

**Appendix A.20****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	22.96	-0.66	20.15	<=34.77	Pass
			13	23.03	-0.66	20.22	<=34.77	Pass
			24	22.89	-0.66	20.08	<=34.77	Pass
		12	0	22.21	-0.66	19.40	<=34.77	Pass
			6	22.01	-0.66	19.20	<=34.77	Pass
			13	21.94	-0.66	19.13	<=34.77	Pass
		25	0	21.95	-0.66	19.14	<=34.77	Pass
	680.5	1	0	22.96	-0.66	20.15	<=34.77	Pass
			13	23.05	-0.66	20.24	<=34.77	Pass
			24	22.82	-0.66	20.01	<=34.77	Pass
		12	0	22.12	-0.66	19.31	<=34.77	Pass
			6	21.97	-0.66	19.16	<=34.77	Pass
			13	21.87	-0.66	19.06	<=34.77	Pass
		25	0	22.02	-0.66	19.21	<=34.77	Pass
	695.5	1	0	22.80	-0.66	19.99	<=34.77	Pass
			13	22.98	-0.66	20.17	<=34.77	Pass
			24	23.04	-0.66	20.23	<=34.77	Pass
		12	0	21.90	-0.66	19.09	<=34.77	Pass
			6	21.95	-0.66	19.14	<=34.77	Pass
			13	21.96	-0.66	19.15	<=34.77	Pass
		25	0	21.98	-0.66	19.17	<=34.77	Pass
16QAM	665.5	1	0	21.71	-0.66	18.90	<=34.77	Pass
			13	21.81	-0.66	19.00	<=34.77	Pass
			24	21.51	-0.66	18.70	<=34.77	Pass
		12	0	21.14	-0.66	18.33	<=34.77	Pass
			6	21.18	-0.66	18.37	<=34.77	Pass
			13	20.92	-0.66	18.11	<=34.77	Pass
		25	0	21.04	-0.66	18.23	<=34.77	Pass
	680.5	1	0	21.73	-0.66	18.92	<=34.77	Pass
			13	21.79	-0.66	18.98	<=34.77	Pass
			24	21.49	-0.66	18.68	<=34.77	Pass
		12	0	20.93	-0.66	18.12	<=34.77	Pass
			6	21.00	-0.66	18.19	<=34.77	Pass
			13	20.77	-0.66	17.96	<=34.77	Pass
		25	0	21.06	-0.66	18.25	<=34.77	Pass
	695.5	1	0	21.33	-0.66	18.52	<=34.77	Pass
			13	21.75	-0.66	18.94	<=34.77	Pass
			24	21.38	-0.66	18.57	<=34.77	Pass
		12	0	21.00	-0.66	18.19	<=34.77	Pass
			6	20.93	-0.66	18.12	<=34.77	Pass



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64QAM	665.5	25	13	20.85	-0.66	18.04	<=34.77	Pass
			0	20.88	-0.66	18.07	<=34.77	Pass
			0	21.36	-0.66	18.55	<=34.77	Pass
	680.5	1	13	21.66	-0.66	18.85	<=34.77	Pass
			24	21.13	-0.66	18.32	<=34.77	Pass
			0	20.97	-0.66	18.16	<=34.77	Pass
		12	6	20.82	-0.66	18.01	<=34.77	Pass
			13	20.68	-0.66	17.87	<=34.77	Pass
			0	21.00	-0.66	18.19	<=34.77	Pass
	695.5	1	0	21.33	-0.66	18.52	<=34.77	Pass
			13	21.36	-0.66	18.55	<=34.77	Pass
			24	21.03	-0.66	18.22	<=34.77	Pass
		12	0	20.91	-0.66	18.10	<=34.77	Pass
			6	20.84	-0.66	18.03	<=34.77	Pass
			13	20.63	-0.66	17.82	<=34.77	Pass
		25	0	21.04	-0.66	18.23	<=34.77	Pass
			0	21.41	-0.66	18.60	<=34.77	Pass
			13	21.38	-0.66	18.57	<=34.77	Pass
	695.5	1	24	21.18	-0.66	18.37	<=34.77	Pass
			0	20.79	-0.66	17.98	<=34.77	Pass
			6	20.56	-0.66	17.75	<=34.77	Pass
		12	13	20.66	-0.66	17.85	<=34.77	Pass
			0	21.04	-0.66	18.23	<=34.77	Pass
			0	21.04	-0.66	18.23	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	23.25	-0.66	20.44	<=34.77	Pass
			25	23.23	-0.66	20.42	<=34.77	Pass
			49	22.89	-0.66	20.08	<=34.77	Pass
		25	0	21.95	-0.66	19.14	<=34.77	Pass
			13	21.92	-0.66	19.11	<=34.77	Pass
			25	21.84	-0.66	19.03	<=34.77	Pass
		50	0	22.05	-0.66	19.24	<=34.77	Pass
	680.5	1	0	22.91	-0.66	20.10	<=34.77	Pass
			25	23.26	-0.66	20.45	<=34.77	Pass
			49	22.91	-0.66	20.10	<=34.77	Pass
		25	0	22.02	-0.66	19.21	<=34.77	Pass
			13	21.97	-0.66	19.16	<=34.77	Pass
			25	21.86	-0.66	19.05	<=34.77	Pass
		50	0	22.01	-0.66	19.20	<=34.77	Pass
	693	1	0	23.02	-0.66	20.21	<=34.77	Pass
			25	23.31	-0.66	20.50	<=34.77	Pass
			49	23.15	-0.66	20.34	<=34.77	Pass
		25	0	21.95	-0.66	19.14	<=34.77	Pass
			13	21.94	-0.66	19.13	<=34.77	Pass
			25	21.93	-0.66	19.12	<=34.77	Pass
		50	0	21.94	-0.66	19.13	<=34.77	Pass



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16QAM	668	1	0	21.92	-0.66	19.11	<=34.77	Pass
			25	22.00	-0.66	19.19	<=34.77	Pass
			49	21.30	-0.66	18.49	<=34.77	Pass
		25	0	21.21	-0.66	18.40	<=34.77	Pass
			13	21.05	-0.66	18.24	<=34.77	Pass
			25	20.93	-0.66	18.12	<=34.77	Pass
		50	0	21.10	-0.66	18.29	<=34.77	Pass
	680.5	1	0	21.56	-0.66	18.75	<=34.77	Pass
			25	21.95	-0.66	19.14	<=34.77	Pass
			49	21.58	-0.66	18.77	<=34.77	Pass
		25	0	21.01	-0.66	18.20	<=34.77	Pass
			13	20.96	-0.66	18.15	<=34.77	Pass
			25	20.81	-0.66	18.00	<=34.77	Pass
		50	0	21.02	-0.66	18.21	<=34.77	Pass
	693	1	0	21.39	-0.66	18.58	<=34.77	Pass
			25	21.64	-0.66	18.83	<=34.77	Pass
			49	21.58	-0.66	18.77	<=34.77	Pass
		25	0	20.92	-0.66	18.11	<=34.77	Pass
			13	20.91	-0.66	18.10	<=34.77	Pass
			25	20.84	-0.66	18.03	<=34.77	Pass
		50	0	20.63	-0.66	17.82	<=34.77	Pass
64QAM	668	1	0	21.78	-0.66	18.97	<=34.77	Pass
			25	21.59	-0.66	18.78	<=34.77	Pass
			49	20.99	-0.66	18.18	<=34.77	Pass
		25	0	21.13	-0.66	18.32	<=34.77	Pass
			13	21.07	-0.66	18.26	<=34.77	Pass
			25	20.94	-0.66	18.13	<=34.77	Pass
		50	0	21.12	-0.66	18.31	<=34.77	Pass
	680.5	1	0	21.37	-0.66	18.56	<=34.77	Pass
			25	22.02	-0.66	19.21	<=34.77	Pass
			49	21.20	-0.66	18.39	<=34.77	Pass
		25	0	21.03	-0.66	18.22	<=34.77	Pass
			13	20.93	-0.66	18.12	<=34.77	Pass
			25	20.85	-0.66	18.04	<=34.77	Pass
		50	0	20.97	-0.66	18.16	<=34.77	Pass
	693	1	0	21.28	-0.66	18.47	<=34.77	Pass
			25	21.84	-0.66	19.03	<=34.77	Pass
			49	21.18	-0.66	18.37	<=34.77	Pass
		25	0	20.91	-0.66	18.10	<=34.77	Pass
			13	20.95	-0.66	18.14	<=34.77	Pass
			25	20.94	-0.66	18.13	<=34.77	Pass
		50	0	20.88	-0.66	18.07	<=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	23.05	-0.66	20.24	<=34.77	Pass
			38	22.88	-0.66	20.07	<=34.77	Pass

	680.5	36	74	23.08	-0.66	20.27	<=34.77	Pass
			0	21.99	-0.66	19.18	<=34.77	Pass
			18	21.95	-0.66	19.14	<=34.77	Pass
			39	21.86	-0.66	19.05	<=34.77	Pass
		75	0	21.98	-0.66	19.17	<=34.77	Pass
			0	22.68	-0.66	19.87	<=34.77	Pass
			38	23.23	-0.66	20.42	<=34.77	Pass
			74	22.79	-0.66	19.98	<=34.77	Pass
		36	0	21.99	-0.66	19.18	<=34.77	Pass
			18	21.96	-0.66	19.15	<=34.77	Pass
			39	21.83	-0.66	19.02	<=34.77	Pass
			75	21.90	-0.66	19.09	<=34.77	Pass
	690.5	1	0	22.99	-0.66	20.18	<=34.77	Pass
			38	23.13	-0.66	20.32	<=34.77	Pass
			74	23.19	-0.66	20.38	<=34.77	Pass
			0	21.96	-0.66	19.15	<=34.77	Pass
		36	18	22.01	-0.66	19.20	<=34.77	Pass
			39	21.87	-0.66	19.06	<=34.77	Pass
			75	21.86	-0.66	19.05	<=34.77	Pass
		75	0	21.66	-0.66	18.85	<=34.77	Pass
			38	21.45	-0.66	18.64	<=34.77	Pass
			74	21.64	-0.66	18.83	<=34.77	Pass
			0	21.02	-0.66	18.21	<=34.77	Pass
16QAM	670.5	1	18	20.84	-0.66	18.03	<=34.77	Pass
			39	20.78	-0.66	17.97	<=34.77	Pass
			75	20.96	-0.66	18.15	<=34.77	Pass
			0	20.96	-0.66	18.15	<=34.77	Pass
		36	0	21.53	-0.66	18.72	<=34.77	Pass
			38	21.78	-0.66	18.97	<=34.77	Pass
			74	21.38	-0.66	18.57	<=34.77	Pass
			0	20.95	-0.66	18.14	<=34.77	Pass
		75	18	20.97	-0.66	18.16	<=34.77	Pass
			39	20.82	-0.66	18.01	<=34.77	Pass
			75	20.98	-0.66	18.17	<=34.77	Pass
			0	20.98	-0.66	18.17	<=34.77	Pass
	680.5	1	0	21.54	-0.66	18.73	<=34.77	Pass
			38	21.81	-0.66	19.00	<=34.77	Pass
			74	21.56	-0.66	18.75	<=34.77	Pass
			0	20.88	-0.66	18.07	<=34.77	Pass
		36	18	20.89	-0.66	18.08	<=34.77	Pass
			39	20.76	-0.66	17.95	<=34.77	Pass
			75	20.75	-0.66	17.94	<=34.77	Pass
			0	20.75	-0.66	17.94	<=34.77	Pass
		75	0	21.66	-0.66	18.85	<=34.77	Pass
			38	21.64	-0.66	18.83	<=34.77	Pass
			74	21.57	-0.66	18.76	<=34.77	Pass
			0	21.06	-0.66	18.25	<=34.77	Pass
64QAM	670.5	1	18	20.80	-0.66	17.99	<=34.77	Pass
			39	20.78	-0.66	17.97	<=34.77	Pass
			75	20.88	-0.66	18.07	<=34.77	Pass
			0	20.88	-0.66	18.07	<=34.77	Pass
		36	0	21.21	-0.66	18.40	<=34.77	Pass
			38	21.73	-0.66	18.92	<=34.77	Pass
			74	21.24	-0.66	18.43	<=34.77	Pass
			0	21.06	-0.66	18.25	<=34.77	Pass
		75	18	21.13	-0.66	18.32	<=34.77	Pass
			39	21.90	-0.66	18.09	<=34.77	Pass
			75	21.90	-0.66	18.09	<=34.77	Pass
			0	21.90	-0.66	18.09	<=34.77	Pass
	680.5	1	0	21.66	-0.66	18.85	<=34.77	Pass
			38	21.64	-0.66	18.83	<=34.77	Pass
			74	21.57	-0.66	18.76	<=34.77	Pass
			0	21.06	-0.66	18.25	<=34.77	Pass
		36	18	20.80	-0.66	17.99	<=34.77	Pass
			39	20.78	-0.66	17.97	<=34.77	Pass
			75	20.88	-0.66	18.07	<=34.77	Pass
			0	20.88	-0.66	18.07	<=34.77	Pass
		75	0	21.21	-0.66	18.40	<=34.77	Pass
			38	21.73	-0.66	18.92	<=34.77	Pass
			74	21.24	-0.66	18.43	<=34.77	Pass
			0	21.06	-0.66	18.25	<=34.77	Pass



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	690.5	75	0	21.04	-0.66	18.23	<=34.77	Pass
		1	0	21.43	-0.66	18.62	<=34.77	Pass
			38	21.56	-0.66	18.75	<=34.77	Pass
			74	21.25	-0.66	18.44	<=34.77	Pass
			0	20.99	-0.66	18.18	<=34.77	Pass
		36	18	20.98	-0.66	18.17	<=34.77	Pass
			39	20.97	-0.66	18.16	<=34.77	Pass
			75	20.88	-0.66	18.07	<=34.77	Pass
		75	0	20.88	-0.66	18.07	<=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	22.99	-0.66	20.18	<=34.77	Pass
			50	23.14	-0.66	20.33	<=34.77	Pass
			99	22.81	-0.66	20.00	<=34.77	Pass
		50	0	22.08	-0.66	19.27	<=34.77	Pass
			25	22.01	-0.66	19.20	<=34.77	Pass
			50	21.91	-0.66	19.10	<=34.77	Pass
		100	0	21.99	-0.66	19.18	<=34.77	Pass
	683	1	0	22.79	-0.66	19.98	<=34.77	Pass
			50	23.48	-0.66	20.67	<=34.77	Pass
			99	23.36	-0.66	20.55	<=34.77	Pass
		50	0	21.99	-0.66	19.18	<=34.77	Pass
			25	21.91	-0.66	19.10	<=34.77	Pass
			50	21.78	-0.66	18.97	<=34.77	Pass
		100	0	21.88	-0.66	19.07	<=34.77	Pass
	688	1	0	23.07	-0.66	20.26	<=34.77	Pass
			50	23.14	-0.66	20.33	<=34.77	Pass
			99	22.94	-0.66	20.13	<=34.77	Pass
		50	0	21.96	-0.66	19.15	<=34.77	Pass
			25	21.98	-0.66	19.17	<=34.77	Pass
			50	21.93	-0.66	19.12	<=34.77	Pass
		100	0	21.87	-0.66	19.06	<=34.77	Pass
16QAM	673	1	0	21.81	-0.66	19.00	<=34.77	Pass
			50	21.76	-0.66	18.95	<=34.77	Pass
			99	21.30	-0.66	18.49	<=34.77	Pass
		50	0	21.05	-0.66	18.24	<=34.77	Pass
			25	20.97	-0.66	18.16	<=34.77	Pass
			50	20.98	-0.66	18.17	<=34.77	Pass
		100	0	20.84	-0.66	18.03	<=34.77	Pass
	683	1	0	21.42	-0.66	18.61	<=34.77	Pass
			50	21.86	-0.66	19.05	<=34.77	Pass
			99	21.51	-0.66	18.70	<=34.77	Pass
		50	0	20.98	-0.66	18.17	<=34.77	Pass
			25	20.93	-0.66	18.12	<=34.77	Pass
			50	20.78	-0.66	17.97	<=34.77	Pass
		100	0	20.90	-0.66	18.09	<=34.77	Pass
	688	1	0	21.51	-0.66	18.70	<=34.77	Pass



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			50	21.99	-0.66	19.18	<=34.77	Pass	
			99	21.42	-0.66	18.61	<=34.77	Pass	
			50	0	20.87	-0.66	18.06	<=34.77	Pass
		25		20.98	-0.66	18.17	<=34.77	Pass	
		50		20.92	-0.66	18.11	<=34.77	Pass	
		100	0	20.78	-0.66	17.97	<=34.77	Pass	
			673	1	0	21.49	-0.66	18.68	<=34.77
		50			21.70	-0.66	18.89	<=34.77	Pass
		99			21.13	-0.66	18.32	<=34.77	Pass
50	0	21.13		-0.66	18.32	<=34.77	Pass		
	25	21.07		-0.66	18.26	<=34.77	Pass		
	50	20.87		-0.66	18.06	<=34.77	Pass		
100	0	20.82	-0.66	18.01	<=34.77	Pass			
64QAM	683	1	0	20.88	-0.66	18.07	<=34.77	Pass	
			50	21.90	-0.66	19.09	<=34.77	Pass	
			99	21.71	-0.66	18.90	<=34.77	Pass	
		50	0	21.02	-0.66	18.21	<=34.77	Pass	
			25	20.87	-0.66	18.06	<=34.77	Pass	
			50	20.84	-0.66	18.03	<=34.77	Pass	
		100	0	20.91	-0.66	18.10	<=34.77	Pass	
		688	1	0	21.56	-0.66	18.75	<=34.77	Pass
				50	21.86	-0.66	19.05	<=34.77	Pass
	99			21.25	-0.66	18.44	<=34.77	Pass	
	50		0	20.97	-0.66	18.16	<=34.77	Pass	
			25	21.01	-0.66	18.20	<=34.77	Pass	
			50	20.97	-0.66	18.16	<=34.77	Pass	
	100		0	20.84	-0.66	18.03	<=34.77	Pass	
	Note1: ERP=Conducted Power+Antenna Gain-2.15								

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	8.8	-0.100	-0.0001	-2.5 to 2.5	Pass
					7.7	-0.200	-0.0003	-2.5 to 2.5	Pass
					6.6	0.100	0.0001	-2.5 to 2.5	Pass
				-30	7.7	-2.600	-0.0038	-2.5 to 2.5	Pass
				-20	7.7	-0.200	-0.0003	-2.5 to 2.5	Pass
				-10	7.7	-1.300	-0.0019	-2.5 to 2.5	Pass
				0	7.7	0.500	0.0007	-2.5 to 2.5	Pass
				10	7.7	2.000	0.0029	-2.5 to 2.5	Pass
				30	7.7	1.300	0.0019	-2.5 to 2.5	Pass
				40	7.7	-0.400	-0.0006	-2.5 to 2.5	Pass
				50	7.7	-1.400	-0.0021	-2.5 to 2.5	Pass



3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band71_OBW

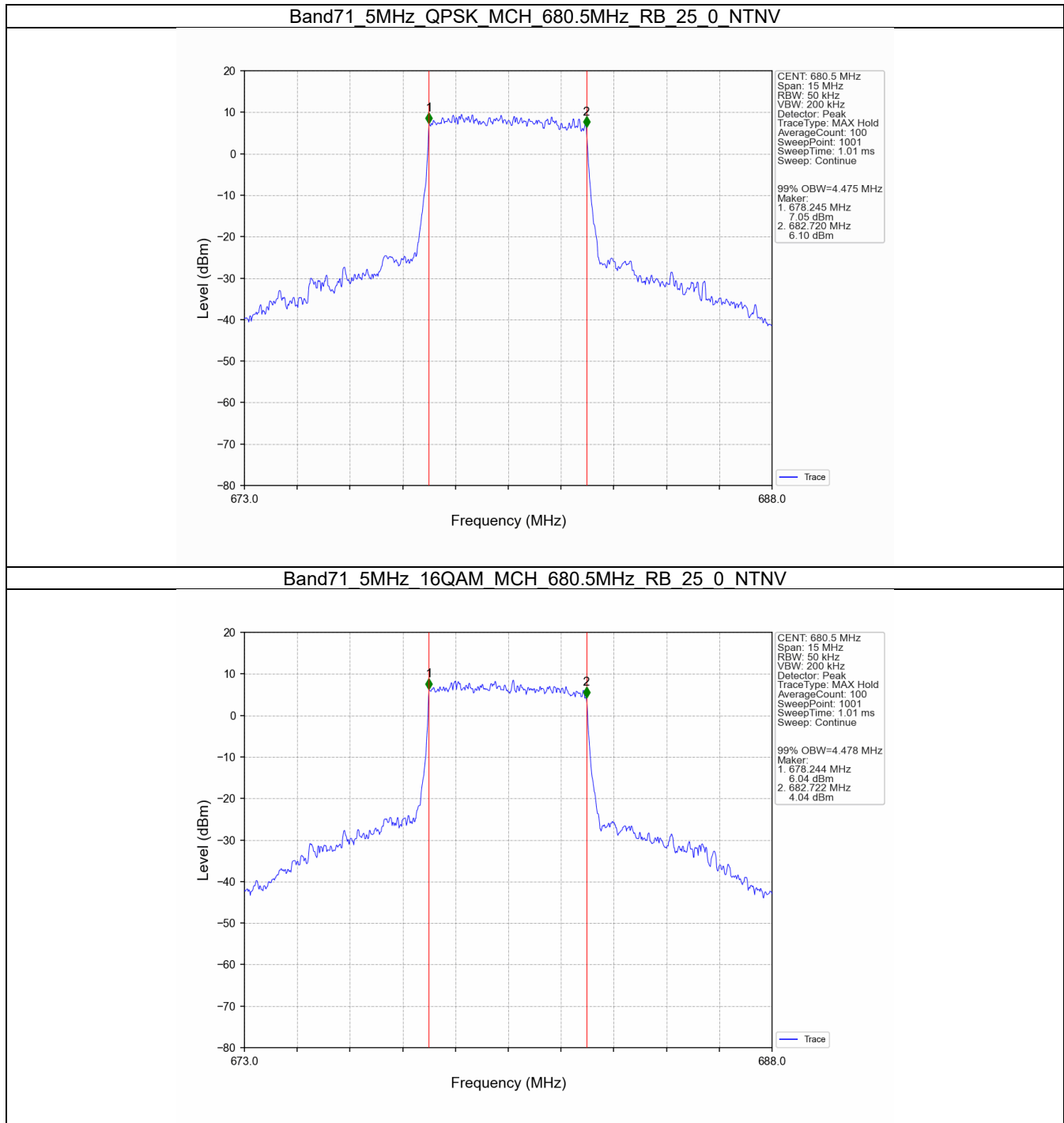
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	4.475	/	Pass
	16QAM	680.5	25	0	4.478	/	Pass
	64QAM	680.5	25	0	4.478	/	Pass
10	QPSK	680.5	50	0	8.942	/	Pass
	16QAM	680.5	50	0	8.919	/	Pass
	64QAM	680.5	50	0	8.951	/	Pass
15	QPSK	680.5	75	0	13.408	/	Pass
	16QAM	680.5	75	0	13.384	/	Pass
	64QAM	680.5	75	0	13.377	/	Pass
20	QPSK	683	100	0	17.847	/	Pass
	16QAM	683	100	0	17.878	/	Pass
	64QAM	683	100	0	17.852	/	Pass

3.1.2 Band71_XDB

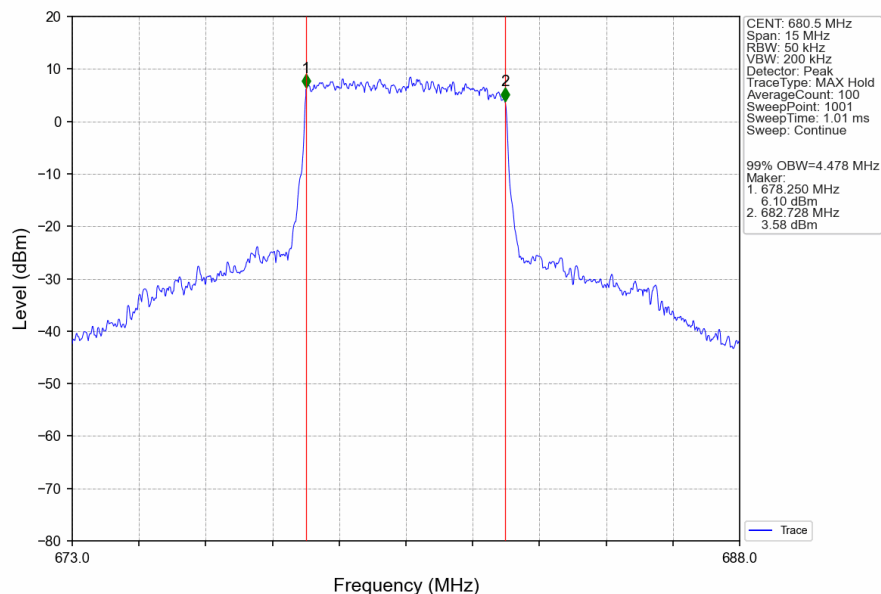
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	4.908	/	Pass
	16QAM	680.5	25	0	4.895	/	Pass
	64QAM	680.5	25	0	4.869	/	Pass
10	QPSK	680.5	50	0	9.629	/	Pass
	16QAM	680.5	50	0	9.590	/	Pass
	64QAM	680.5	50	0	9.714	/	Pass
15	QPSK	680.5	75	0	14.504	/	Pass
	16QAM	680.5	75	0	14.409	/	Pass
	64QAM	680.5	75	0	14.403	/	Pass
20	QPSK	683	100	0	19.034	/	Pass
	16QAM	683	100	0	19.103	/	Pass
	64QAM	683	100	0	19.116	/	Pass

3.2 Test Graph

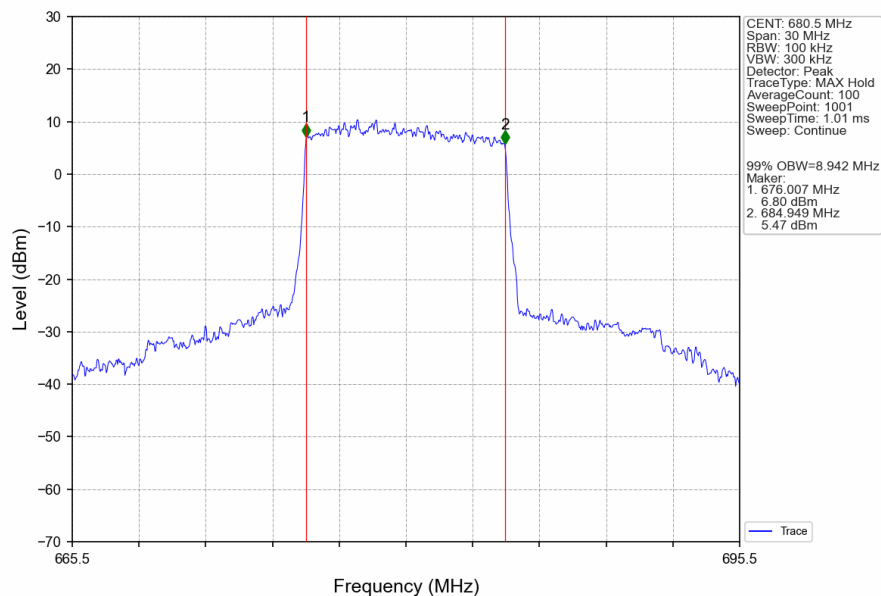
3.2.1 Band71_OBW



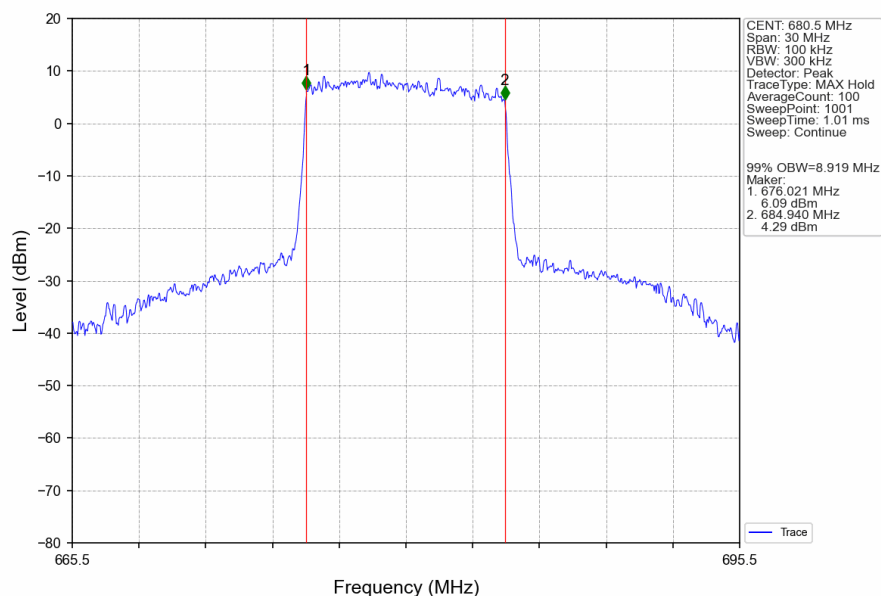
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



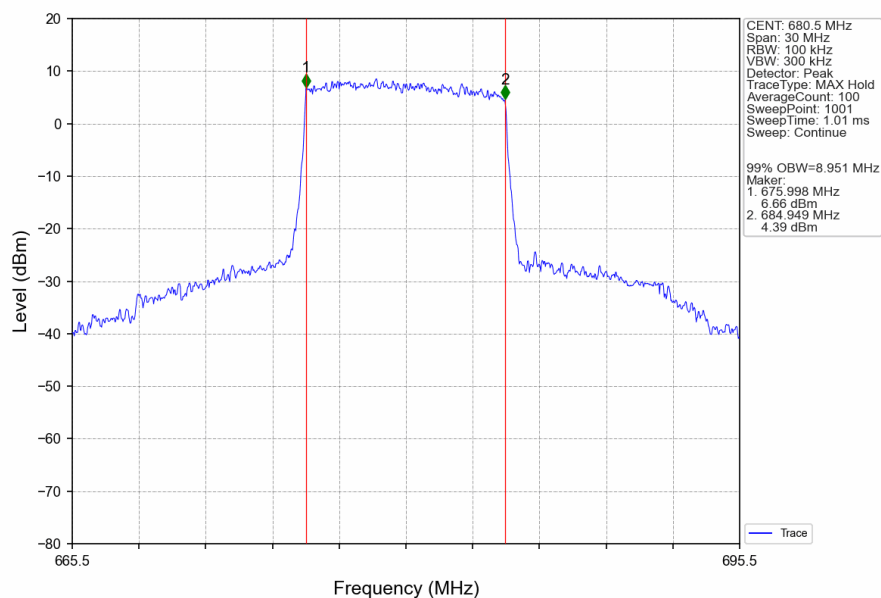
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



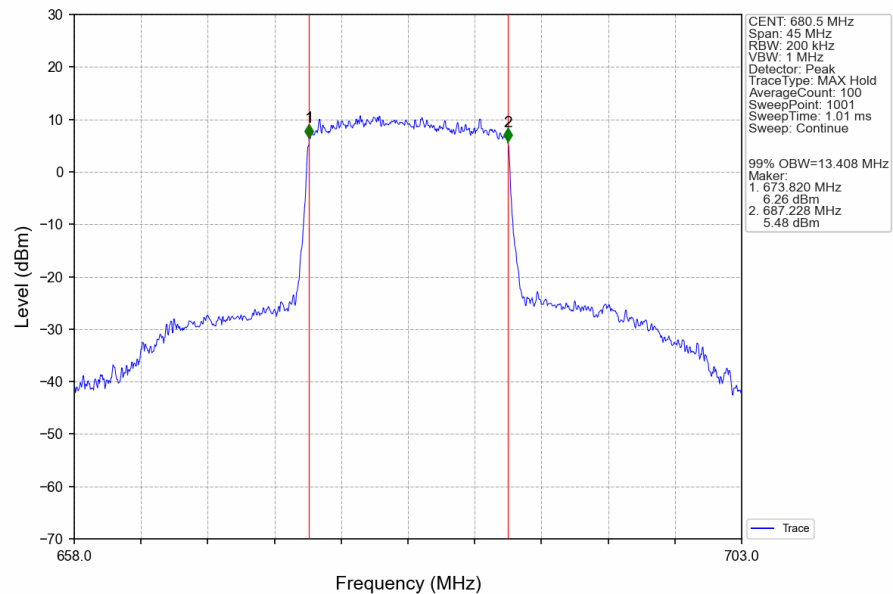
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



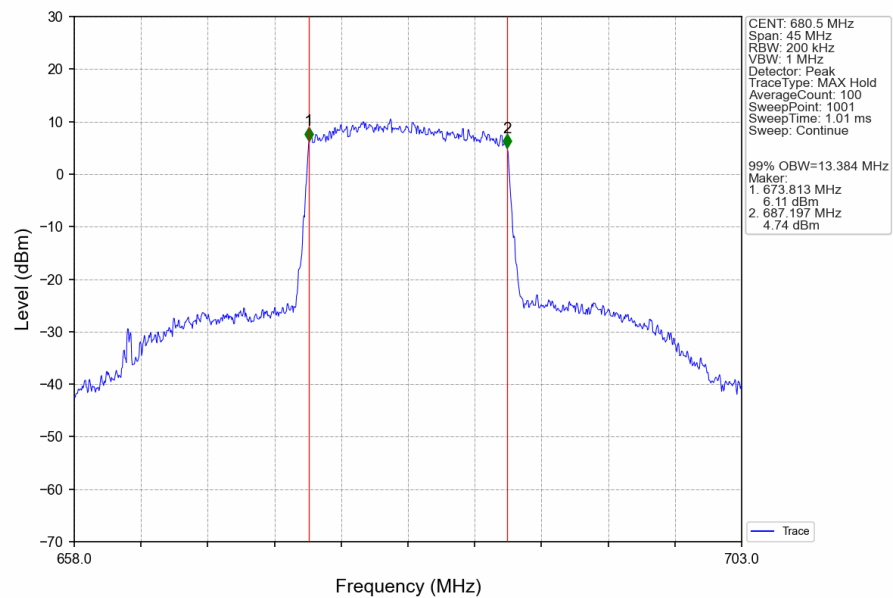
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



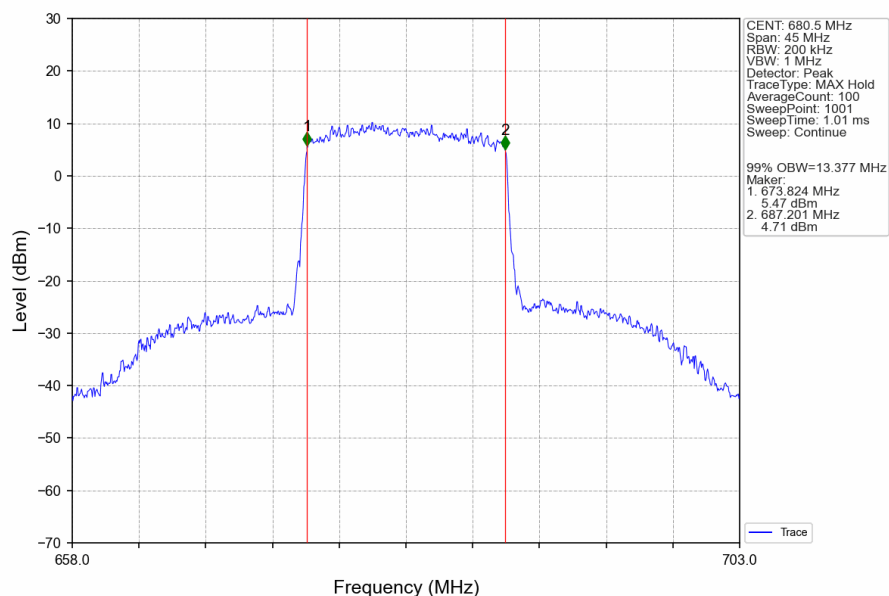
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



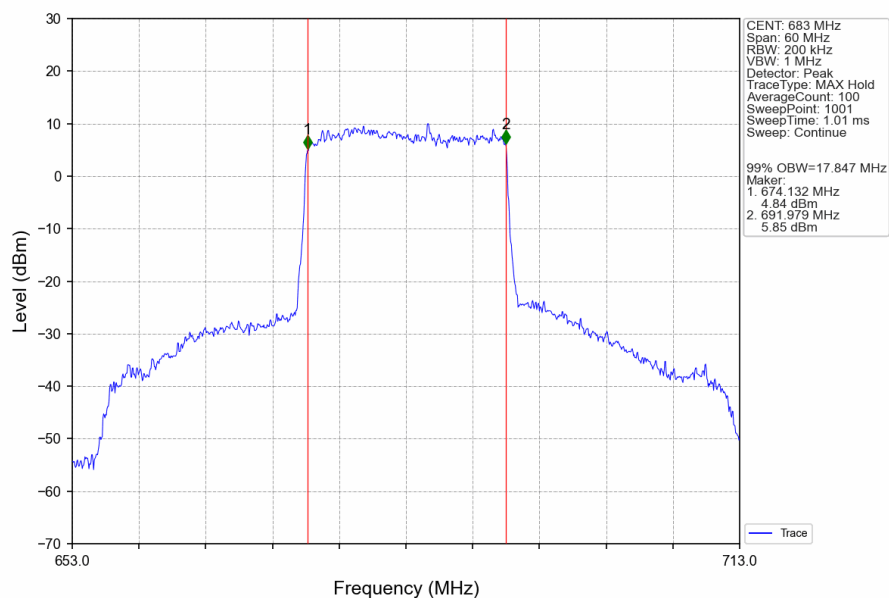
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



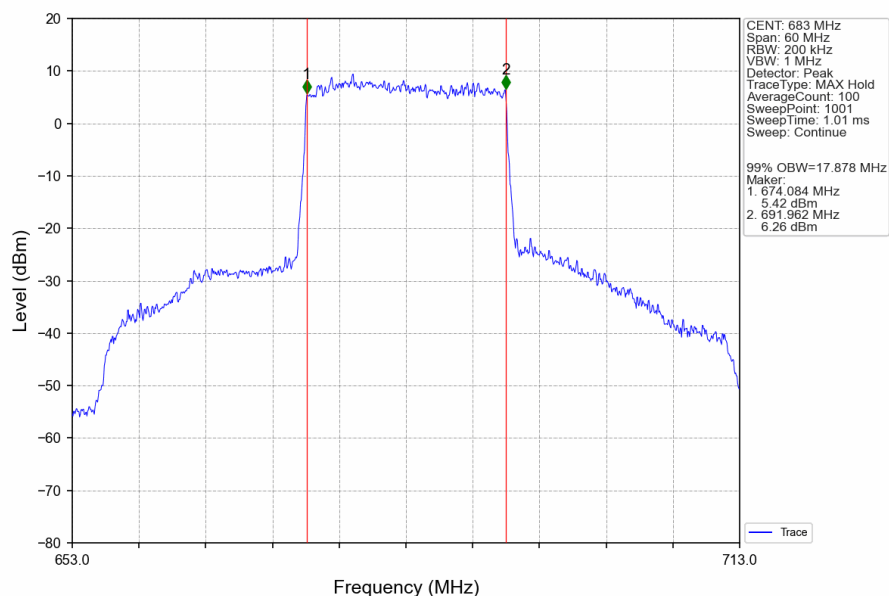
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



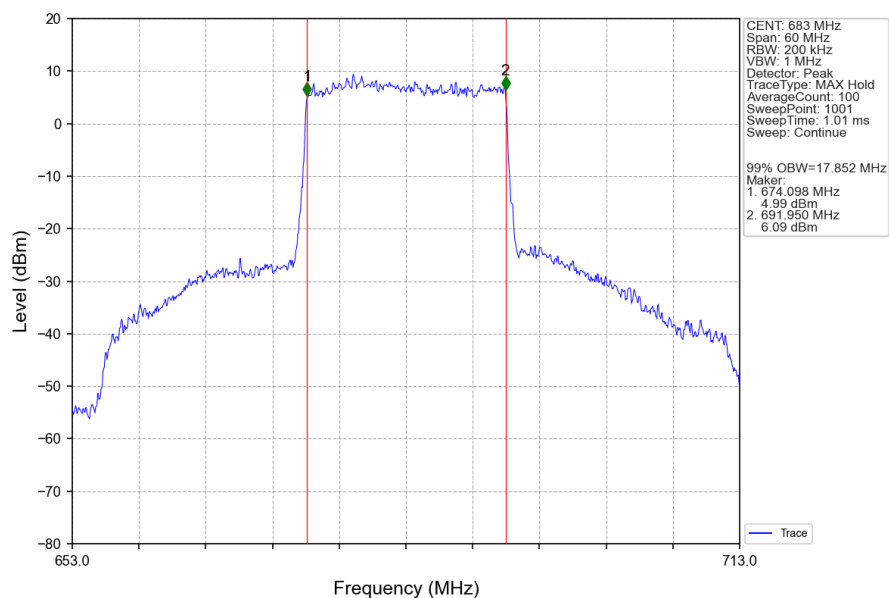
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



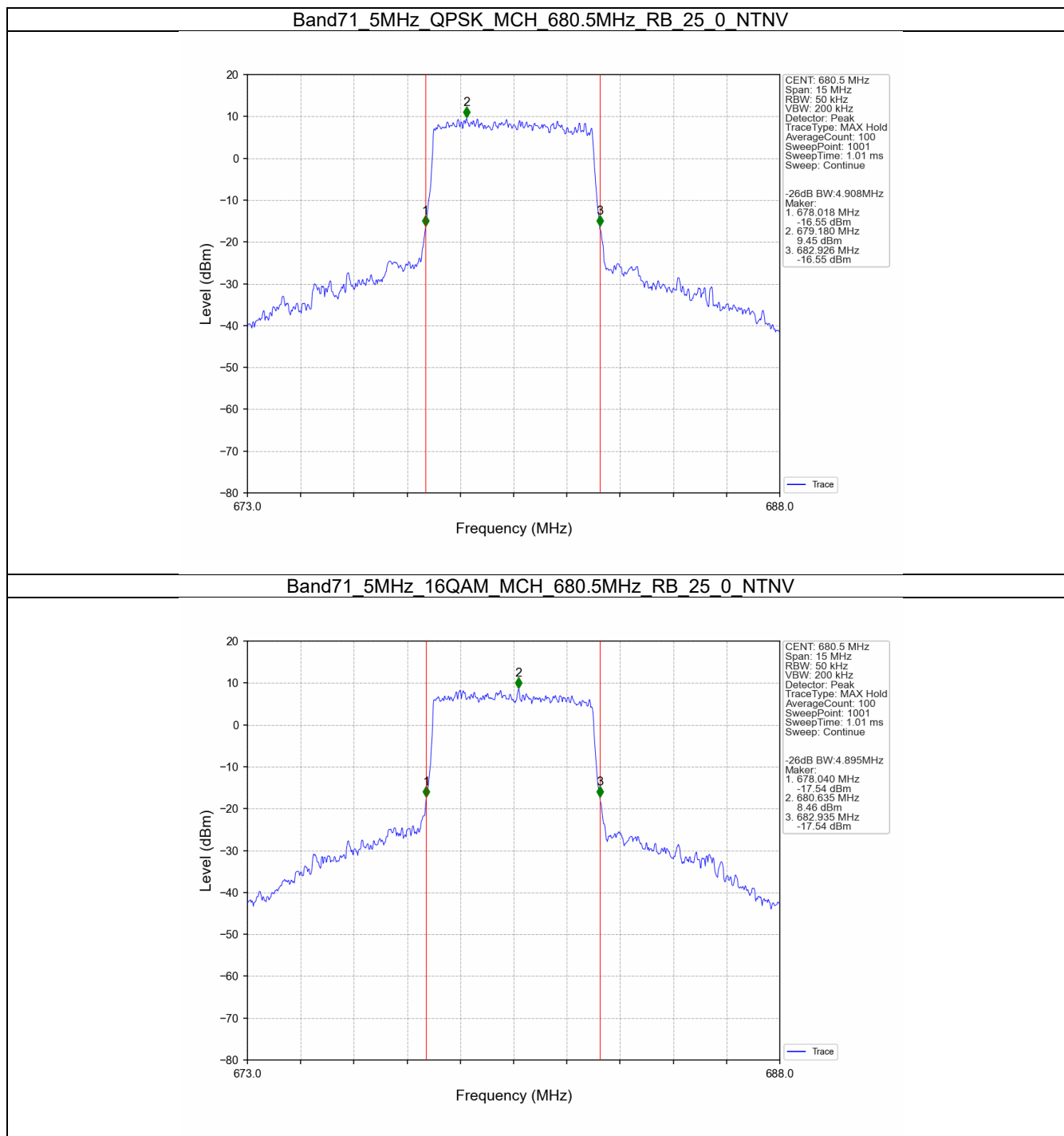
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



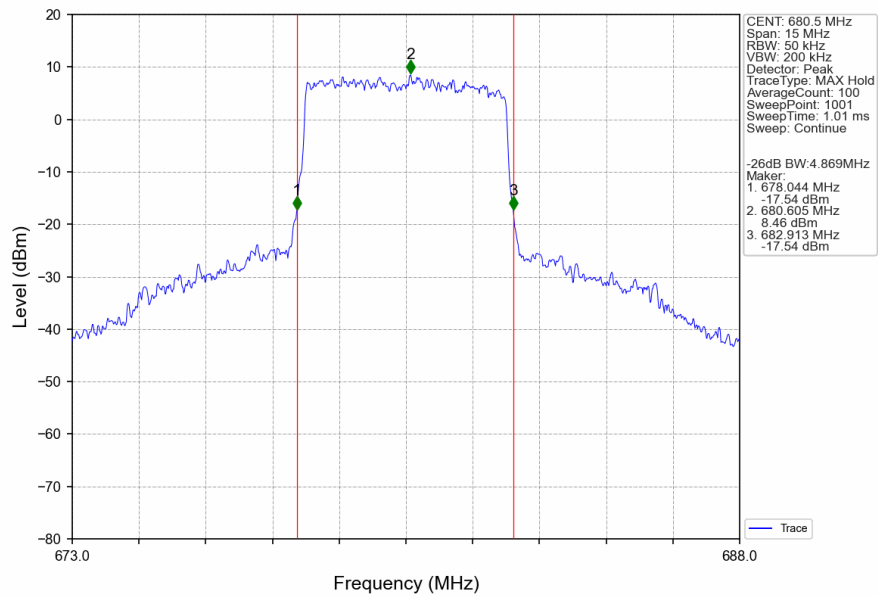
Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



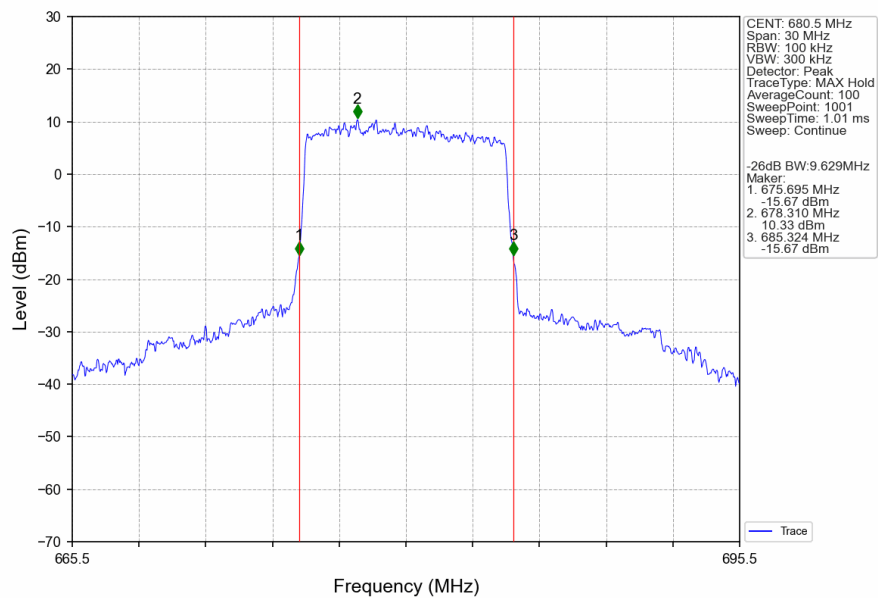
3.2.2 Band71_XDB



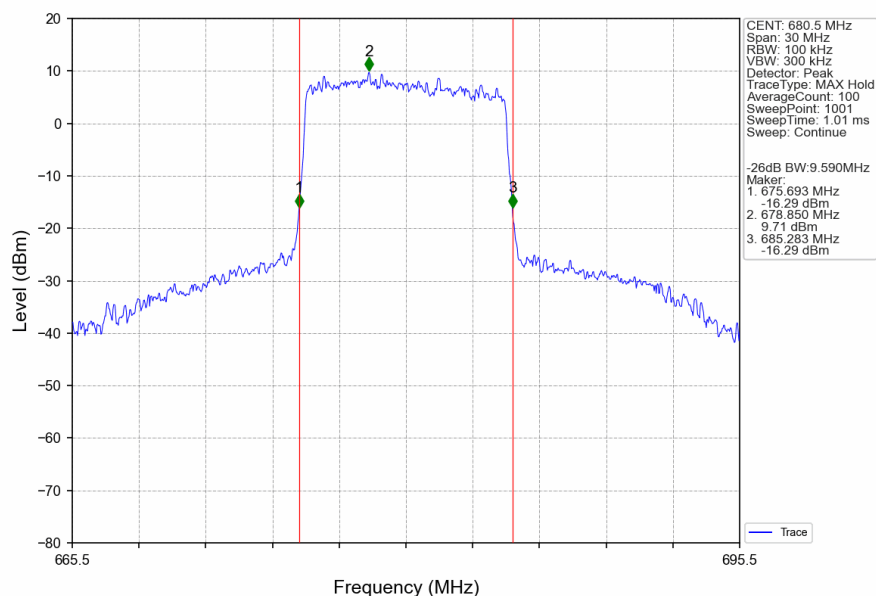
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



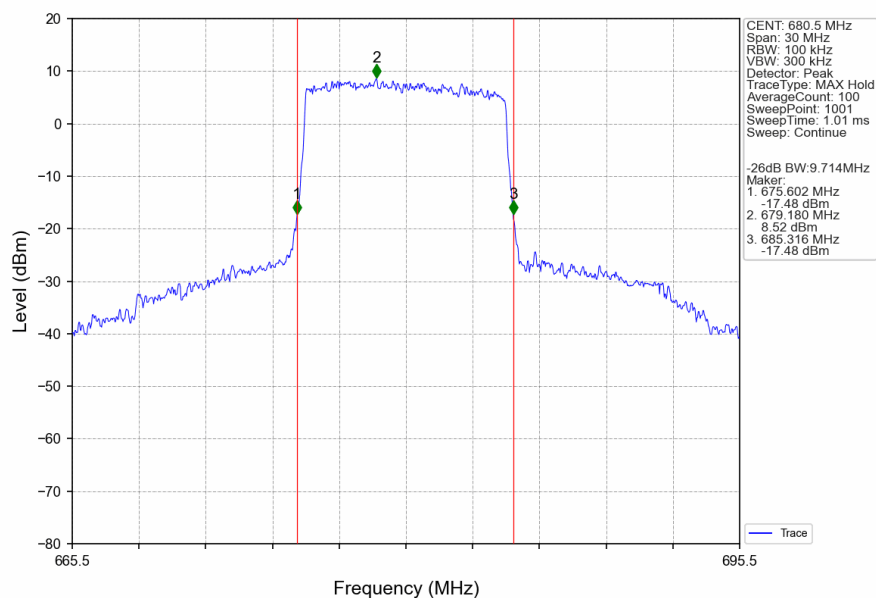
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



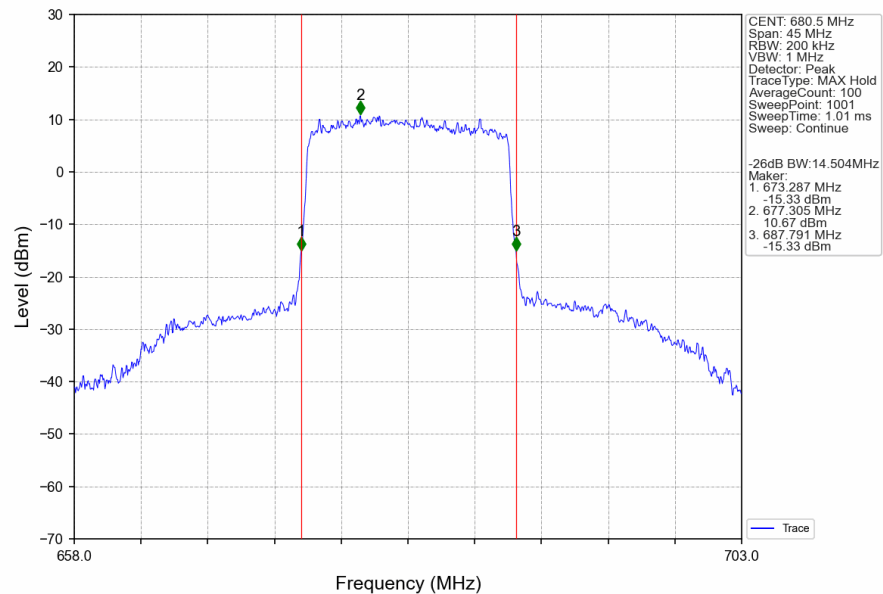
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



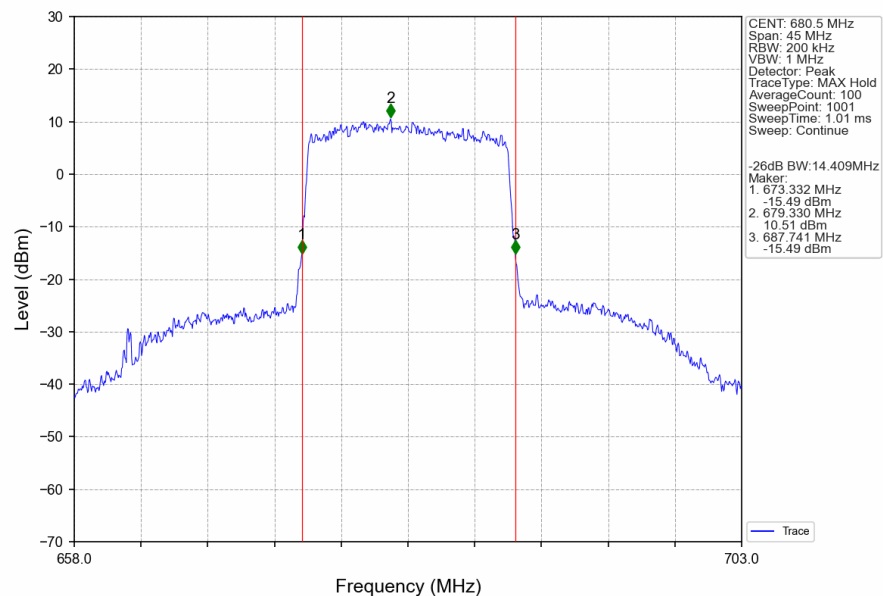
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



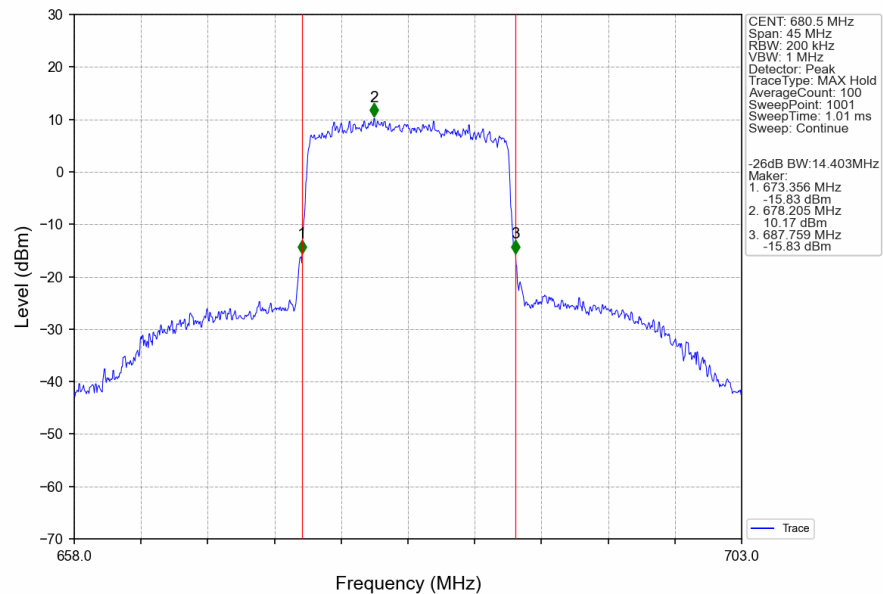
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



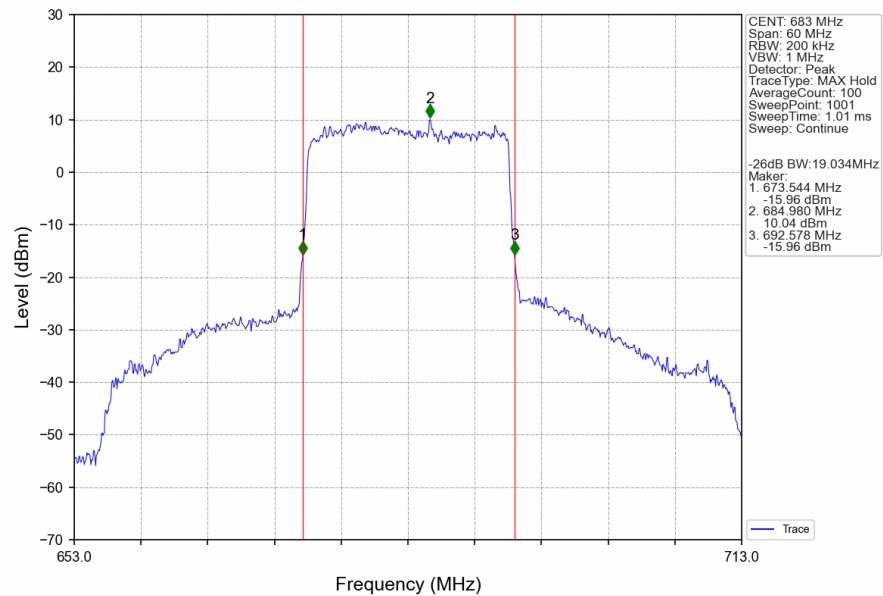
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



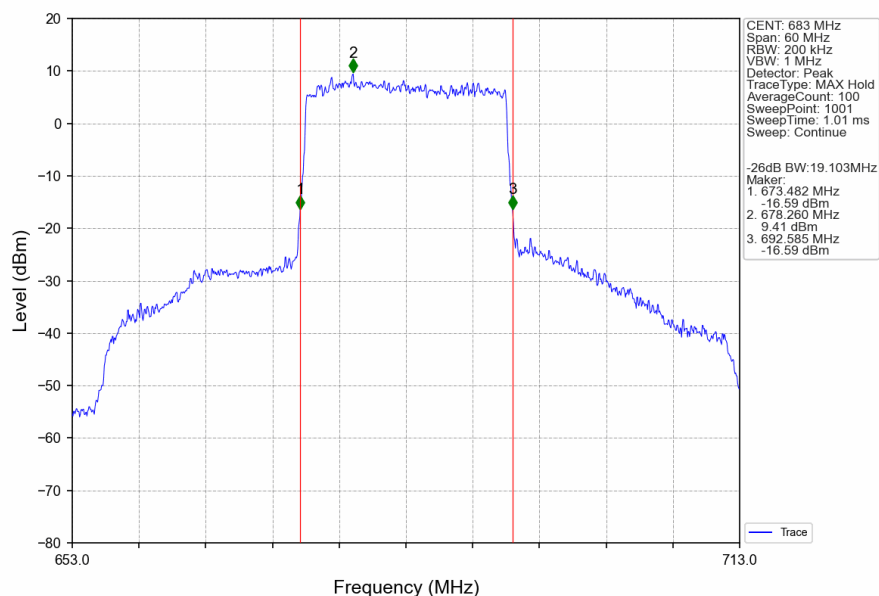
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



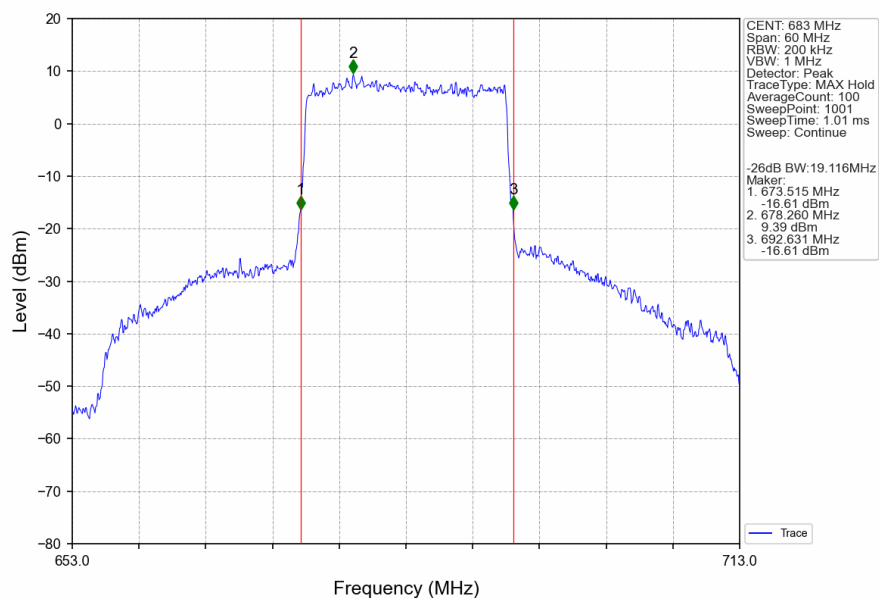
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV





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4. Peak-Average Ratio

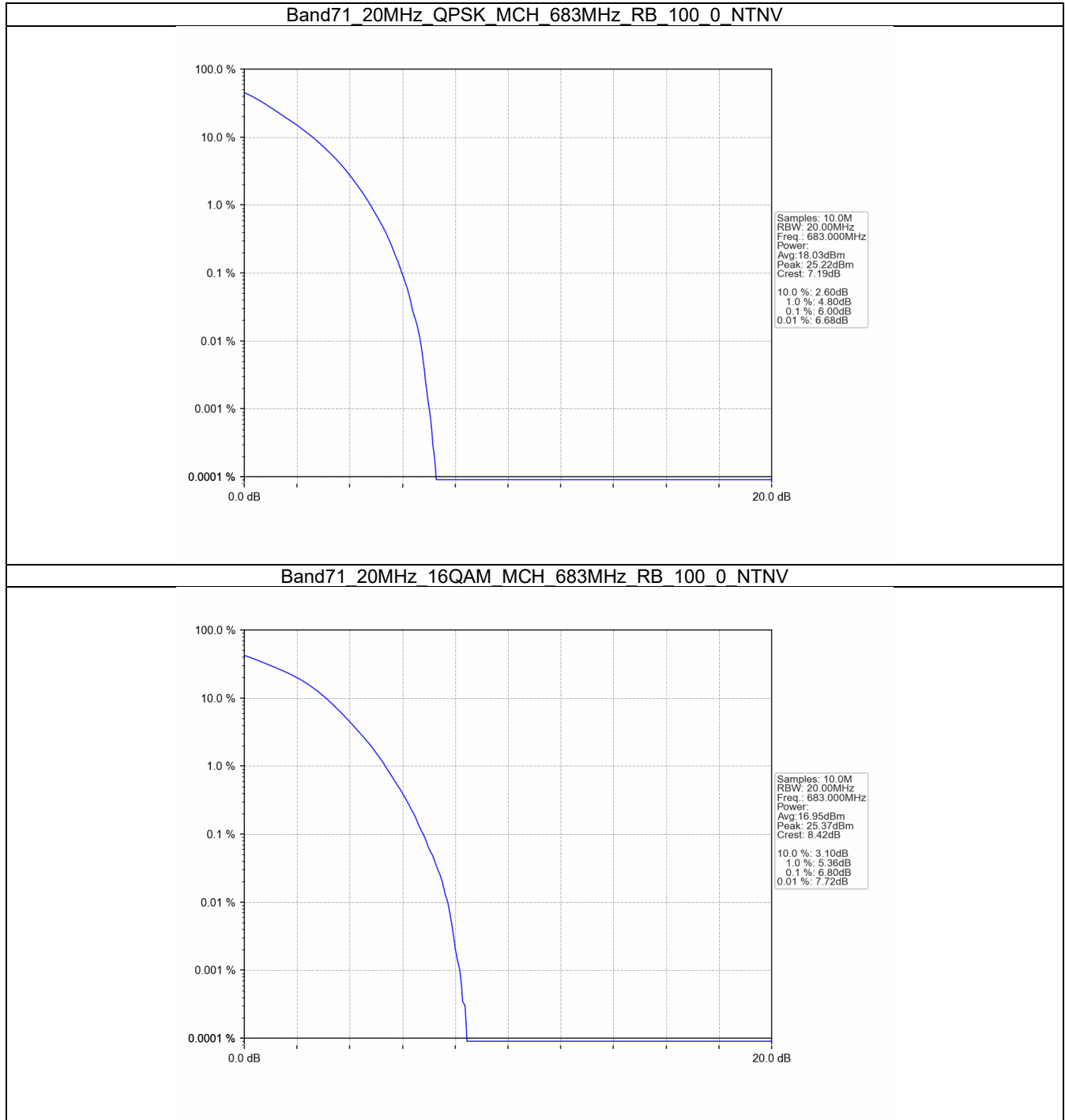
4.1 Test Result

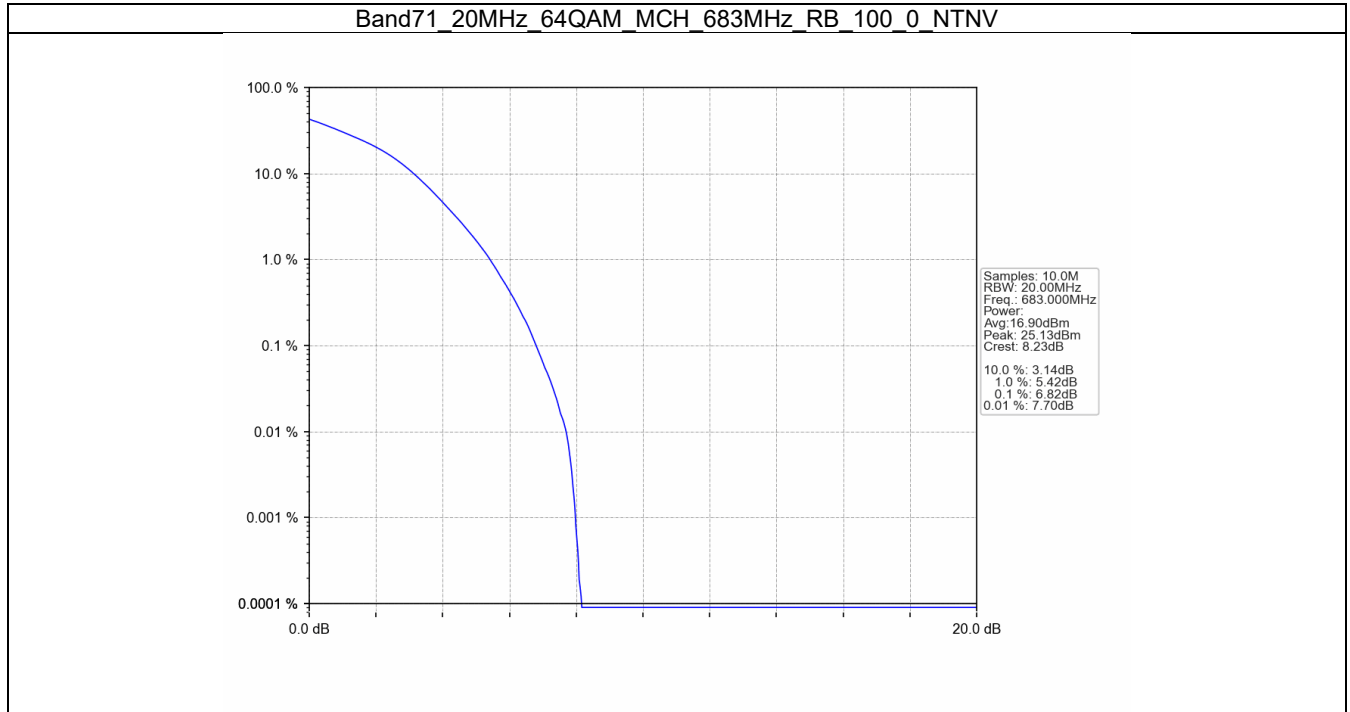
4.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	6.00	<=13	Pass
16QAM	683	100	0	6.80	<=13	Pass
64QAM	683	100	0	6.82	<=13	Pass

4.2 Test Graph

4.2.1 B71_20MHz







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5. Spurious Emission

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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	
		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	
		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

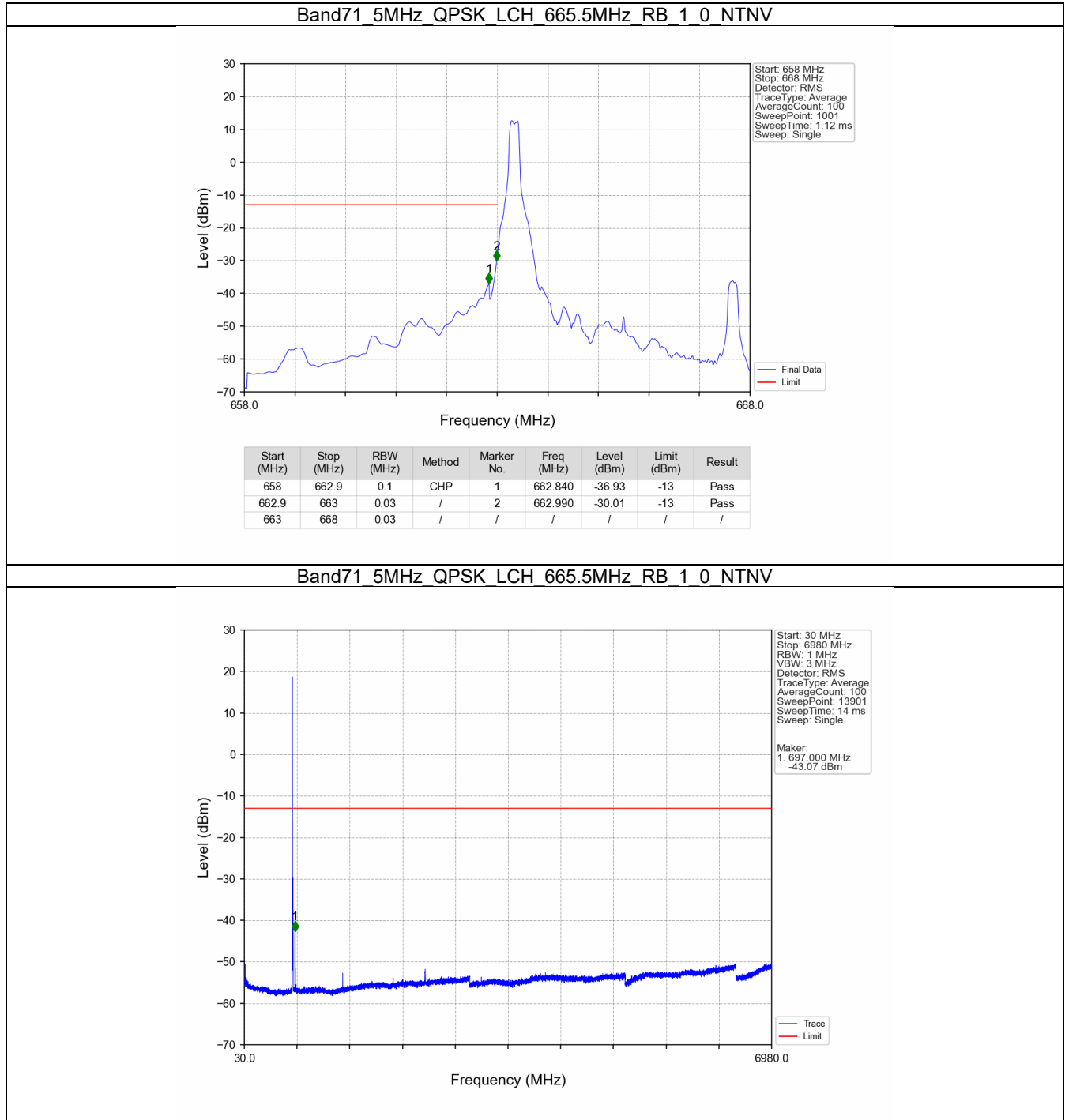
Band: 71 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict



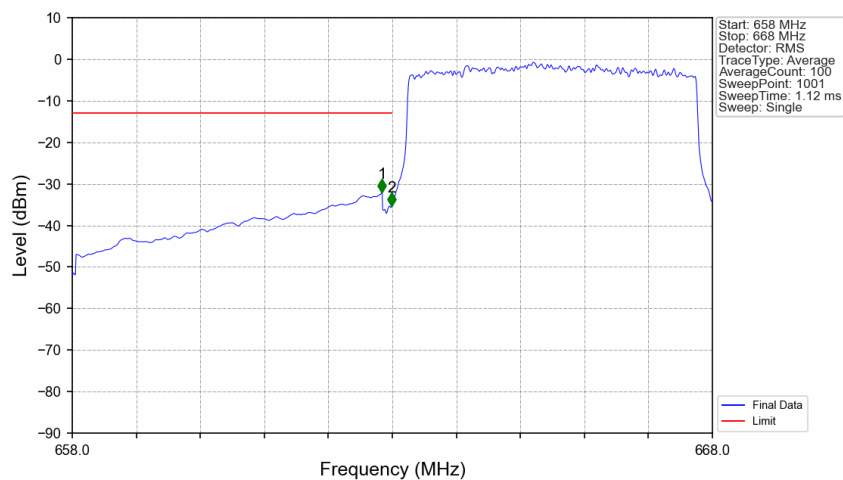
	(MHz)	Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B71_5MHz

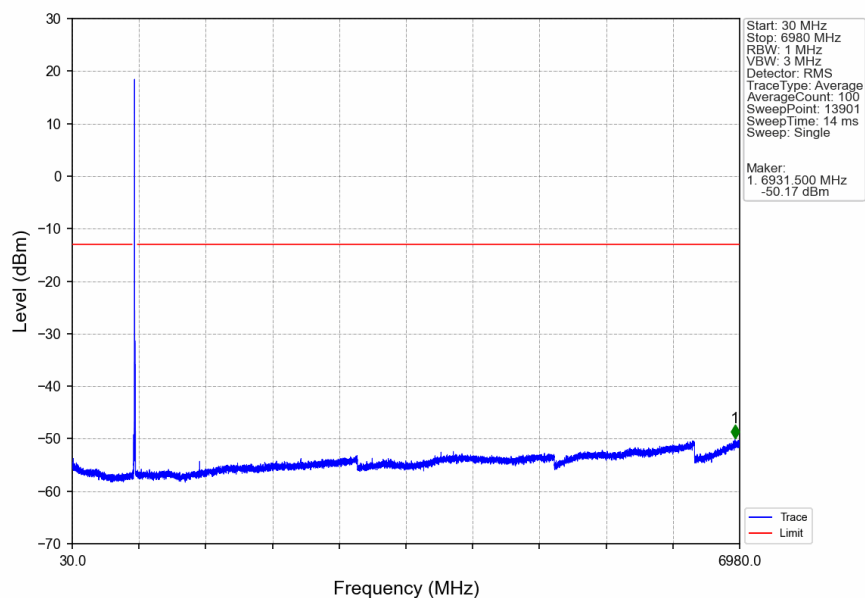


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

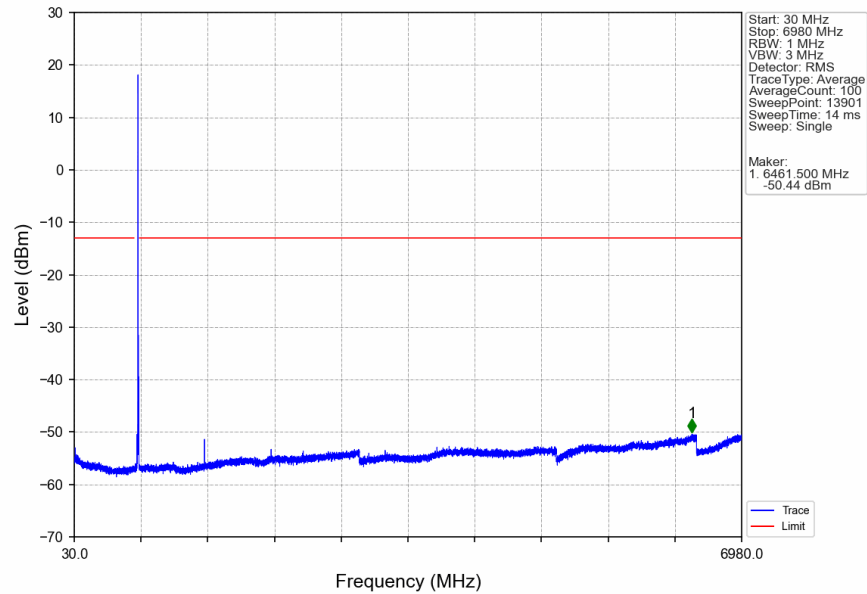


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-32.07	-13	Pass
662.9	663	0.03	/	2	662.990	-35.23	-13	Pass
663	668	0.03	/	/	/	/	/	/

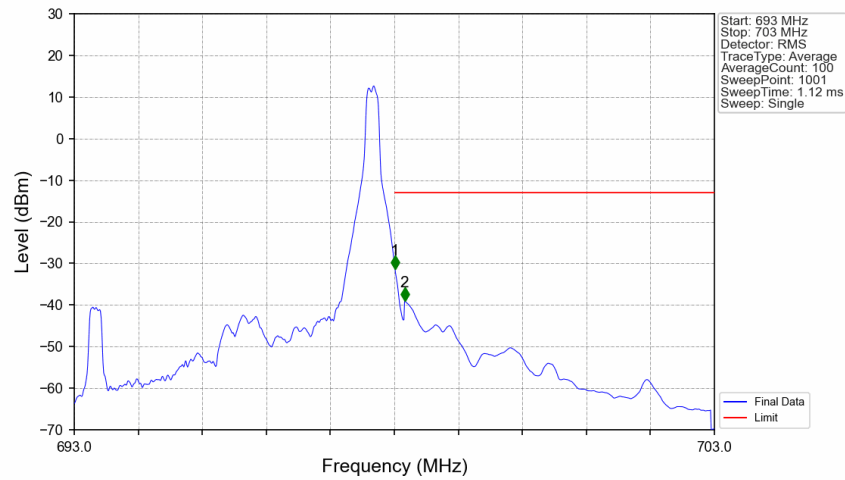
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



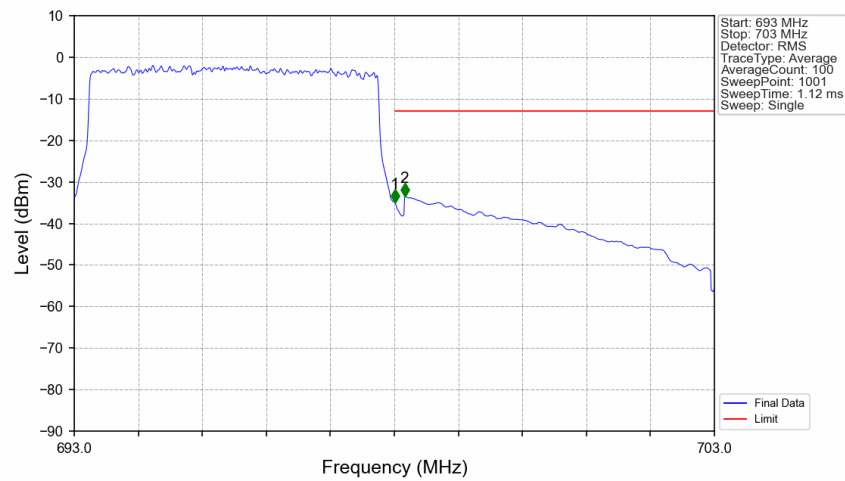
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



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	-31.26	-13	Pass
698.1	703	0.1	CHP	2	698.160	-38.93	-13	Pass

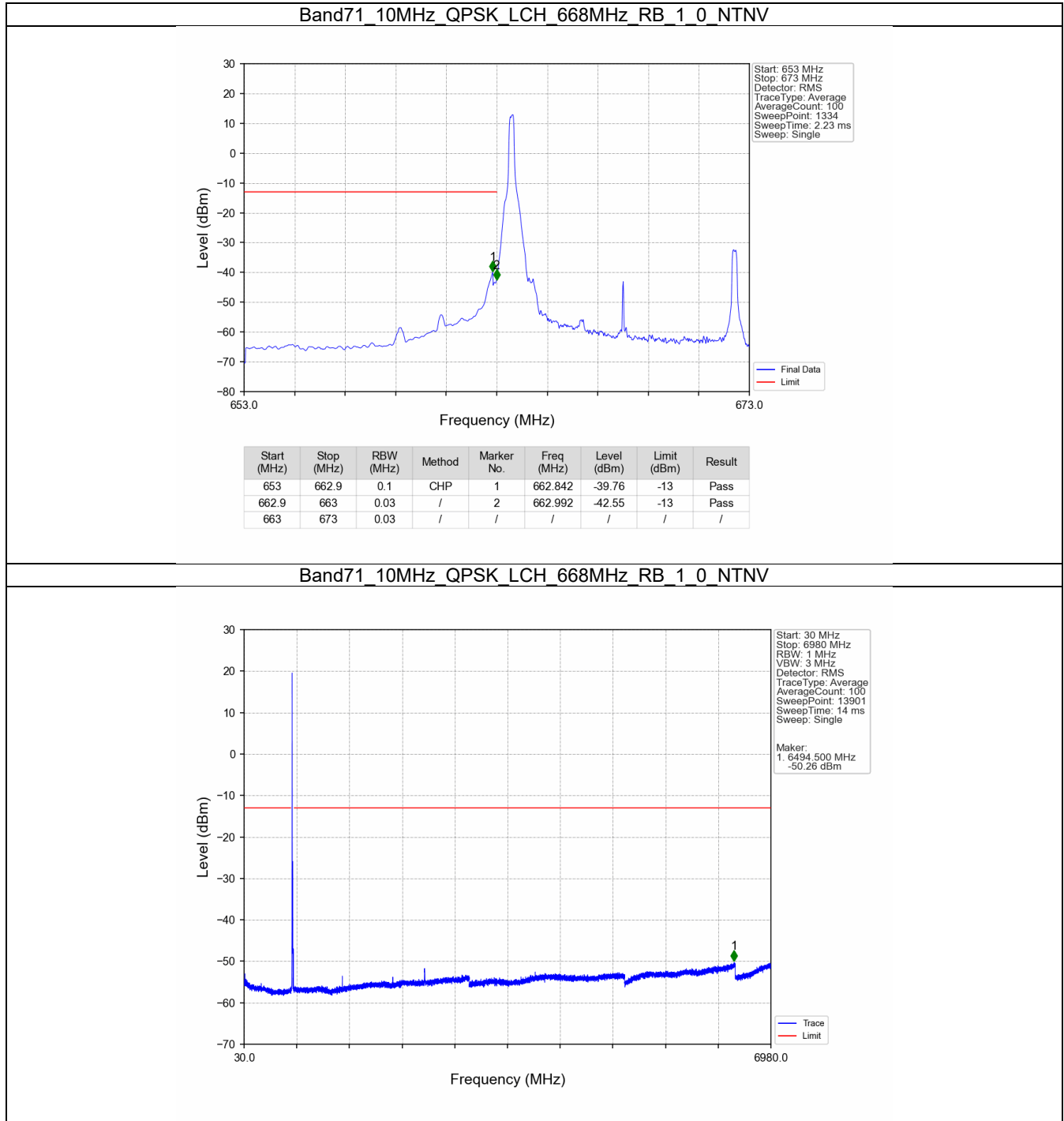


Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV

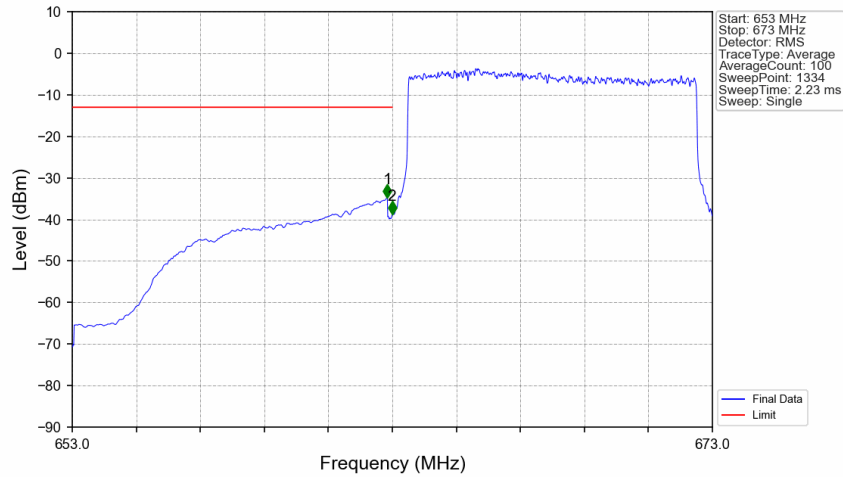


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.010	-35.02	-13	Pass
698.1	703	0.1	CHP	2	698.160	-33.56	-13	Pass

5.2.2 B71_10MHz

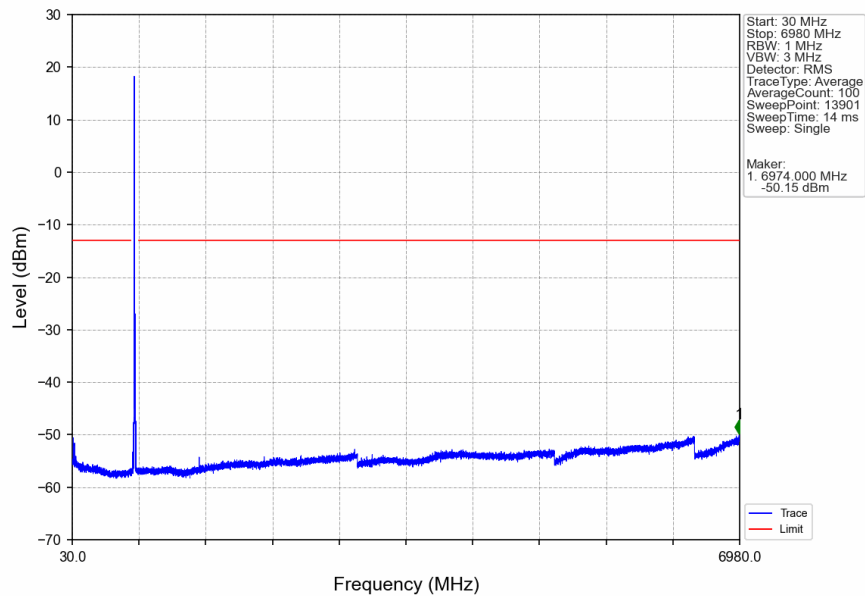


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

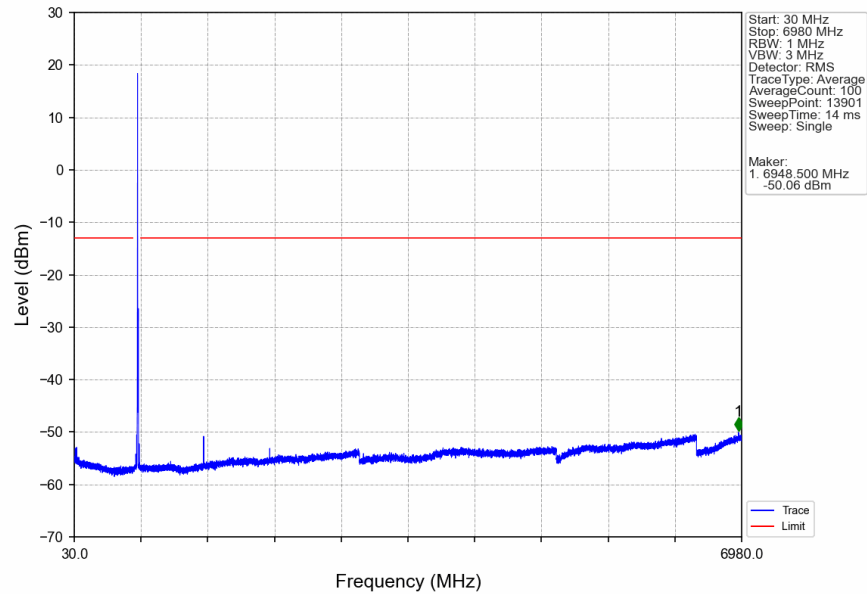


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-34.84	-13	Pass
662.9	663	0.03	/	2	662.992	-38.82	-13	Pass
663	673	0.03	/	/	/	/	/	/

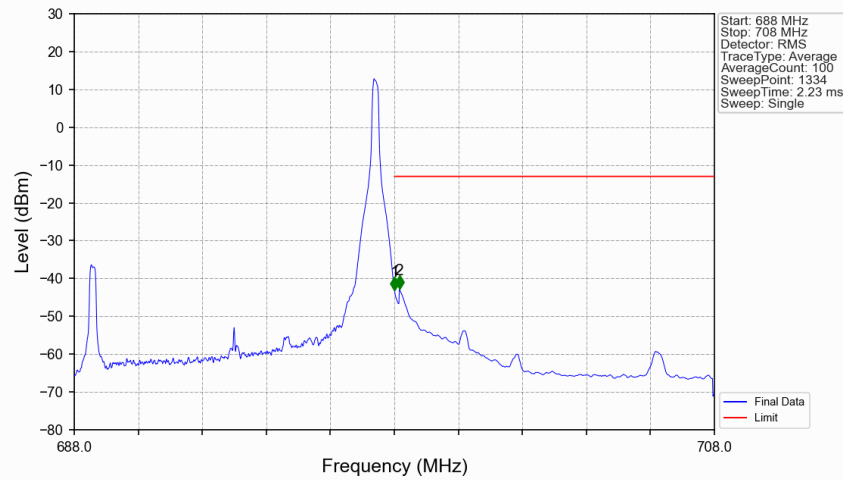
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



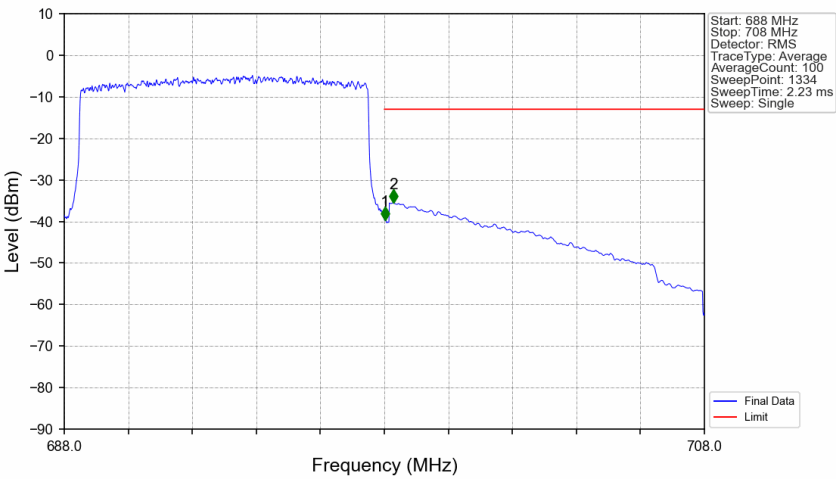
Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



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	-43.07	-13	Pass
698.1	708	0.1	CHP	2	698.158	-42.74	-13	Pass

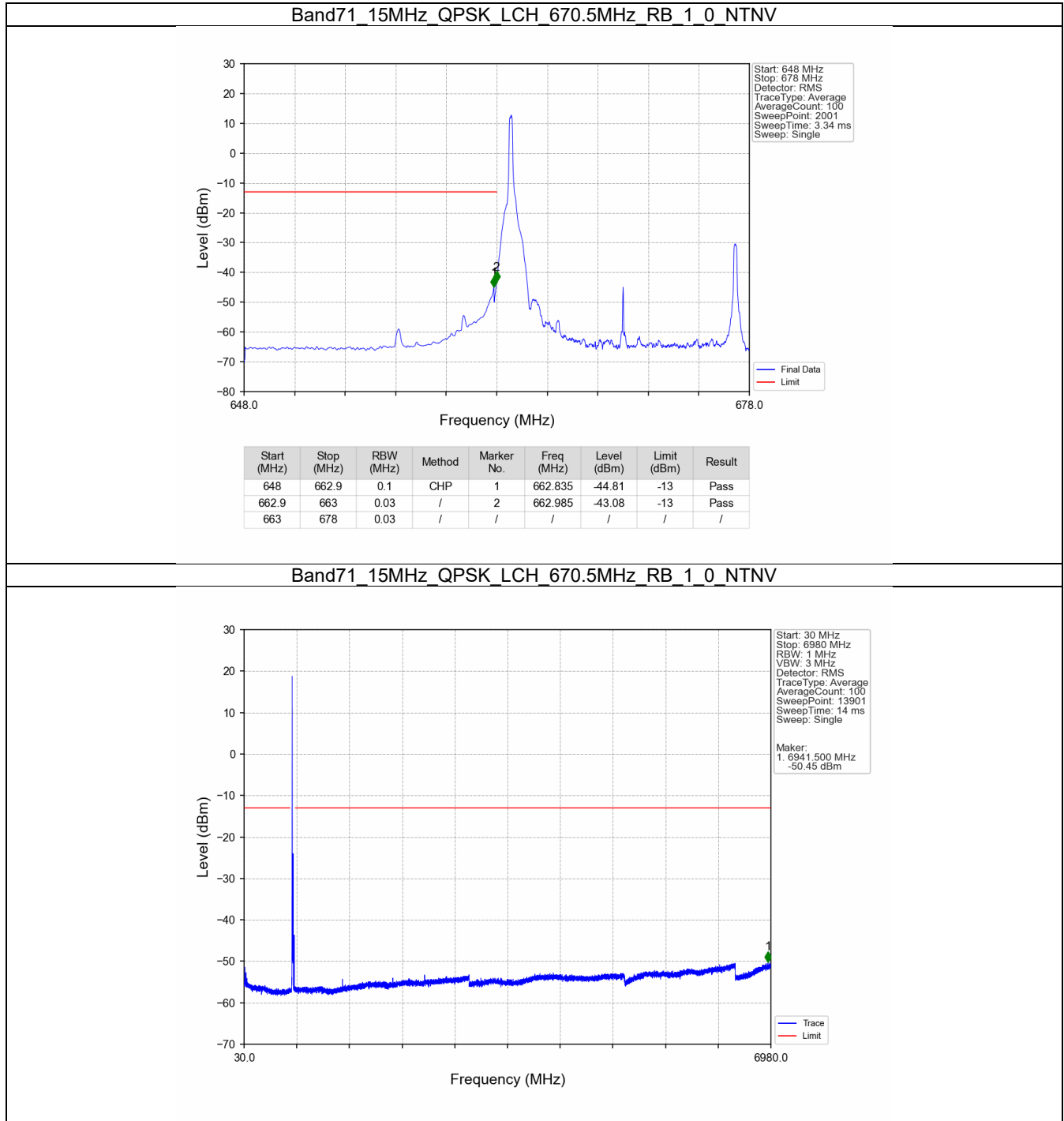


Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV

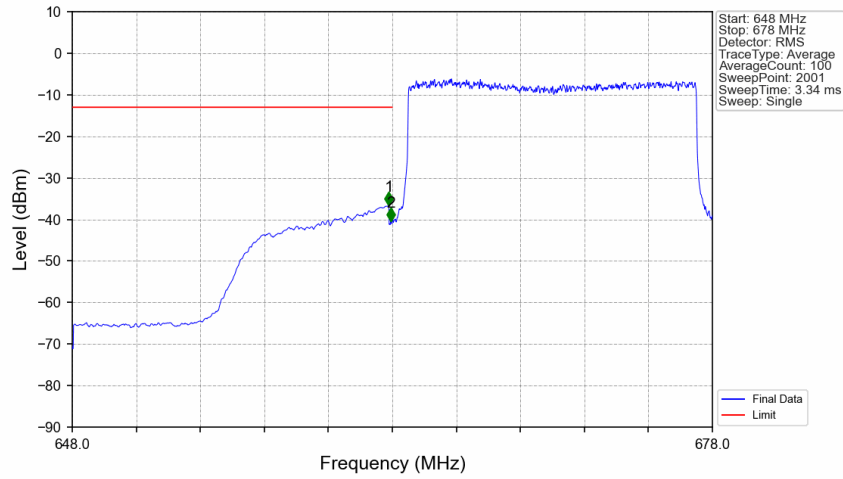


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.023	-39.70	-13	Pass
698.1	708	0.1	CHP	2	698.278	-35.44	-13	Pass

5.2.3 B71_15MHz

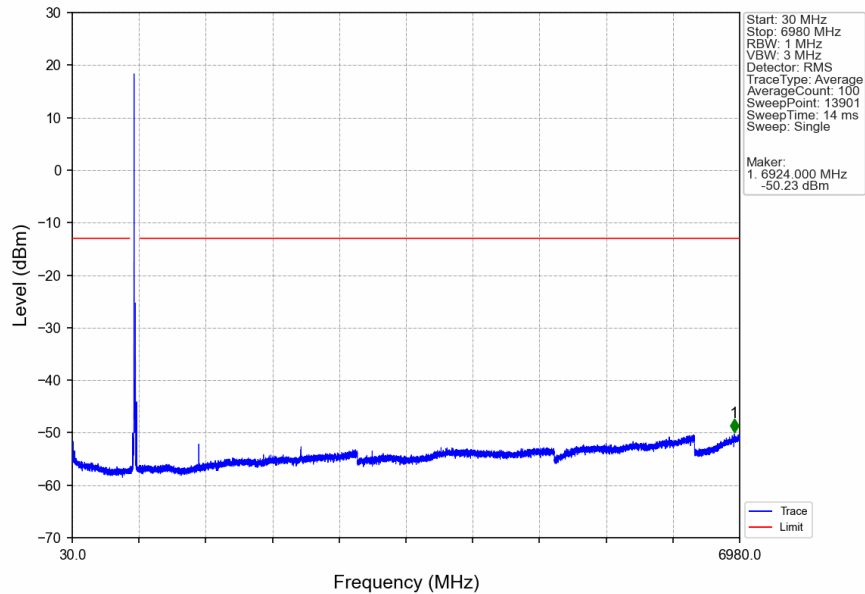


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

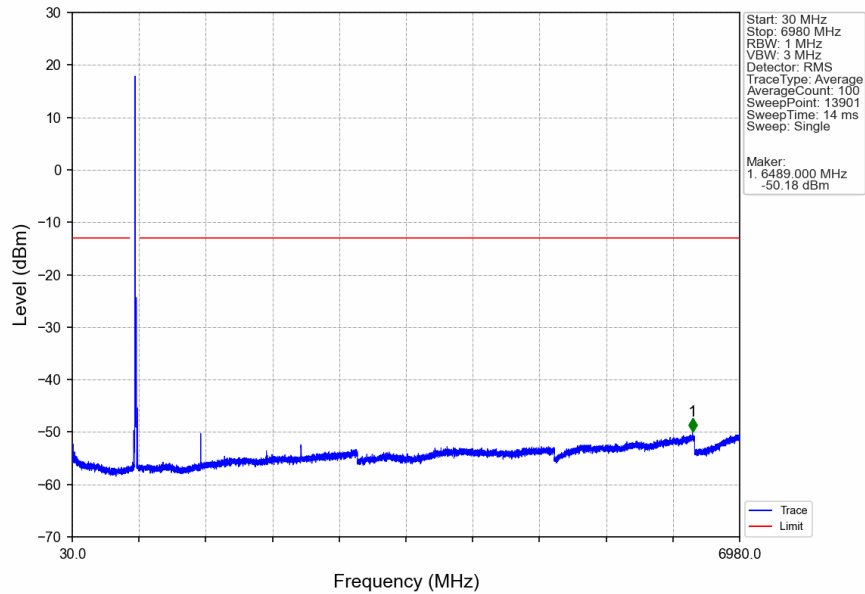


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-36.60	-13	Pass
662.9	663	0.03	/	2	662.925	-40.47	-13	Pass
663	678	0.03	/	/	/	/	/	/

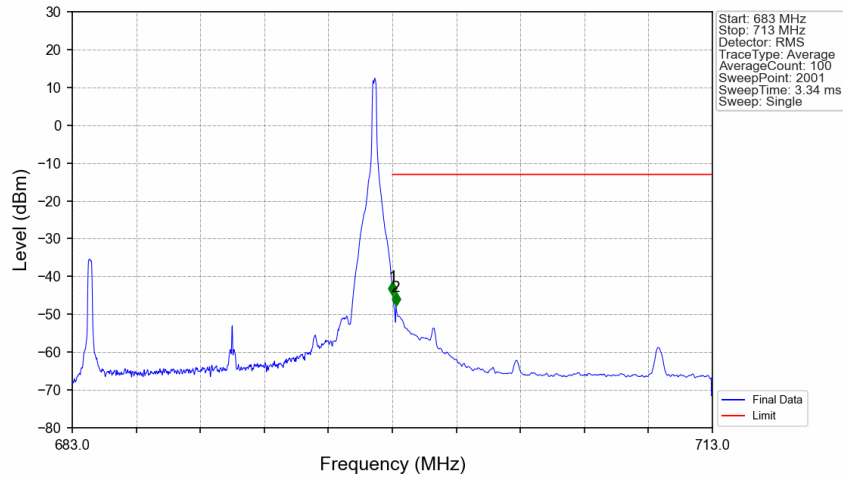
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

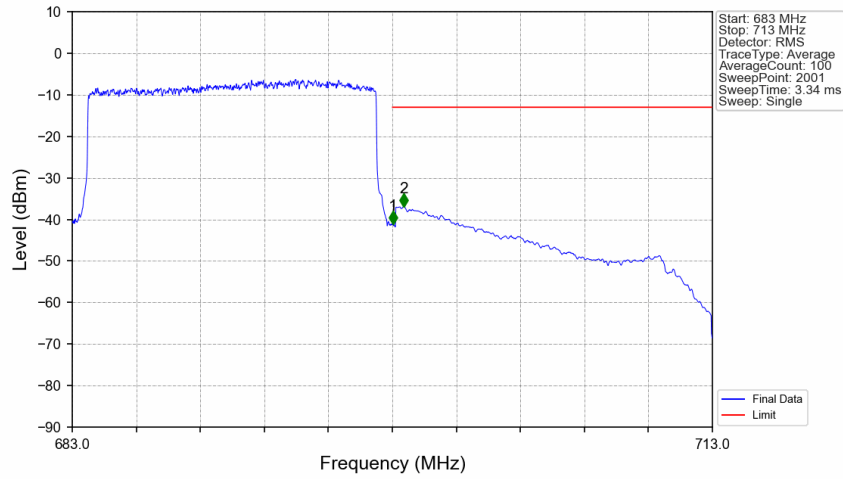


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



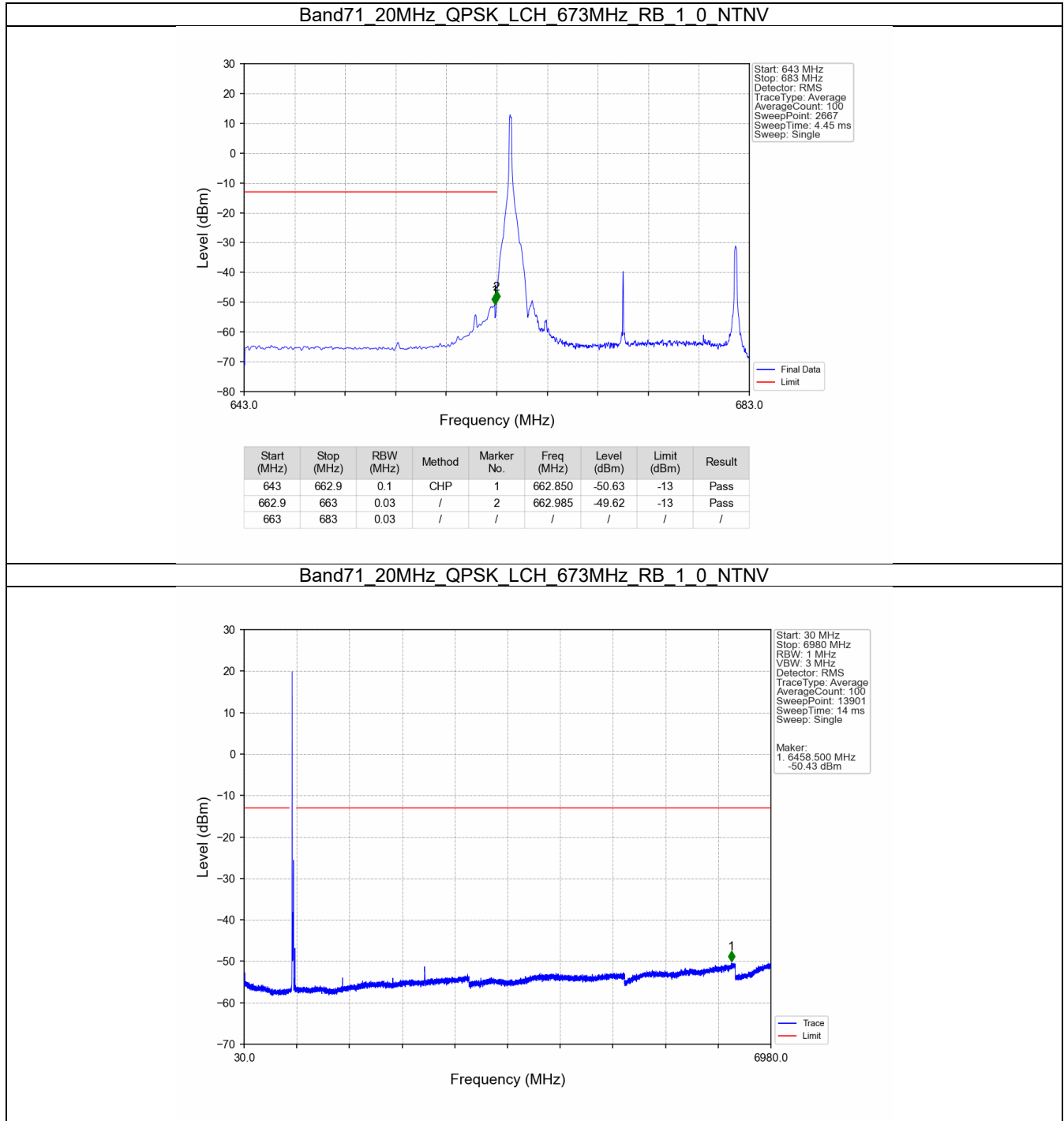
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-44.86	-13	Pass
698.1	713	0.1	CHP	2	698.165	-47.71	-13	Pass

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV

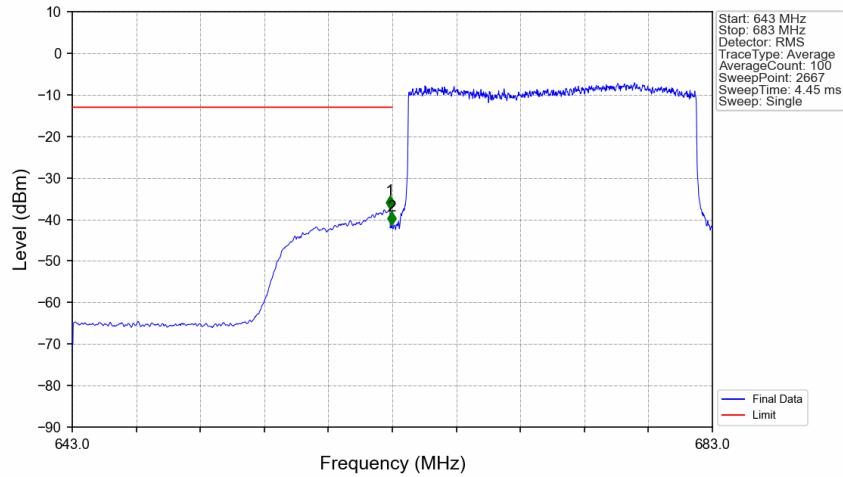


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-41.08	-13	Pass
698.1	713	0.1	CHP	2	698.525	-36.88	-13	Pass

5.2.4 B71_20MHz

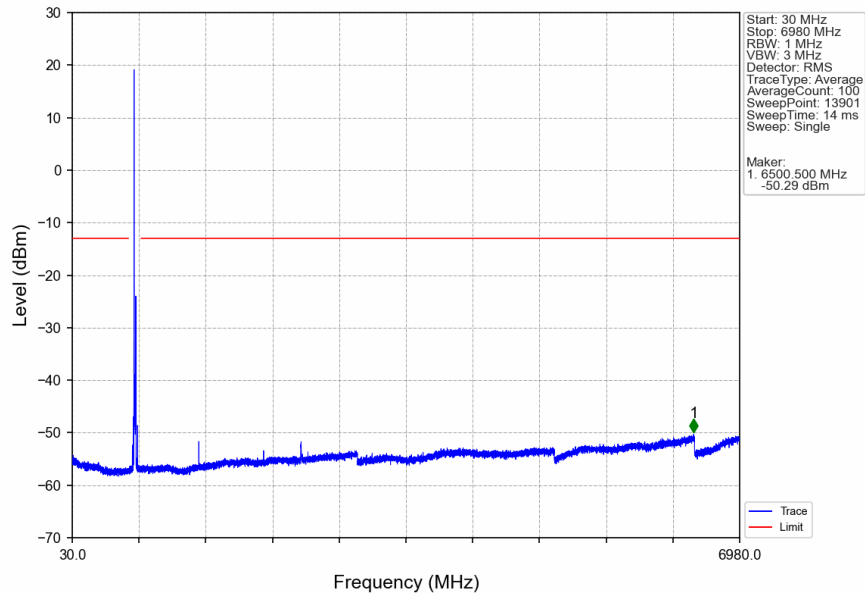


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

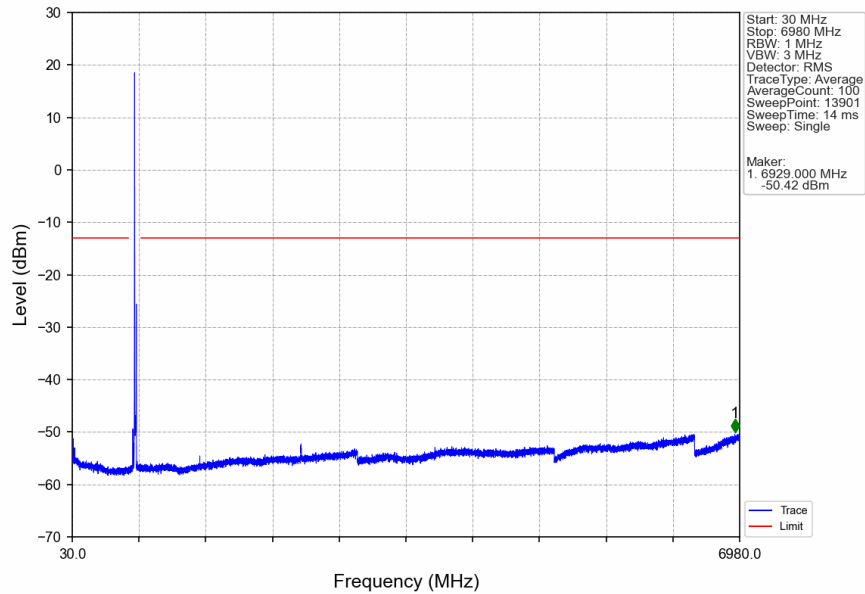


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-37.49	-13	Pass
662.9	663	0.03	/	2	662.970	-41.39	-13	Pass
663	683	0.03	/	/	/	/	/	/

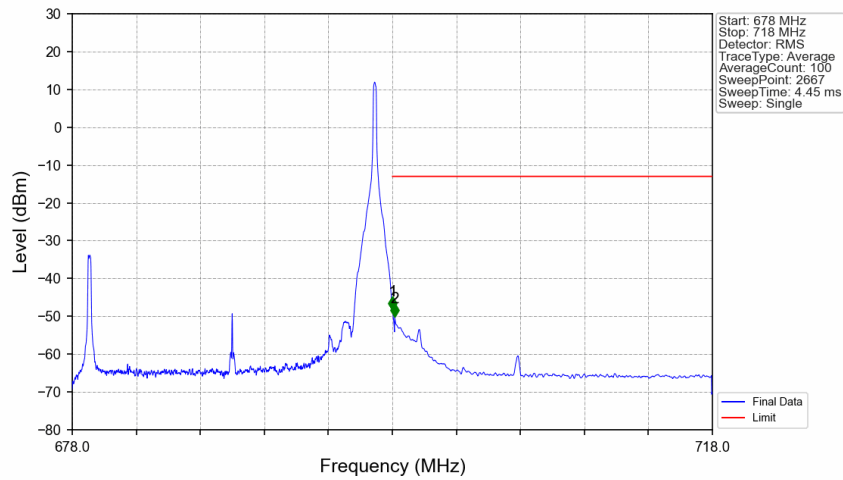
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



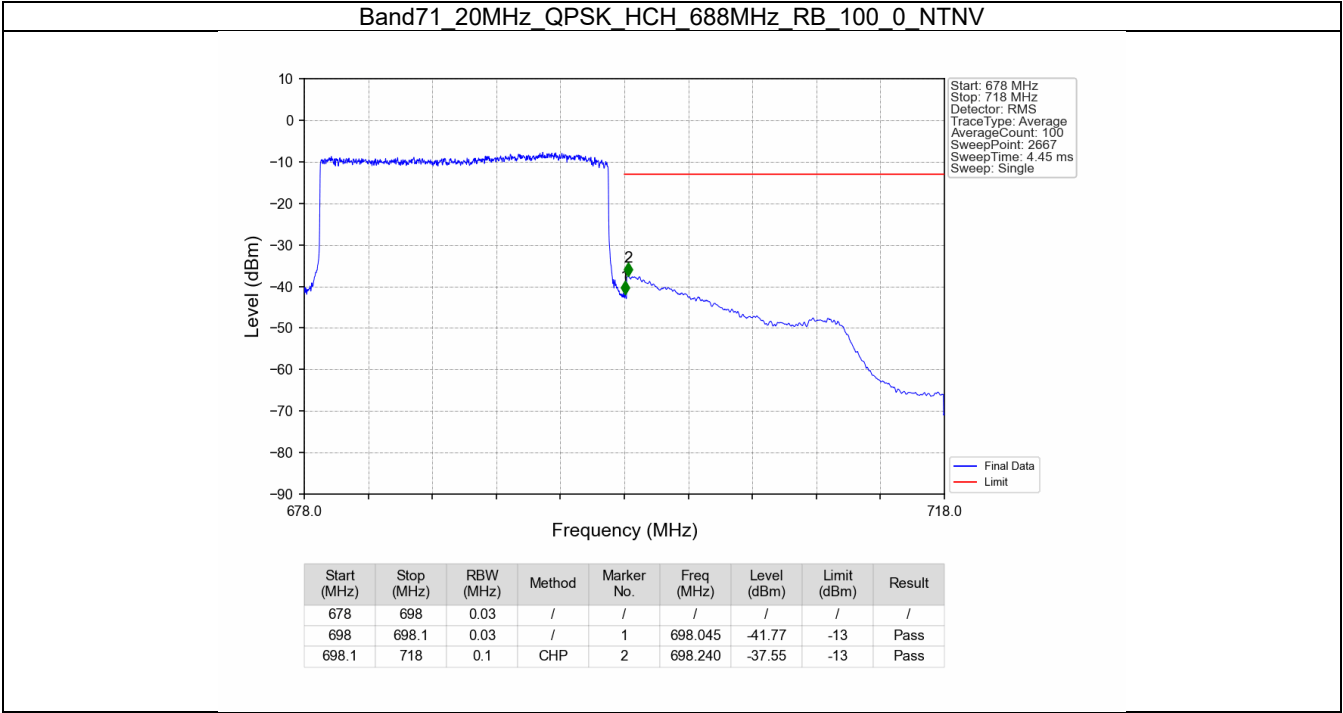
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



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	-48.26	-13	Pass
698.1	718	0.1	CHP	2	698.150	-50.05	-13	Pass



---End of Attachment---