

1. Effective (Isotropic) Radiated Power Output Data (External Antenna)

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	23.31	-0.16	21.00	<=34.77	Pass
			13	23.59	-0.16	21.28	<=34.77	Pass
			24	23.20	-0.16	20.89	<=34.77	Pass
		12	0	22.44	-0.16	20.13	<=34.77	Pass
			6	22.55	-0.16	20.24	<=34.77	Pass
			13	22.40	-0.16	20.09	<=34.77	Pass
		25	0	22.38	-0.16	20.07	<=34.77	Pass
	680.5	1	0	23.36	-0.16	21.05	<=34.77	Pass
			13	23.38	-0.16	21.07	<=34.77	Pass
			24	23.22	-0.16	20.91	<=34.77	Pass
		12	0	22.17	-0.16	19.86	<=34.77	Pass
			6	22.16	-0.16	19.85	<=34.77	Pass
			13	22.12	-0.16	19.81	<=34.77	Pass
		25	0	22.14	-0.16	19.83	<=34.77	Pass
	695.5	1	0	23.19	-0.16	20.88	<=34.77	Pass
			13	23.31	-0.16	21.00	<=34.77	Pass
			24	23.20	-0.16	20.89	<=34.77	Pass
		12	0	22.25	-0.16	19.94	<=34.77	Pass
			6	22.27	-0.16	19.96	<=34.77	Pass
			13	22.22	-0.16	19.91	<=34.77	Pass
		25	0	22.20	-0.16	19.89	<=34.77	Pass
16QAM	665.5	1	0	22.12	-0.16	19.81	<=34.77	Pass
			13	22.30	-0.16	19.99	<=34.77	Pass
			24	21.97	-0.16	19.66	<=34.77	Pass
		12	0	21.32	-0.16	19.01	<=34.77	Pass
			6	21.49	-0.16	19.18	<=34.77	Pass
			13	21.25	-0.16	18.94	<=34.77	Pass
		25	0	21.36	-0.16	19.05	<=34.77	Pass
	680.5	1	0	22.28	-0.16	19.97	<=34.77	Pass
			13	22.03	-0.16	19.72	<=34.77	Pass
			24	21.80	-0.16	19.49	<=34.77	Pass
		12	0	21.14	-0.16	18.83	<=34.77	Pass
			6	21.15	-0.16	18.84	<=34.77	Pass
			13	21.01	-0.16	18.70	<=34.77	Pass
		25	0	21.09	-0.16	18.78	<=34.77	Pass
	695.5	1	0	21.92	-0.16	19.61	<=34.77	Pass
			13	21.90	-0.16	19.59	<=34.77	Pass
			24	21.79	-0.16	19.48	<=34.77	Pass
		12	0	21.07	-0.16	18.76	<=34.77	Pass
			6	21.18	-0.16	18.87	<=34.77	Pass
			13	21.02	-0.16	18.71	<=34.77	Pass
		25	0	21.04	-0.16	18.73	<=34.77	Pass
64QAM	665.5	1	0	22.02	-0.16	19.71	<=34.77	Pass
			13	22.37	-0.16	20.06	<=34.77	Pass
			24	21.79	-0.16	19.48	<=34.77	Pass
		12	0	21.28	-0.16	18.97	<=34.77	Pass
			6	21.48	-0.16	19.17	<=34.77	Pass
			13	21.53	-0.16	19.22	<=34.77	Pass
		25	0	21.40	-0.16	19.09	<=34.77	Pass

	680.5	1	0	21.65	-0.16	19.34	<=34.77	Pass
			13	21.86	-0.16	19.55	<=34.77	Pass
			24	21.42	-0.16	19.11	<=34.77	Pass
		12	0	21.02	-0.16	18.71	<=34.77	Pass
			6	20.99	-0.16	18.68	<=34.77	Pass
			13	20.90	-0.16	18.59	<=34.77	Pass
		25	0	21.25	-0.16	18.94	<=34.77	Pass
	695.5	1	0	21.83	-0.16	19.52	<=34.77	Pass
			13	21.96	-0.16	19.65	<=34.77	Pass
			24	21.51	-0.16	19.20	<=34.77	Pass
		12	0	20.84	-0.16	18.53	<=34.77	Pass
			6	20.90	-0.16	18.59	<=34.77	Pass
			13	20.87	-0.16	18.56	<=34.77	Pass
		25	0	21.13	-0.16	18.82	<=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	23.51	-0.16	21.20	<=34.77	Pass
			25	23.83	-0.16	21.52	<=34.77	Pass
			49	23.27	-0.16	20.96	<=34.77	Pass
		25	0	22.50	-0.16	20.19	<=34.77	Pass
			13	22.53	-0.16	20.22	<=34.77	Pass
			25	22.33	-0.16	20.02	<=34.77	Pass
		50	0	22.47	-0.16	20.16	<=34.77	Pass
	680.5	1	0	23.48	-0.16	21.17	<=34.77	Pass
			25	23.48	-0.16	21.17	<=34.77	Pass
			49	23.17	-0.16	20.86	<=34.77	Pass
		25	0	22.39	-0.16	20.08	<=34.77	Pass
			13	22.35	-0.16	20.04	<=34.77	Pass
			25	22.27	-0.16	19.96	<=34.77	Pass
		50	0	22.39	-0.16	20.08	<=34.77	Pass
	693	1	0	23.36	-0.16	21.05	<=34.77	Pass
			25	23.70	-0.16	21.39	<=34.77	Pass
			49	23.18	-0.16	20.87	<=34.77	Pass
		25	0	22.35	-0.16	20.04	<=34.77	Pass
			13	22.26	-0.16	19.95	<=34.77	Pass
			25	22.19	-0.16	19.88	<=34.77	Pass
		50	0	22.25	-0.16	19.94	<=34.77	Pass
16QAM	668	1	0	21.57	-0.16	19.26	<=34.77	Pass
			25	22.56	-0.16	20.25	<=34.77	Pass
			49	21.93	-0.16	19.62	<=34.77	Pass
		25	0	21.32	-0.16	19.01	<=34.77	Pass
			13	21.36	-0.16	19.05	<=34.77	Pass
			25	21.36	-0.16	19.05	<=34.77	Pass
		50	0	21.47	-0.16	19.16	<=34.77	Pass
	680.5	1	0	22.29	-0.16	19.98	<=34.77	Pass
			25	22.11	-0.16	19.80	<=34.77	Pass
			49	21.85	-0.16	19.54	<=34.77	Pass
		25	0	21.23	-0.16	18.92	<=34.77	Pass
			13	21.21	-0.16	18.90	<=34.77	Pass
			25	21.09	-0.16	18.78	<=34.77	Pass
		50	0	21.09	-0.16	18.78	<=34.77	Pass
	693	1	0	22.00	-0.16	19.69	<=34.77	Pass

		25	25	21.69	-0.16	19.38	<=34.77	Pass	
			49	21.79	-0.16	19.48	<=34.77	Pass	
			25	0	21.13	-0.16	18.82	<=34.77	Pass
				13	21.41	-0.16	19.10	<=34.77	Pass
				25	21.02	-0.16	18.71	<=34.77	Pass
			50	0	21.06	-0.16	18.75	<=34.77	Pass
64QAM	668	1	0	21.55	-0.16	19.24	<=34.77	Pass	
			25	22.33	-0.16	20.02	<=34.77	Pass	
			49	21.63	-0.16	19.32	<=34.77	Pass	
		25	0	21.58	-0.16	19.27	<=34.77	Pass	
			13	21.56	-0.16	19.25	<=34.77	Pass	
			25	21.43	-0.16	19.12	<=34.77	Pass	
		50	0	21.35	-0.16	19.04	<=34.77	Pass	
		680.5	1	0	21.80	-0.16	19.49	<=34.77	Pass
				25	22.30	-0.16	19.99	<=34.77	Pass
	49			21.73	-0.16	19.42	<=34.77	Pass	
	25		0	21.35	-0.16	19.04	<=34.77	Pass	
			13	21.22	-0.16	18.91	<=34.77	Pass	
			25	21.24	-0.16	18.93	<=34.77	Pass	
	50		0	21.23	-0.16	18.92	<=34.77	Pass	
	693		1	0	21.80	-0.16	19.49	<=34.77	Pass
				25	22.03	-0.16	19.72	<=34.77	Pass
		49		21.56	-0.16	19.25	<=34.77	Pass	
		25	0	21.26	-0.16	18.95	<=34.77	Pass	
			13	21.27	-0.16	18.96	<=34.77	Pass	
			25	21.20	-0.16	18.89	<=34.77	Pass	
		50	0	21.25	-0.16	18.94	<=34.77	Pass	
		Note1: ERP=Conducted Power+Antenna Gain-2.15							

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	23.63	-0.16	21.32	<=34.77	Pass
			38	23.41	-0.16	21.10	<=34.77	Pass
			74	23.30	-0.16	20.99	<=34.77	Pass
		36	0	22.45	-0.16	20.14	<=34.77	Pass
			18	22.38	-0.16	20.07	<=34.77	Pass
			39	22.31	-0.16	20.00	<=34.77	Pass
		75	0	22.37	-0.16	20.06	<=34.77	Pass
	680.5	1	0	23.55	-0.16	21.24	<=34.77	Pass
			38	23.57	-0.16	21.26	<=34.77	Pass
			74	23.15	-0.16	20.84	<=34.77	Pass
		36	0	22.40	-0.16	20.09	<=34.77	Pass
			18	22.33	-0.16	20.02	<=34.77	Pass
			39	22.22	-0.16	19.91	<=34.77	Pass
		75	0	22.34	-0.16	20.03	<=34.77	Pass
	690.5	1	0	23.34	-0.16	21.03	<=34.77	Pass
			38	23.33	-0.16	21.02	<=34.77	Pass
			74	23.27	-0.16	20.96	<=34.77	Pass
		36	0	22.29	-0.16	19.98	<=34.77	Pass
			18	22.27	-0.16	19.96	<=34.77	Pass
			39	22.13	-0.16	19.82	<=34.77	Pass
		75	0	22.27	-0.16	19.96	<=34.77	Pass
16QAM	670.5	1	0	22.12	-0.16	19.81	<=34.77	Pass
			38	22.43	-0.16	20.12	<=34.77	Pass

			74	21.72	-0.16	19.41	<=34.77	Pass	
			36	0	21.27	-0.16	18.96	<=34.77	Pass
				18	21.27	-0.16	18.96	<=34.77	Pass
				39	21.26	-0.16	18.95	<=34.77	Pass
		75	0	21.26	-0.16	18.95	<=34.77	Pass	
		680.5	1	0	22.17	-0.16	19.86	<=34.77	Pass
				38	22.02	-0.16	19.71	<=34.77	Pass
				74	21.55	-0.16	19.24	<=34.77	Pass
	36		0	21.24	-0.16	18.93	<=34.77	Pass	
			18	21.16	-0.16	18.85	<=34.77	Pass	
			39	21.05	-0.16	18.74	<=34.77	Pass	
	75		0	21.27	-0.16	18.96	<=34.77	Pass	
	690.5		1	0	21.80	-0.16	19.49	<=34.77	Pass
		38		21.90	-0.16	19.59	<=34.77	Pass	
		74		21.67	-0.16	19.36	<=34.77	Pass	
		36	0	21.10	-0.16	18.79	<=34.77	Pass	
			18	21.12	-0.16	18.81	<=34.77	Pass	
			39	20.99	-0.16	18.68	<=34.77	Pass	
		75	0	21.13	-0.16	18.82	<=34.77	Pass	

64QAM	670.5	1	0	22.58	-0.16	20.27	<=34.77	Pass	
			38	22.35	-0.16	20.04	<=34.77	Pass	
			74	21.72	-0.16	19.41	<=34.77	Pass	
		36	0	21.33	-0.16	19.02	<=34.77	Pass	
			18	21.39	-0.16	19.08	<=34.77	Pass	
			39	21.26	-0.16	18.95	<=34.77	Pass	
		75	0	21.34	-0.16	19.03	<=34.77	Pass	
		680.5	1	0	21.60	-0.16	19.29	<=34.77	Pass
				38	21.78	-0.16	19.47	<=34.77	Pass
				74	21.40	-0.16	19.09	<=34.77	Pass
			36	0	21.24	-0.16	18.93	<=34.77	Pass
				18	21.18	-0.16	18.87	<=34.77	Pass
	39			21.13	-0.16	18.82	<=34.77	Pass	
	75		0	21.27	-0.16	18.96	<=34.77	Pass	
	690.5		1	0	21.81	-0.16	19.50	<=34.77	Pass
		38		21.74	-0.16	19.43	<=34.77	Pass	
		74		21.51	-0.16	19.20	<=34.77	Pass	
		36	0	21.41	-0.16	19.10	<=34.77	Pass	
			18	21.22	-0.16	18.91	<=34.77	Pass	
			39	21.16	-0.16	18.85	<=34.77	Pass	
		75	0	21.22	-0.16	18.91	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	23.26	-0.16	20.95	<=34.77	Pass
			50	23.71	-0.16	21.40	<=34.77	Pass
			99	23.03	-0.16	20.72	<=34.77	Pass
		50	0	22.41	-0.16	20.10	<=34.77	Pass
			25	22.30	-0.16	19.99	<=34.77	Pass
			50	22.24	-0.16	19.93	<=34.77	Pass
		100	0	22.35	-0.16	20.04	<=34.77	Pass
	683	1	0	23.28	-0.16	20.97	<=34.77	Pass
			50	23.54	-0.16	21.23	<=34.77	Pass
			99	22.97	-0.16	20.66	<=34.77	Pass

		50	0	22.30	-0.16	19.99	<=34.77	Pass		
			25	22.28	-0.16	19.97	<=34.77	Pass		
			50	22.12	-0.16	19.81	<=34.77	Pass		
		100	0	22.22	-0.16	19.91	<=34.77	Pass		
			1	0	23.29	-0.16	20.98	<=34.77	Pass	
				50	23.50	-0.16	21.19	<=34.77	Pass	
		99		22.86	-0.16	20.55	<=34.77	Pass		
		50	0	22.14	-0.16	19.83	<=34.77	Pass		
			25	22.17	-0.16	19.86	<=34.77	Pass		
	50		22.02	-0.16	19.71	<=34.77	Pass			
	100	0	22.24	-0.16	19.93	<=34.77	Pass			
	16QAM	673	1	0	21.91	-0.16	19.60	<=34.77	Pass	
50				22.09	-0.16	19.78	<=34.77	Pass		
99				21.54	-0.16	19.23	<=34.77	Pass		
50			0	21.32	-0.16	19.01	<=34.77	Pass		
			25	21.36	-0.16	19.05	<=34.77	Pass		
			50	21.11	-0.16	18.80	<=34.77	Pass		
100			0	21.21	-0.16	18.90	<=34.77	Pass		
683			1	0	21.75	-0.16	19.44	<=34.77	Pass	
				50	22.18	-0.16	19.87	<=34.77	Pass	
		99		21.50	-0.16	19.19	<=34.77	Pass		
		50	0	21.28	-0.16	18.97	<=34.77	Pass		
			25	21.25	-0.16	18.94	<=34.77	Pass		
			50	21.07	-0.16	18.76	<=34.77	Pass		
		100	0	21.21	-0.16	18.90	<=34.77	Pass		
		688	1	0	21.80	-0.16	19.49	<=34.77	Pass	
				50	22.16	-0.16	19.85	<=34.77	Pass	
99				21.38	-0.16	19.07	<=34.77	Pass		
50			0	21.22	-0.16	18.91	<=34.77	Pass		
			25	21.29	-0.16	18.98	<=34.77	Pass		
			50	20.93	-0.16	18.62	<=34.77	Pass		
100			0	21.12	-0.16	18.81	<=34.77	Pass		
64QAM			673	1	0	21.59	-0.16	19.28	<=34.77	Pass
					50	22.30	-0.16	19.99	<=34.77	Pass
		99			21.55	-0.16	19.24	<=34.77	Pass	
		50		0	21.24	-0.16	18.93	<=34.77	Pass	
				25	21.28	-0.16	18.97	<=34.77	Pass	
				50	21.16	-0.16	18.85	<=34.77	Pass	
	100	0		21.19	-0.16	18.88	<=34.77	Pass		
	683	1		0	20.99	-0.16	18.68	<=34.77	Pass	
				50	22.15	-0.16	19.84	<=34.77	Pass	
			99	20.94	-0.16	18.63	<=34.77	Pass		
		50	0	21.22	-0.16	18.91	<=34.77	Pass		
			25	21.33	-0.16	19.02	<=34.77	Pass		
			50	21.02	-0.16	18.71	<=34.77	Pass		
	100	0	21.19	-0.16	18.88	<=34.77	Pass			
	688	1	0	21.55	-0.16	19.24	<=34.77	Pass		
			50	21.84	-0.16	19.53	<=34.77	Pass		
			99	21.34	-0.16	19.03	<=34.77	Pass		
		50	0	21.18	-0.16	18.87	<=34.77	Pass		
			25	21.27	-0.16	18.96	<=34.77	Pass		
			50	21.13	-0.16	18.82	<=34.77	Pass		
		100	0	21.02	-0.16	18.71	<=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	-1.200	-0.0018	-2.5 to 2.5	Pass
					NV	-0.100	-0.0001	-2.5 to 2.5	Pass
					HV	-2.900	-0.0043	-2.5 to 2.5	Pass
				-30	NV	0.500	0.0007	-2.5 to 2.5	Pass
				-20	NV	0.700	0.0010	-2.5 to 2.5	Pass
				-10	NV	0.300	0.0004	-2.5 to 2.5	Pass
				0	NV	-1.200	-0.0018	-2.5 to 2.5	Pass
				10	NV	-2.000	-0.0029	-2.5 to 2.5	Pass
				30	NV	0.200	0.0003	-2.5 to 2.5	Pass
				40	NV	-3.000	-0.0044	-2.5 to 2.5	Pass
				50	NV	-1.800	-0.0026	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band71_OBW

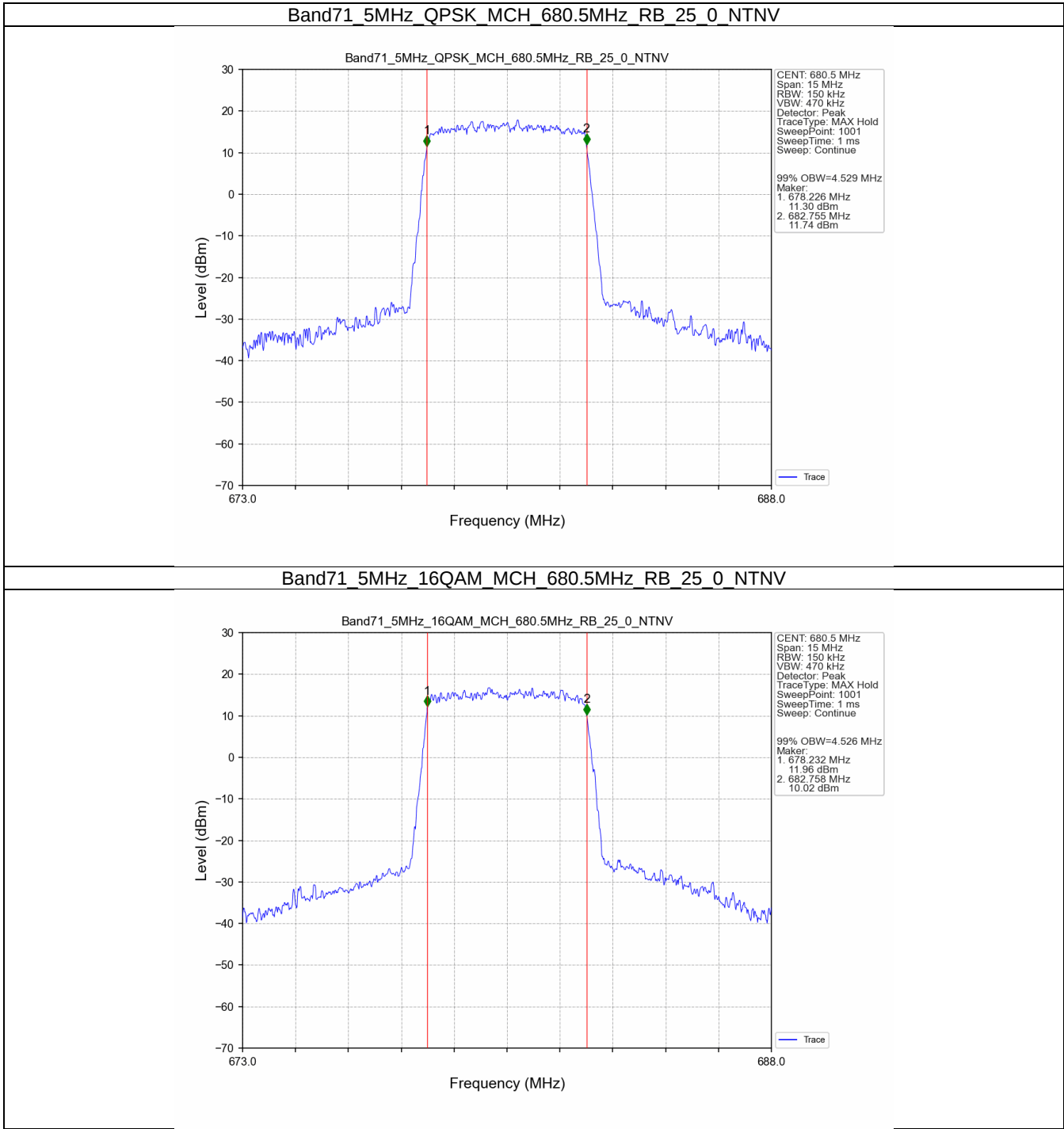
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	4.529	/	Pass
	16QAM	680.5	25	0	4.526	/	Pass
10	QPSK	680.5	50	0	9.056	/	Pass
	16QAM	680.5	50	0	8.995	/	Pass
15	QPSK	680.5	75	0	13.481	/	Pass
	16QAM	680.5	75	0	13.501	/	Pass
20	QPSK	683	100	0	17.949	/	Pass
	16QAM	683	100	0	17.985	/	Pass

3.1.2 Band71_XDB

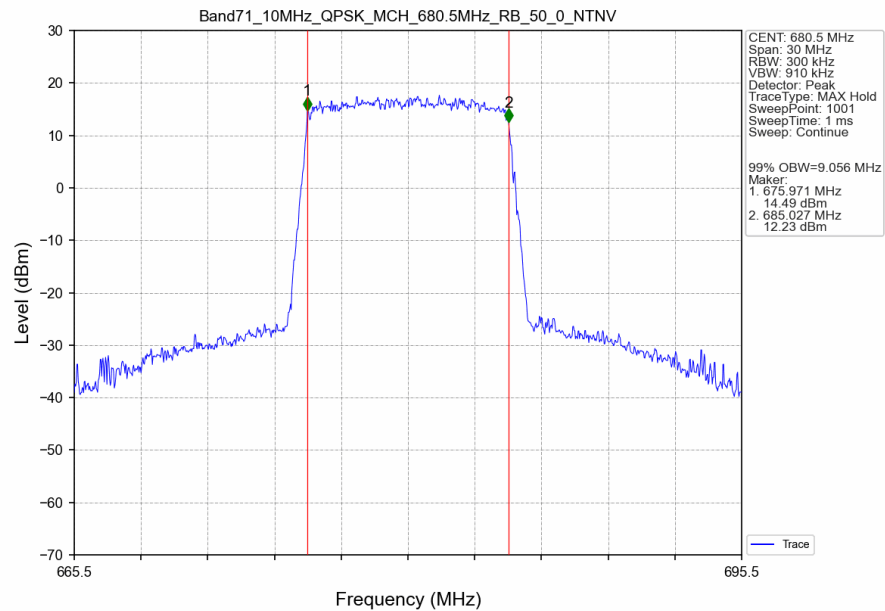
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	5.031	/	Pass
	16QAM	680.5	25	0	5.051	/	Pass
10	QPSK	680.5	50	0	10.043	/	Pass
	16QAM	680.5	50	0	9.989	/	Pass
15	QPSK	680.5	75	0	14.835	/	Pass
	16QAM	680.5	75	0	14.938	/	Pass
20	QPSK	683	100	0	19.648	/	Pass
	16QAM	683	100	0	19.586	/	Pass

3.2 Test Graph

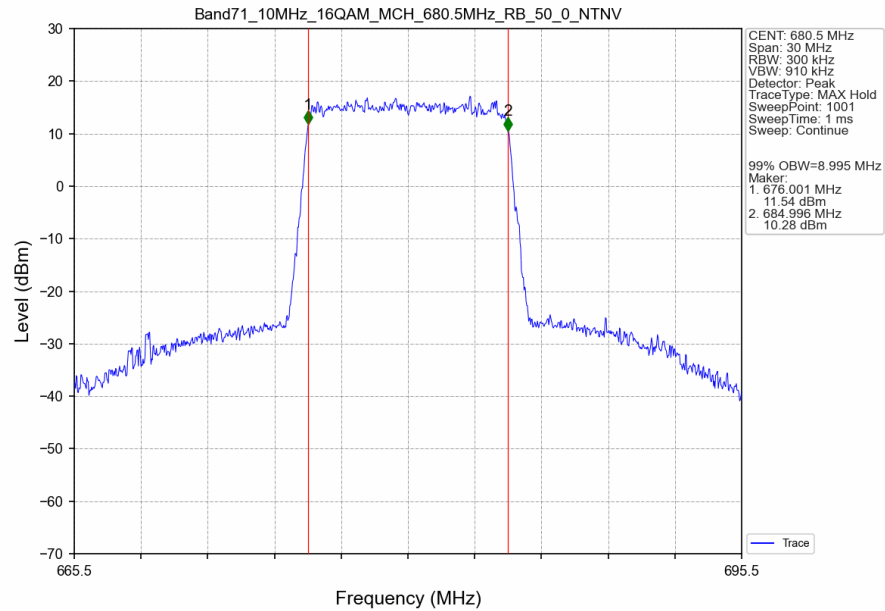
3.2.1 Band71_OBW



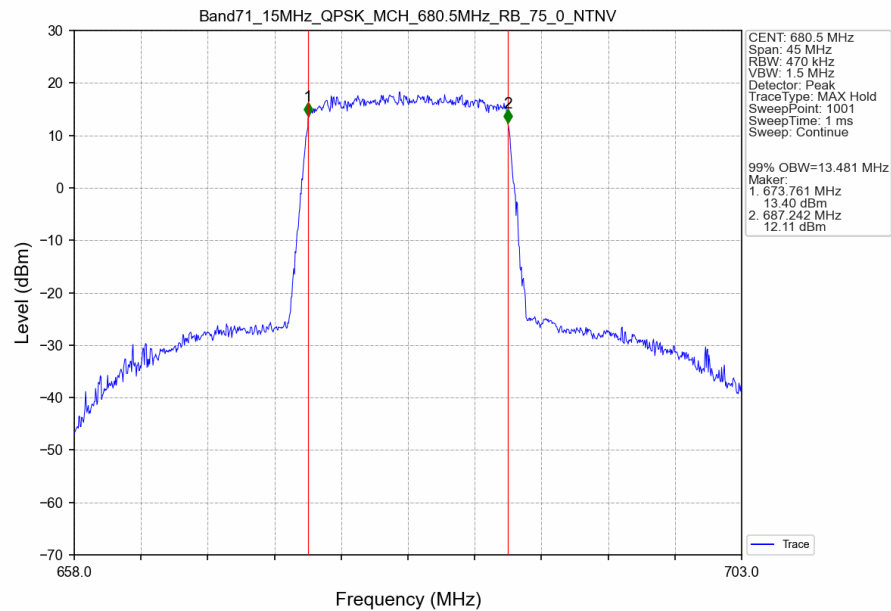
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV



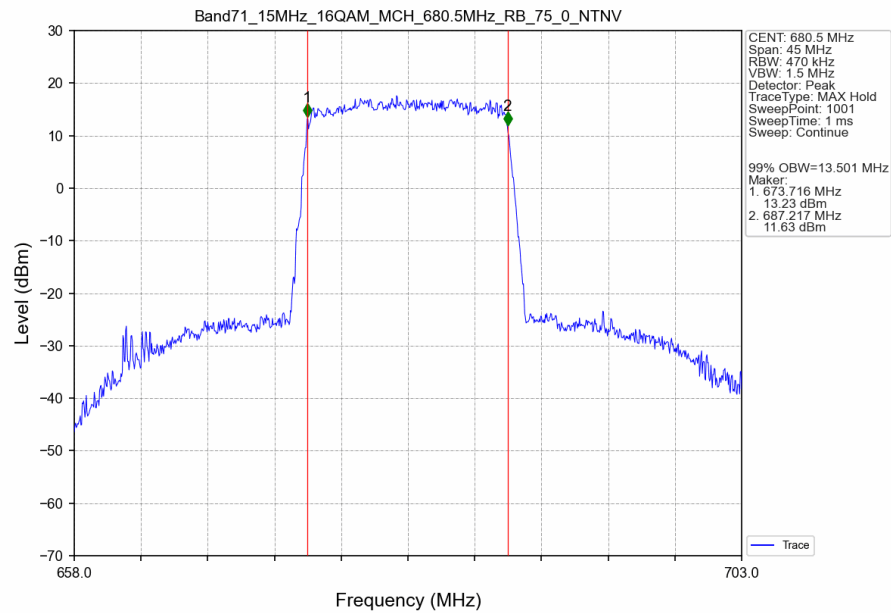
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTV



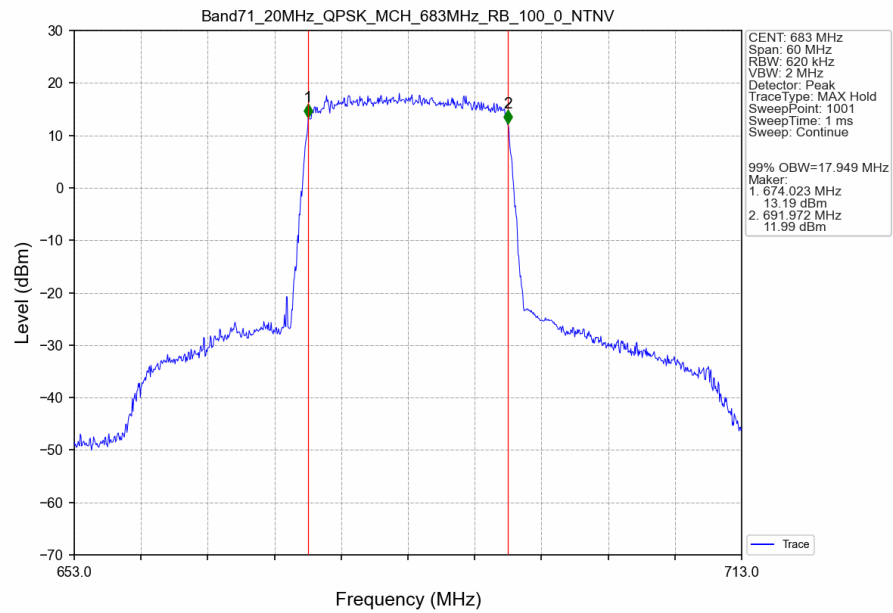
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



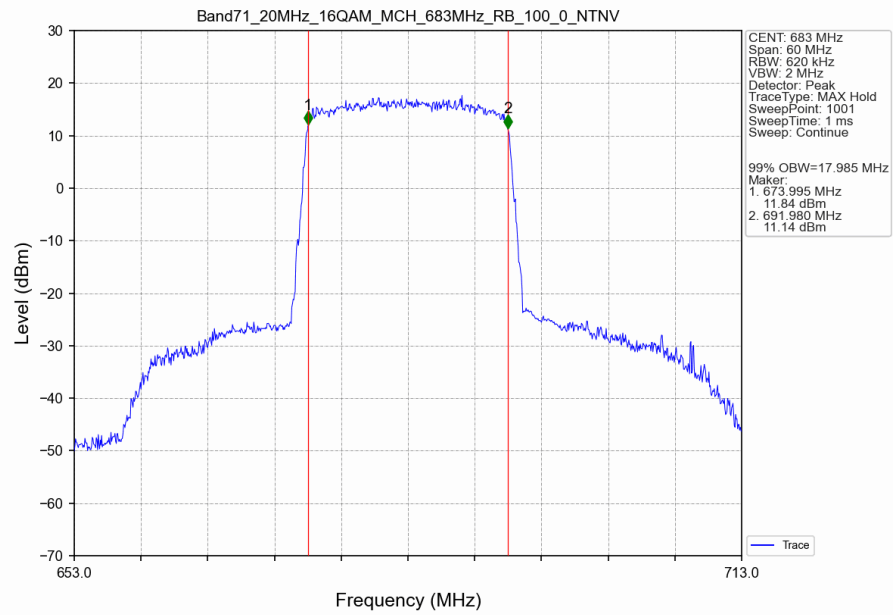
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTNV



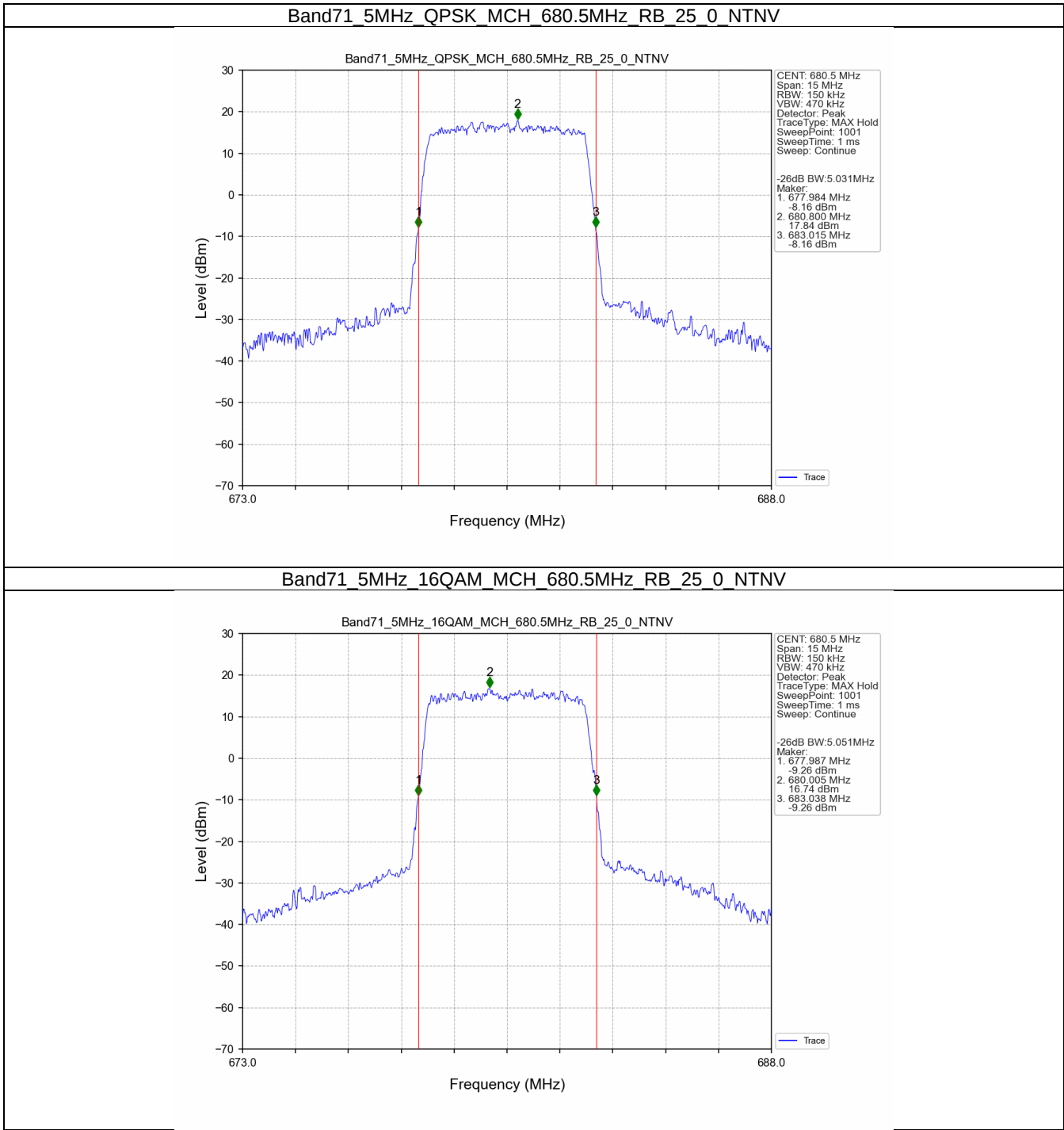
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



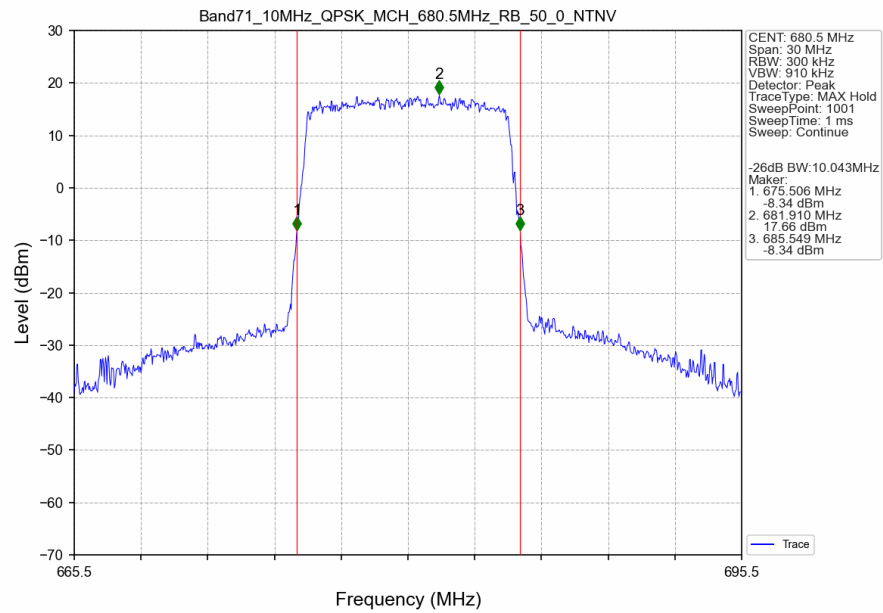
Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



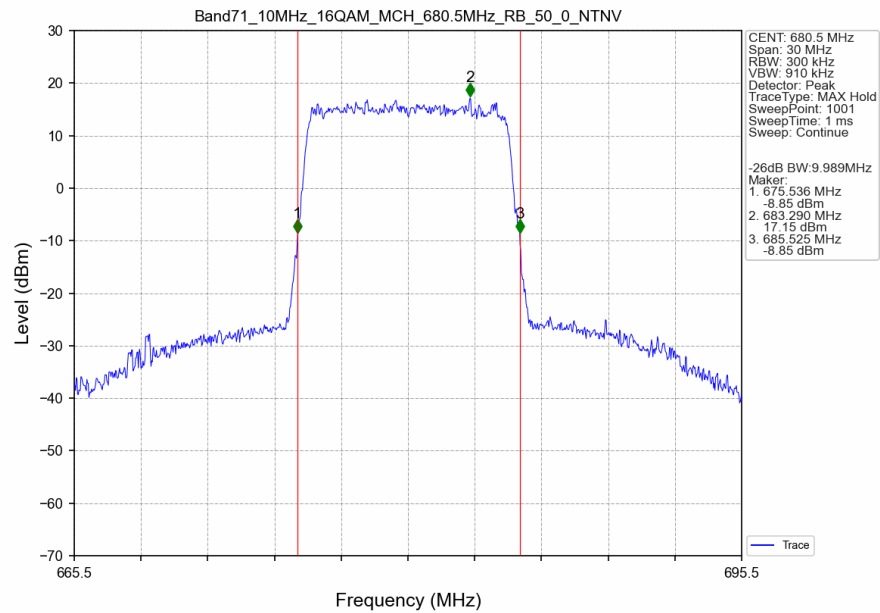
3.2.2 Band71_XDB



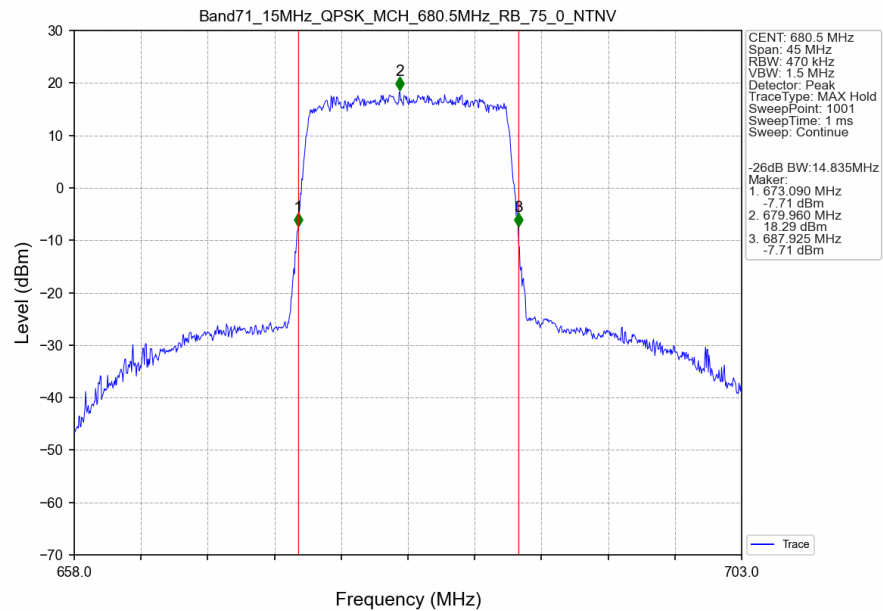
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV



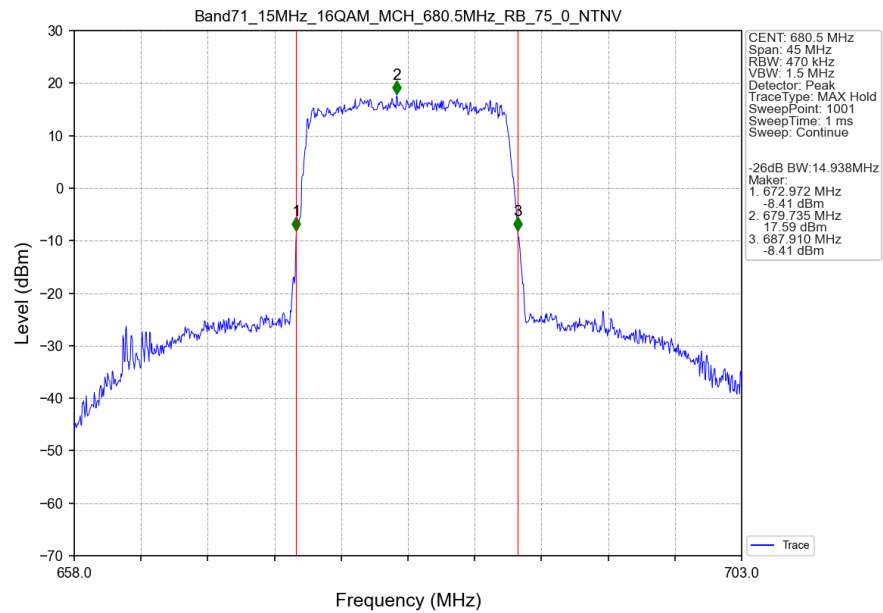
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTV



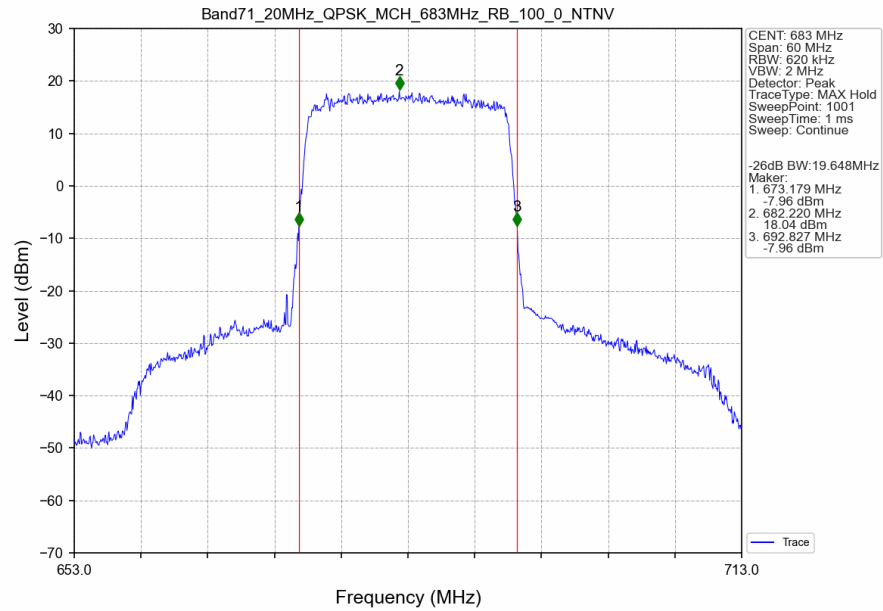
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTV



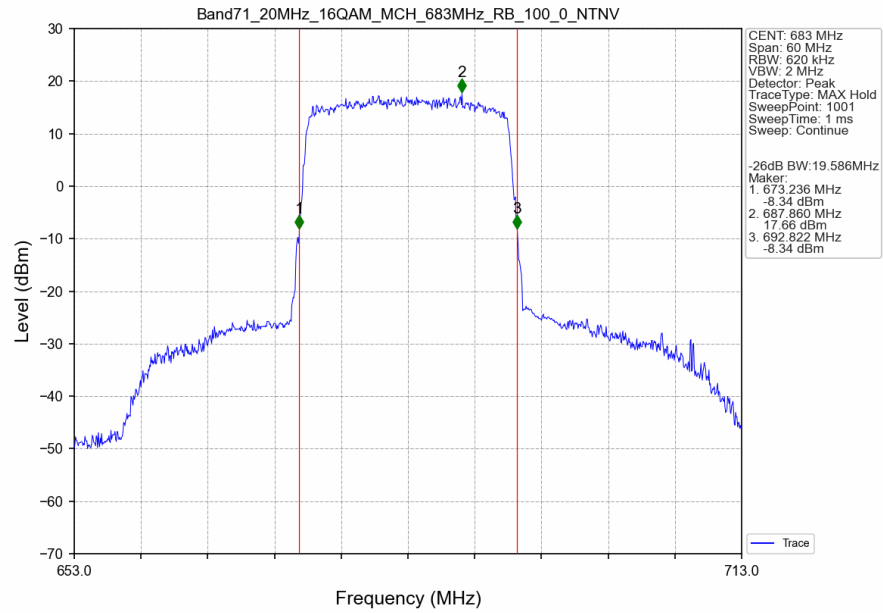
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTV



Band71 20MHz QPSK MCH 683MHz RB 100 0 NTN



Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTN



4. Peak-Average Ratio

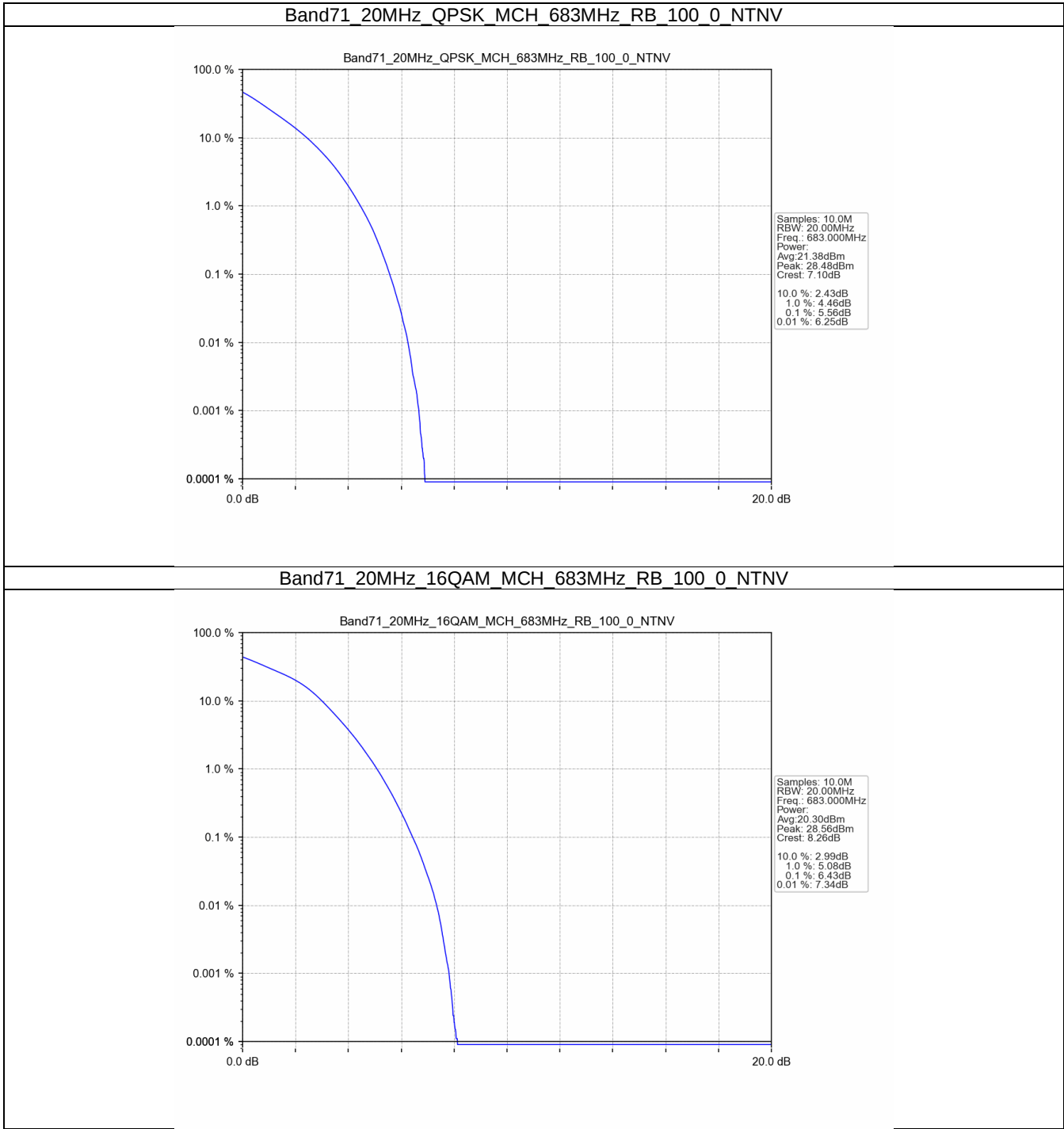
4.1 Test Result

4.1.1 B71_20MHz

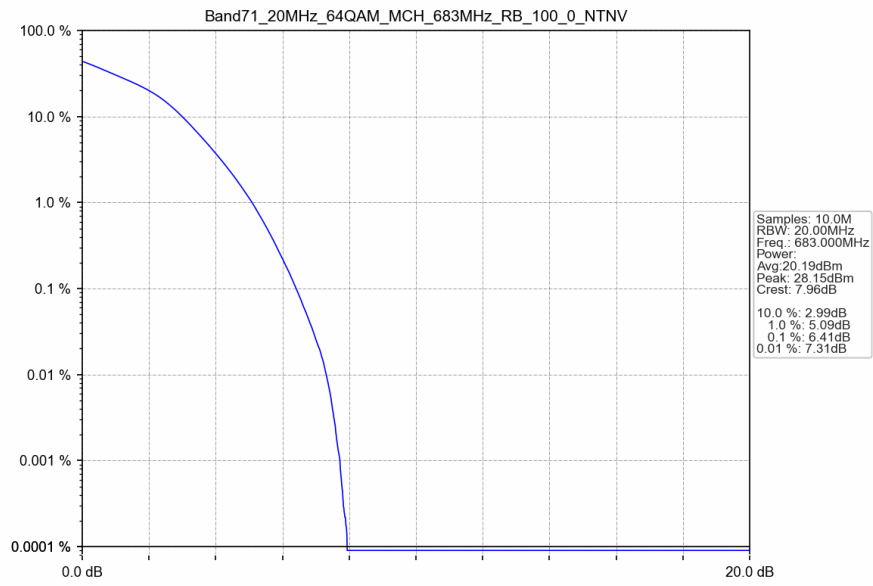
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	5.56	<=13	Pass
16QAM	683	100	0	6.43	<=13	Pass
64QAM	683	100	0	6.41	<=13	Pass

4.2 Test Graph

4.2.1 B71_20MHz



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

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTV						
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

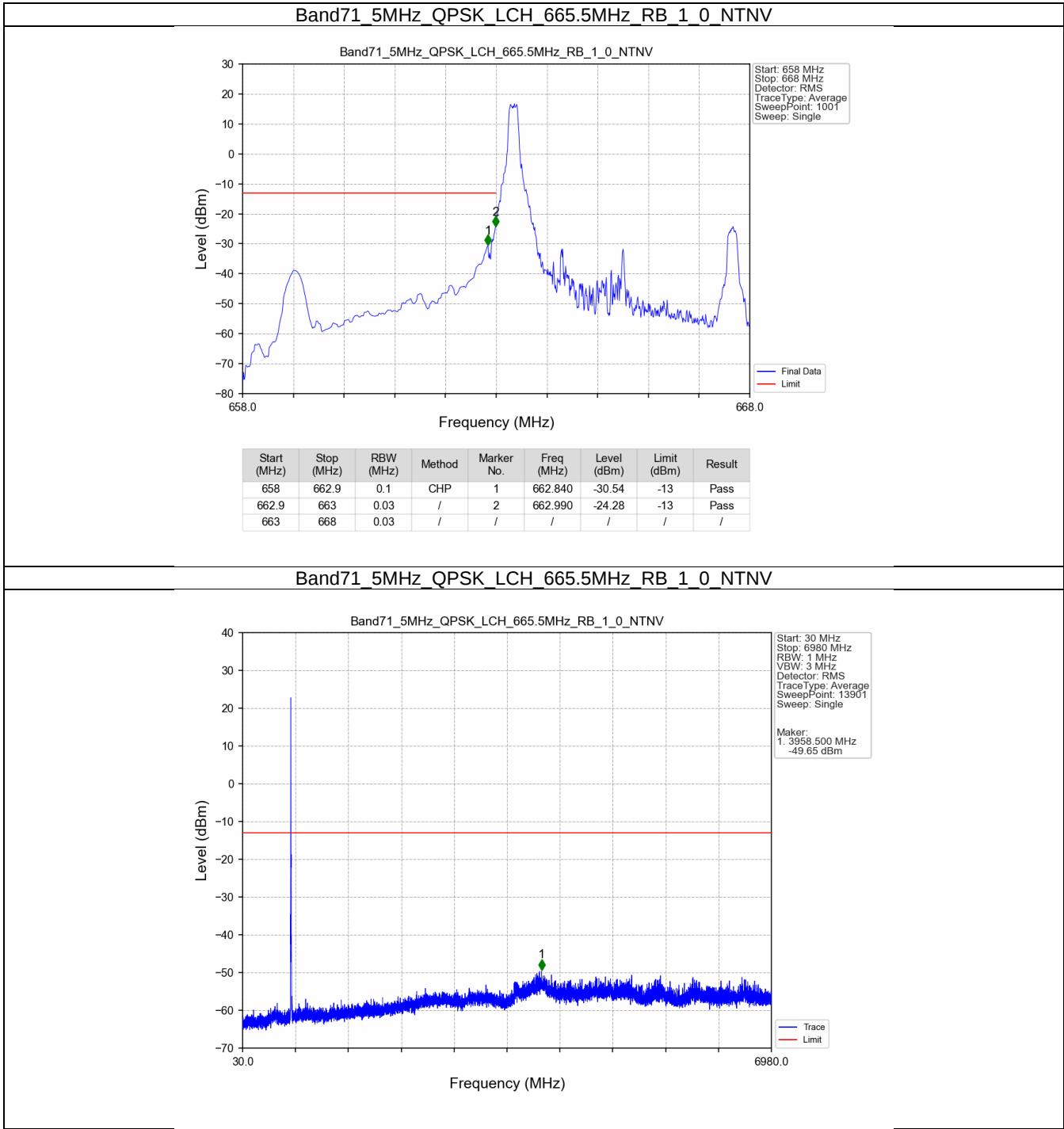
Band: 71 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test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

5.1.4 B71_20MHz

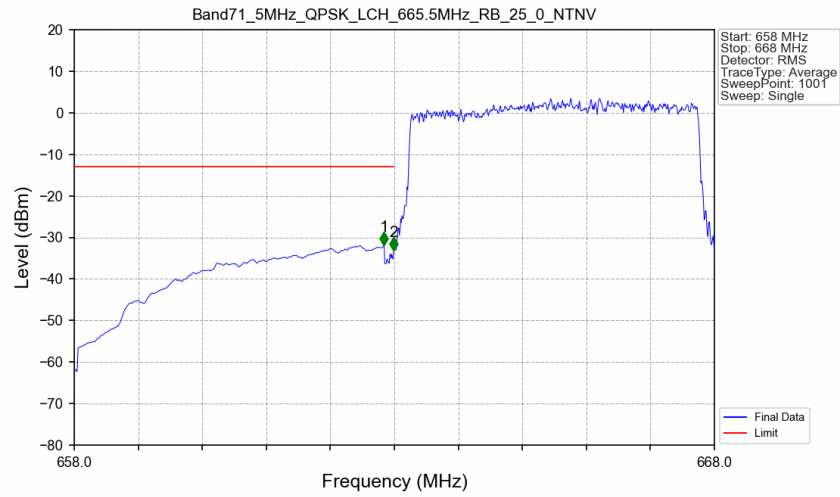
Band: 71 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

5.2.1 B71_5MHz

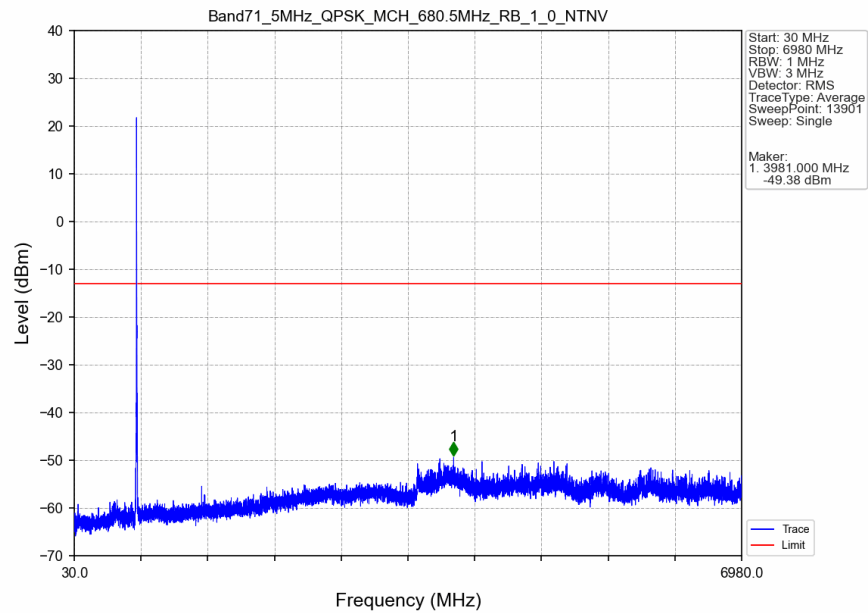


Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV

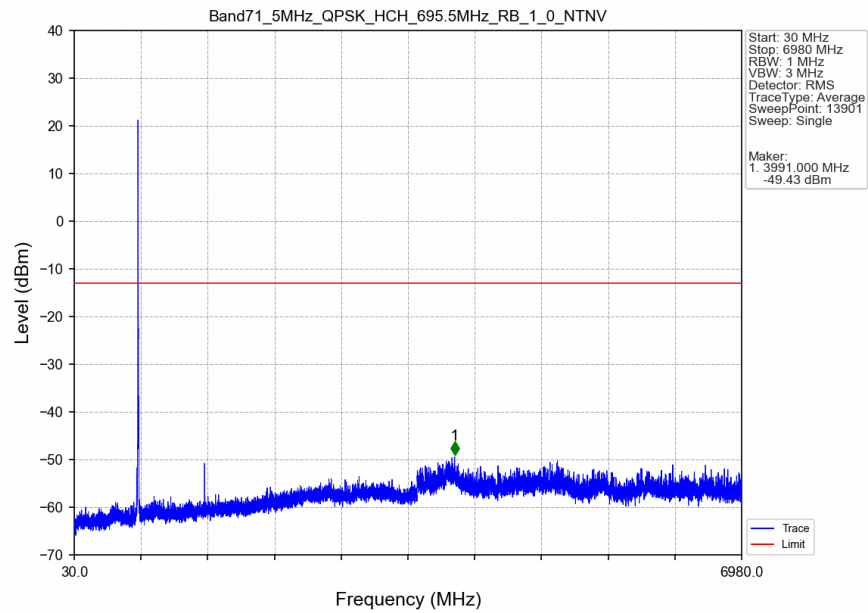


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-31.93	-13	Pass
662.9	663	0.03	/	2	662.990	-33.05	-13	Pass
663	668	0.03	/	/	/	/	/	/

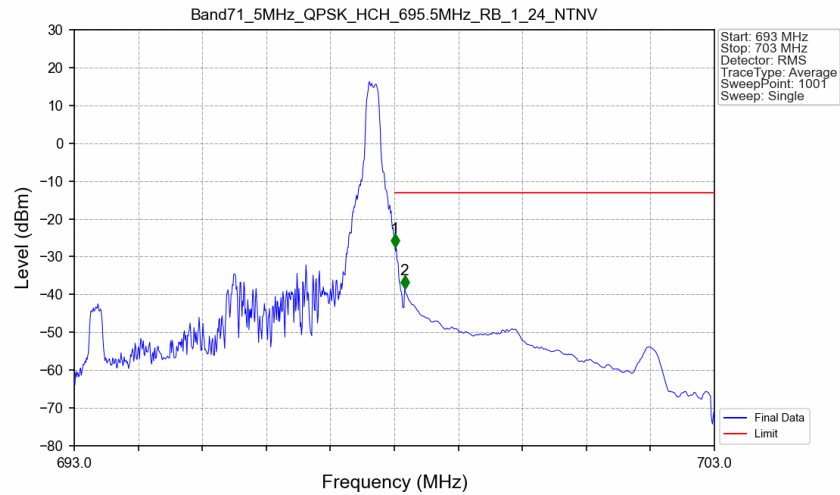
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTV

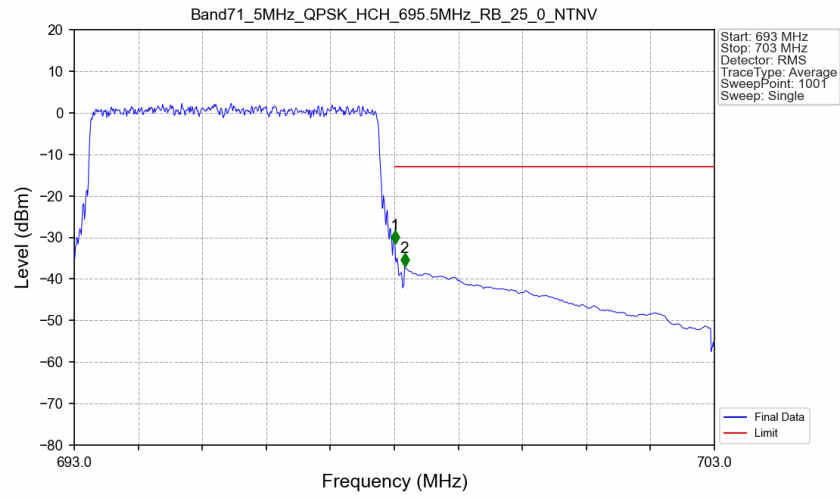


Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTV



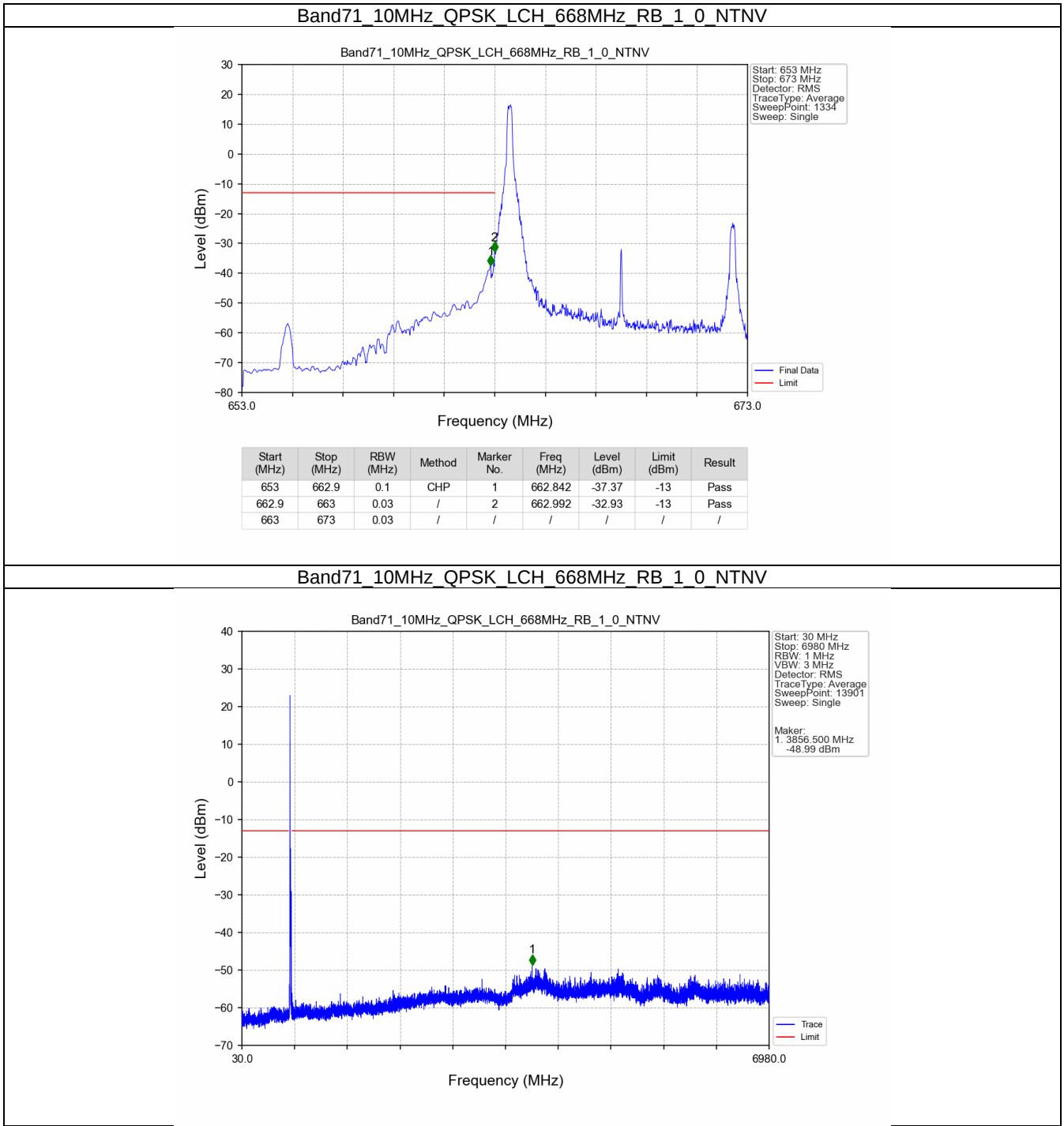
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.010	-27.39	-13	Pass
698.1	703	0.1	CHP	2	698.160	-38.50	-13	Pass

Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV

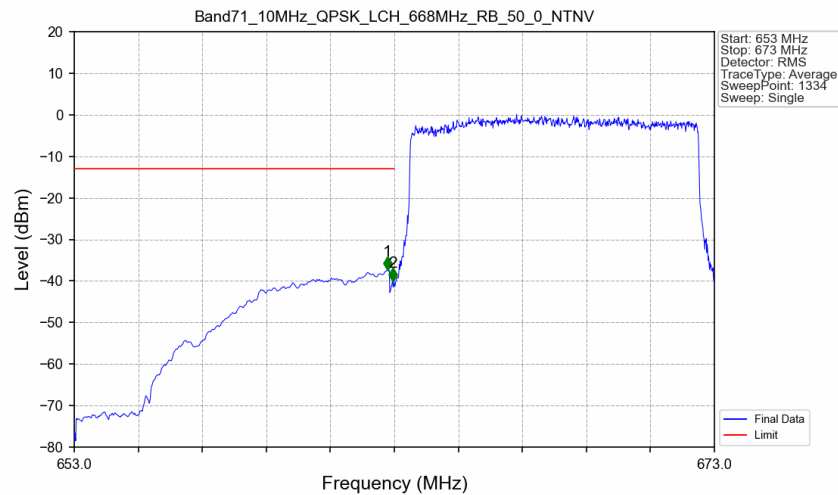


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.010	-31.42	-13	Pass
698.1	703	0.1	CHP	2	698.160	-37.02	-13	Pass

5.2.2 B71_10MHz

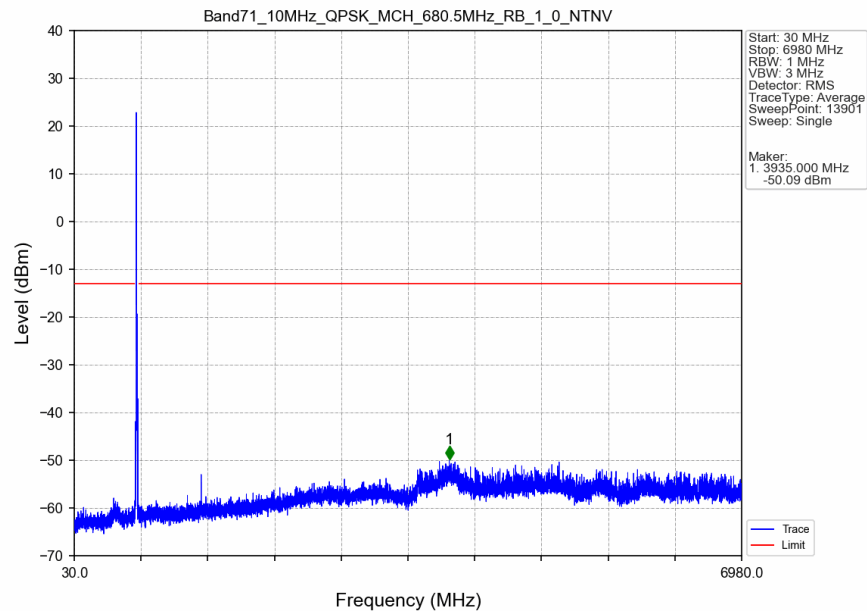


Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV

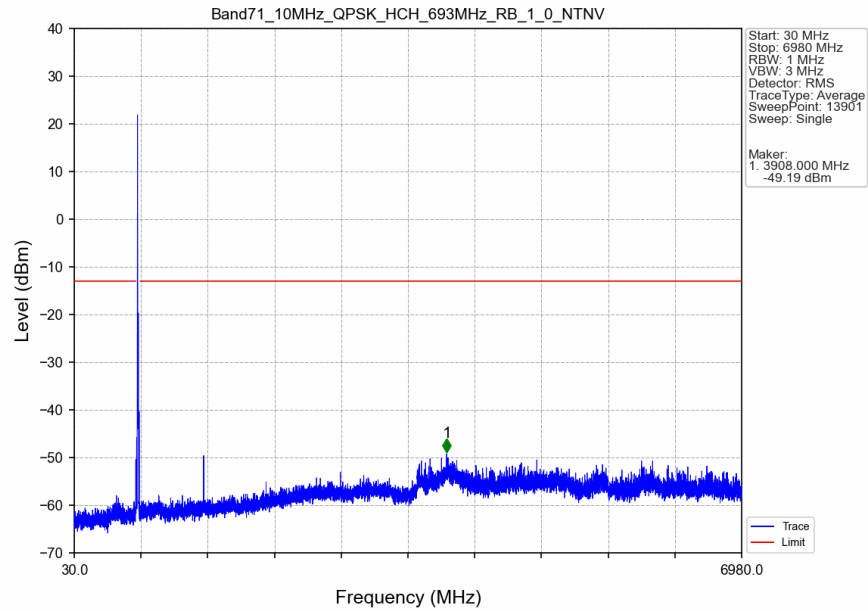


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.782	-37.37	-13	Pass
662.9	663	0.03	/	2	662.947	-40.11	-13	Pass
663	673	0.03	/	/	/	/	/	/

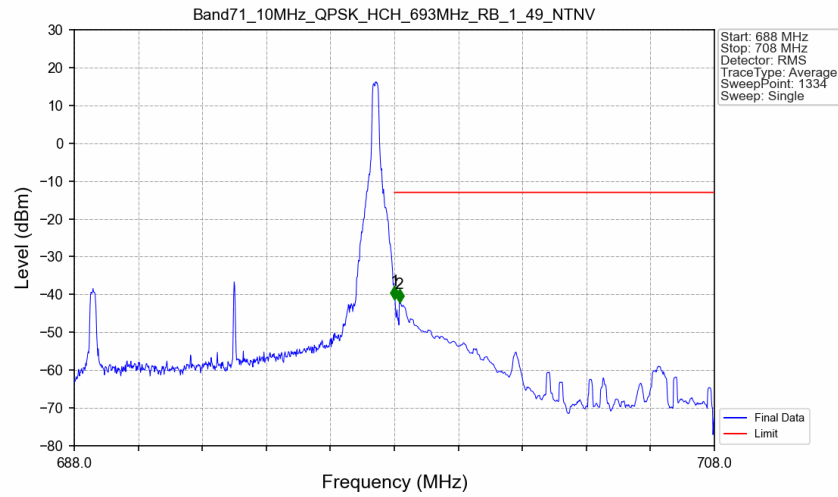
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV

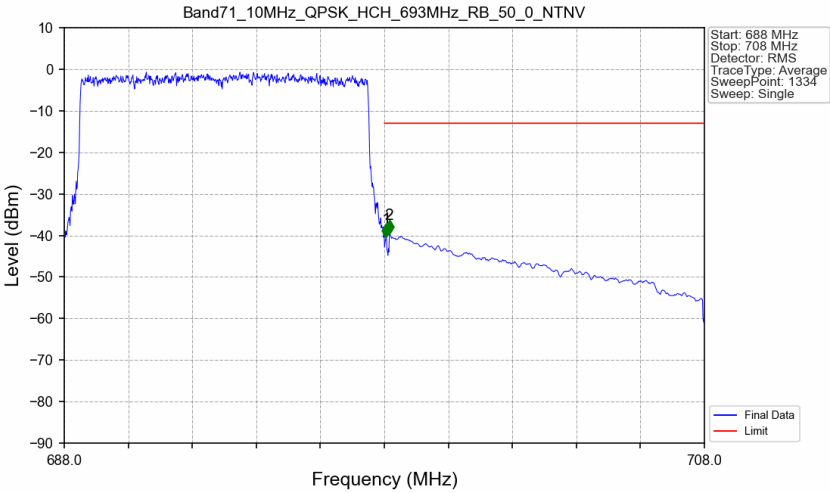


Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



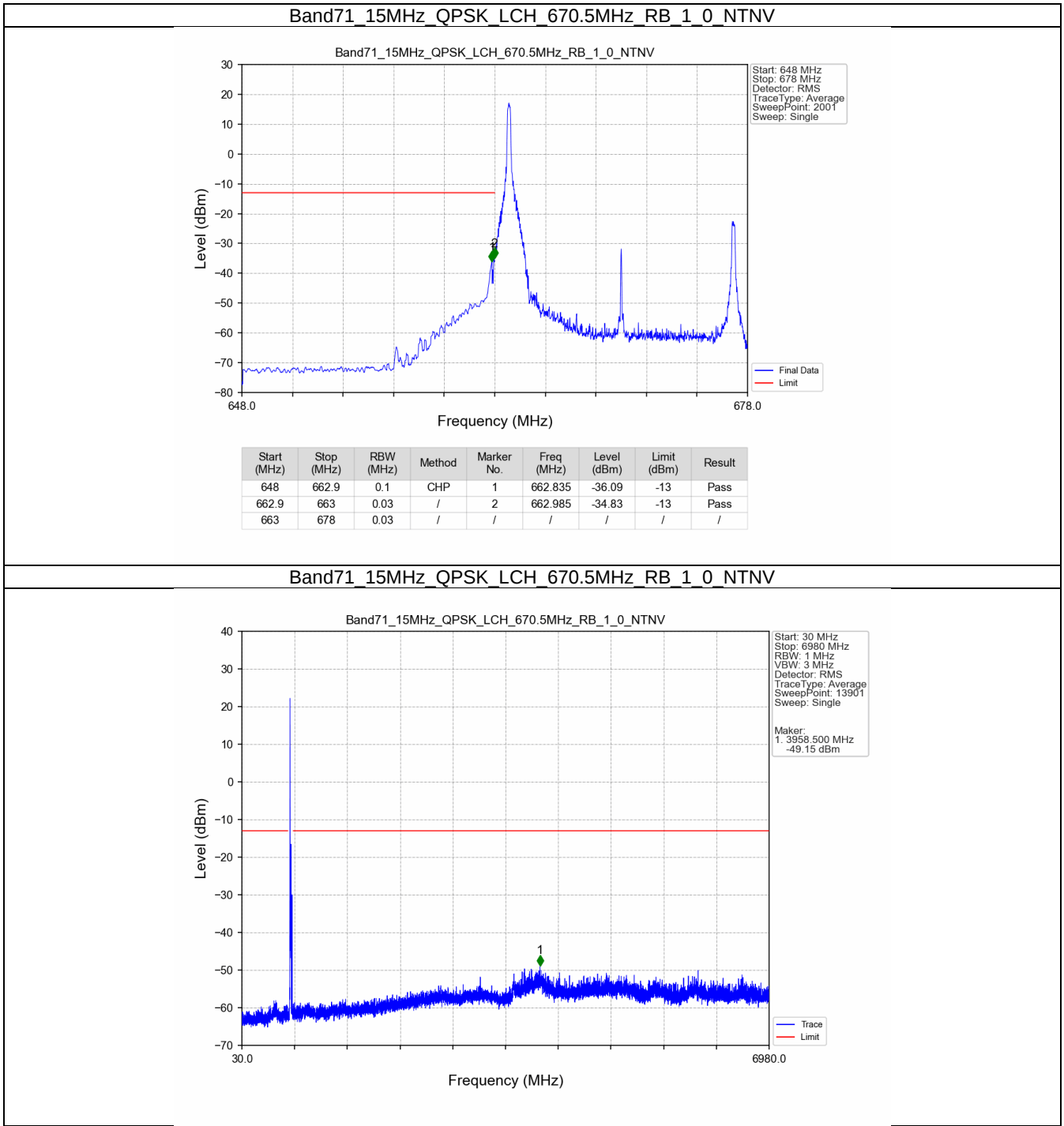
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-41.28	-13	Pass
698.1	708	0.1	CHP	2	698.158	-42.10	-13	Pass

Band71 10MHz QPSK HCH 693MHz RB 50 0 NTV

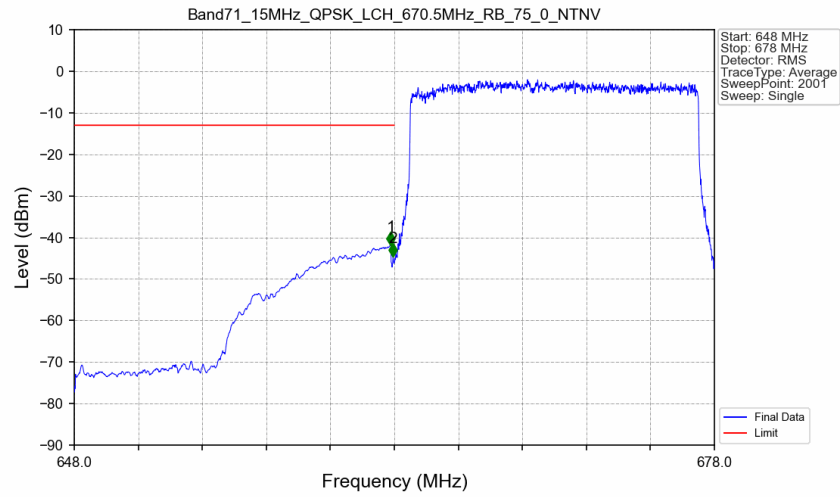


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.053	-40.37	-13	Pass
698.1	708	0.1	CHP	2	698.158	-39.49	-13	Pass

5.2.3 B71_15MHz

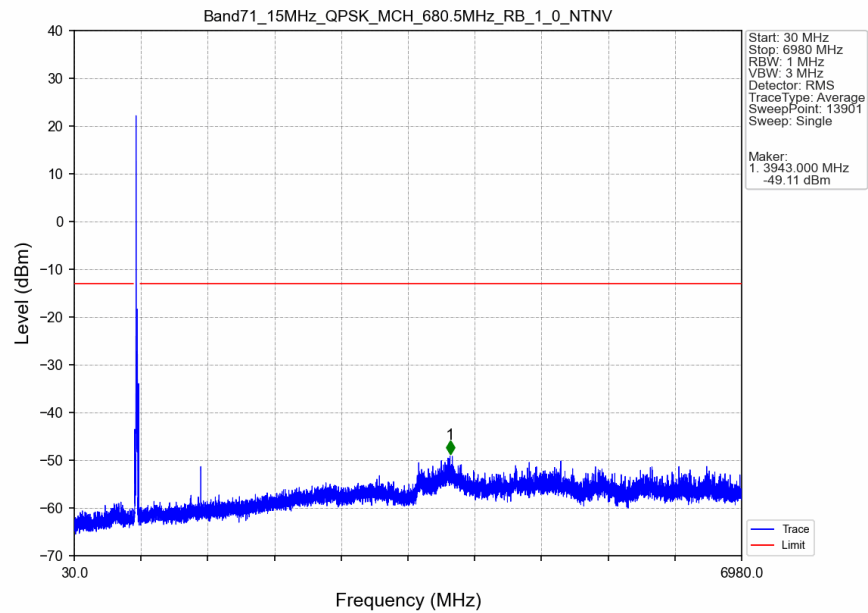


Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV

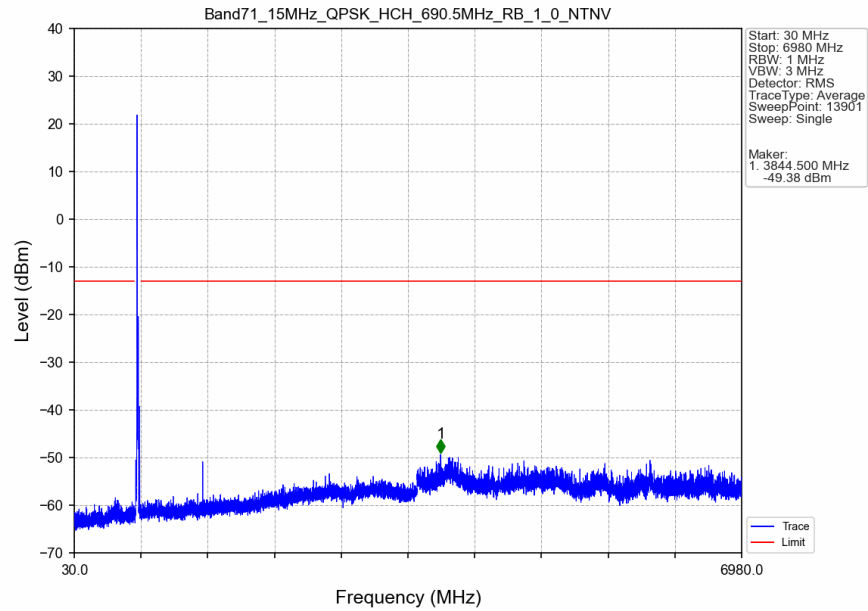


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-41.81	-13	Pass
662.9	663	0.03	/	2	662.940	-44.55	-13	Pass
663	678	0.03	/	/	/	/	/	/

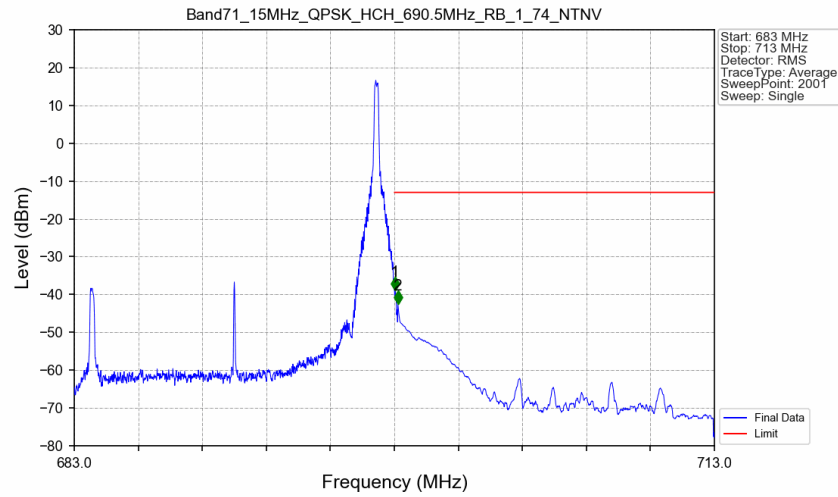
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTV



Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTV

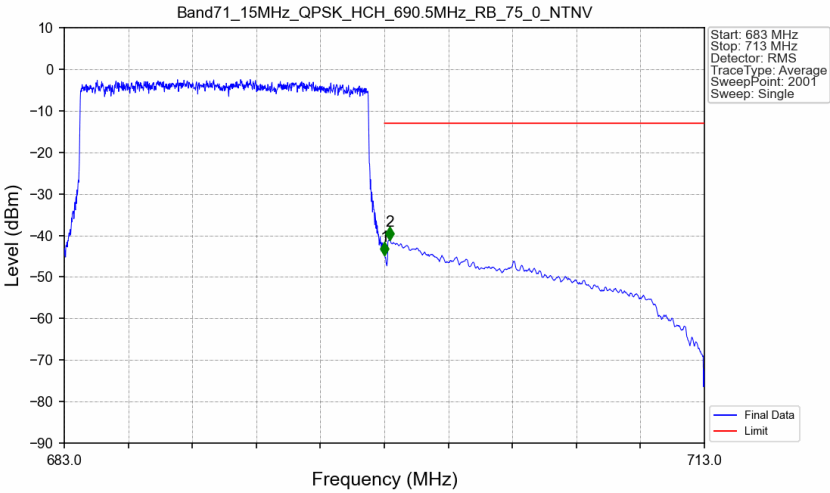


Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



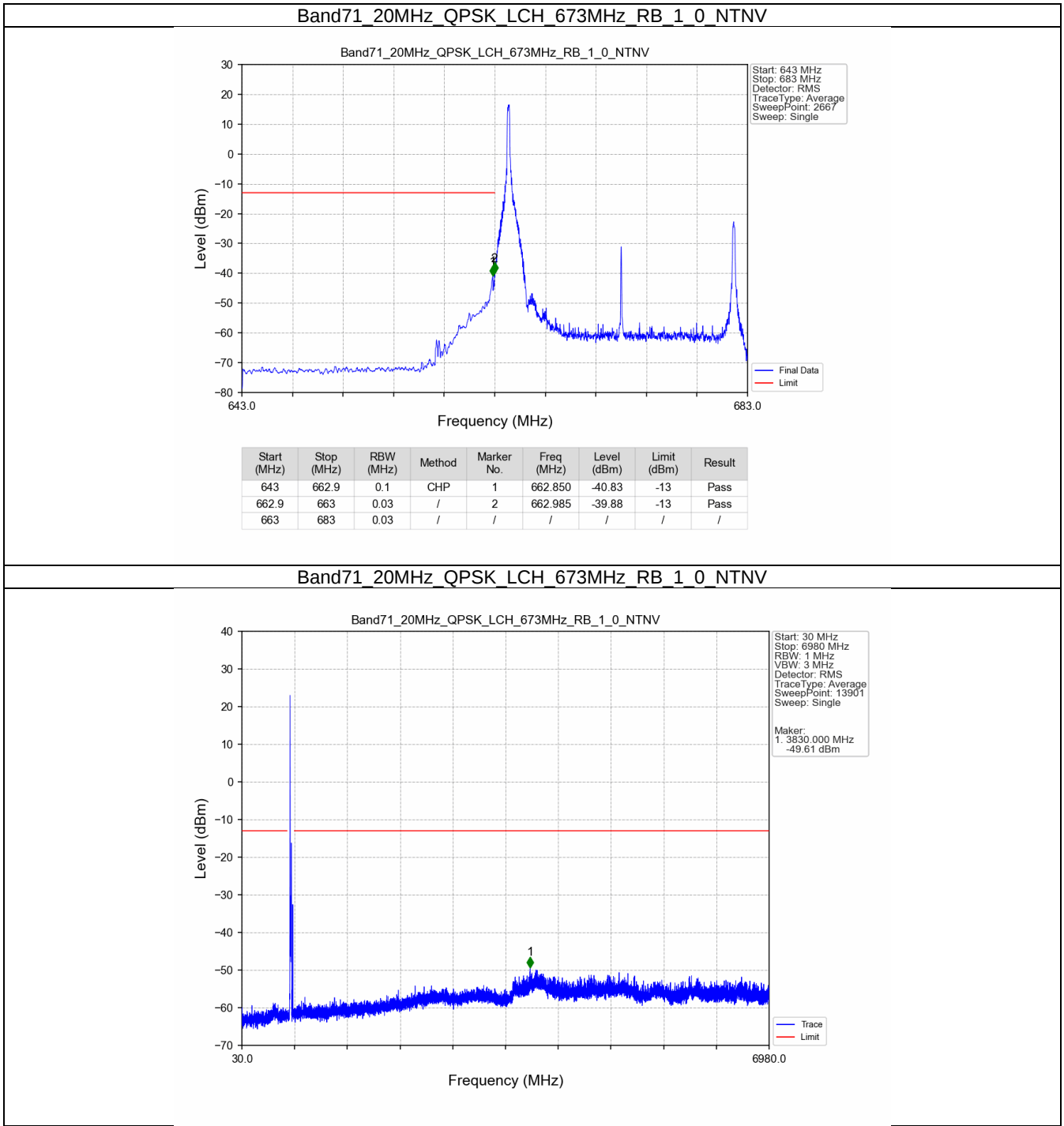
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-38.85	-13	Pass
698.1	713	0.1	CHP	2	698.165	-42.40	-13	Pass

Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV

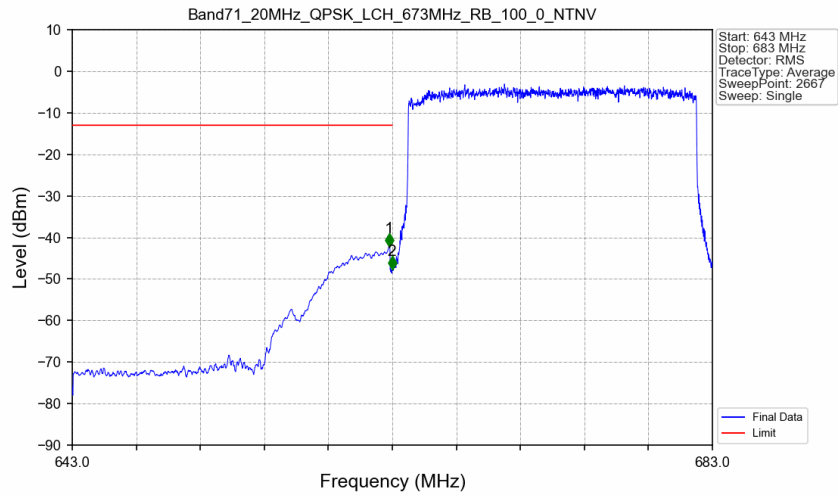


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-44.80	-13	Pass
698.1	713	0.1	CHP	2	698.255	-41.08	-13	Pass

5.2.4 B71_20MHz

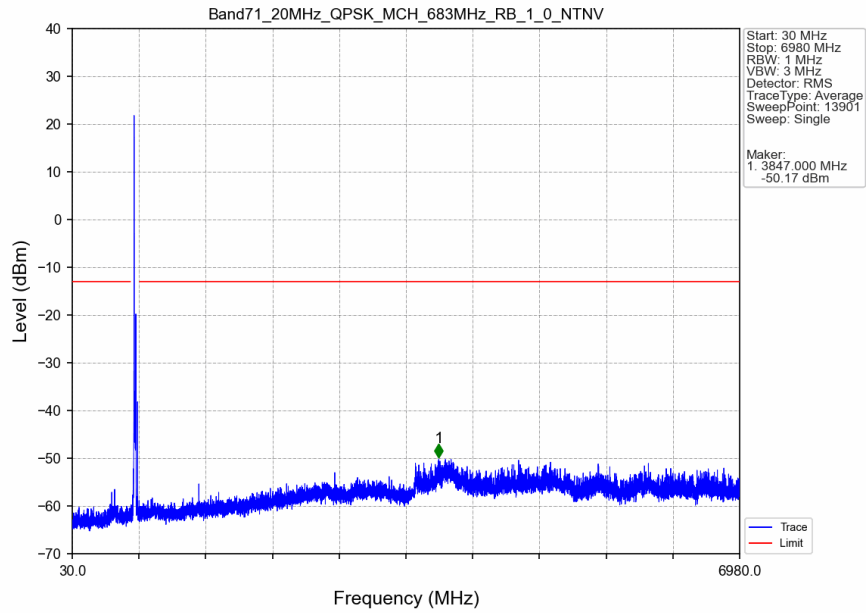


Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV

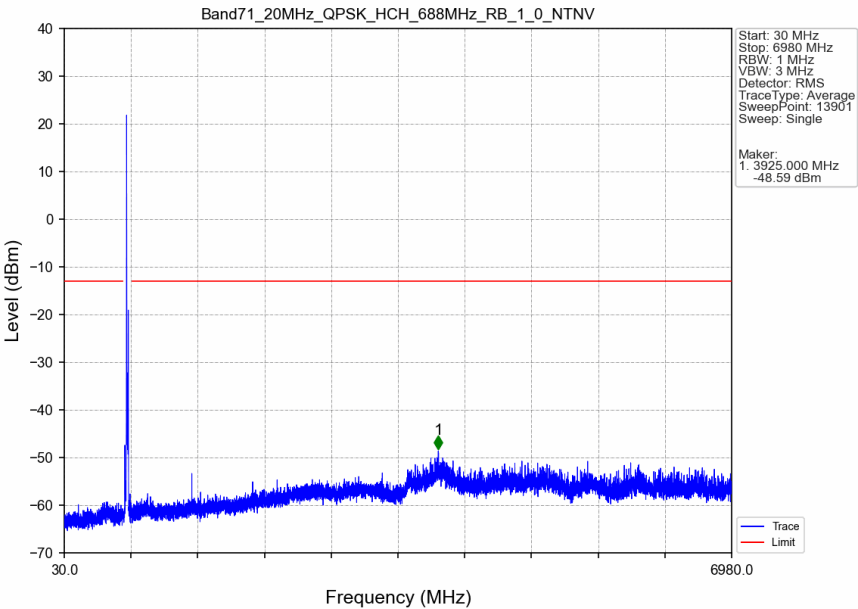


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.805	-42.26	-13	Pass
662.9	663	0.03	/	2	662.985	-47.61	-13	Pass
663	683	0.03	/	/	/	/	/	/

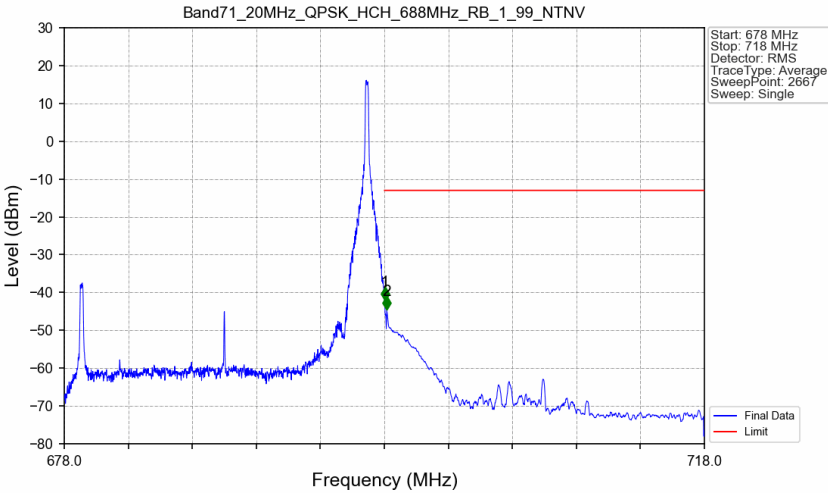
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV

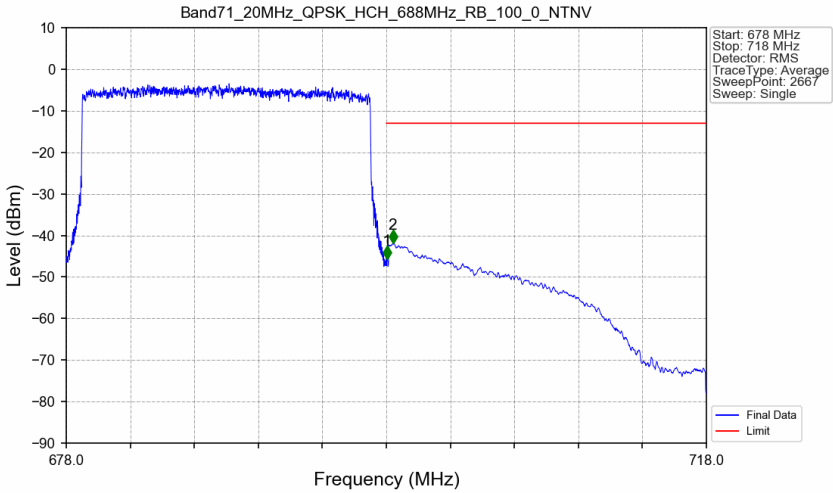


Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV



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	-42.07	-13	Pass
698.1	718	0.1	CHP	2	698.150	-44.55	-13	Pass

Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-45.65	-13	Pass
698.1	718	0.1	CHP	2	698.405	-41.94	-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	-49.22	-13	-36.22	-51.61	2.4	4.79	Horizontal	Pass
1992.0	-66.73	-13	-53.73	-68.65	2.72	4.64	Horizontal	Pass
2656.0	-68.3	-13	-55.3	-71.36	3.1	6.16	Horizontal	Pass
1328.0	-50.26	-13	-37.26	-52.65	2.4	4.79	Vertical	Pass
1992.0	-65.24	-13	-52.24	-67.16	2.72	4.64	Vertical	Pass
2656.0	-67.58	-13	-54.58	-70.64	3.1	6.16	Vertical	Pass

LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1346.929	-50.91	-13	-37.91	-53.4	2.42	4.91	Horizontal	Pass
2022.0	-65.85	-13	-52.85	-67.78	2.74	4.67	Horizontal	Pass
2696.0	-60.14	-13	-47.14	-63.28	3.11	6.25	Horizontal	Pass
1346.929	-49.87	-13	-36.87	-52.36	2.42	4.91	Vertical	Pass
2022.0	-65.32	-13	-52.32	-67.25	2.74	4.67	Vertical	Pass
2696.0	-61.99	-13	-48.99	-65.13	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	-49.11	-13	-36.11	-51.66	2.43	4.98	Horizontal	Pass
2037.0	-62.5	-13	-49.5	-64.46	2.75	4.71	Horizontal	Pass
2716.0	-62.18	-13	-49.18	-65.37	3.11	6.3	Horizontal	Pass
1358.0	-52.08	-13	-39.08	-54.63	2.43	4.98	Vertical	Pass
2037.0	-65.21	-13	-52.21	-67.17	2.75	4.71	Vertical	Pass
2716.0	-63.3	-13	-50.3	-66.49	3.11	6.3	Vertical	Pass

Note: External Antenna is the worst case, only the worst case test data were recorded in this report.

7. Effective (Isotropic) Radiated Power Output Data (Internal Antenna)

7.1 Test Result

7.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	23.31	-3.91	17.25	<=34.77	Pass
			13	23.59	-3.91	17.53	<=34.77	Pass
			24	23.20	-3.91	17.14	<=34.77	Pass
		12	0	22.44	-3.91	16.38	<=34.77	Pass
			6	22.55	-3.91	16.49	<=34.77	Pass
			13	22.40	-3.91	16.34	<=34.77	Pass
		25	0	22.38	-3.91	16.32	<=34.77	Pass
	680.5	1	0	23.36	-3.91	17.30	<=34.77	Pass
			13	23.38	-3.91	17.32	<=34.77	Pass
			24	23.22	-3.91	17.16	<=34.77	Pass
		12	0	22.17	-3.91	16.11	<=34.77	Pass
			6	22.16	-3.91	16.10	<=34.77	Pass
			13	22.12	-3.91	16.06	<=34.77	Pass
		25	0	22.14	-3.91	16.08	<=34.77	Pass
	695.5	1	0	23.19	-3.91	17.13	<=34.77	Pass
			13	23.31	-3.91	17.25	<=34.77	Pass
			24	23.20	-3.91	17.14	<=34.77	Pass
		12	0	22.25	-3.91	16.19	<=34.77	Pass
			6	22.27	-3.91	16.21	<=34.77	Pass
			13	22.22	-3.91	16.16	<=34.77	Pass
		25	0	22.20	-3.91	16.14	<=34.77	Pass
16QAM	665.5	1	0	22.12	-3.91	16.06	<=34.77	Pass
			13	22.30	-3.91	16.24	<=34.77	Pass
			24	21.97	-3.91	15.91	<=34.77	Pass
		12	0	21.32	-3.91	15.26	<=34.77	Pass
			6	21.49	-3.91	15.43	<=34.77	Pass
			13	21.25	-3.91	15.19	<=34.77	Pass
		25	0	21.36	-3.91	15.30	<=34.77	Pass
	680.5	1	0	22.28	-3.91	16.22	<=34.77	Pass
			13	22.03	-3.91	15.97	<=34.77	Pass
			24	21.80	-3.91	15.74	<=34.77	Pass
		12	0	21.14	-3.91	15.08	<=34.77	Pass
			6	21.15	-3.91	15.09	<=34.77	Pass
			13	21.01	-3.91	14.95	<=34.77	Pass
		25	0	21.09	-3.91	15.03	<=34.77	Pass
	695.5	1	0	21.92	-3.91	15.86	<=34.77	Pass
			13	21.90	-3.91	15.84	<=34.77	Pass
			24	21.79	-3.91	15.73	<=34.77	Pass
		12	0	21.07	-3.91	15.01	<=34.77	Pass
			6	21.18	-3.91	15.12	<=34.77	Pass
			13	21.02	-3.91	14.96	<=34.77	Pass
		25	0	21.04	-3.91	14.98	<=34.77	Pass
64QAM	665.5	1	0	22.02	-3.91	15.96	<=34.77	Pass
			13	22.37	-3.91	16.31	<=34.77	Pass
			24	21.79	-3.91	15.73	<=34.77	Pass
		12	0	21.28	-3.91	15.22	<=34.77	Pass

		25	6	21.48	-3.91	15.42	<=34.77	Pass
			13	21.53	-3.91	15.47	<=34.77	Pass
			0	21.40	-3.91	15.34	<=34.77	Pass
	680.5	1	0	21.65	-3.91	15.59	<=34.77	Pass
			13	21.86	-3.91	15.80	<=34.77	Pass
			24	21.42	-3.91	15.36	<=34.77	Pass
		12	0	21.02	-3.91	14.96	<=34.77	Pass
			6	20.99	-3.91	14.93	<=34.77	Pass
			13	20.90	-3.91	14.84	<=34.77	Pass
		25	0	21.25	-3.91	15.19	<=34.77	Pass
	695.5	1	0	21.83	-3.91	15.77	<=34.77	Pass
			13	21.96	-3.91	15.90	<=34.77	Pass
			24	21.51	-3.91	15.45	<=34.77	Pass
		12	0	20.84	-3.91	14.78	<=34.77	Pass
			6	20.90	-3.91	14.84	<=34.77	Pass
			13	20.87	-3.91	14.81	<=34.77	Pass
		25	0	21.13	-3.91	15.07	<=34.77	Pass
	Note1: ERP=Conducted Power+Antenna Gain-2.15							

7.1.2 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	23.51	-3.91	17.45	<=34.77	Pass
			25	23.83	-3.91	17.77	<=34.77	Pass
			49	23.27	-3.91	17.21	<=34.77	Pass
		25	0	22.50	-3.91	16.44	<=34.77	Pass
			13	22.53	-3.91	16.47	<=34.77	Pass
			25	22.33	-3.91	16.27	<=34.77	Pass
		50	0	22.47	-3.91	16.41	<=34.77	Pass
	680.5	1	0	23.48	-3.91	17.42	<=34.77	Pass
			25	23.48	-3.91	17.42	<=34.77	Pass
			49	23.17	-3.91	17.11	<=34.77	Pass
		25	0	22.39	-3.91	16.33	<=34.77	Pass
			13	22.35	-3.91	16.29	<=34.77	Pass
			25	22.27	-3.91	16.21	<=34.77	Pass
		50	0	22.39	-3.91	16.33	<=34.77	Pass
	693	1	0	23.36	-3.91	17.30	<=34.77	Pass
			25	23.70	-3.91	17.64	<=34.77	Pass
			49	23.18	-3.91	17.12	<=34.77	Pass
		25	0	22.35	-3.91	16.29	<=34.77	Pass
			13	22.26	-3.91	16.20	<=34.77	Pass
			25	22.19	-3.91	16.13	<=34.77	Pass
		50	0	22.25	-3.91	16.19	<=34.77	Pass
16QAM	668	1	0	21.57	-3.91	15.51	<=34.77	Pass
			25	22.56	-3.91	16.50	<=34.77	Pass
			49	21.93	-3.91	15.87	<=34.77	Pass
		25	0	21.32	-3.91	15.26	<=34.77	Pass
			13	21.36	-3.91	15.30	<=34.77	Pass
			25	21.36	-3.91	15.30	<=34.77	Pass
		50	0	21.47	-3.91	15.41	<=34.77	Pass
	680.5	1	0	22.29	-3.91	16.23	<=34.77	Pass
			25	22.11	-3.91	16.05	<=34.77	Pass
			49	21.85	-3.91	15.79	<=34.77	Pass
		25	0	21.23	-3.91	15.17	<=34.77	Pass
			13	21.21	-3.91	15.15	<=34.77	Pass

			25	21.09	-3.91	15.03	<=34.77	Pass
		50	0	21.09	-3.91	15.03	<=34.77	Pass
	693	1	0	22.00	-3.91	15.94	<=34.77	Pass
			25	21.69	-3.91	15.63	<=34.77	Pass
			49	21.79	-3.91	15.73	<=34.77	Pass
		25	0	21.13	-3.91	15.07	<=34.77	Pass
			13	21.41	-3.91	15.35	<=34.77	Pass
			25	21.02	-3.91	14.96	<=34.77	Pass
		50	0	21.06	-3.91	15.00	<=34.77	Pass
64QAM	668	1	0	21.55	-3.91	15.49	<=34.77	Pass
			25	22.33	-3.91	16.27	<=34.77	Pass
			49	21.63	-3.91	15.57	<=34.77	Pass
		25	0	21.58	-3.91	15.52	<=34.77	Pass
			13	21.56	-3.91	15.50	<=34.77	Pass
			25	21.43	-3.91	15.37	<=34.77	Pass
		50	0	21.35	-3.91	15.29	<=34.77	Pass
	680.5	1	0	21.80	-3.91	15.74	<=34.77	Pass
			25	22.30	-3.91	16.24	<=34.77	Pass
			49	21.73	-3.91	15.67	<=34.77	Pass
		25	0	21.35	-3.91	15.29	<=34.77	Pass
			13	21.22	-3.91	15.16	<=34.77	Pass
			25	21.24	-3.91	15.18	<=34.77	Pass
		50	0	21.23	-3.91	15.17	<=34.77	Pass
	693	1	0	21.80	-3.91	15.74	<=34.77	Pass
			25	22.03	-3.91	15.97	<=34.77	Pass
			49	21.56	-3.91	15.50	<=34.77	Pass
		25	0	21.26	-3.91	15.20	<=34.77	Pass
			13	21.27	-3.91	15.21	<=34.77	Pass
			25	21.20	-3.91	15.14	<=34.77	Pass
		50	0	21.25	-3.91	15.19	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

7.1.3 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	23.63	-3.91	17.57	<=34.77	Pass
			38	23.41	-3.91	17.35	<=34.77	Pass
			74	23.30	-3.91	17.24	<=34.77	Pass
		36	0	22.45	-3.91	16.39	<=34.77	Pass
			18	22.38	-3.91	16.32	<=34.77	Pass
			39	22.31	-3.91	16.25	<=34.77	Pass
		75	0	22.37	-3.91	16.31	<=34.77	Pass
	680.5	1	0	23.55	-3.91	17.49	<=34.77	Pass
			38	23.57	-3.91	17.51	<=34.77	Pass
			74	23.15	-3.91	17.09	<=34.77	Pass
		36	0	22.40	-3.91	16.34	<=34.77	Pass
			18	22.33	-3.91	16.27	<=34.77	Pass
			39	22.22	-3.91	16.16	<=34.77	Pass
		75	0	22.34	-3.91	16.28	<=34.77	Pass
	690.5	1	0	23.34	-3.91	17.28	<=34.77	Pass
			38	23.33	-3.91	17.27	<=34.77	Pass
			74	23.27	-3.91	17.21	<=34.77	Pass
		36	0	22.29	-3.91	16.23	<=34.77	Pass
			18	22.27	-3.91	16.21	<=34.77	Pass
			39	22.13	-3.91	16.07	<=34.77	Pass

		75	0	22.27	-3.91	16.21	<=34.77	Pass	
16QAM	670.5	1	0	22.12	-3.91	16.06	<=34.77	Pass	
			38	22.43	-3.91	16.37	<=34.77	Pass	
			74	21.72	-3.91	15.66	<=34.77	Pass	
		36	0	21.27	-3.91	15.21	<=34.77	Pass	
			18	21.27	-3.91	15.21	<=34.77	Pass	
			39	21.26	-3.91	15.20	<=34.77	Pass	
		75	0	21.26	-3.91	15.20	<=34.77	Pass	
		680.5	1	0	22.17	-3.91	16.11	<=34.77	Pass
				38	22.02	-3.91	15.96	<=34.77	Pass
	74			21.55	-3.91	15.49	<=34.77	Pass	
	36		0	21.24	-3.91	15.18	<=34.77	Pass	
			18	21.16	-3.91	15.10	<=34.77	Pass	
			39	21.05	-3.91	14.99	<=34.77	Pass	
	75		0	21.27	-3.91	15.21	<=34.77	Pass	
	690.5		1	0	21.80	-3.91	15.74	<=34.77	Pass
				38	21.90	-3.91	15.84	<=34.77	Pass
		74		21.67	-3.91	15.61	<=34.77	Pass	
		36	0	21.10	-3.91	15.04	<=34.77	Pass	
			18	21.12	-3.91	15.06	<=34.77	Pass	
			39	20.99	-3.91	14.93	<=34.77	Pass	
		75	0	21.13	-3.91	15.07	<=34.77	Pass	
		64QAM	670.5	1	0	22.58	-3.91	16.52	<=34.77
38					22.35	-3.91	16.29	<=34.77	Pass
74	21.72				-3.91	15.66	<=34.77	Pass	
36	0			21.33	-3.91	15.27	<=34.77	Pass	
	18			21.39	-3.91	15.33	<=34.77	Pass	
	39			21.26	-3.91	15.20	<=34.77	Pass	
75	0			21.34	-3.91	15.28	<=34.77	Pass	
680.5	1			0	21.60	-3.91	15.54	<=34.77	Pass
				38	21.78	-3.91	15.72	<=34.77	Pass
			74	21.40	-3.91	15.34	<=34.77	Pass	
	36		0	21.24	-3.91	15.18	<=34.77	Pass	
			18	21.18	-3.91	15.12	<=34.77	Pass	
			39	21.13	-3.91	15.07	<=34.77	Pass	
	75		0	21.27	-3.91	15.21	<=34.77	Pass	
	690.5		1	0	21.81	-3.91	15.75	<=34.77	Pass
				38	21.74	-3.91	15.68	<=34.77	Pass
74				21.51	-3.91	15.45	<=34.77	Pass	
36			0	21.41	-3.91	15.35	<=34.77	Pass	
			18	21.22	-3.91	15.16	<=34.77	Pass	
			39	21.16	-3.91	15.10	<=34.77	Pass	
75			0	21.22	-3.91	15.16	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

7.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	23.26	-3.91	17.20	<=34.77	Pass
			50	23.71	-3.91	17.65	<=34.77	Pass
			99	23.03	-3.91	16.97	<=34.77	Pass
		50	0	22.41	-3.91	16.35	<=34.77	Pass
			25	22.30	-3.91	16.24	<=34.77	Pass
			50	22.24	-3.91	16.18	<=34.77	Pass
		100	0	22.35	-3.91	16.29	<=34.77	Pass

	683	1	0	23.28	-3.91	17.22	<=34.77	Pass	
			50	23.54	-3.91	17.48	<=34.77	Pass	
			99	22.97	-3.91	16.91	<=34.77	Pass	
		50	0	22.30	-3.91	16.24	<=34.77	Pass	
			25	22.28	-3.91	16.22	<=34.77	Pass	
			50	22.12	-3.91	16.06	<=34.77	Pass	
		100	0	22.22	-3.91	16.16	<=34.77	Pass	
		50	23.50	-3.91	17.44	<=34.77	Pass		
		99	22.86	-3.91	16.80	<=34.77	Pass		
	50	0	22.14	-3.91	16.08	<=34.77	Pass		
		25	22.17	-3.91	16.11	<=34.77	Pass		
		50	22.02	-3.91	15.96	<=34.77	Pass		
100	0	22.24	-3.91	16.18	<=34.77	Pass			
16QAM	673	1	0	21.91	-3.91	15.85	<=34.77	Pass	
			50	22.09	-3.91	16.03	<=34.77	Pass	
			99	21.54	-3.91	15.48	<=34.77	Pass	
		50	0	21.32	-3.91	15.26	<=34.77	Pass	
			25	21.36	-3.91	15.30	<=34.77	Pass	
			50	21.11	-3.91	15.05	<=34.77	Pass	
		100	0	21.21	-3.91	15.15	<=34.77	Pass	
		50	22.18	-3.91	16.12	<=34.77	Pass		
		99	21.50	-3.91	15.44	<=34.77	Pass		
	50	0	21.28	-3.91	15.22	<=34.77	Pass		
		25	21.25	-3.91	15.19	<=34.77	Pass		
		50	21.07	-3.91	15.01	<=34.77	Pass		
	100	0	21.21	-3.91	15.15	<=34.77	Pass		
	50	22.16	-3.91	16.10	<=34.77	Pass			
	99	21.38	-3.91	15.32	<=34.77	Pass			
	50	0	21.22	-3.91	15.16	<=34.77	Pass		
		25	21.29	-3.91	15.23	<=34.77	Pass		
		50	20.93	-3.91	14.87	<=34.77	Pass		
	100	0	21.12	-3.91	15.06	<=34.77	Pass		
	64QAM	673	1	0	21.59	-3.91	15.53	<=34.77	Pass
				50	22.30	-3.91	16.24	<=34.77	Pass
				99	21.55	-3.91	15.49	<=34.77	Pass
			50	0	21.24	-3.91	15.18	<=34.77	Pass
				25	21.28	-3.91	15.22	<=34.77	Pass
50				21.16	-3.91	15.10	<=34.77	Pass	
100			0	21.19	-3.91	15.13	<=34.77	Pass	
50			22.15	-3.91	16.09	<=34.77	Pass		
99			20.94	-3.91	14.88	<=34.77	Pass		
50		0	21.22	-3.91	15.16	<=34.77	Pass		
		25	21.33	-3.91	15.27	<=34.77	Pass		
		50	21.02	-3.91	14.96	<=3			