Pass
1348.0	-70.59	-13	-57.59	-73.09	2.42	4.92	Vertical	Pass
2022.0	-65.3	-13	-52.3	-67.23	2.74	4.67	Vertical	Pass
2696.0	-68.27	-13	-55.27	-71.41	3.11	6.25	Vertical	Pass

LTE Band 71 ANT0-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	-65.81	-13	-52.81	-68.36	2.43	4.98	Horizontal	Pass
2037.0	-61.22	-13	-48.22	-63.18	2.75	4.71	Horizontal	Pass
2716.0	-66.14	-13	-53.14	-69.33	3.11	6.3	Horizontal	Pass
1358.0	-69.0	-13	-56.0	-71.55	2.43	4.98	Vertical	Pass
2037.0	-66.88	-13	-53.88	-68.84	2.75	4.71	Vertical	Pass
2716.0	-67.26	-13	-54.26	-70.45	3.11	6.3	Vertical	Pass