

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	
64QAM	665.5	1	0	22.69	3.00	23.54	<=34.77	Pass
			13	22.85	3.00	23.70	<=34.77	Pass
			24	22.78	3.00	23.63	<=34.77	Pass
		12	0	21.60	3.00	22.45	<=34.77	Pass
			6	21.61	3.00	22.46	<=34.77	Pass
			13	21.49	3.00	22.34	<=34.77	Pass
		25	0	21.56	3.00	22.41	<=34.77	Pass
	680.5	1	0	22.55	3.00	23.40	<=34.77	Pass
			13	22.57	3.00	23.42	<=34.77	Pass
			24	22.48	3.00	23.33	<=34.77	Pass
		12	0	21.46	3.00	22.31	<=34.77	Pass
			6	21.47	3.00	22.32	<=34.77	Pass
			13	21.39	3.00	22.24	<=34.77	Pass
		25	0	21.37	3.00	22.22	<=34.77	Pass
	695.5	1	0	22.14	3.00	22.99	<=34.77	Pass
			13	22.17	3.00	23.02	<=34.77	Pass
			24	22.05	3.00	22.90	<=34.77	Pass
		12	0	21.15	3.00	22.00	<=34.77	Pass
			6	21.15	3.00	22.00	<=34.77	Pass
			13	21.09	3.00	21.94	<=34.77	Pass
		25	0	21.16	3.00	22.01	<=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	
64QAM	668	1	0	22.67	3.00	23.52	<=34.77	Pass
			25	22.68	3.00	23.53	<=34.77	Pass
			49	22.65	3.00	23.50	<=34.77	Pass
		25	0	21.43	3.00	22.28	<=34.77	Pass
			13	21.44	3.00	22.29	<=34.77	Pass
			25	21.39	3.00	22.24	<=34.77	Pass
		50	0	21.46	3.00	22.31	<=34.77	Pass
	680.5	1	0	22.78	3.00	23.63	<=34.77	Pass
			25	22.71	3.00	23.56	<=34.77	Pass
			49	22.67	3.00	23.52	<=34.77	Pass
		25	0	21.42	3.00	22.27	<=34.77	Pass
			13	21.42	3.00	22.27	<=34.77	Pass
			25	21.35	3.00	22.20	<=34.77	Pass
		50	0	21.39	3.00	22.24	<=34.77	Pass
	693	1	0	22.39	3.00	23.24	<=34.77	Pass
			25	22.30	3.00	23.15	<=34.77	Pass
			49	22.22	3.00	23.07	<=34.77	Pass

		25	0	21.23	3.00	22.08	<=34.77	Pass
			13	21.22	3.00	22.07	<=34.77	Pass
			25	21.18	3.00	22.03	<=34.77	Pass
		50	0	21.19	3.00	22.04	<=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	
64QAM	670.5	1	0	22.72	3.00	23.57	<=34.77	Pass
			38	22.70	3.00	23.55	<=34.77	Pass
			74	22.56	3.00	23.41	<=34.77	Pass
		36	0	21.48	3.00	22.33	<=34.77	Pass
			18	21.47	3.00	22.32	<=34.77	Pass
			39	21.40	3.00	22.25	<=34.77	Pass
		75	0	21.46	3.00	22.31	<=34.77	Pass
	680.5	1	0	22.83	3.00	23.68	<=34.77	Pass
			38	22.69	3.00	23.54	<=34.77	Pass
			74	22.61	3.00	23.46	<=34.77	Pass
		36	0	21.38	3.00	22.23	<=34.77	Pass
			18	21.36	3.00	22.21	<=34.77	Pass
			39	21.30	3.00	22.15	<=34.77	Pass
		75	0	21.32	3.00	22.17	<=34.77	Pass
	690.5	1	0	22.49	3.00	23.34	<=34.77	Pass
			38	22.35	3.00	23.20	<=34.77	Pass
			74	22.26	3.00	23.11	<=34.77	Pass
		36	0	21.23	3.00	22.08	<=34.77	Pass
			18	21.21	3.00	22.06	<=34.77	Pass
			39	21.11	3.00	21.96	<=34.77	Pass
		75	0	21.25	3.00	22.10	<=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	
64QAM	673	1	0	22.71	3.00	23.56	<=34.77	Pass
			50	22.61	3.00	23.46	<=34.77	Pass
			99	22.43	3.00	23.28	<=34.77	Pass
		50	0	21.52	3.00	22.37	<=34.77	Pass
			25	21.46	3.00	22.31	<=34.77	Pass
			50	21.42	3.00	22.27	<=34.77	Pass
		100	0	21.41	3.00	22.26	<=34.77	Pass
	683	1	0	22.47	3.00	23.32	<=34.77	Pass
			50	22.33	3.00	23.18	<=34.77	Pass
			99	22.15	3.00	23.00	<=34.77	Pass
		50	0	21.42	3.00	22.27	<=34.77	Pass
			25	21.42	3.00	22.27	<=34.77	Pass
			50	21.34	3.00	22.19	<=34.77	Pass
		100	0	21.34	3.00	22.19	<=34.77	Pass

	688	1	0	22.48	3.00	23.33	<=34.77	Pass
			50	22.33	3.00	23.18	<=34.77	Pass
			99	22.17	3.00	23.02	<=34.77	Pass
		50	0	21.36	3.00	22.21	<=34.77	Pass
			25	21.33	3.00	22.18	<=34.77	Pass
			50	21.21	3.00	22.06	<=34.77	Pass
		100	0	21.24	3.00	22.09	<=34.77	Pass
		Note1: ERP=Conducted Power+Antenna Gain-2.15						

2. Frequency Stability

2.1 Test Result

2.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	665.5	25	0	20	3.27	0.687	0.0010	-2.5 to 2.5	Pass
					3.85	2.675	0.0040	-2.5 to 2.5	Pass
					4.43	0.143	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.262	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0017	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.817	0.0027	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	1.445	0.0021	-2.5 to 2.5	Pass
					3.85	0.415	0.0006	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	0.930	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass
				10	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.616	0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0033	-2.5 to 2.5	Pass
				50	3.85	1.388	0.0020	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	2.604	0.0037	-2.5 to 2.5	Pass
					3.85	0.901	0.0013	-2.5 to 2.5	Pass
					4.43	2.675	0.0038	-2.5 to 2.5	Pass
				-30	3.85	1.988	0.0029	-2.5 to 2.5	Pass
				-20	3.85	2.089	0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.418	-0.0035	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0032	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0011	-2.5 to 2.5	Pass

2.1.2 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	
64QAM	668	50	0	20	3.27	-0.629	-0.0009	-2.5 to 2.5	Pass
					3.85	0.229	0.0003	-2.5 to 2.5	Pass
					4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.945	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.416	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.103	-0.0031	-2.5 to 2.5	Pass
				30	3.85	0.658	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-1.416	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.847	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.217	-0.0033	-2.5 to 2.5	Pass
	693	50	0	20	3.27	2.432	0.0035	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.532	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.232	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-1.588	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.588	-0.0023	-2.5 to 2.5	Pass
				10	3.85	1.731	0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.147	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-2.804	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass

2.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	670.5	75	0	20	3.27	2.532	0.0038	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0024	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.459	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-2.789	-0.0042	-2.5 to 2.5	Pass

	680.5	75	0	20	3.27	-3.061	-0.0045	-2.5 to 2.5	Pass
					3.85	-2.918	-0.0043	-2.5 to 2.5	Pass
					4.43	0.644	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.890	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.689	-0.0040	-2.5 to 2.5	Pass
	690.5	75	0	40	3.85	-2.389	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0053	-2.5 to 2.5	Pass
				20	3.27	-2.217	-0.0032	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	0.257	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.243	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.529	0.0008	-2.5 to 2.5	Pass

2.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	673	100	0	20	3.27	-3.576	-0.0053	-2.5 to 2.5	Pass
					3.85	-4.206	-0.0062	-2.5 to 2.5	Pass
					4.43	-3.648	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-5.965	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-2.317	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-1.602	-0.0024	-2.5 to 2.5	Pass
	683	100	0	40	3.85	-1.488	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.692	-0.0070	-2.5 to 2.5	Pass
				20	3.27	-0.887	-0.0013	-2.5 to 2.5	Pass
					3.85	2.303	0.0034	-2.5 to 2.5	Pass
					4.43	0.172	0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.475	0.0036	-2.5 to 2.5	Pass
				-20	3.85	1.402	0.0021	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0012	-2.5 to 2.5	Pass
	688	100	0	10	3.85	1.888	0.0028	-2.5 to 2.5	Pass
				30	3.85	2.246	0.0033	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				50	3.85	0.858	0.0013	-2.5 to 2.5	Pass
				20	3.27	-3.977	-0.0058	-2.5 to 2.5	Pass
					3.85	-4.263	-0.0062	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	1.202	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass

				-10	3.85	-2.003	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.604	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0015	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.658	0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band71_OBW

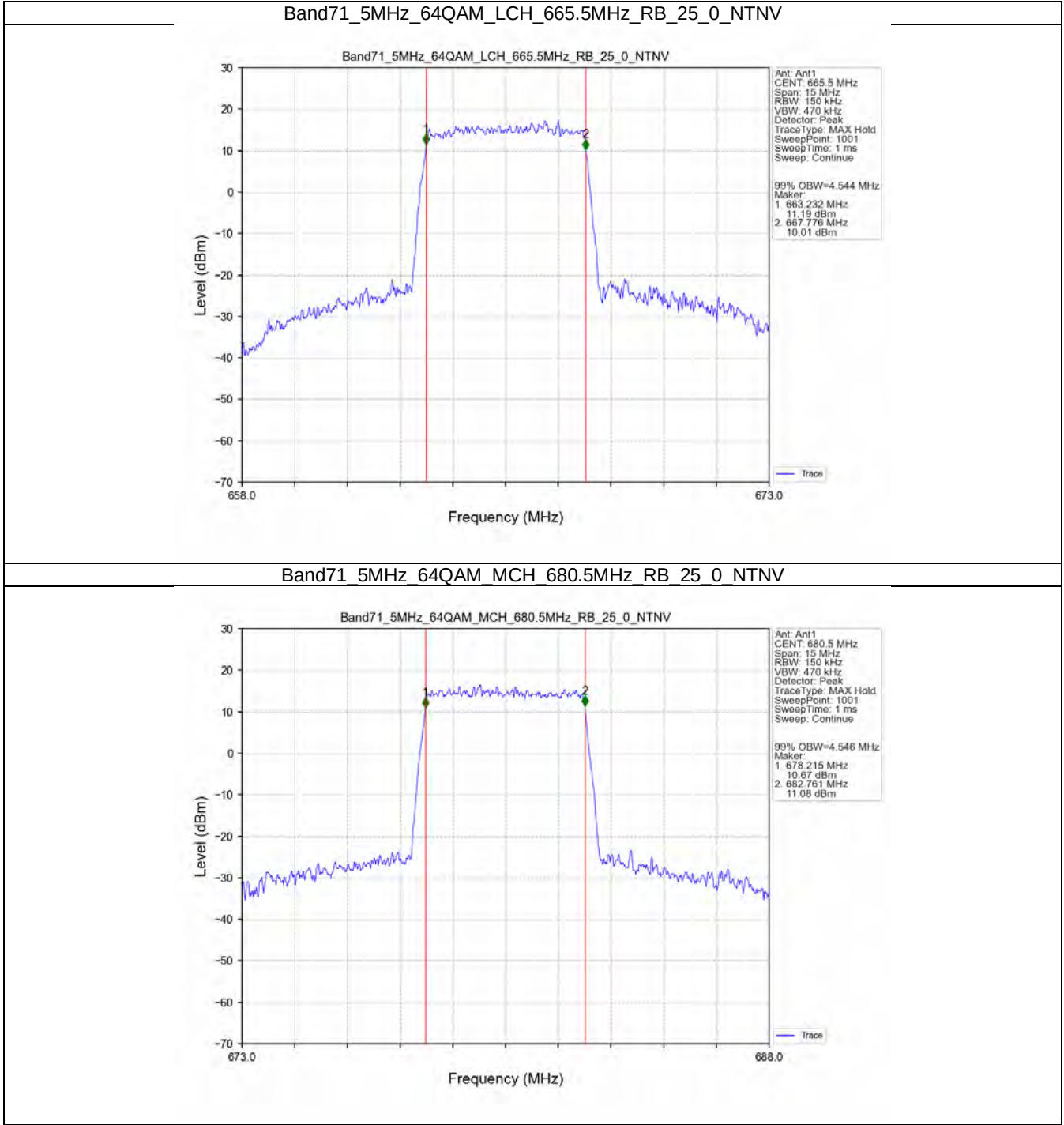
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	64QAM	665.5	25	0	4.544	/	Pass
		680.5	25	0	4.546	/	Pass
		695.5	25	0	4.532	/	Pass
10	64QAM	668	50	0	8.996	/	Pass
		680.5	50	0	9.022	/	Pass
		693	50	0	9.076	/	Pass
15	64QAM	670.5	75	0	13.575	/	Pass
		680.5	75	0	13.520	/	Pass
		690.5	75	0	13.589	/	Pass
20	64QAM	673	100	0	18.000	/	Pass
		683	100	0	18.059	/	Pass
		688	100	0	18.133	/	Pass

3.1.2 Band71_XDB

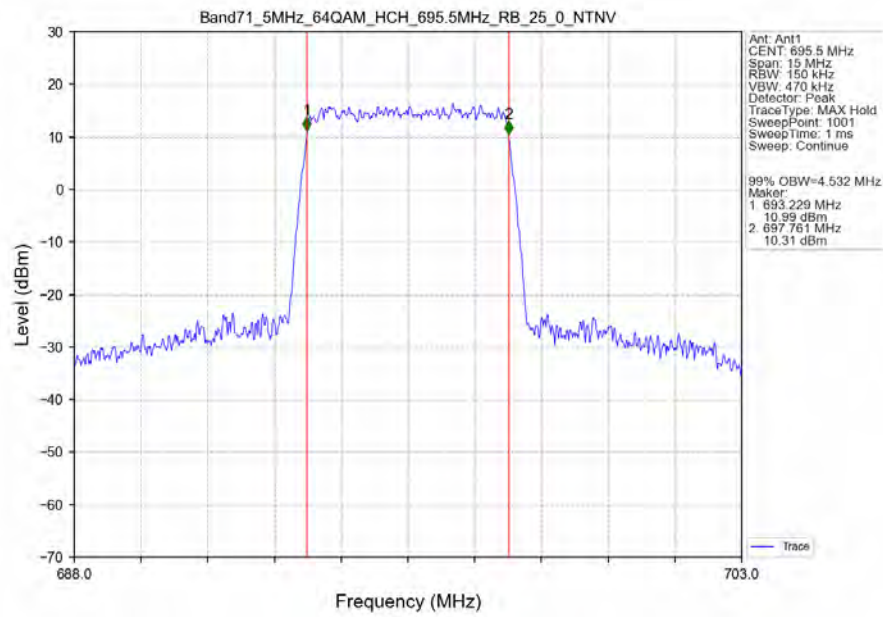
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	64QAM	665.5	25	0	5.023	/	Pass
		680.5	25	0	5.060	/	Pass
		695.5	25	0	5.046	/	Pass
10	64QAM	668	50	0	10.003	/	Pass
		680.5	50	0	9.912	/	Pass
		693	50	0	9.970	/	Pass
15	64QAM	670.5	75	0	14.983	/	Pass
		680.5	75	0	14.820	/	Pass
		690.5	75	0	14.904	/	Pass
20	64QAM	673	100	0	19.620	/	Pass
		683	100	0	19.628	/	Pass
		688	100	0	19.803	/	Pass

3.2 Test Graph

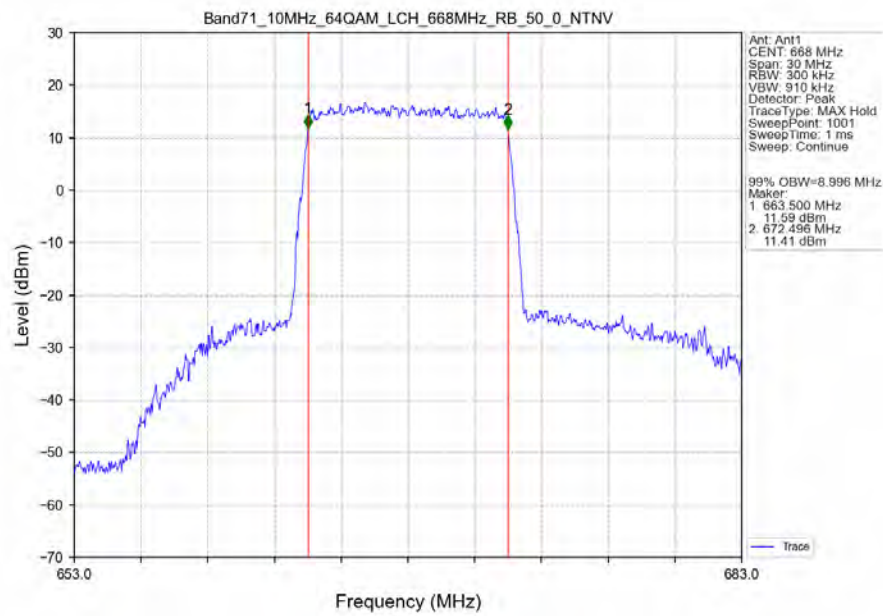
3.2.1 Band71_OBW



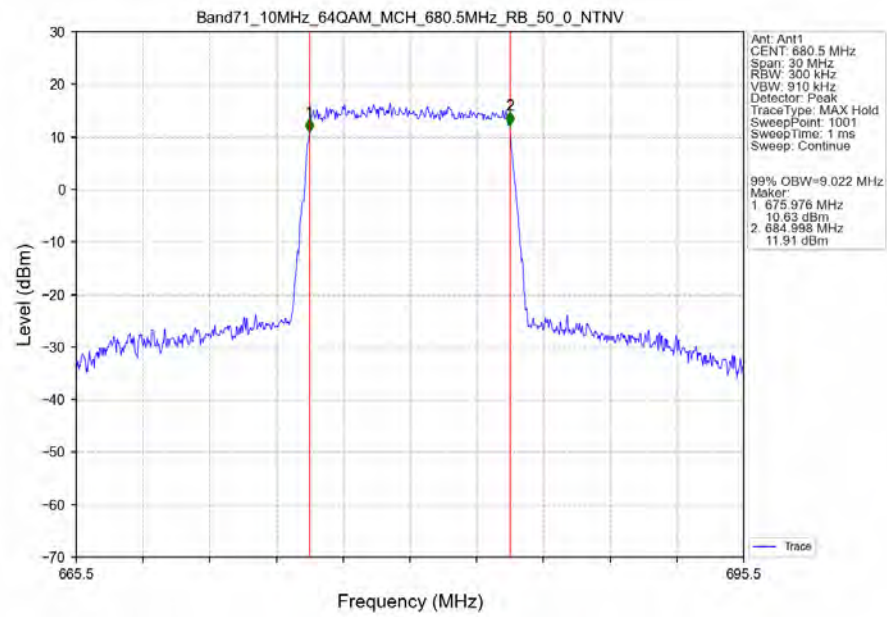
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



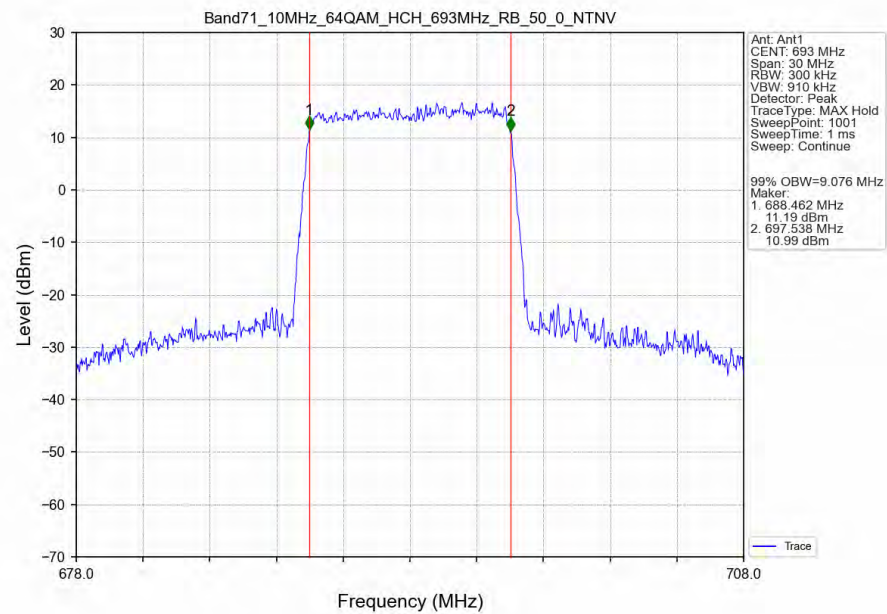
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



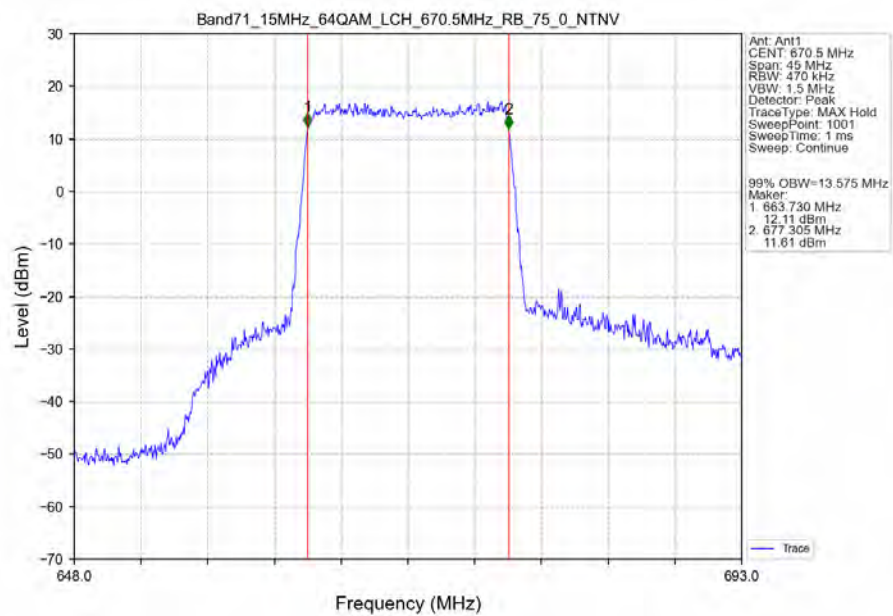
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



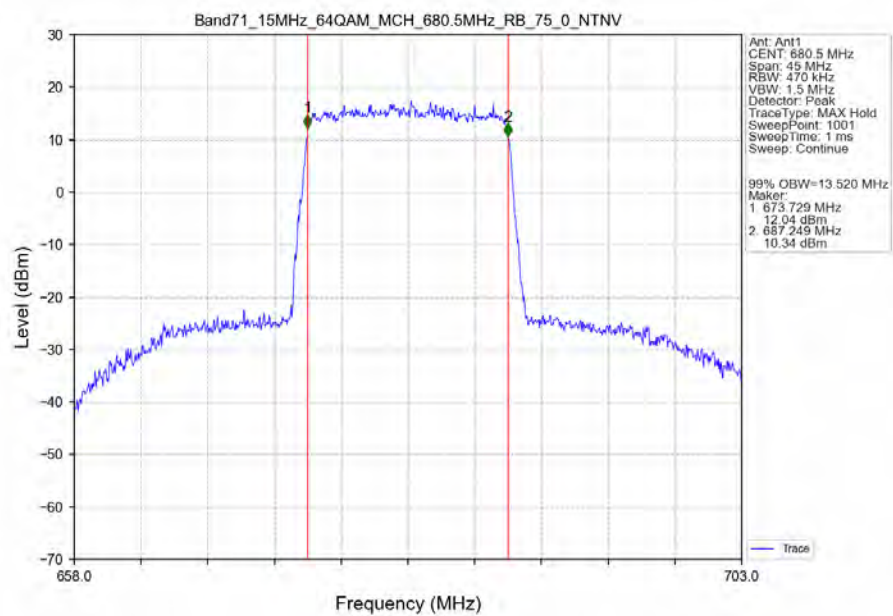
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



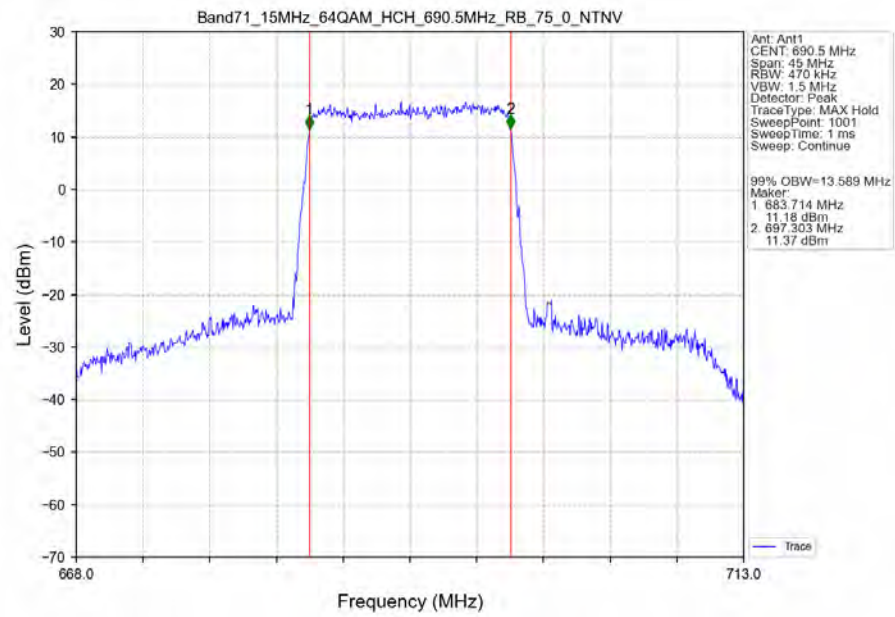
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



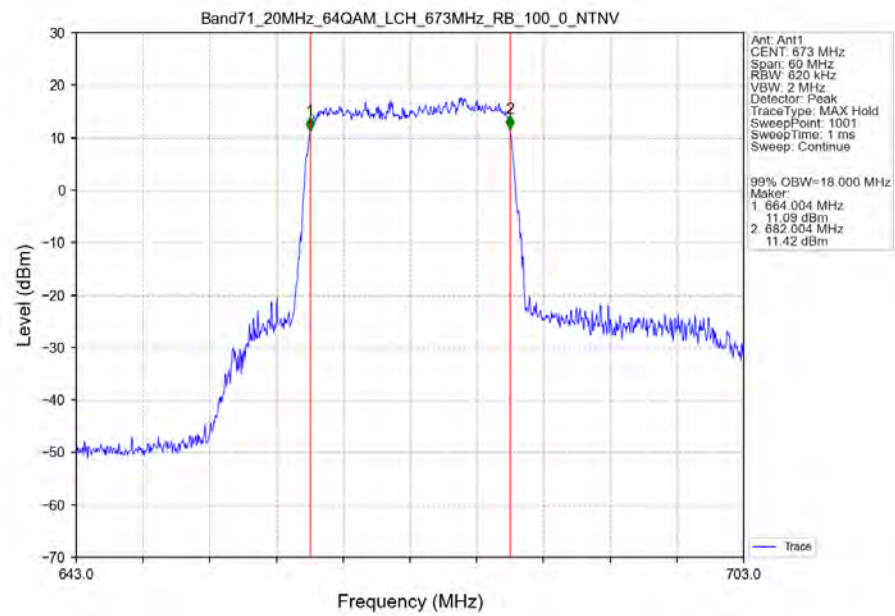
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



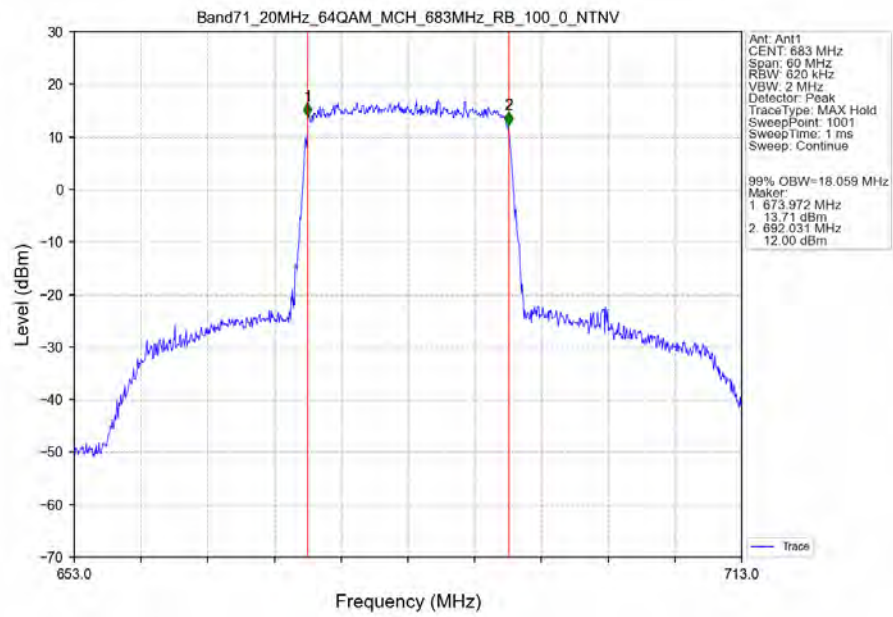
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



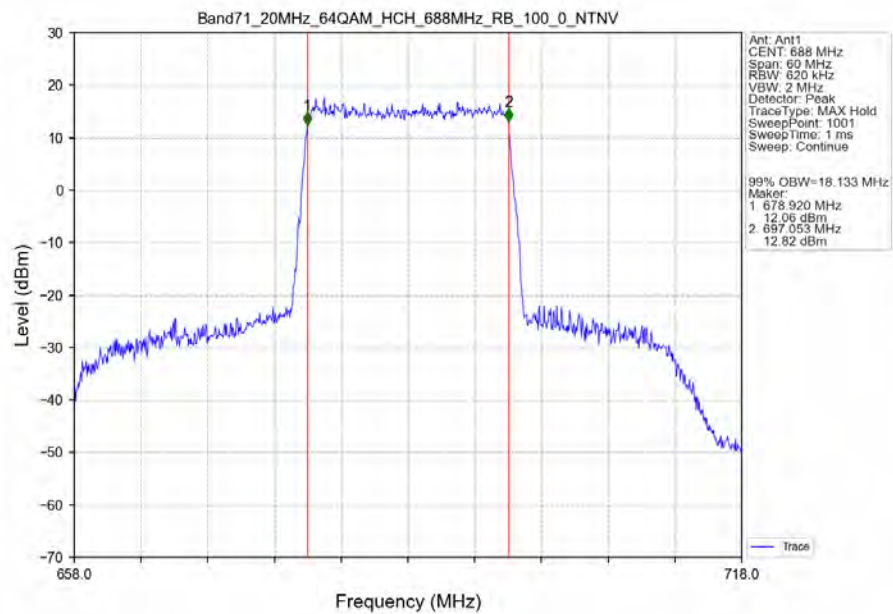
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



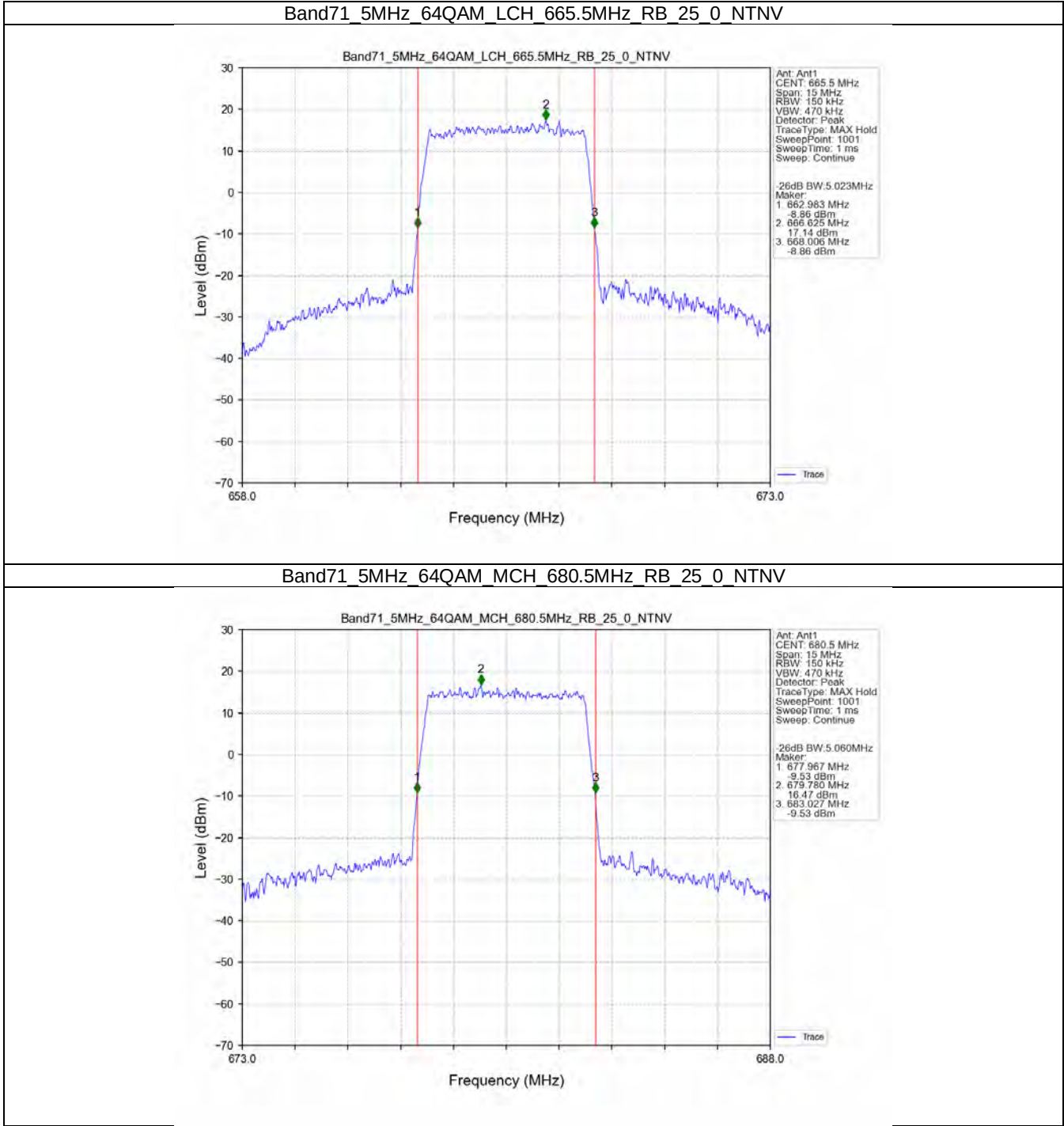
Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



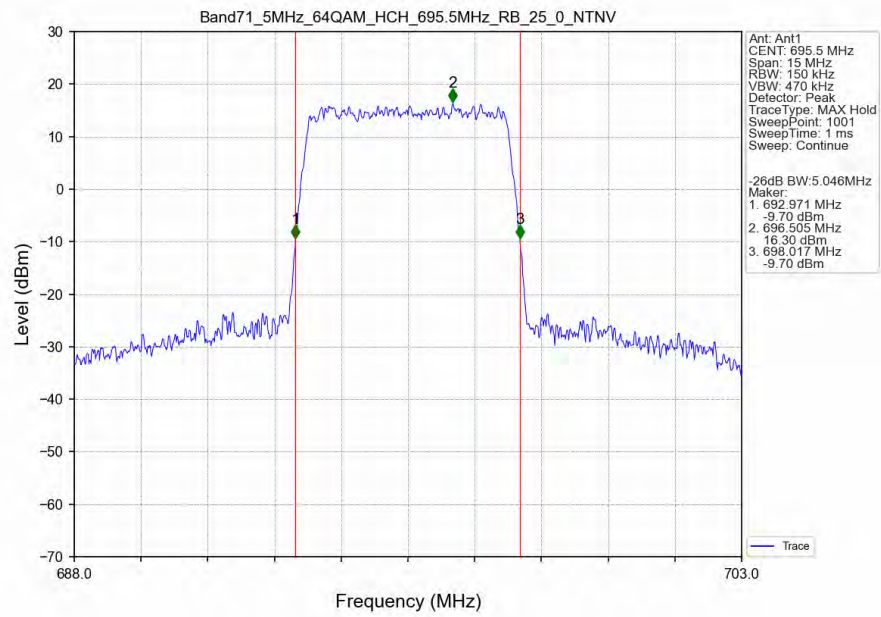
Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



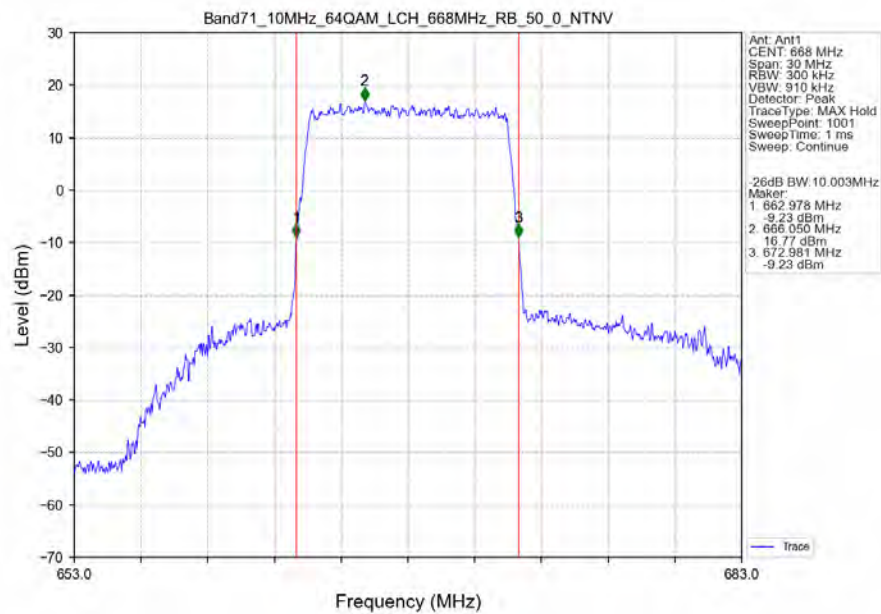
3.2.2 Band71_XDB



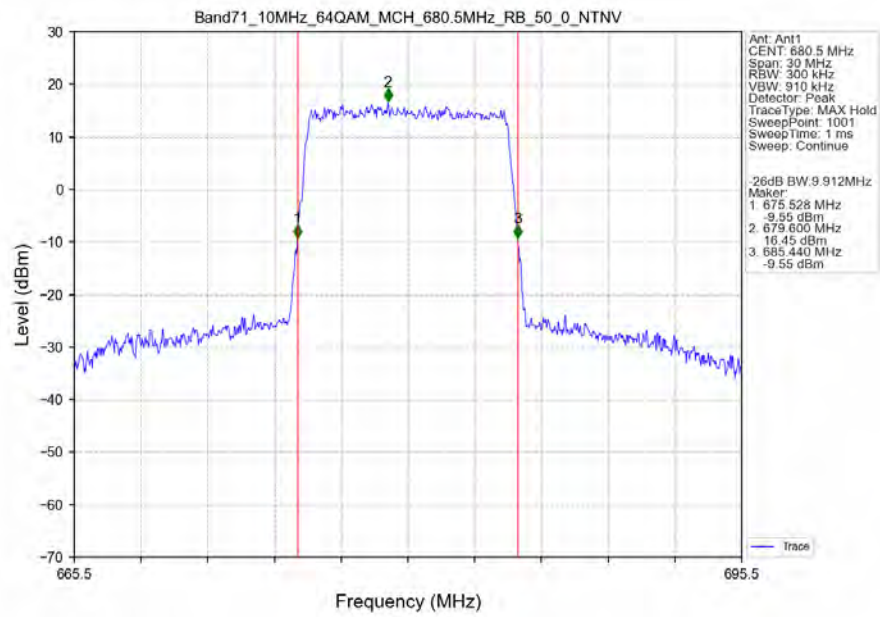
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



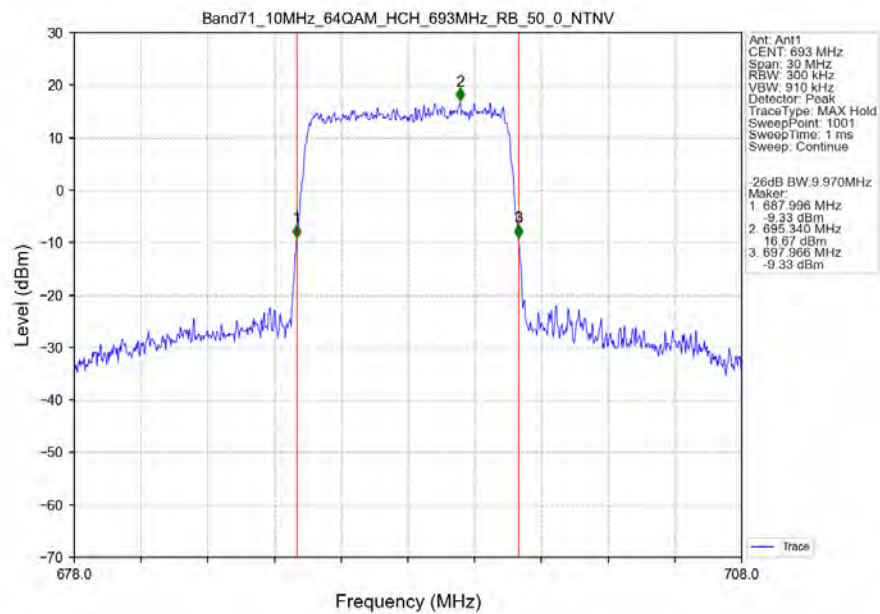
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



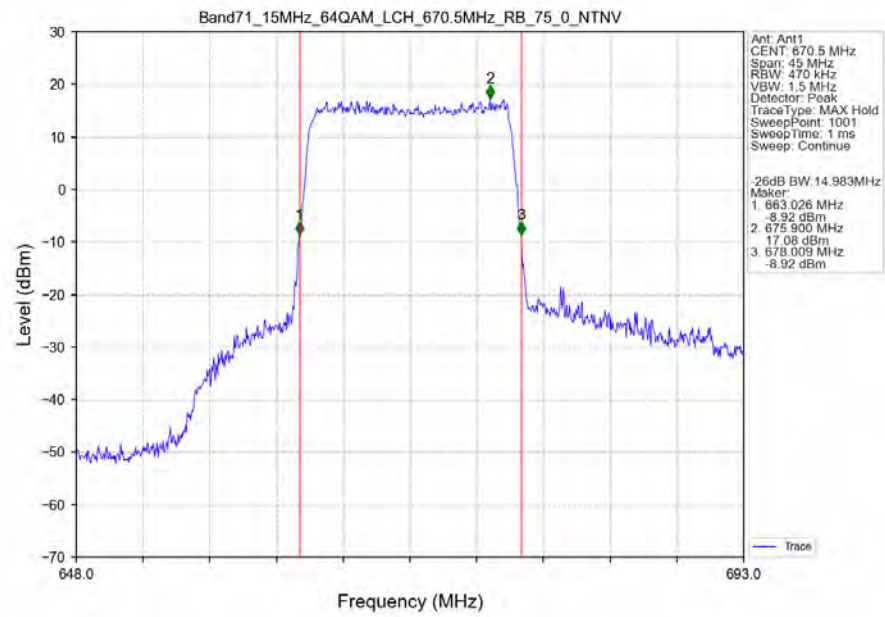
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



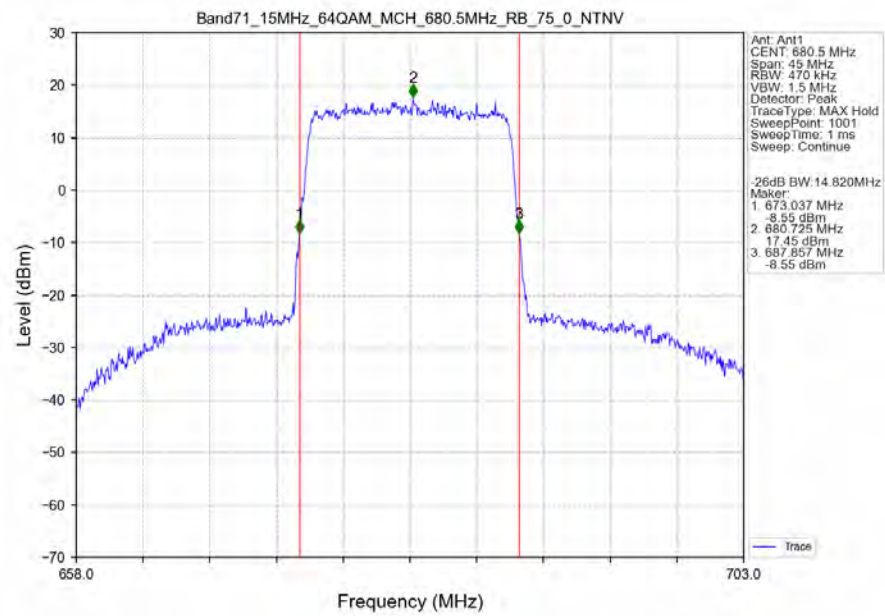
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



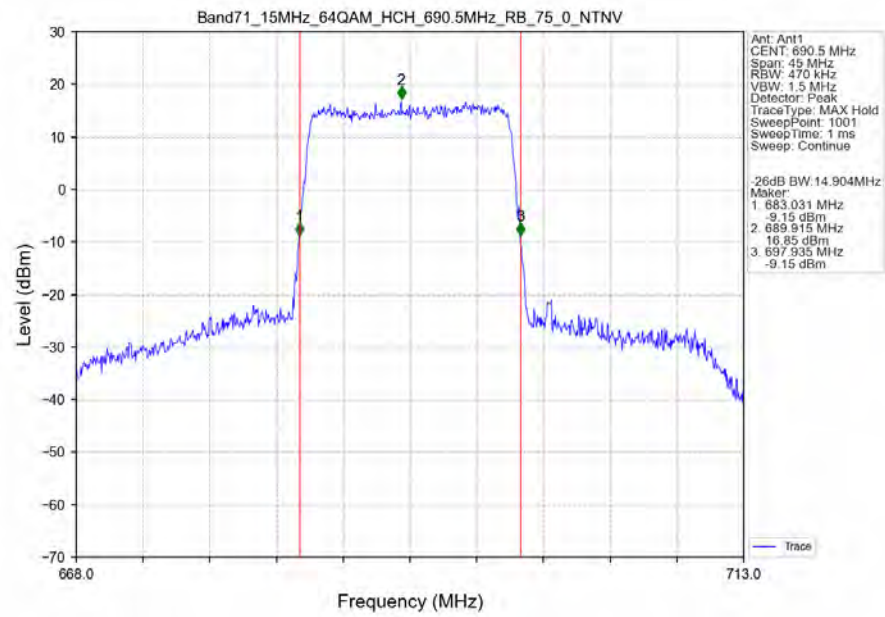
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



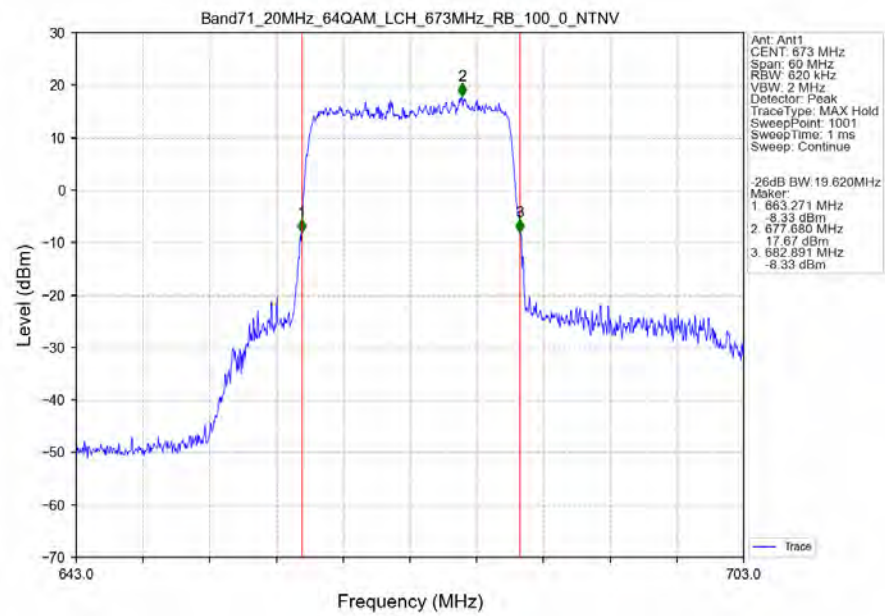
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



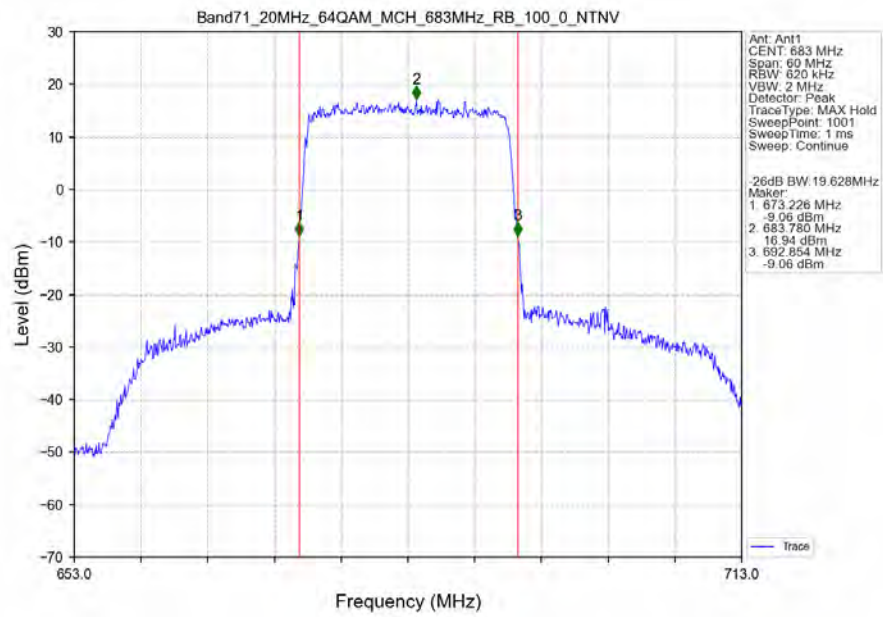
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



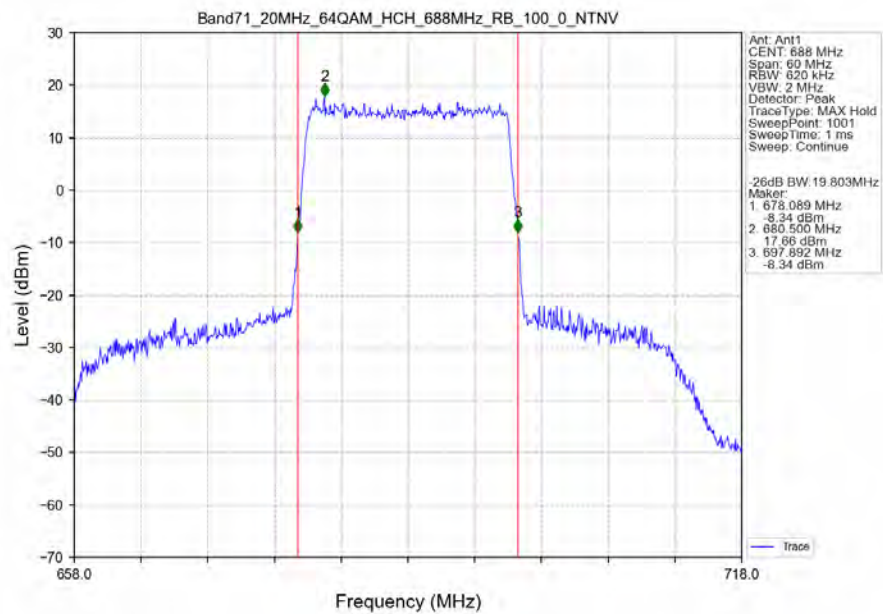
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	665.5	25	0	6.44	<=13	Pass
	680.5	25	0	6.62	<=13	Pass
	695.5	25	0	6.45	<=13	Pass

4.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	668	50	0	6.55	<=13	Pass
	680.5	50	0	6.62	<=13	Pass
	693	50	0	6.53	<=13	Pass

4.1.3 B71_15MHz

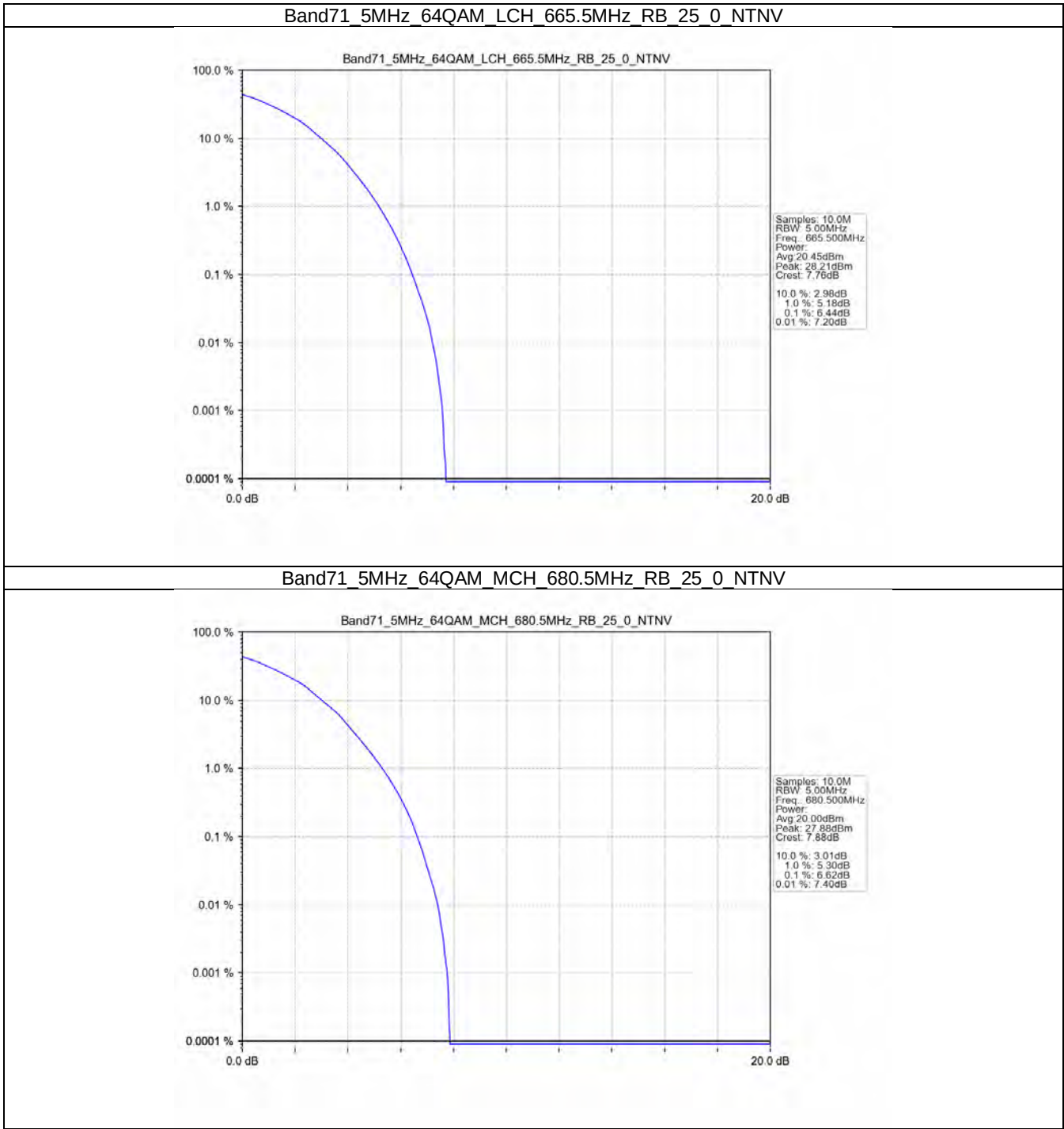
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	670.5	75	0	6.62	<=13	Pass
	680.5	75	0	6.56	<=13	Pass
	690.5	75	0	6.63	<=13	Pass

4.1.4 B71_20MHz

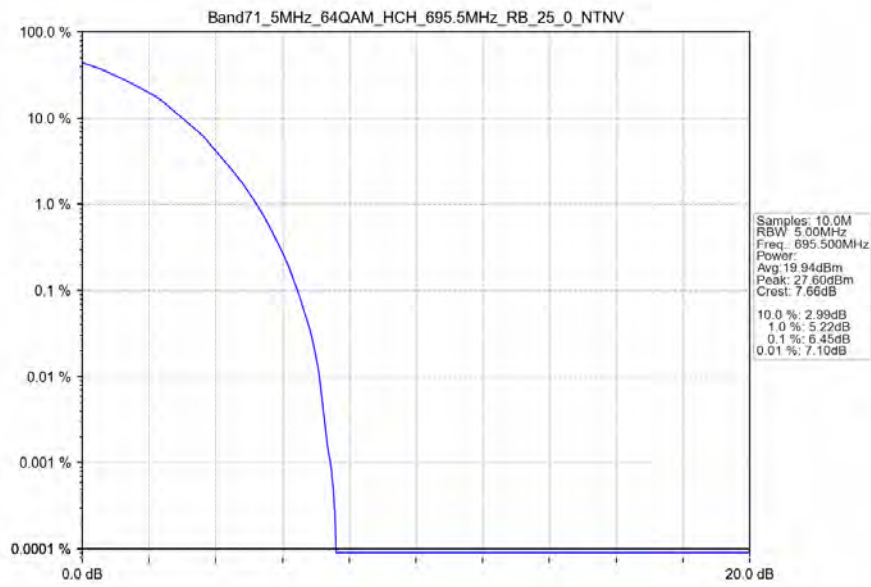
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	673	100	0	6.65	<=13	Pass
	683	100	0	6.62	<=13	Pass
	688	100	0	6.62	<=13	Pass

4.2 Test Graph

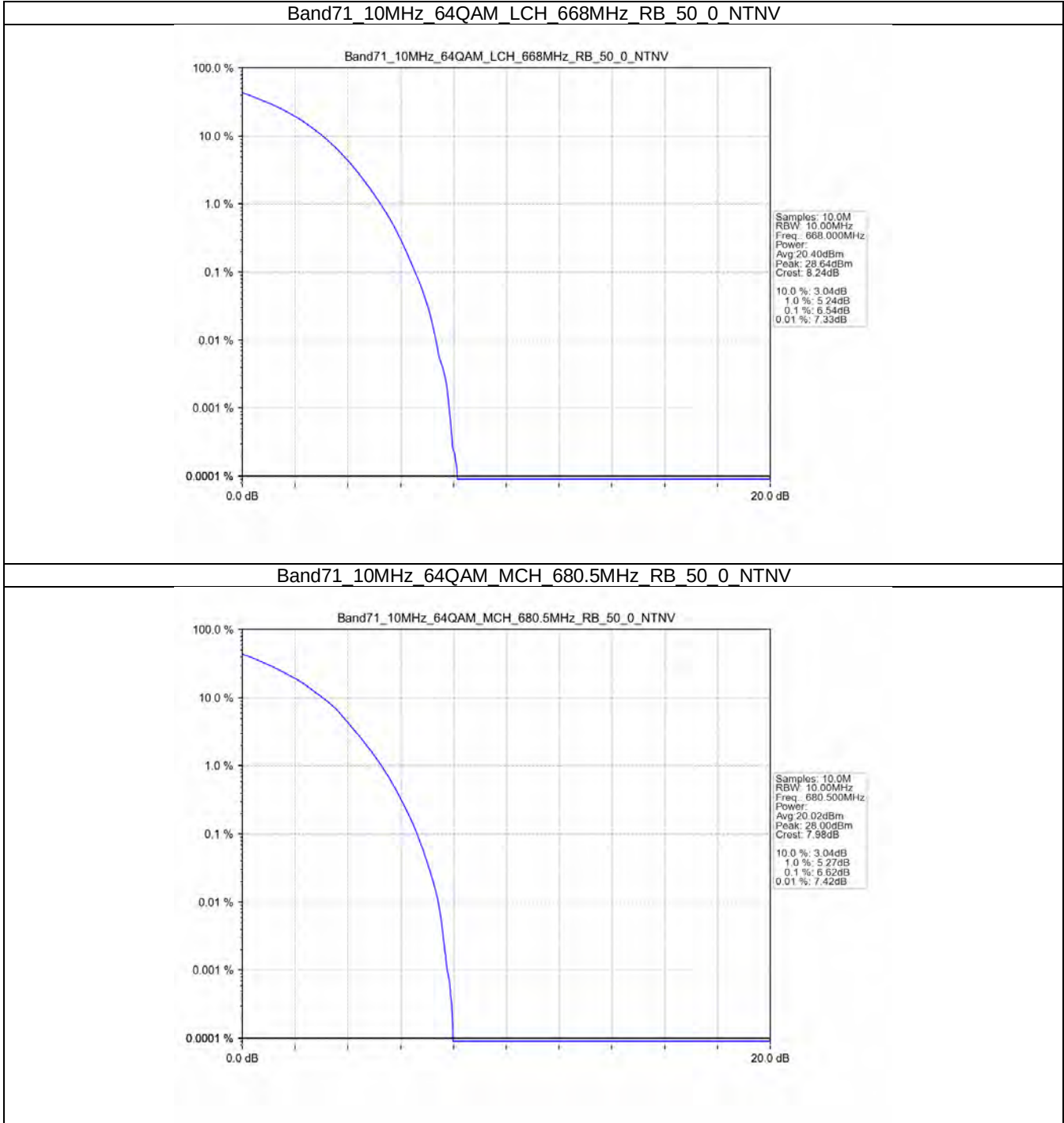
4.2.1 B71_5MHz



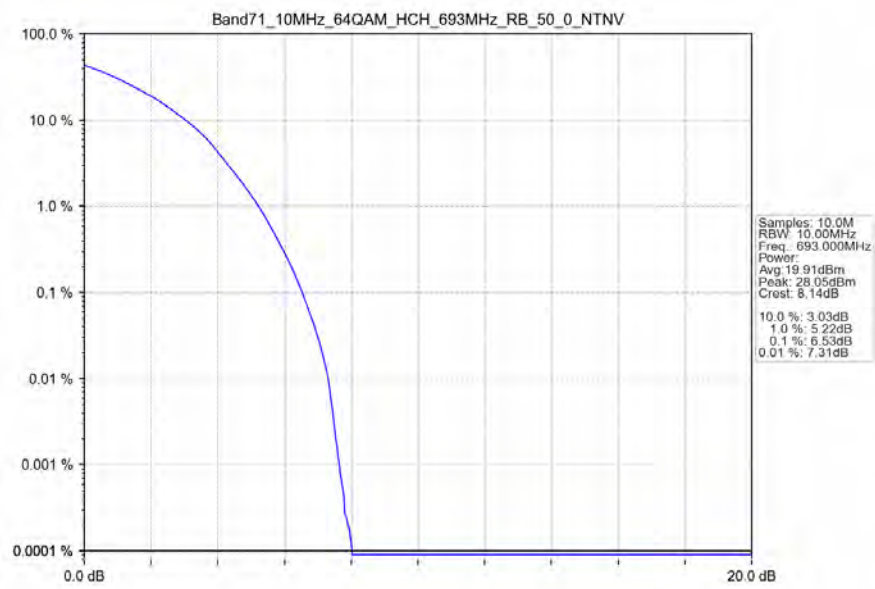
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



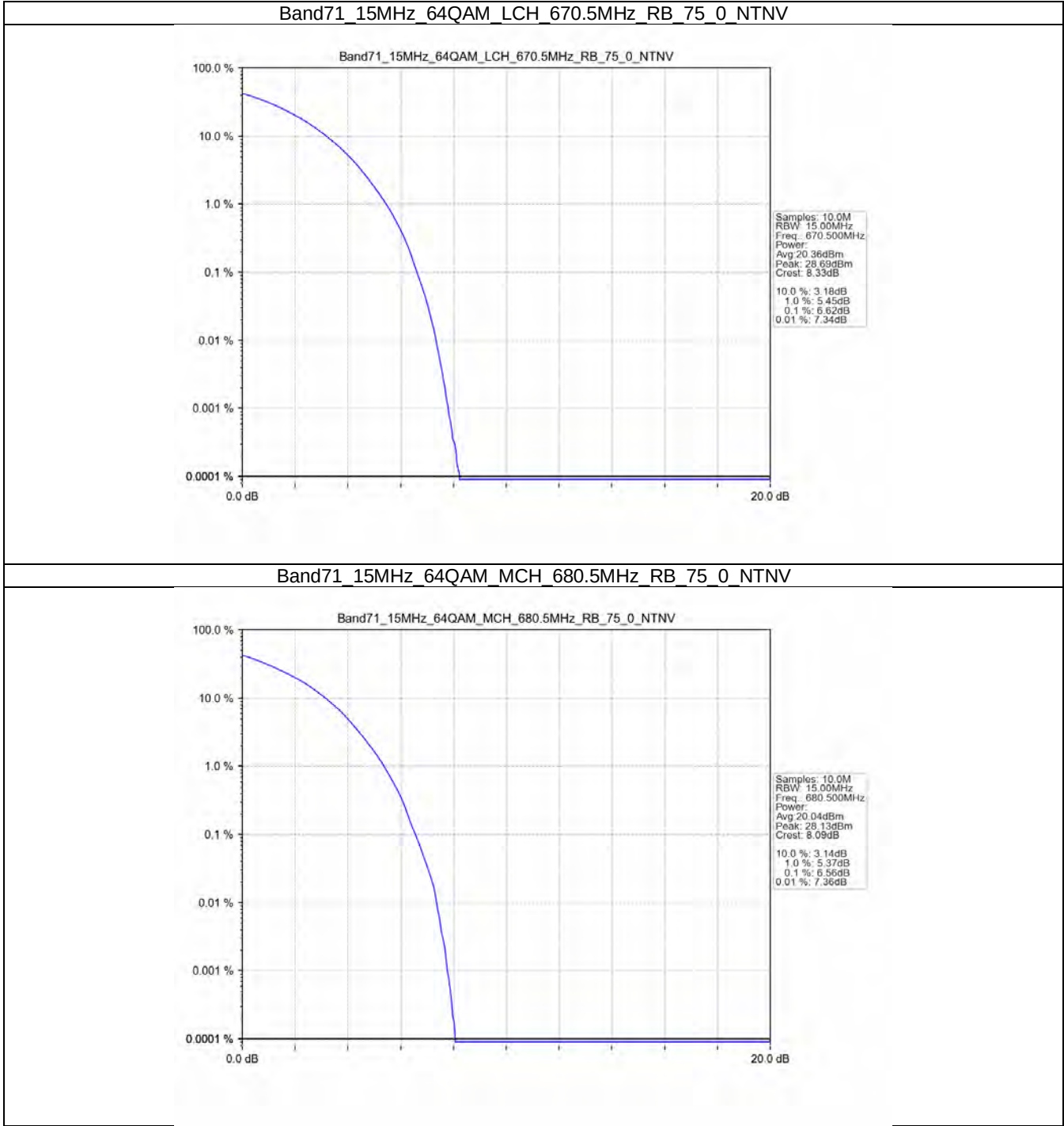
4.2.2 B71_10MHz



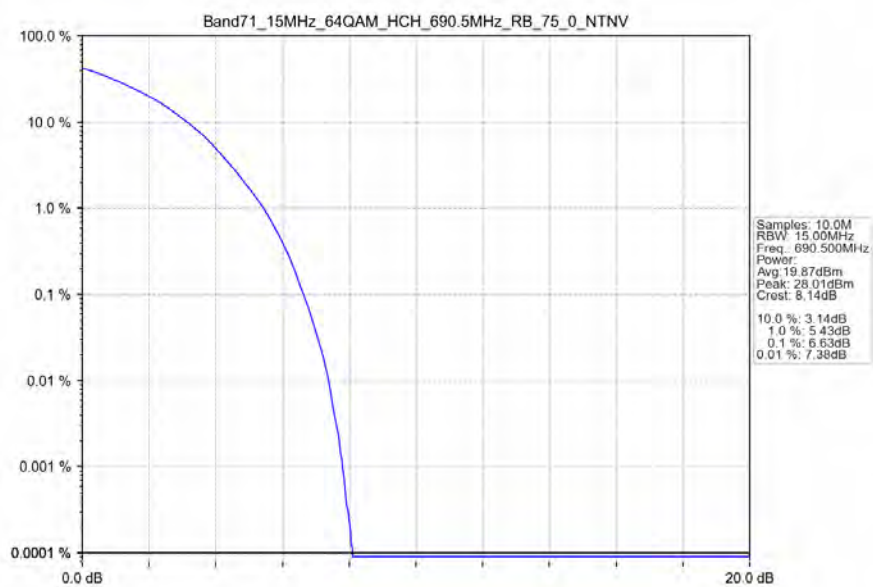
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



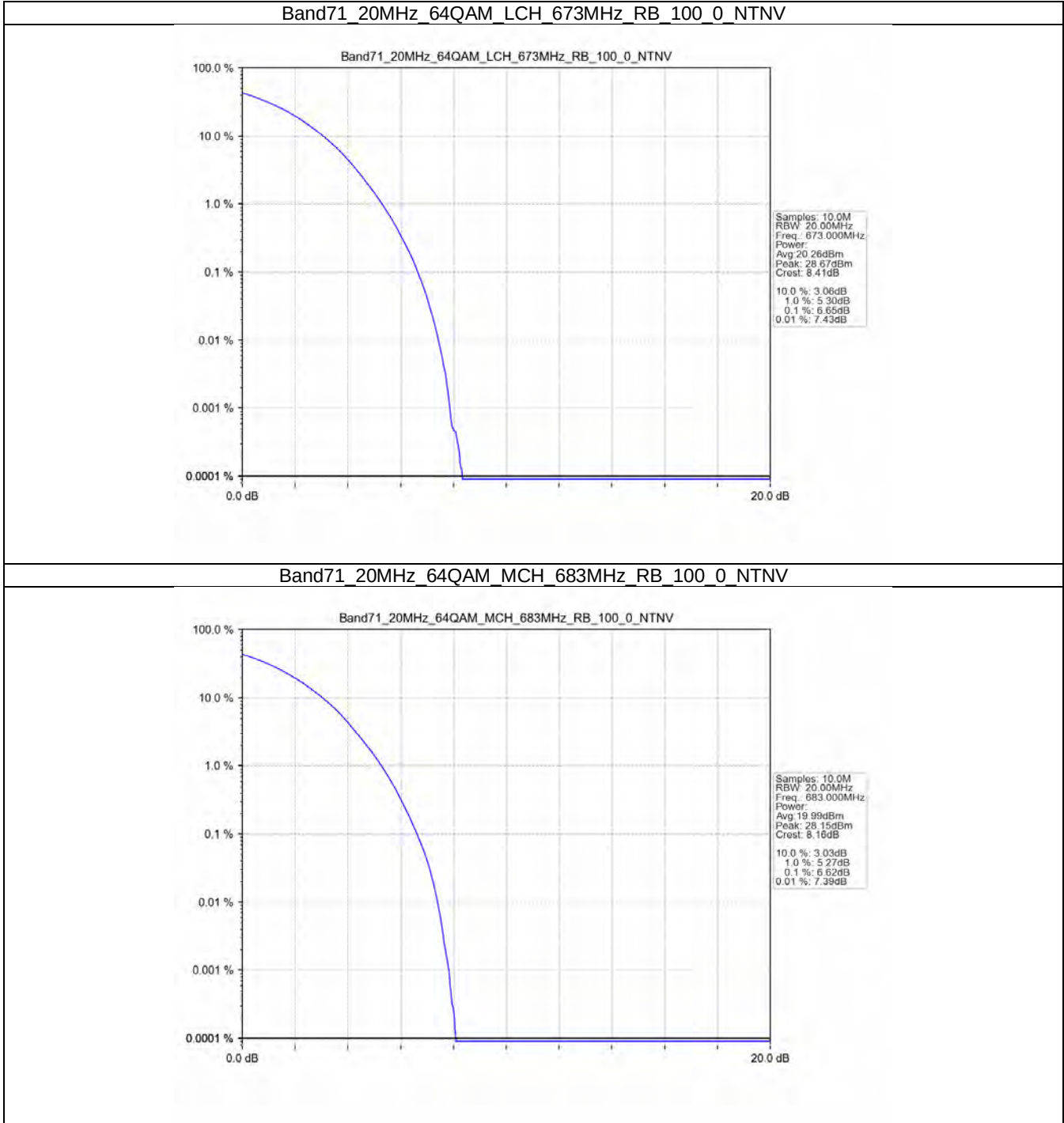
4.2.3 B71_15MHz



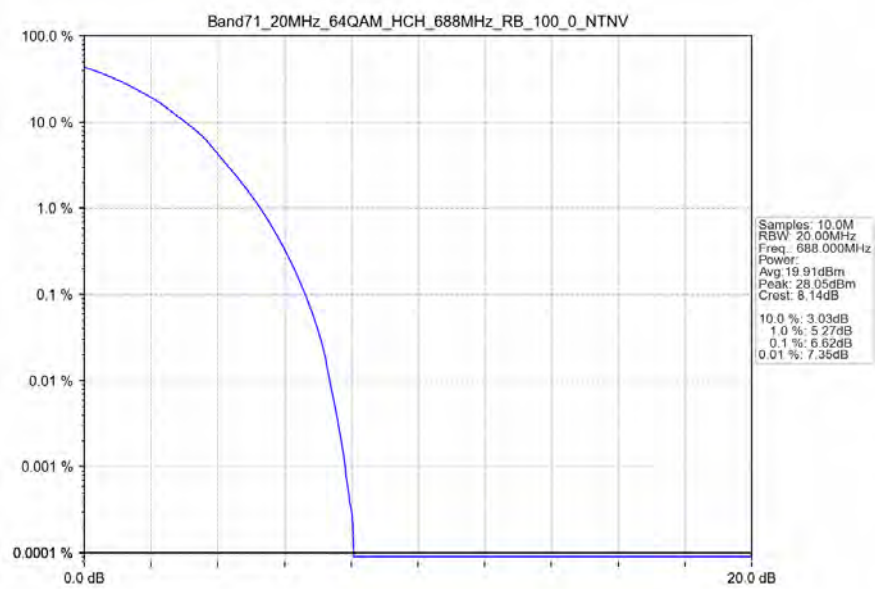
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



4.2.4 B71_20MHz



Band71_20MHz_64QAM_HCH_688MHz_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	
64QAM	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	
	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	
64QAM	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	
64QAM	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

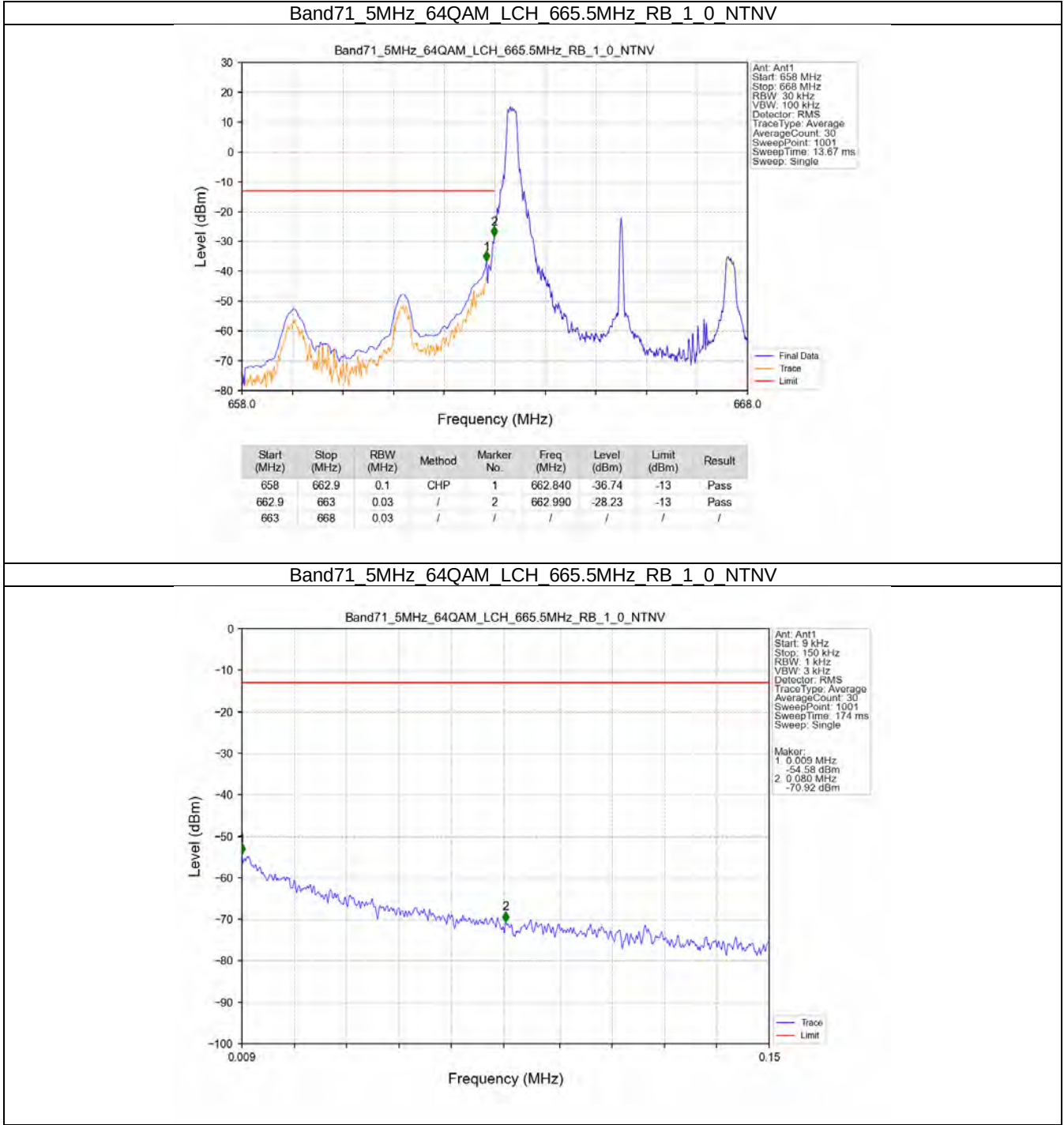
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass

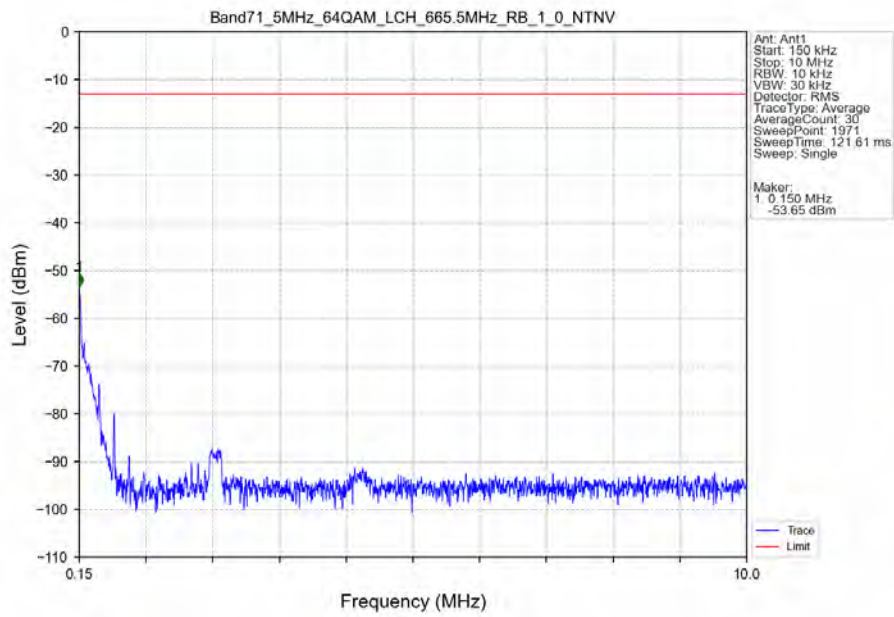
	688	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

5.2 Test Graph

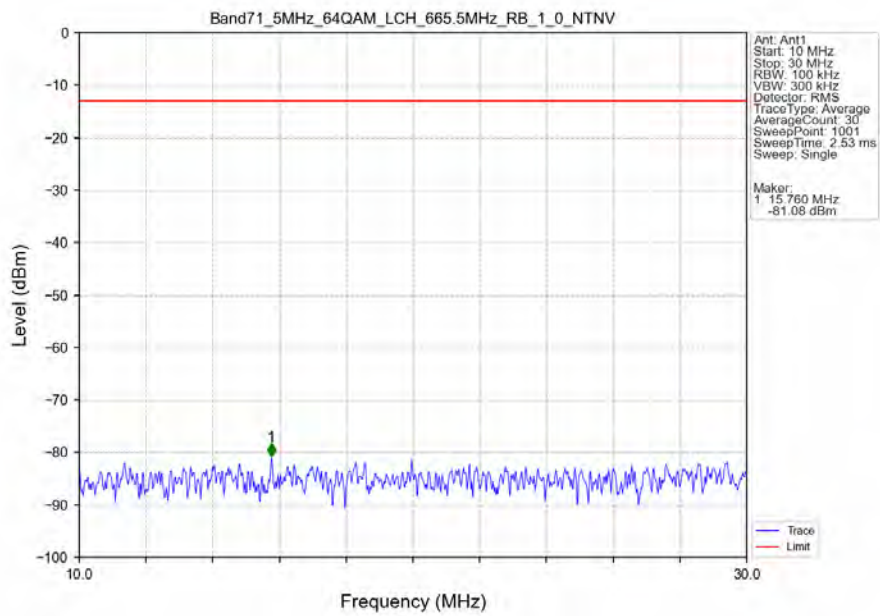
5.2.1 B71_5MHz



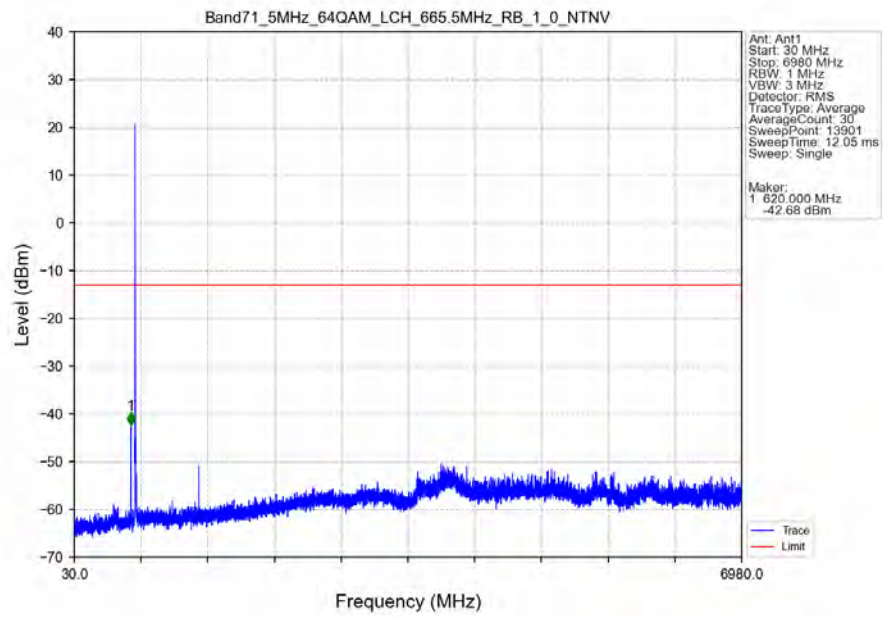
Band71_5MHz_64QAM_LCH_665.5MHz_RB_1_0_NTNV



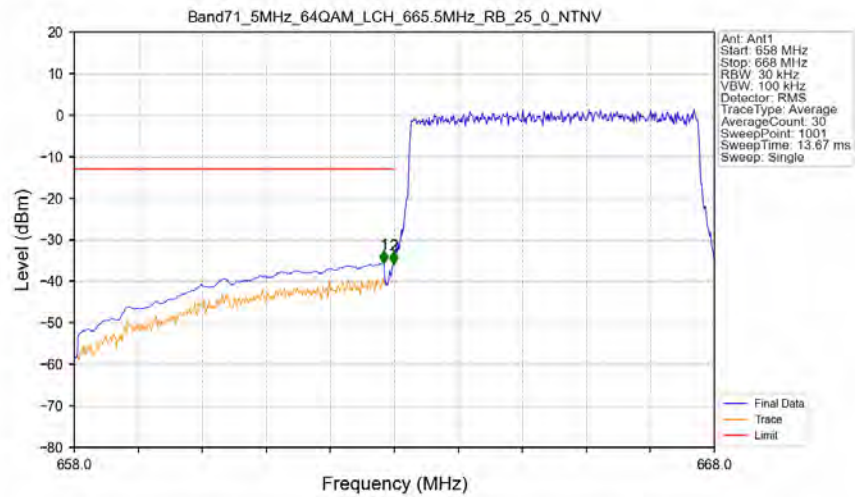
Band71_5MHz_64QAM_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_64QAM_LCH_665.5MHz_RB_1_0_NTNV

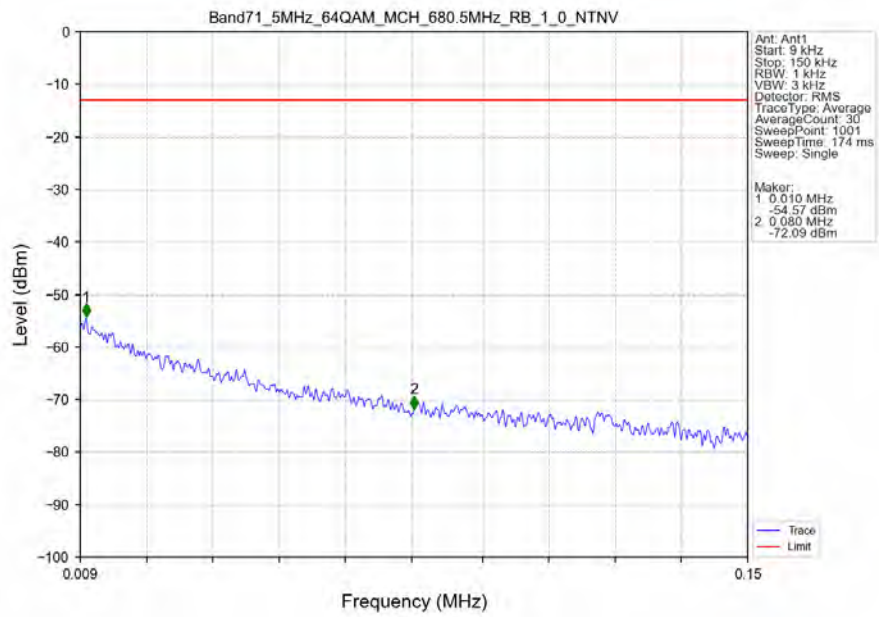


Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV

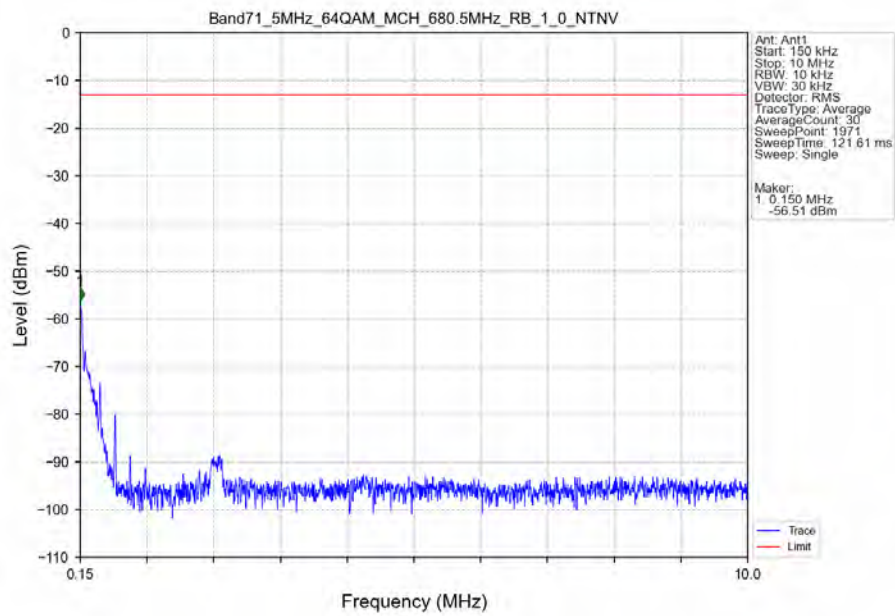


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-35.62	-13	Pass
662.9	663	0.03	/	2	662.990	-35.94	-13	Pass
663	668	0.03	/	/	/	/	/	/

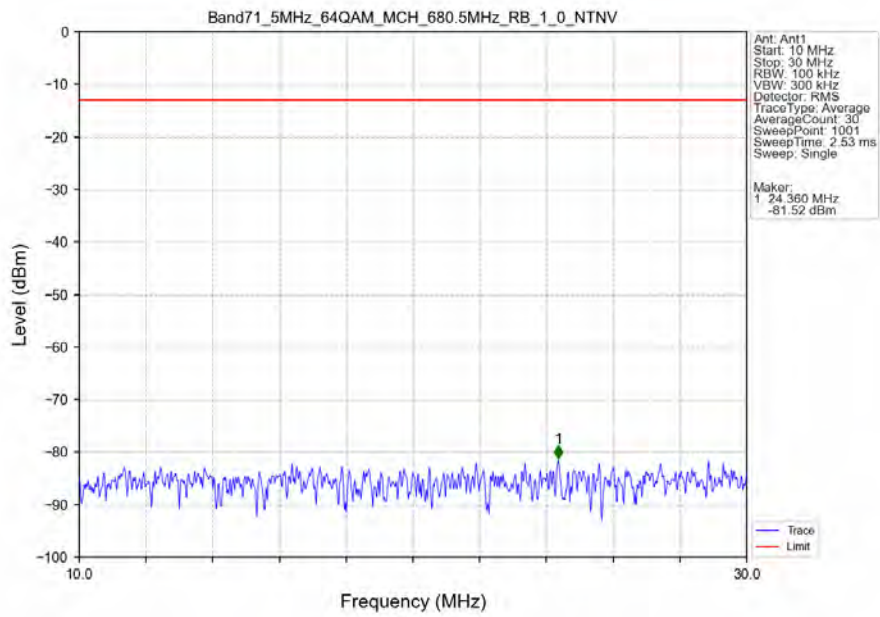
Band71_5MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



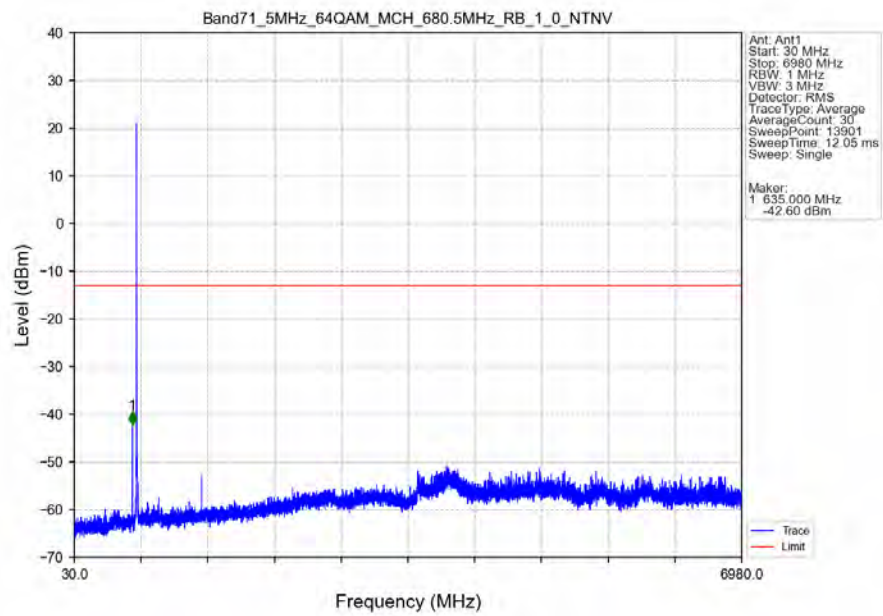
Band71_5MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



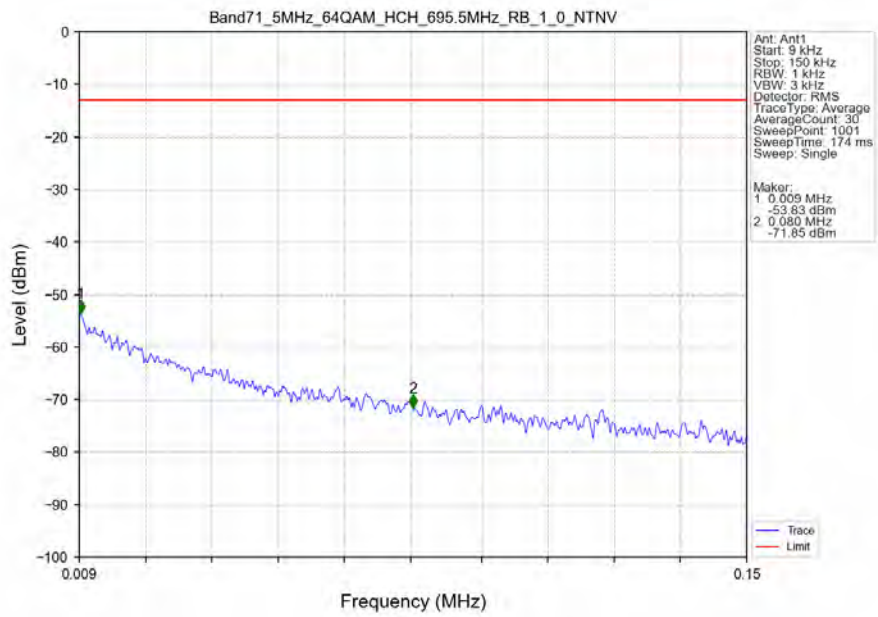
Band71_5MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



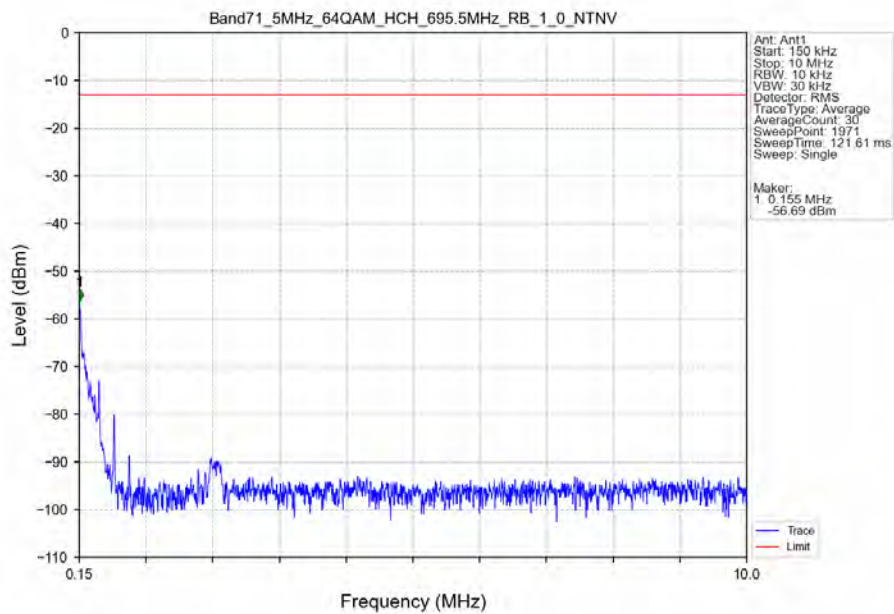
Band71_5MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



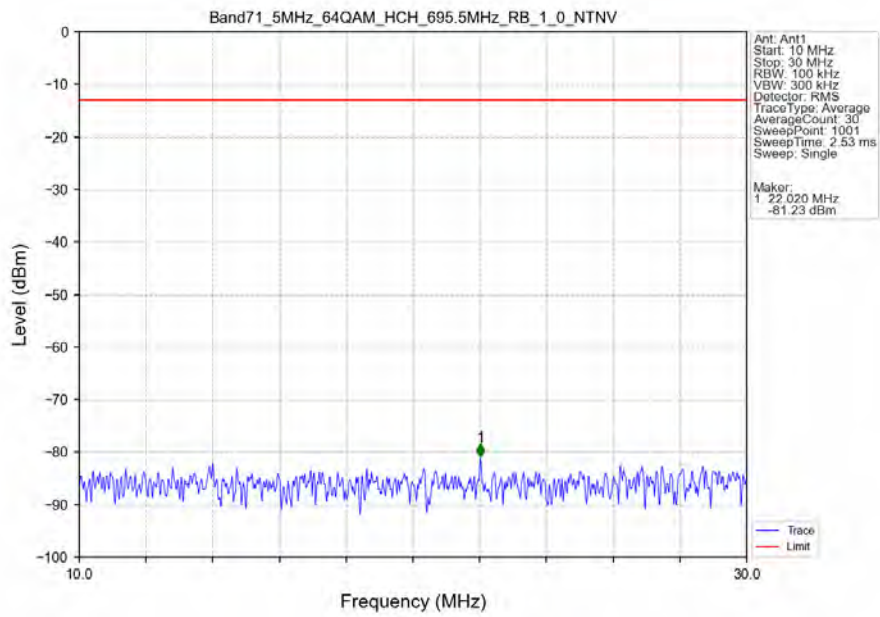
Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_0_NTNV



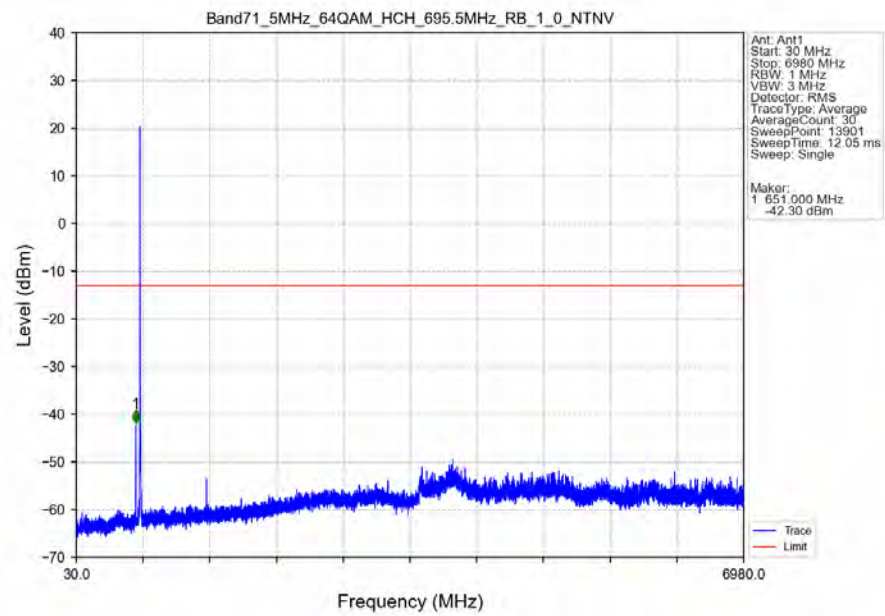
Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_0_NTNV



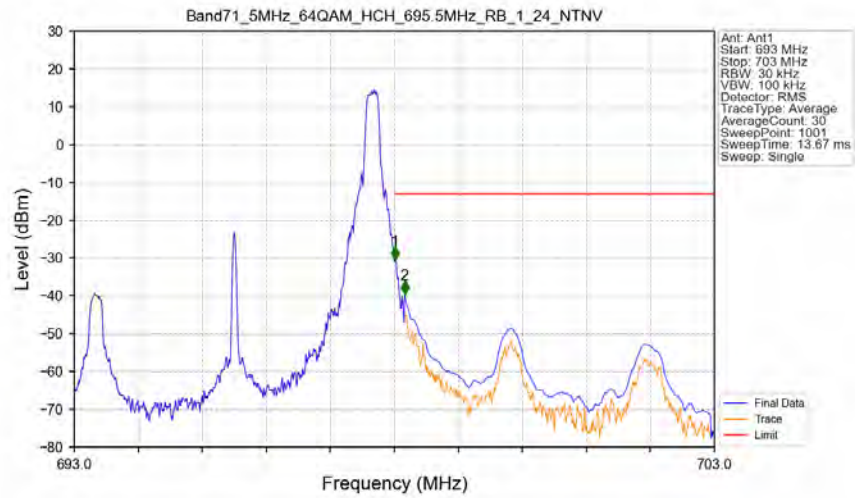
Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_0_NTNV

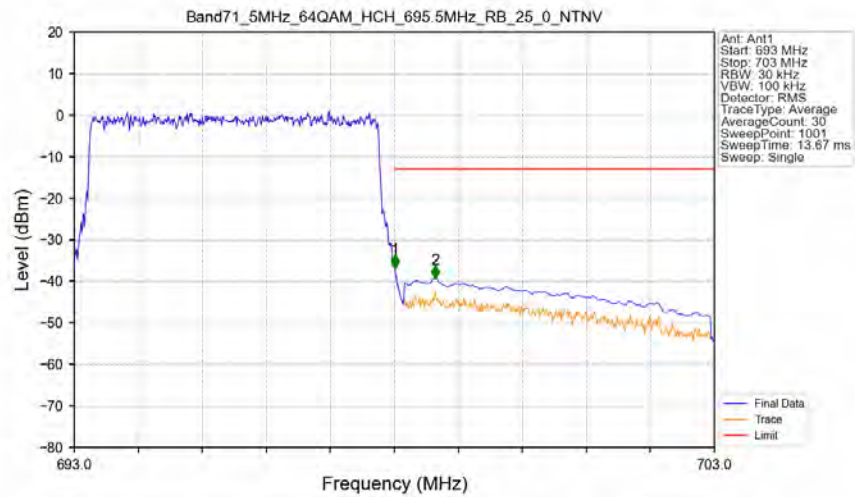


Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_24_NTNV



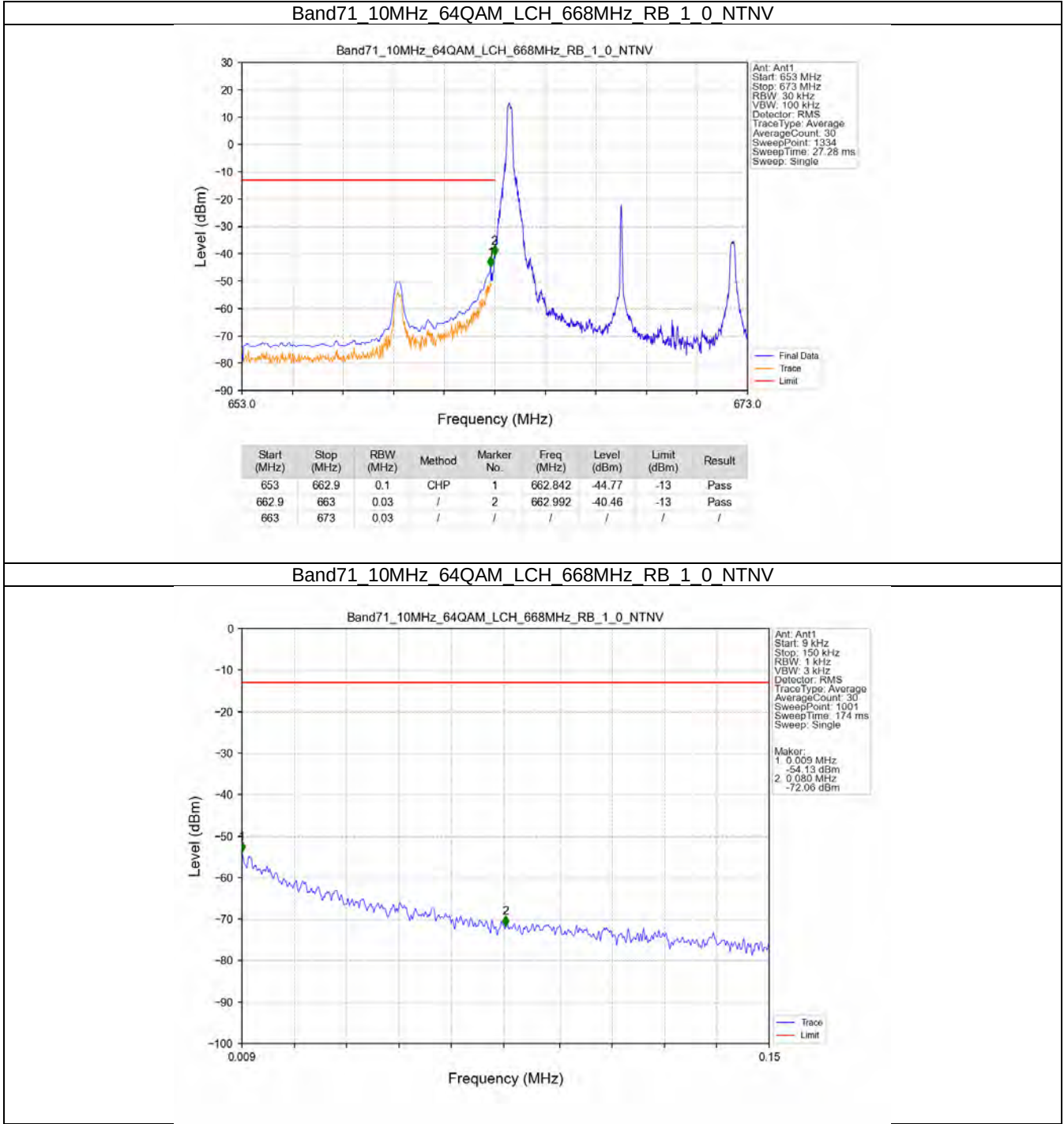
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.010	-30.38	-13	Pass
698.1	703	0.1	CHP	2	698.160	-39.49	-13	Pass

Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV

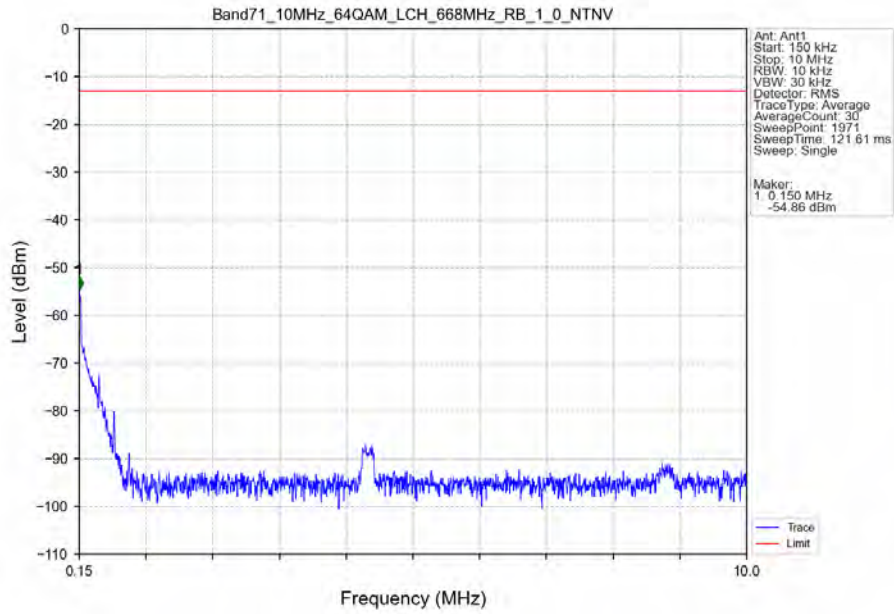


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.010	-36.70	-13	Pass
698.1	703	0.1	CHP	2	698.640	-39.33	-13	Pass

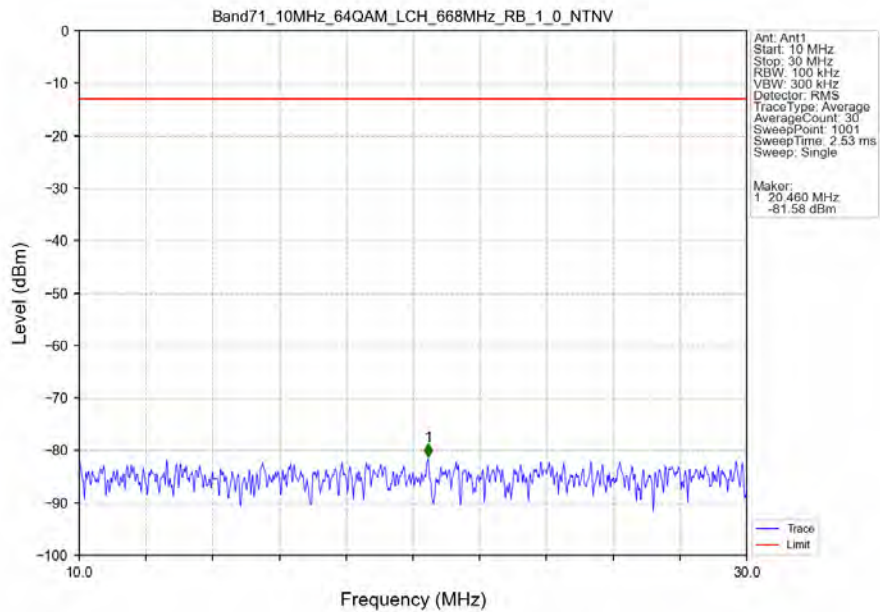
5.2.2 B71_10MHz



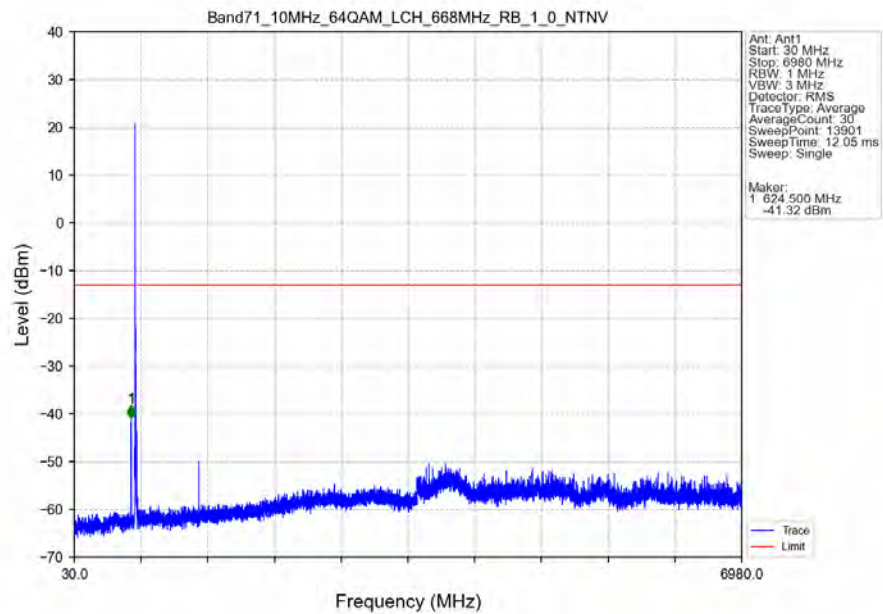
Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV



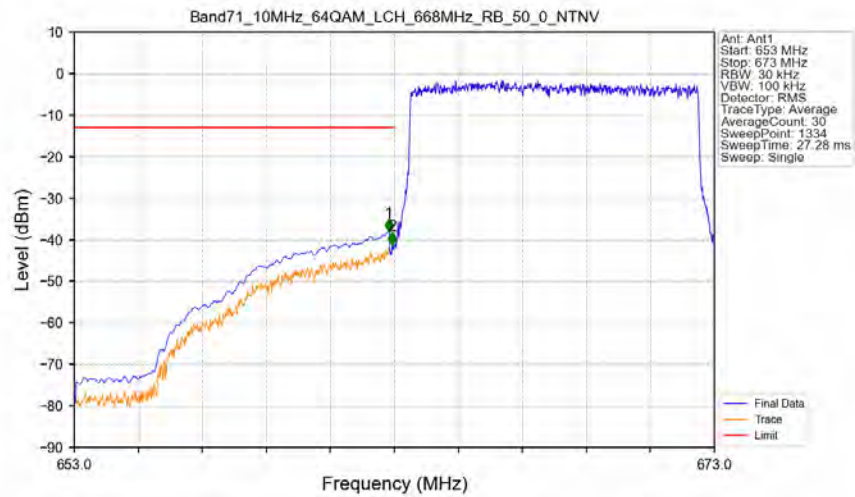
Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV

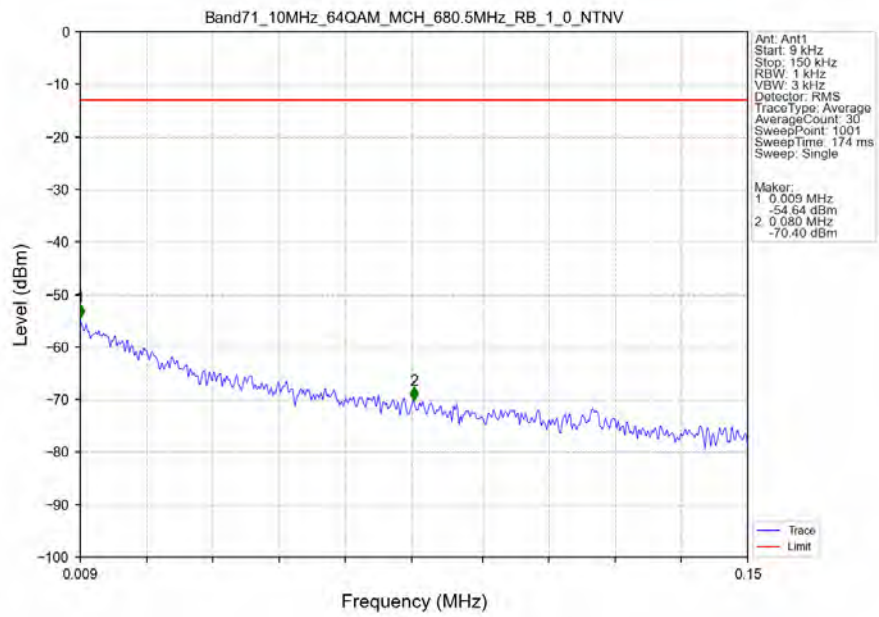


Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV

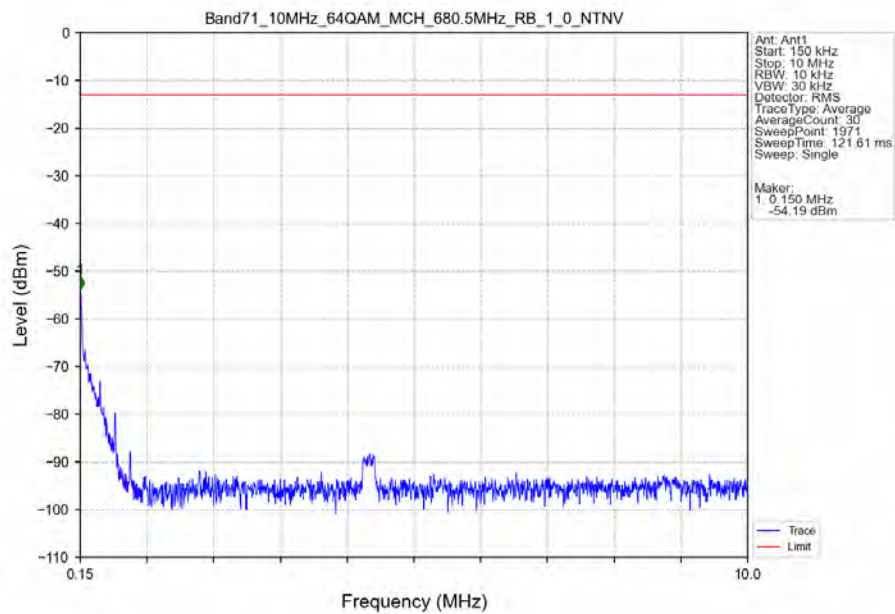


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.827	-38.01	-13	Pass
662.9	663	0.03	/	2	662.932	-41.22	-13	Pass
663	673	0.03	/	/	/	/	/	/

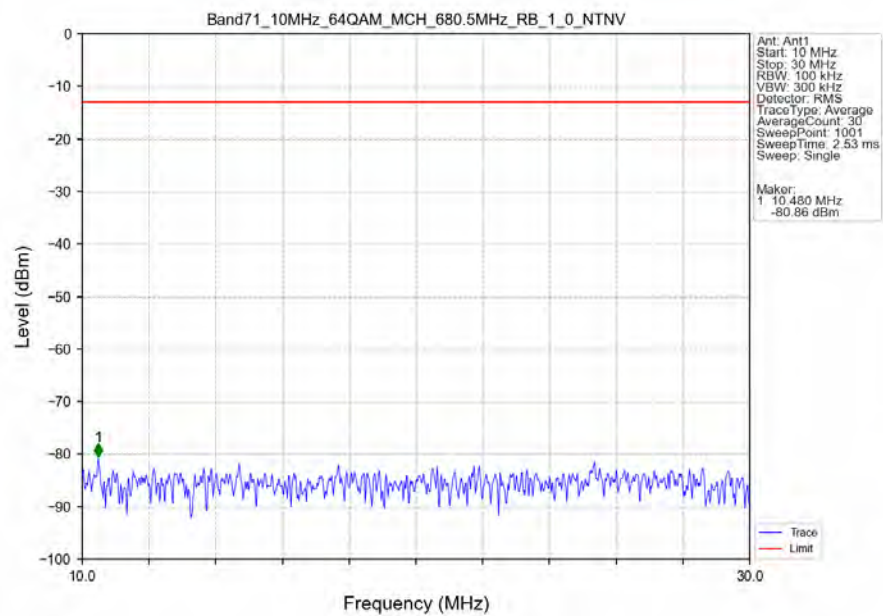
Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



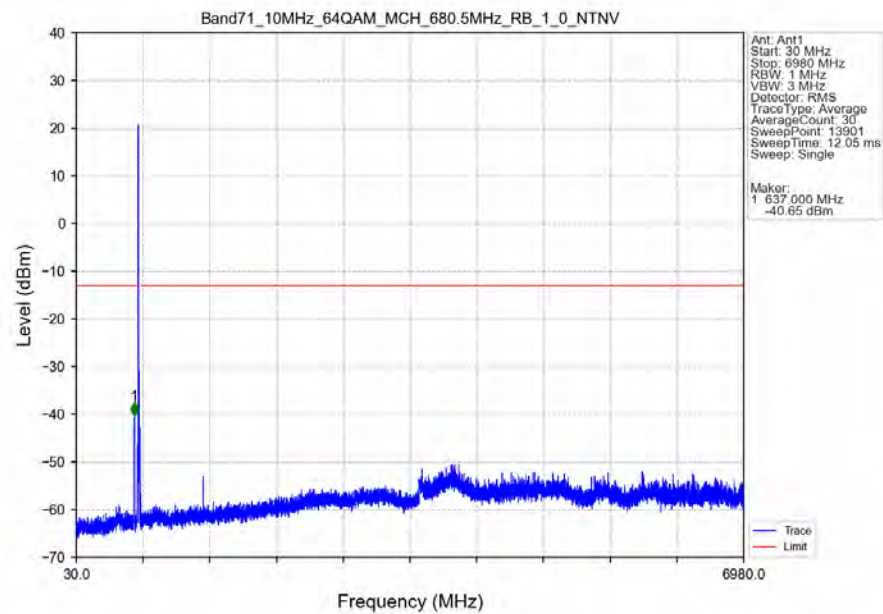
Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



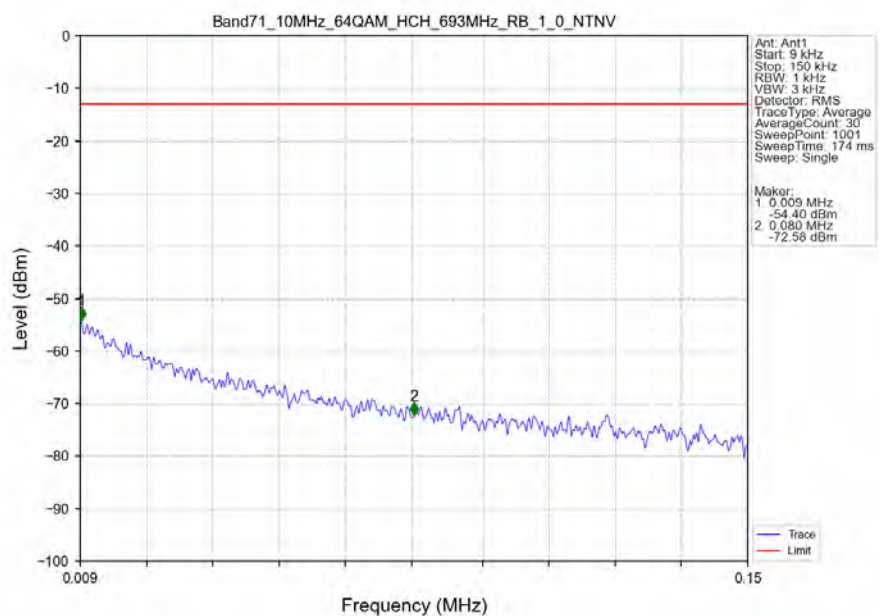
Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



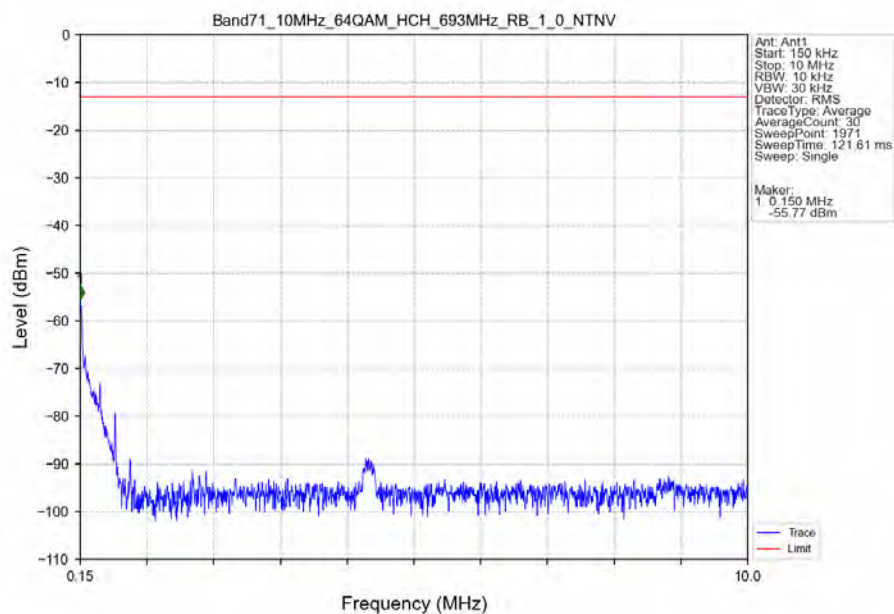
Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



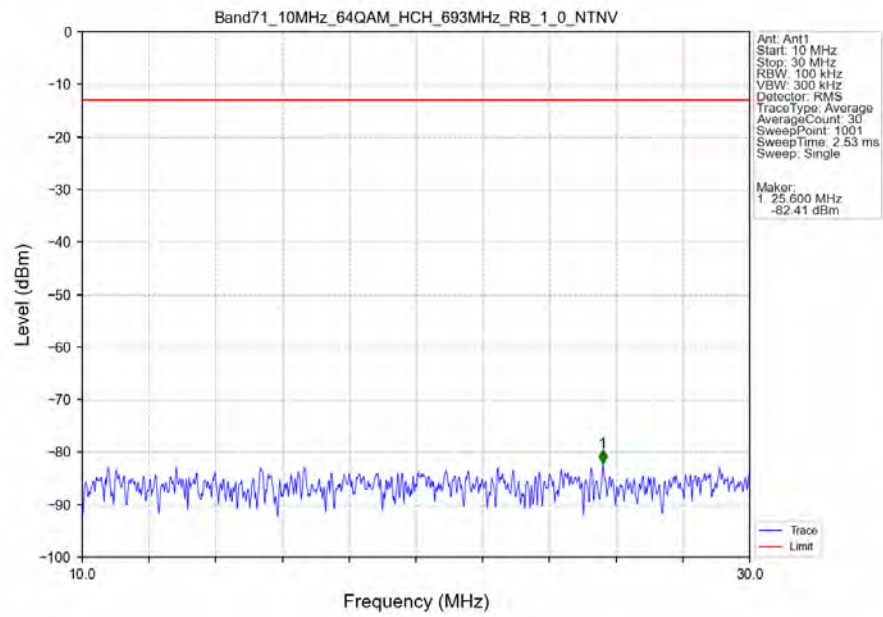
Band71_10MHz_64QAM_HCH_693MHz_RB_1_0_NTNV



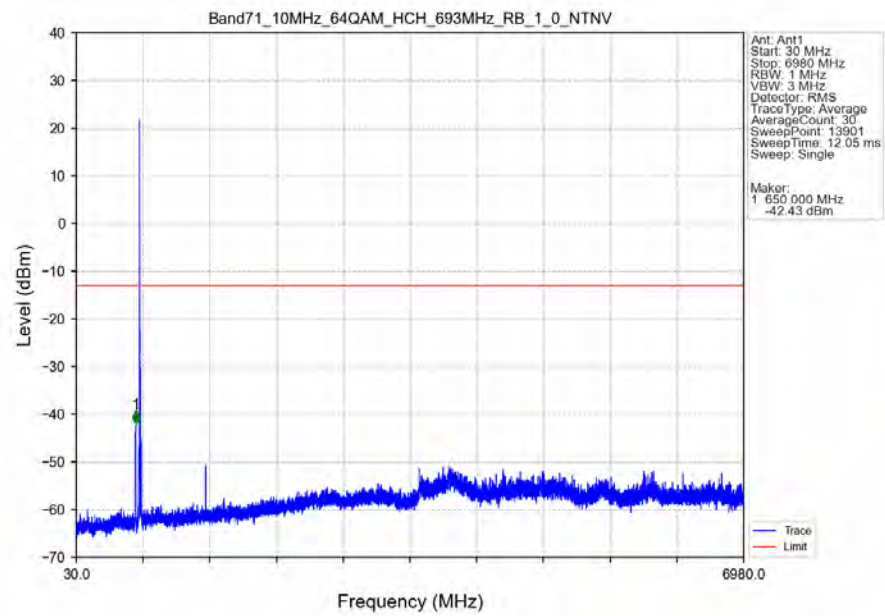
Band71_10MHz_64QAM_HCH_693MHz_RB_1_0_NTNV



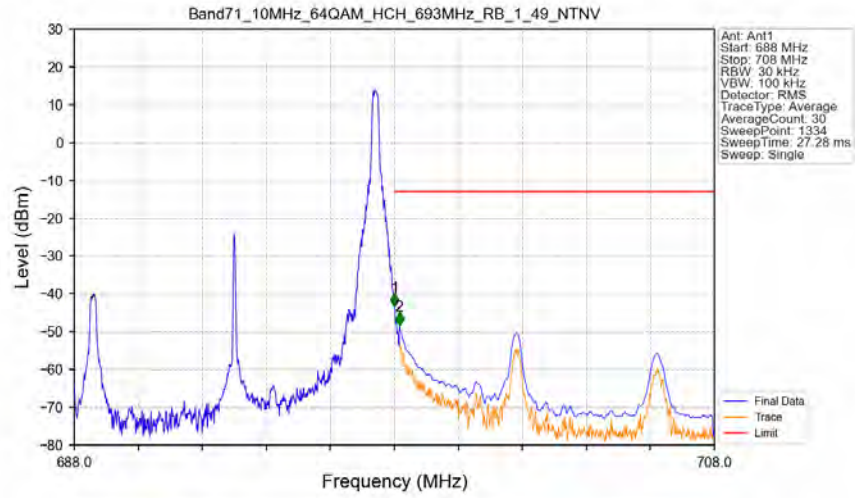
Band71_10MHz_64QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_64QAM_HCH_693MHz_RB_1_0_NTNV

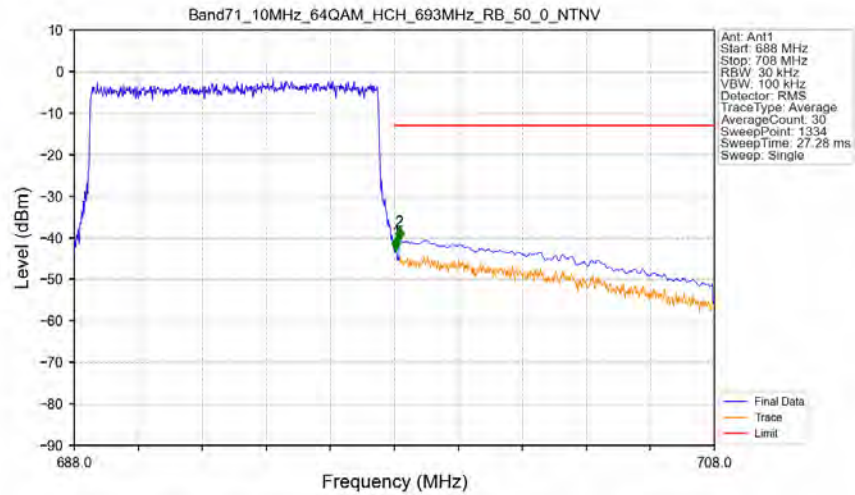


Band71_10MHz_64QAM_HCH_693MHz_RB_1_49_NTNV



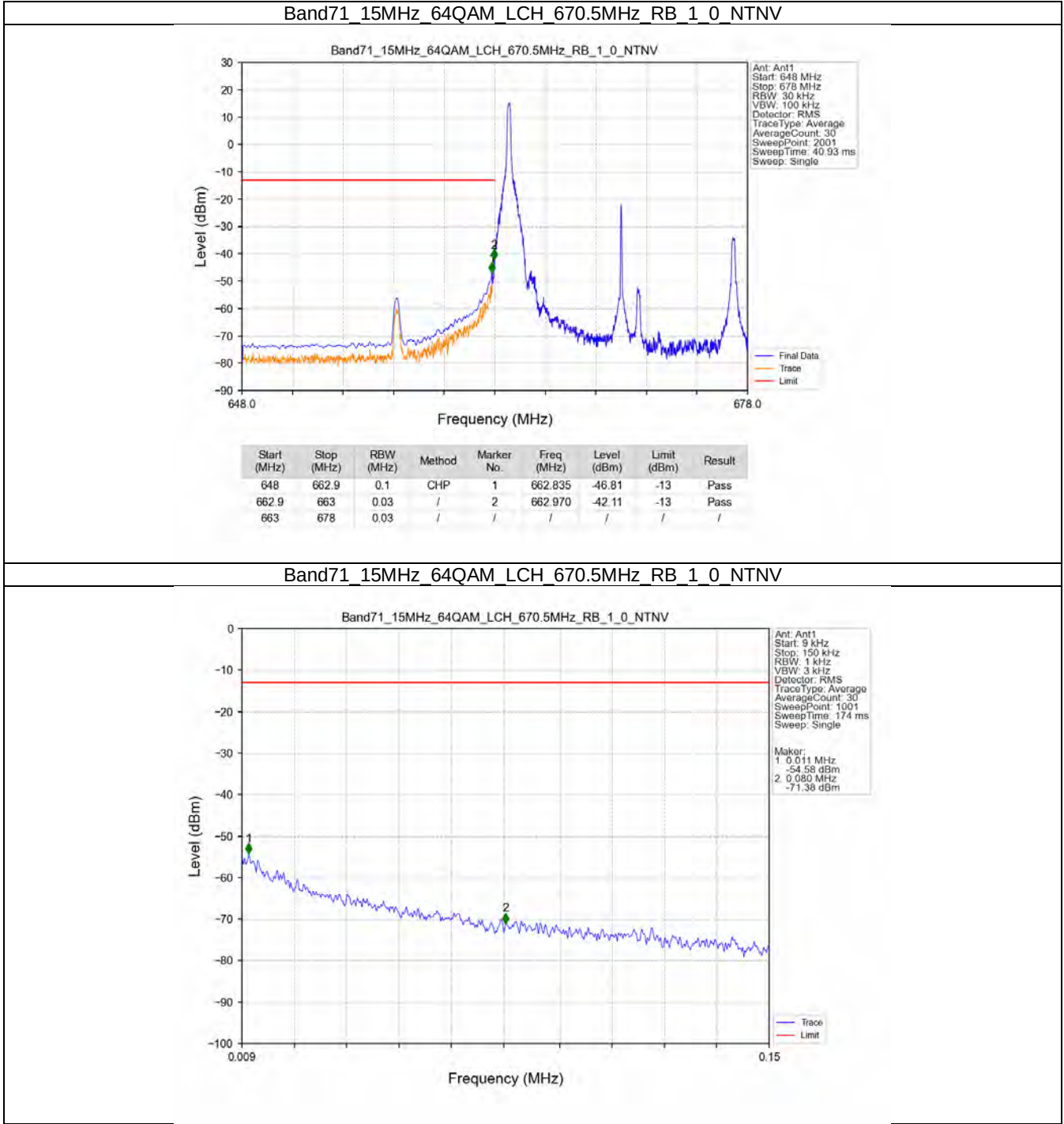
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.053	-43.36	-13	Pass
698.1	708	0.1	CHP	2	698.158	-48.24	-13	Pass

Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV

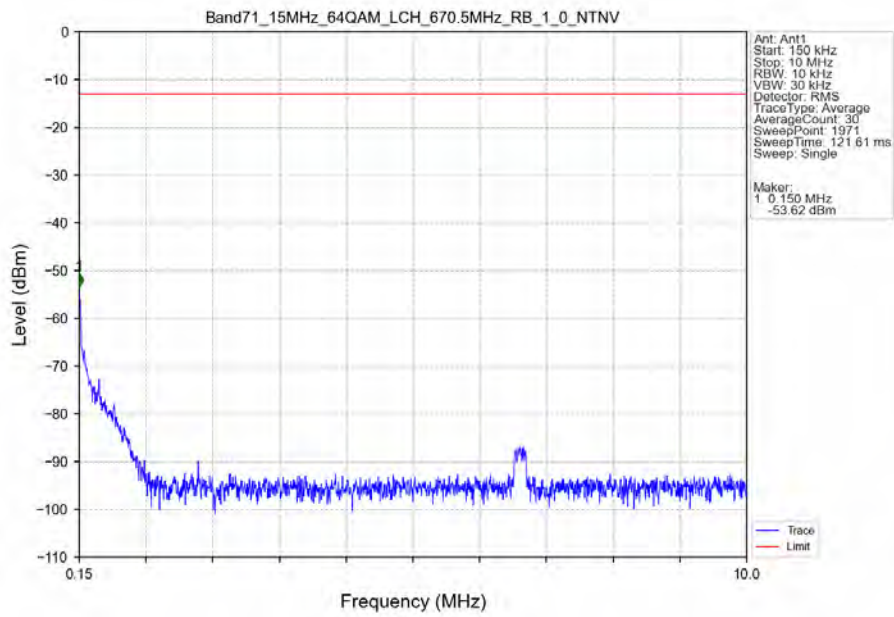


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.053	-42.90	-13	Pass
698.1	708	0.1	CHP	2	698.158	-40.50	-13	Pass

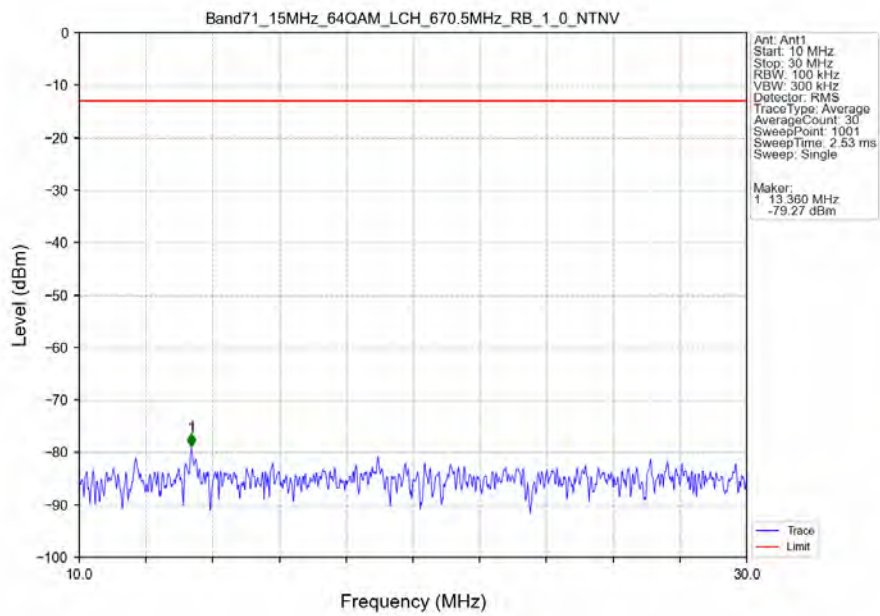
5.2.3 B71_15MHz



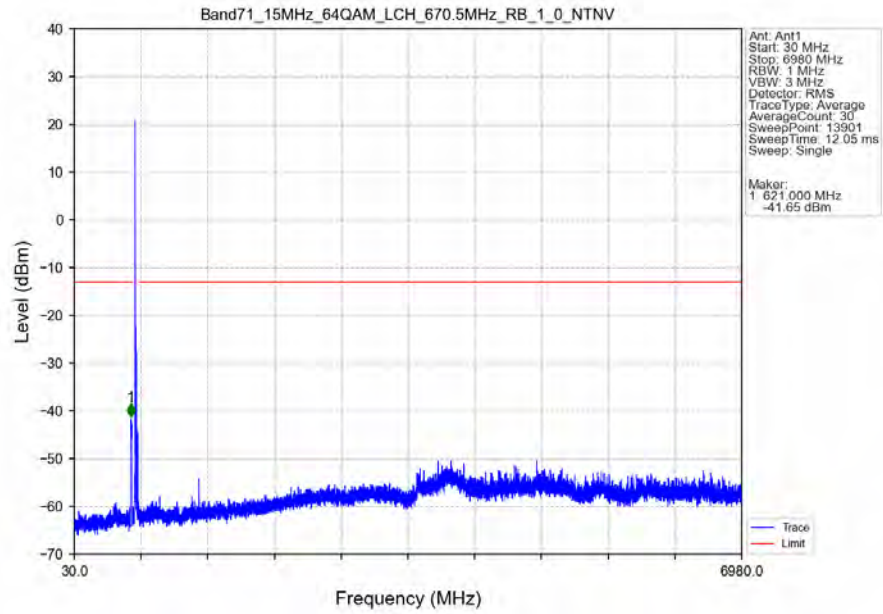
Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV



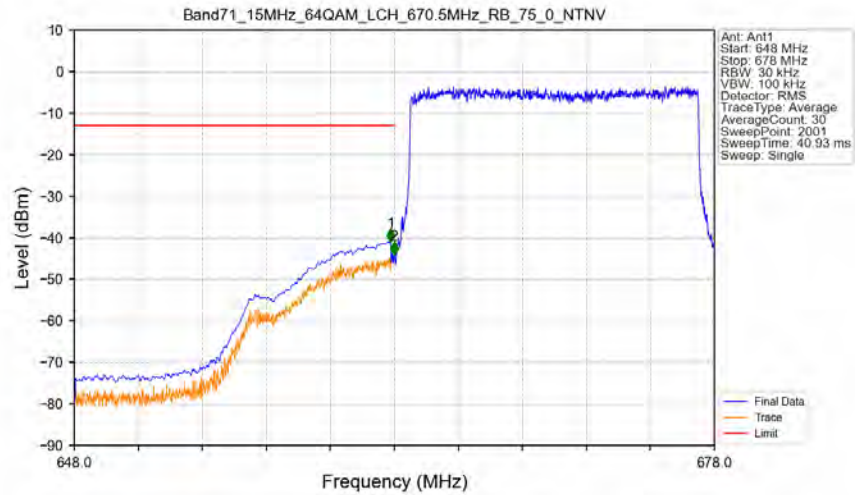
Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV

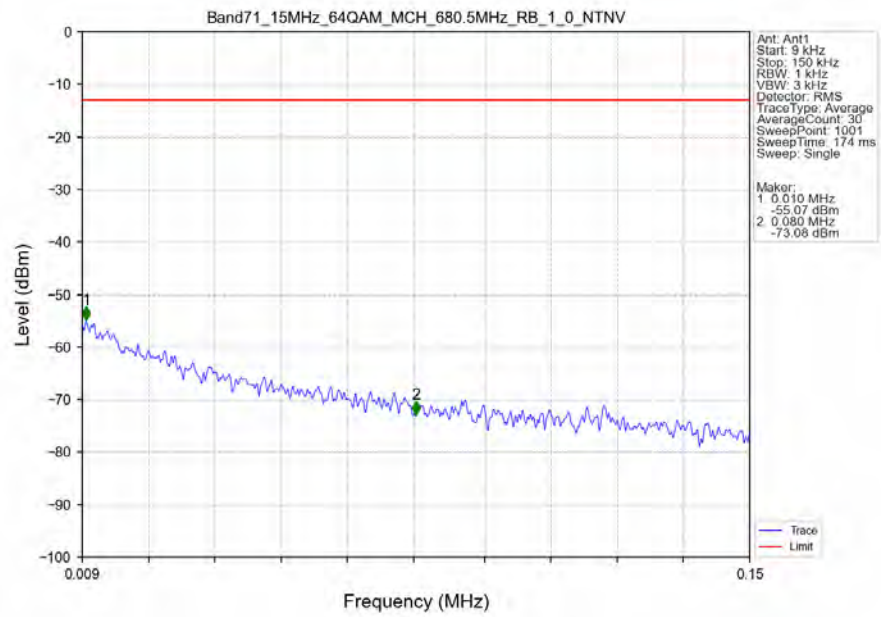


Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV

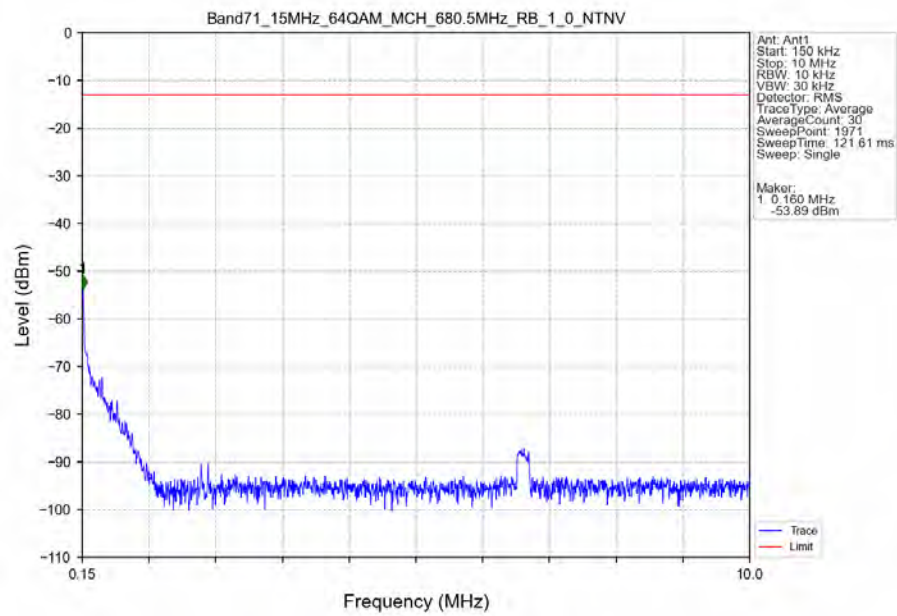


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-40.87	-13	Pass
662.9	663	0.03	/	2	662.985	-44.12	-13	Pass
663	678	0.03	/	/	/	/	/	/

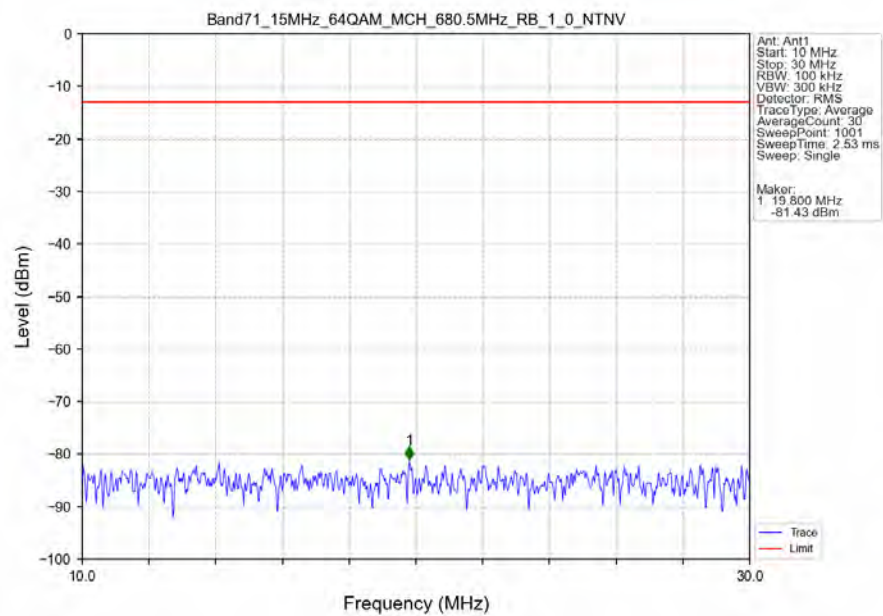
Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



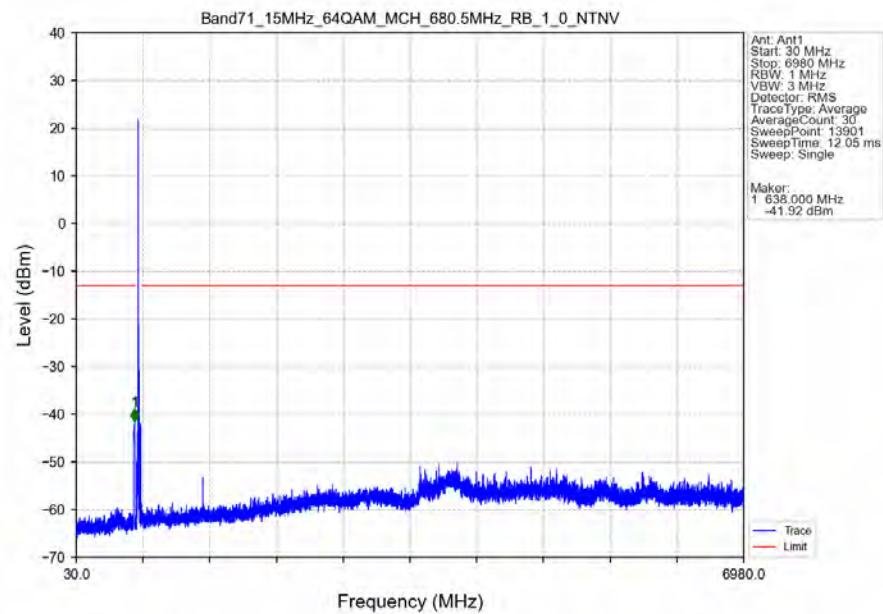
Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



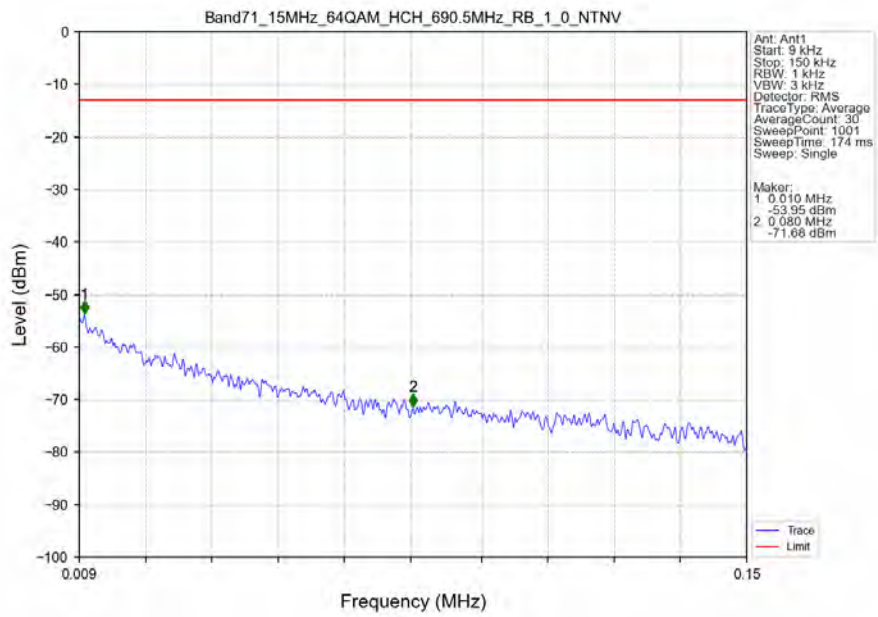
Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



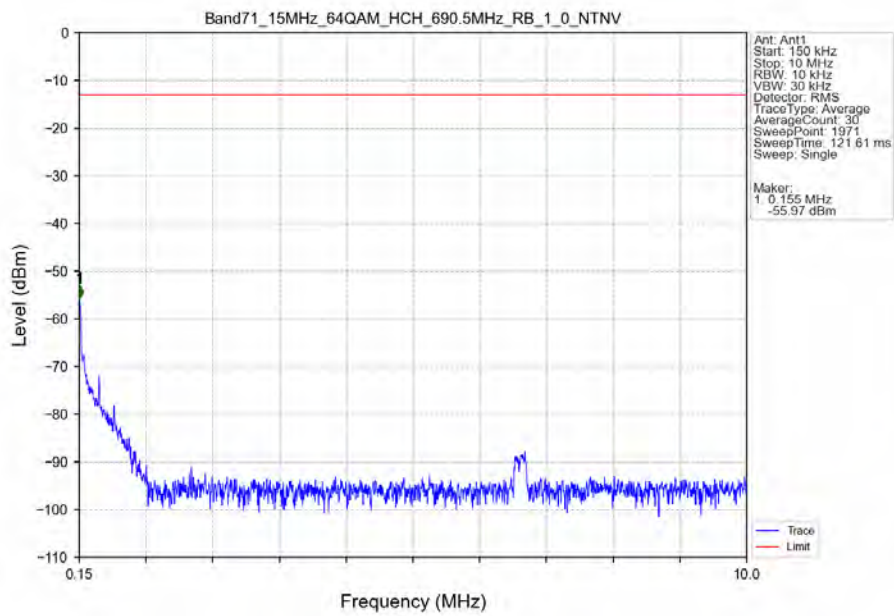
Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



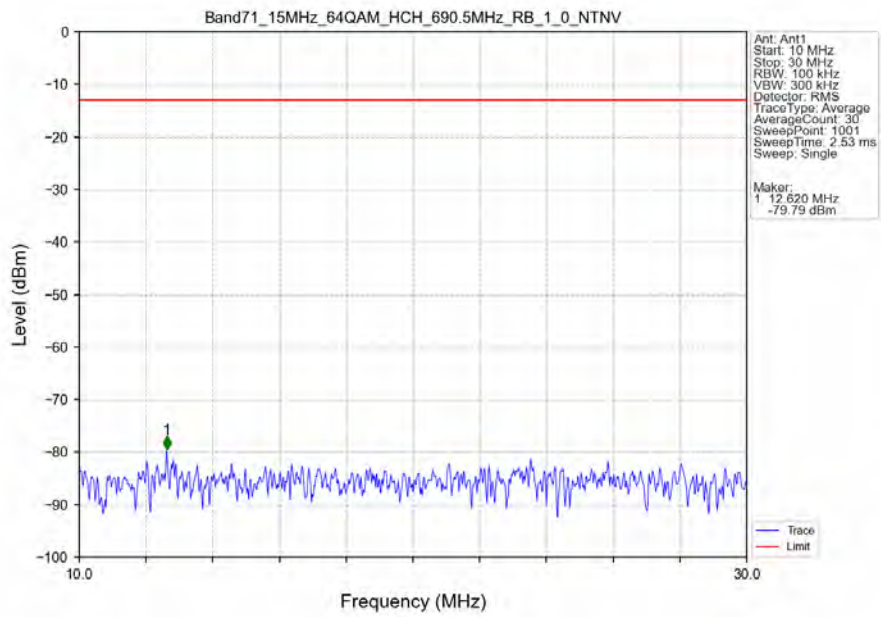
Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_0_NTNV



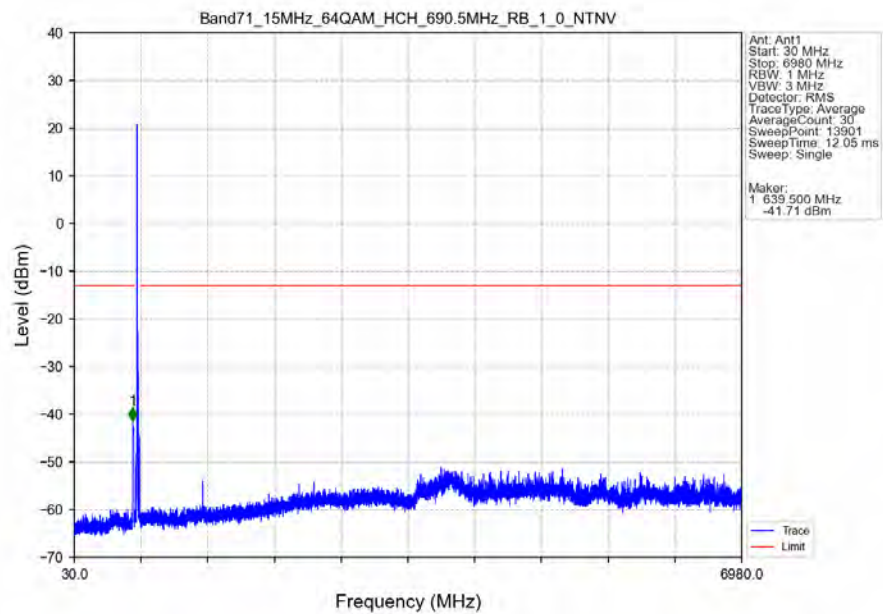
Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_0_NTNV



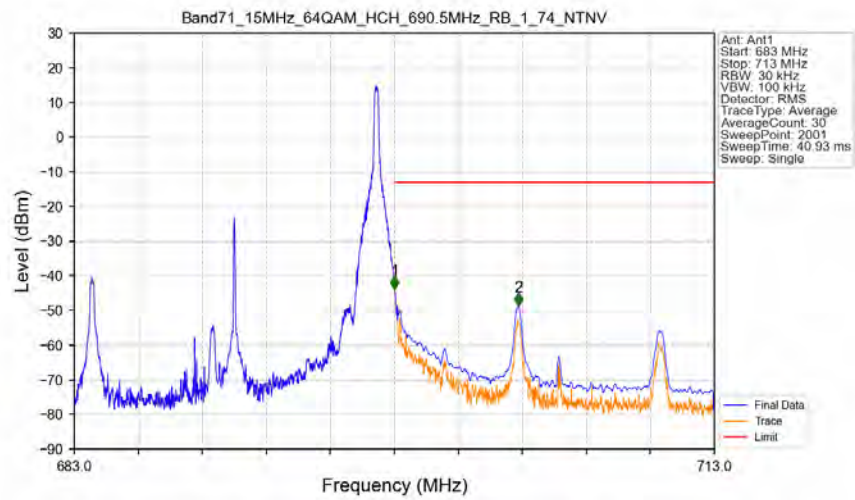
Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_0_NTNV



Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_0_NTNV

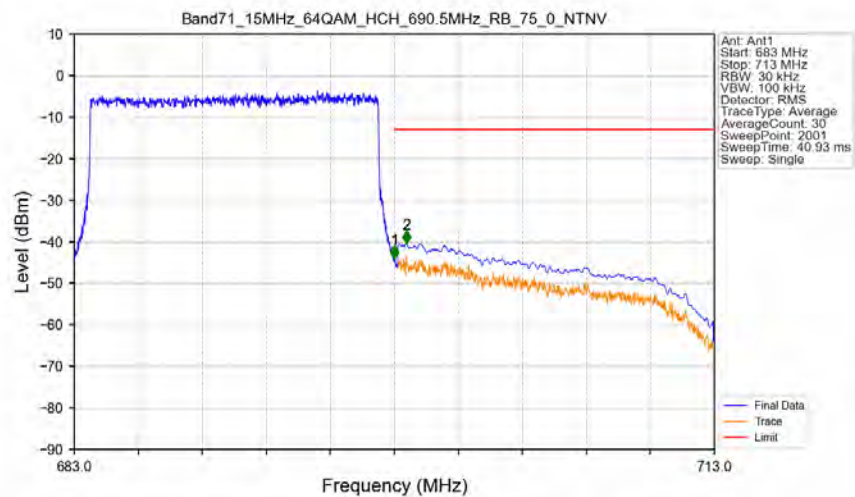


Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_74_NTNV



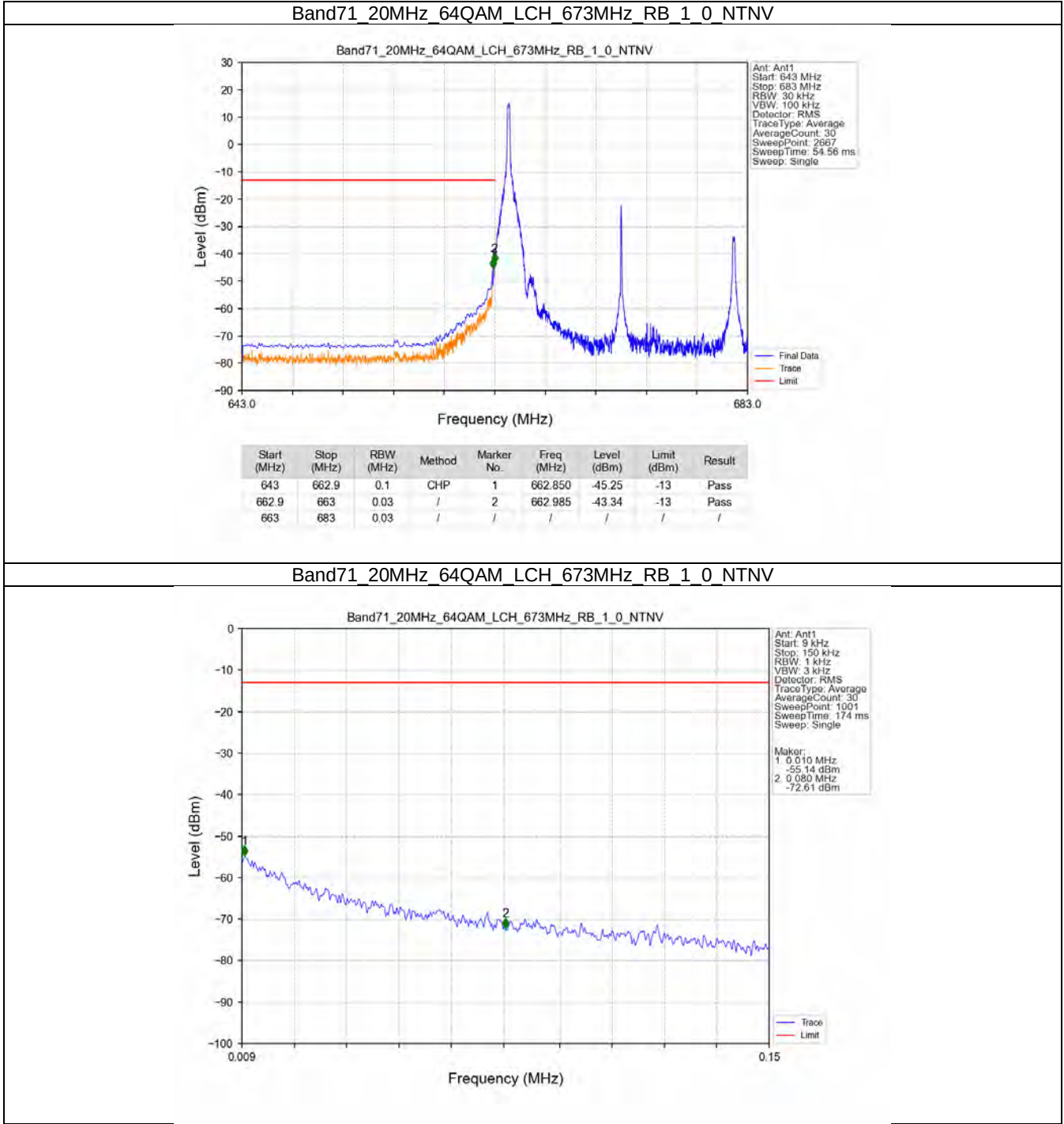
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-43.75	-13	Pass
698.1	713	0.1	CHP	2	703.820	-48.73	-13	Pass

Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV

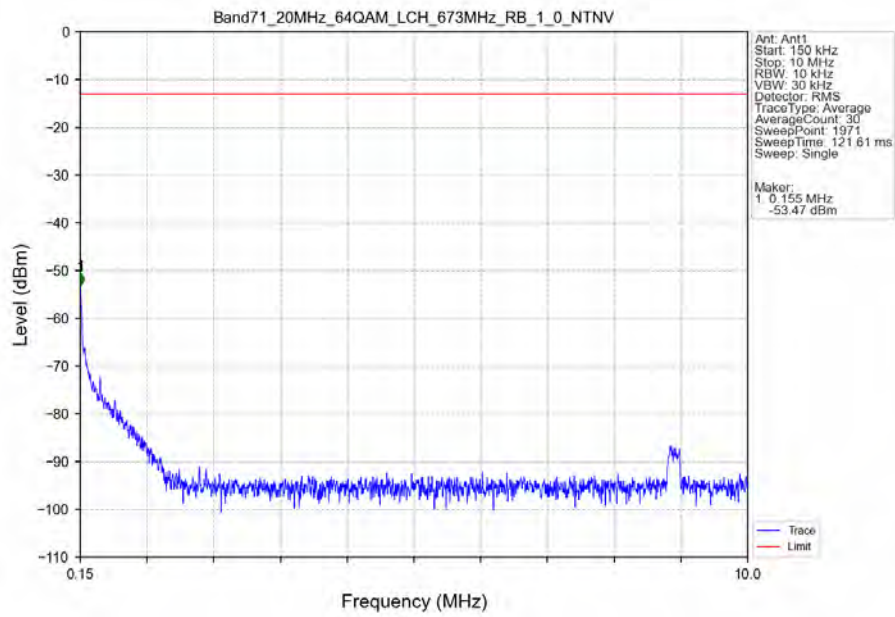


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-44.04	-13	Pass
698.1	713	0.1	CHP	2	698.585	-40.32	-13	Pass

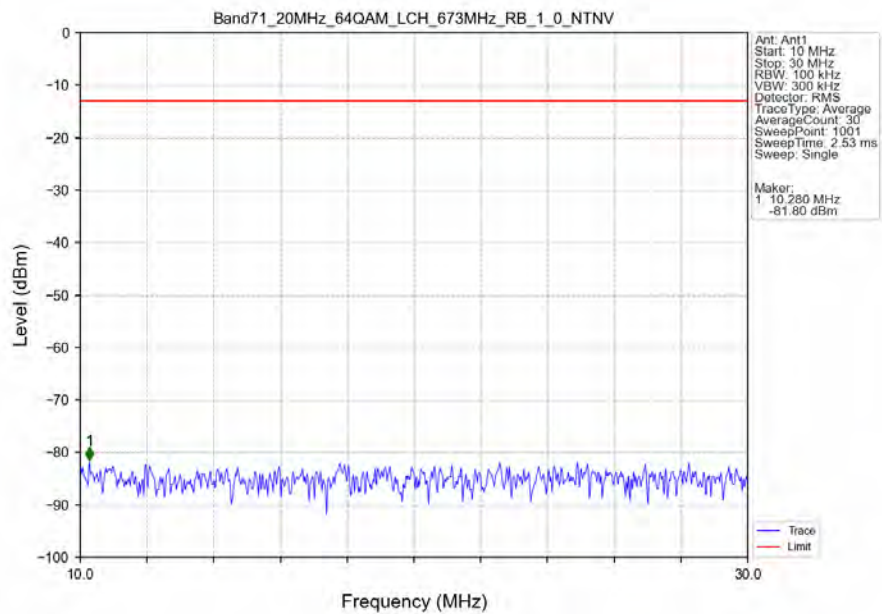
5.2.4 B71_20MHz



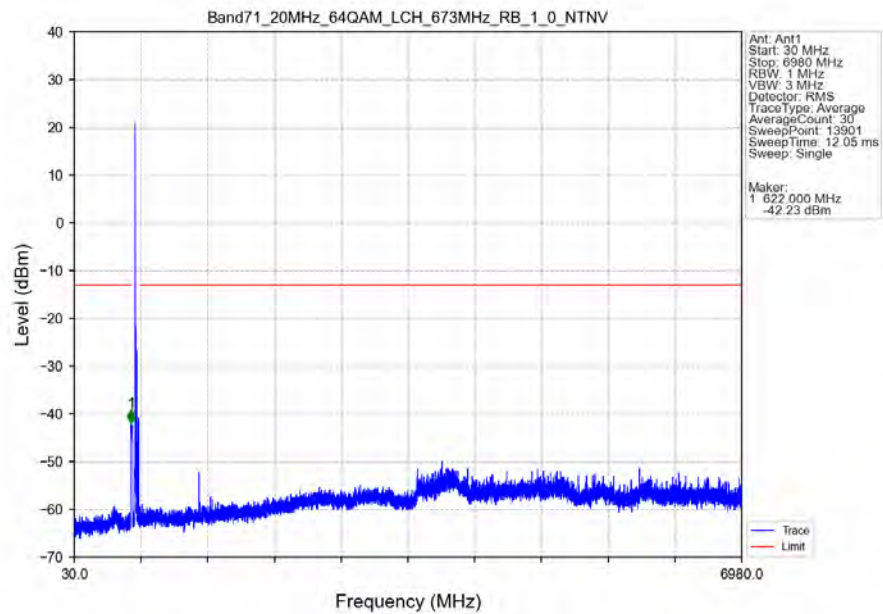
Band71_20MHz_64QAM_LCH_673MHz_RB_1_0_NTNV



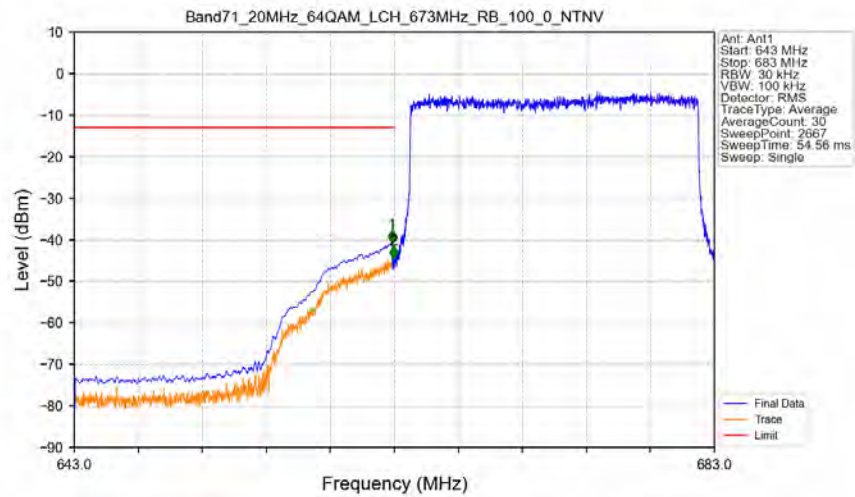
Band71_20MHz_64QAM_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_64QAM_LCH_673MHz_RB_1_0_NTNV

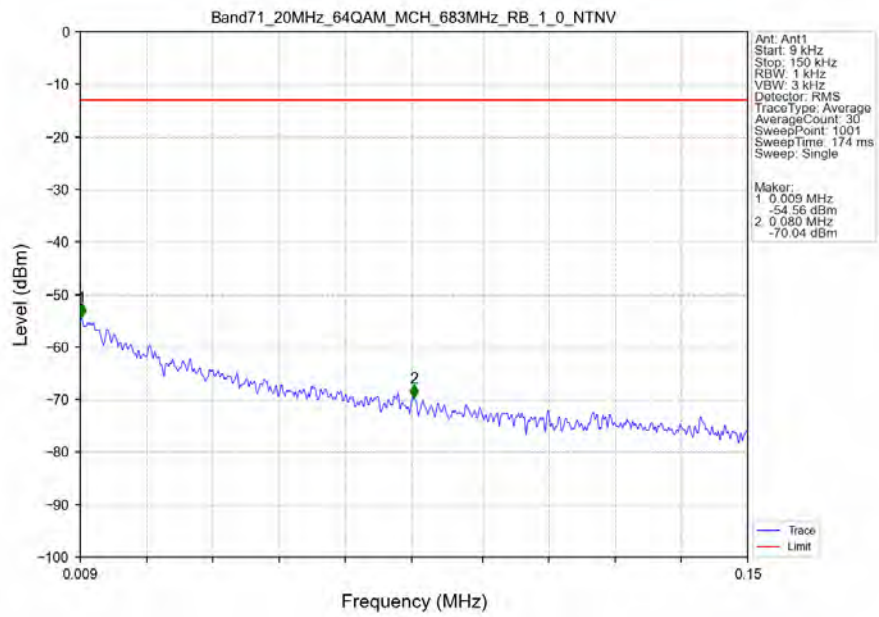


Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV

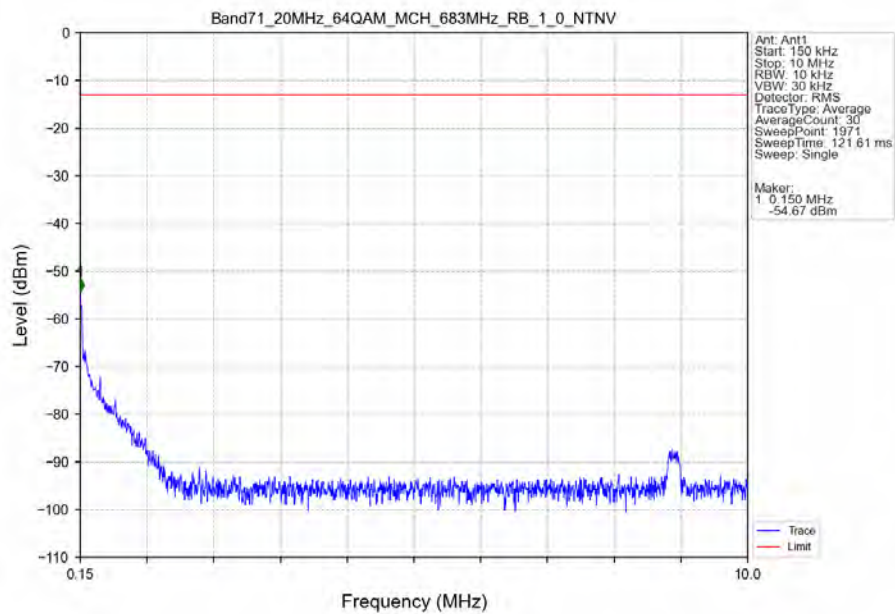


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.835	-40.78	-13	Pass
662.9	663	0.03	/	2	662.955	-44.64	-13	Pass
663	683	0.03	/	/	/	/	/	/

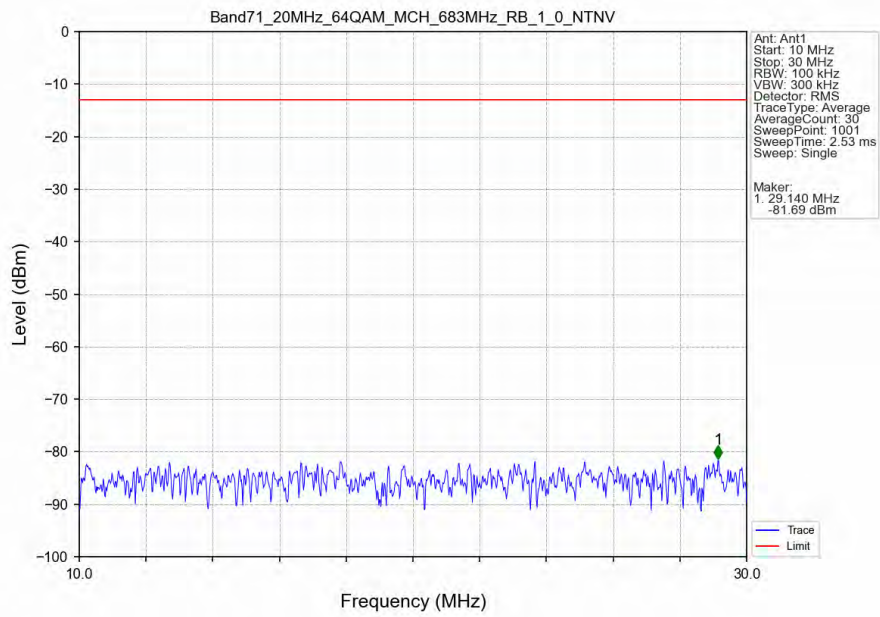
Band71_20MHz_64QAM_MCH_683MHz_RB_1_0_NTNV



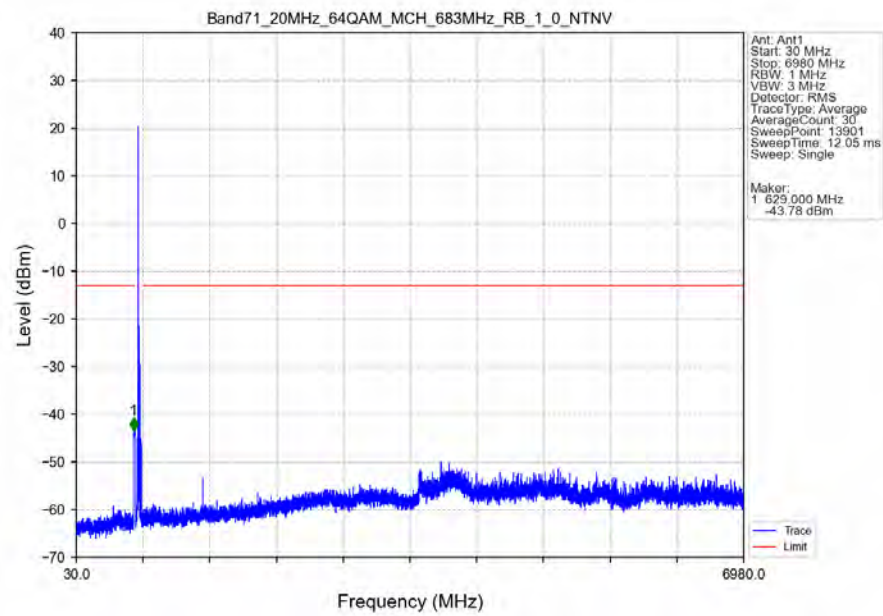
Band71_20MHz_64QAM_MCH_683MHz_RB_1_0_NTNV



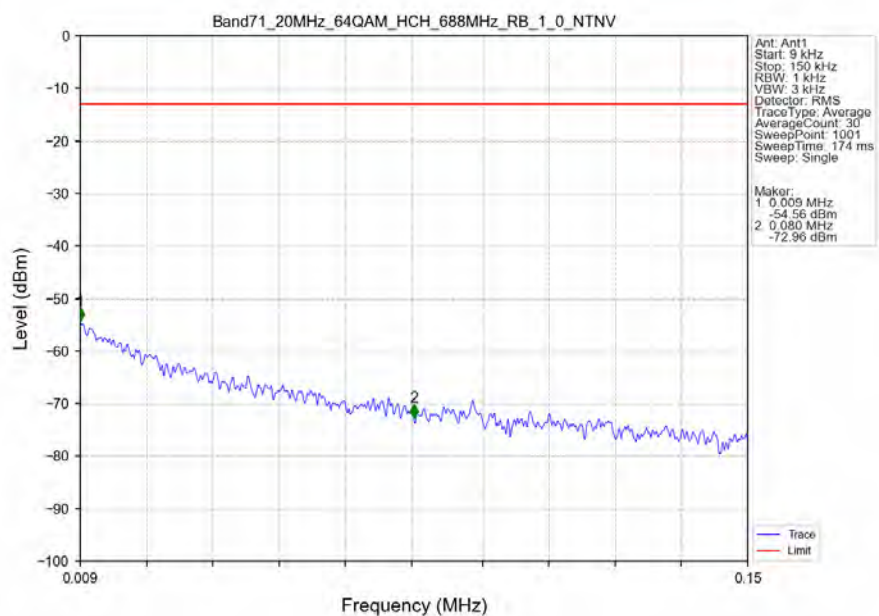
Band71_20MHz_64QAM_MCH_683MHz_RB_1_0_NTNV



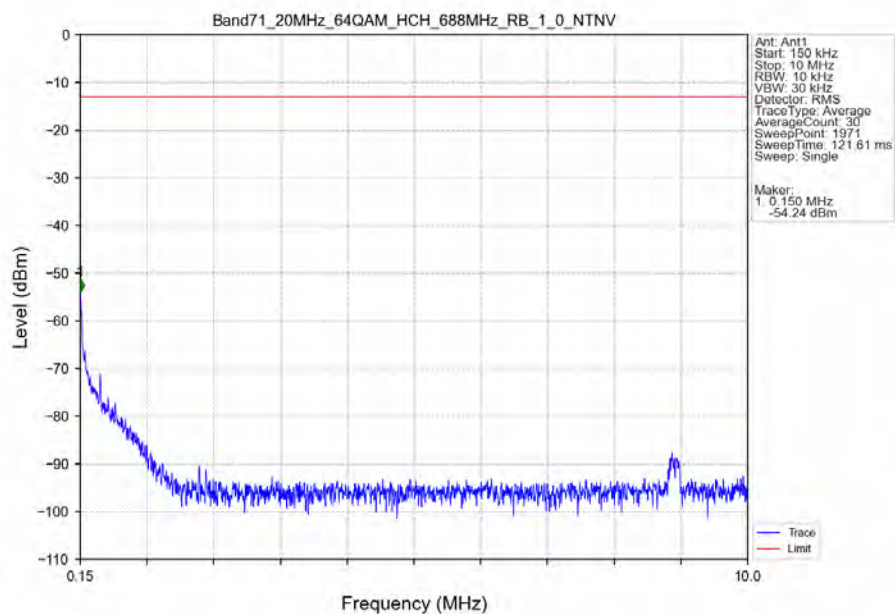
Band71_20MHz_64QAM_MCH_683MHz_RB_1_0_NTNV



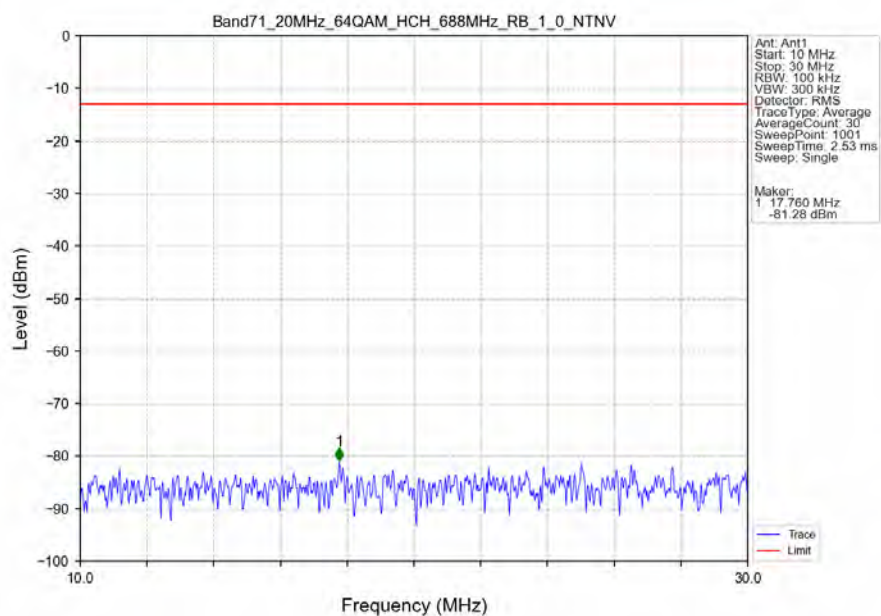
Band71_20MHz_64QAM_HCH_688MHz_RB_1_0_NTNV



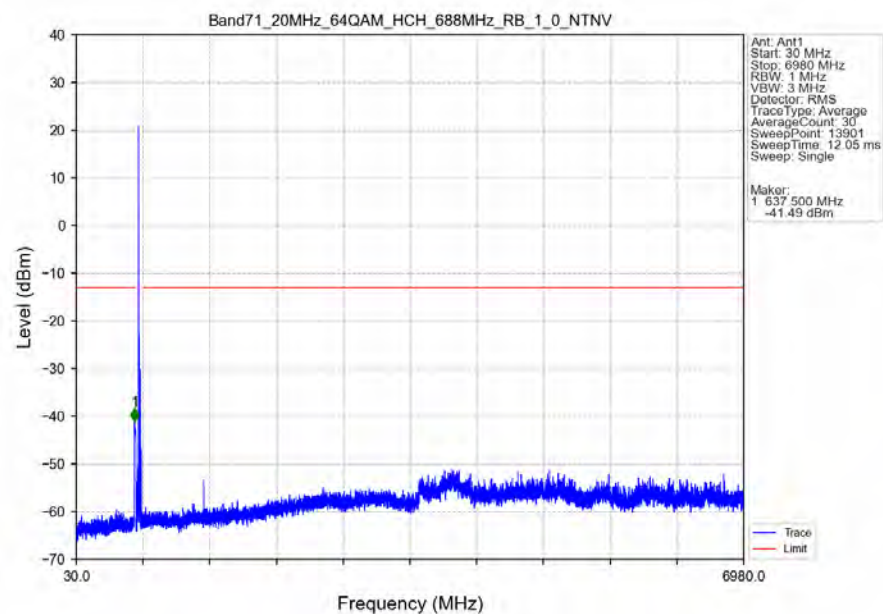
Band71_20MHz_64QAM_HCH_688MHz_RB_1_0_NTNV



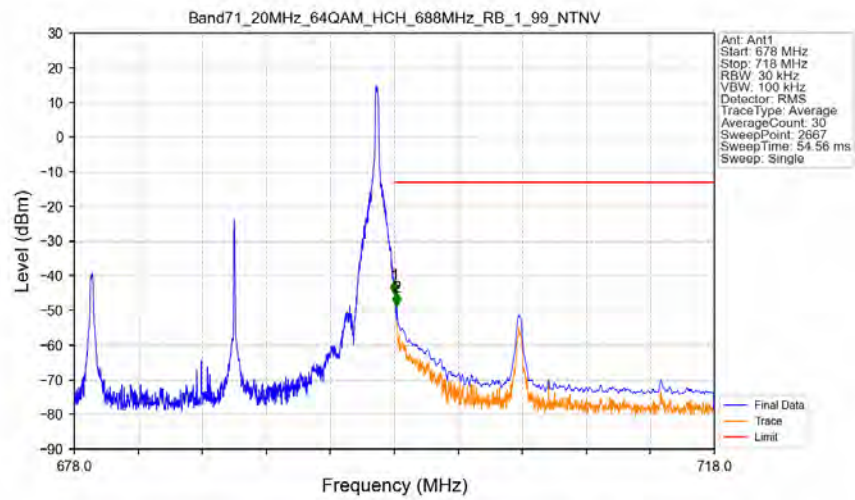
Band71_20MHz_64QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_1_0_NTNV

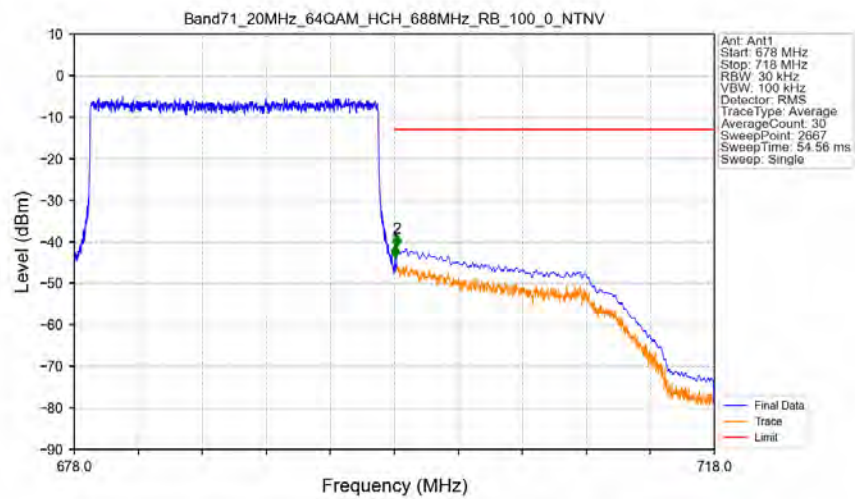


Band71_20MHz_64QAM_HCH_688MHz_RB_1_99_NTNV



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	-45.11	-13	Pass
698.1	718	0.1	CHP	2	698.150	-48.65	-13	Pass

Band71_20MHz_64QAM_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	-43.87	-13	Pass
698.1	718	0.1	CHP	2	698.150	-41.30	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 71-Low channel								
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	-64.17	-13	-51.17	-66.56	2.4	4.79	Horizontal	Pass
1992.0	-54.09	-13	-41.09	-56.01	2.72	4.64	Horizontal	Pass
2656.0	-68.04	-13	-55.04	-71.1	3.1	6.16	Horizontal	Pass
1328.0	-69.06	-13	-56.06	-71.45	2.4	4.79	Vertical	Pass
1992.0	-59.46	-13	-46.46	-61.38	2.72	4.64	Vertical	Pass
2656.0	-67.89	-13	-54.89	-70.95	3.1	6.16	Vertical	Pass

LTE Band 71-Middle channel								
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	-69.92	-13	-56.92	-72.42	2.42	4.92	Horizontal	Pass
2022.0	-68.31	-13	-55.31	-70.24	2.74	4.67	Horizontal	Pass
2696.0	-68.04	-13	-55.04	-71.18	3.11	6.25	Horizontal	Pass
1348.0	-70.04	-13	-57.04	-72.54	2.42	4.92	Vertical	Pass
2022.0	-67.79	-13	-54.79	-69.72	2.74	4.67	Vertical	Pass
2696.0	-68.31	-13	-55.31	-71.45	3.11	6.25	Vertical	Pass

LTE Band 71-High channel								
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	-68.11	-13	-55.11	-70.66	2.43	4.98	Horizontal	Pass
2037.0	-54.54	-13	-41.54	-56.5	2.75	4.71	Horizontal	Pass
2716.0	-67.42	-13	-54.42	-70.61	3.11	6.3	Horizontal	Pass
1358.0	-68.94	-13	-55.94	-71.49	2.43	4.98	Vertical	Pass
2037.0	-59.96	-13	-46.96	-61.92	2.75	4.71	Vertical	Pass
2716.0	-67.06	-13	-54.06	-70.25	3.11	6.3	Vertical	Pass