

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	22.57	-3.14	17.28	<=34.77	Pass	
			13	22.76	-3.14	17.47	<=34.77	Pass	
			24	22.69	-3.14	17.40	<=34.77	Pass	
		12	0	21.53	-3.14	16.24	<=34.77	Pass	
			6	21.70	-3.14	16.41	<=34.77	Pass	
			13	21.64	-3.14	16.35	<=34.77	Pass	
		25	0	21.55	-3.14	16.26	<=34.77	Pass	
		680.5	1	0	22.22	-3.14	16.93	<=34.77	Pass
				13	22.40	-3.14	17.11	<=34.77	Pass
	24			22.30	-3.14	17.01	<=34.77	Pass	
	12		0	21.21	-3.14	15.92	<=34.77	Pass	
			6	21.30	-3.14	16.01	<=34.77	Pass	
			13	21.30	-3.14	16.01	<=34.77	Pass	
	25	0	21.24	-3.14	15.95	<=34.77	Pass		
	695.5	1	0	22.42	-3.14	17.13	<=34.77	Pass	
			13	22.57	-3.14	17.28	<=34.77	Pass	
			24	22.53	-3.14	17.24	<=34.77	Pass	
		12	0	21.52	-3.14	16.23	<=34.77	Pass	
			6	21.54	-3.14	16.25	<=34.77	Pass	
			13	21.48	-3.14	16.19	<=34.77	Pass	
		25	0	21.50	-3.14	16.21	<=34.77	Pass	
16QAM		665.5	1	0	21.34	-3.14	16.05	<=34.77	Pass
				13	21.41	-3.14	16.12	<=34.77	Pass
	24			21.37	-3.14	16.08	<=34.77	Pass	
	12		0	20.01	-3.14	14.72	<=34.77	Pass	
			6	20.25	-3.14	14.96	<=34.77	Pass	
			13	20.15	-3.14	14.86	<=34.77	Pass	
	25		0	20.10	-3.14	14.81	<=34.77	Pass	
	680.5	1	0	21.03	-3.14	15.74	<=34.77	Pass	
			13	21.15	-3.14	15.86	<=34.77	Pass	
			24	21.08	-3.14	15.79	<=34.77	Pass	
		12	0	20.21	-3.14	14.92	<=34.77	Pass	
			6	20.32	-3.14	15.03	<=34.77	Pass	
			13	20.40	-3.14	15.11	<=34.77	Pass	
	25	0	20.31	-3.14	15.02	<=34.77	Pass		
	695.5	1	0	21.43	-3.14	16.14	<=34.77	Pass	
			13	21.60	-3.14	16.31	<=34.77	Pass	
			24	21.55	-3.14	16.26	<=34.77	Pass	
		12	0	20.48	-3.14	15.19	<=34.77	Pass	
			6	20.49	-3.14	15.20	<=34.77	Pass	
			13	20.48	-3.14	15.19	<=34.77	Pass	
		25	0	20.52	-3.14	15.23	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	668	1	0	22.13	-3.14	16.84	<=34.77	Pass	
			25	22.42	-3.14	17.13	<=34.77	Pass	
			49	22.28	-3.14	16.99	<=34.77	Pass	
		25	0	21.14	-3.14	15.85	<=34.77	Pass	
			13	21.25	-3.14	15.96	<=34.77	Pass	
			25	21.20	-3.14	15.91	<=34.77	Pass	
		50	0	21.15	-3.14	15.86	<=34.77	Pass	
		680.5	1	0	22.21	-3.14	16.92	<=34.77	Pass
				25	22.46	-3.14	17.17	<=34.77	Pass
	49			22.33	-3.14	17.04	<=34.77	Pass	
	25		0	21.16	-3.14	15.87	<=34.77	Pass	
			13	21.31	-3.14	16.02	<=34.77	Pass	
			25	21.35	-3.14	16.06	<=34.77	Pass	
	50	0	21.24	-3.14	15.95	<=34.77	Pass		
	693	1	0	22.40	-3.14	17.11	<=34.77	Pass	
			25	22.69	-3.14	17.40	<=34.77	Pass	
			49	22.55	-3.14	17.26	<=34.77	Pass	
		25	0	21.48	-3.14	16.19	<=34.77	Pass	
			13	21.50	-3.14	16.21	<=34.77	Pass	
			25	21.45	-3.14	16.16	<=34.77	Pass	
50		0	21.45	-3.14	16.16	<=34.77	Pass		
16QAM		668	1	0	21.03	-3.14	15.74	<=34.77	Pass
				25	21.36	-3.14	16.07	<=34.77	Pass
	49			21.22	-3.14	15.93	<=34.77	Pass	
	25		0	20.20	-3.14	14.91	<=34.77	Pass	
			13	20.34	-3.14	15.05	<=34.77	Pass	
			25	20.27	-3.14	14.98	<=34.77	Pass	
	50		0	20.13	-3.14	14.84	<=34.77	Pass	
	680.5	1	0	21.32	-3.14	16.03	<=34.77	Pass	
			25	21.49	-3.14	16.20	<=34.77	Pass	
			49	21.44	-3.14	16.15	<=34.77	Pass	
		25	0	20.17	-3.14	14.88	<=34.77	Pass	
13			20.33	-3.14	15.04	<=34.77	Pass		
25			20.34	-3.14	15.05	<=34.77	Pass		
50	0	20.22	-3.14	14.93	<=34.77	Pass			
693	1	0	21.81	-3.14	16.52	<=34.77	Pass		
		25	22.06	-3.14	16.77	<=34.77	Pass		
		49	22.00	-3.14	16.71	<=34.77	Pass		
	25	0	20.53	-3.14	15.24	<=34.77	Pass		
		13	20.54	-3.14	15.25	<=34.77	Pass		
		25	20.43	-3.14	15.14	<=34.77	Pass		
	50	0	20.44	-3.14	15.15	<=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	22.04	-3.14	16.75	<=34.77	Pass
			38	22.29	-3.14	17.00	<=34.77	Pass
			74	22.28	-3.14	16.99	<=34.77	Pass
		36	0	21.27	-3.14	15.98	<=34.77	Pass
			18	21.34	-3.14	16.05	<=34.77	Pass
			39	21.43	-3.14	16.14	<=34.77	Pass

		75	0	21.35	-3.14	16.06	<=34.77	Pass
	680.5	1	0	22.10	-3.14	16.81	<=34.77	Pass
			38	22.31	-3.14	17.02	<=34.77	Pass
			74	22.32	-3.14	17.03	<=34.77	Pass
			0	21.21	-3.14	15.92	<=34.77	Pass
		36	18	21.38	-3.14	16.09	<=34.77	Pass
			39	21.41	-3.14	16.12	<=34.77	Pass
	75	0	21.29	-3.14	16.00	<=34.77	Pass	
	690.5	1	0	22.27	-3.14	16.98	<=34.77	Pass
			38	22.46	-3.14	17.17	<=34.77	Pass
			74	22.49	-3.14	17.20	<=34.77	Pass
		36	0	21.51	-3.14	16.22	<=34.77	Pass
			18	21.54	-3.14	16.25	<=34.77	Pass
			39	21.54	-3.14	16.25	<=34.77	Pass
	75	0	21.50	-3.14	16.21	<=34.77	Pass	
16QAM	670.5	1	0	21.26	-3.14	15.97	<=34.77	Pass
			38	21.54	-3.14	16.25	<=34.77	Pass
			74	21.49	-3.14	16.20	<=34.77	Pass
		36	0	20.20	-3.14	14.91	<=34.77	Pass
			18	20.26	-3.14	14.97	<=34.77	Pass
			39	20.40	-3.14	15.11	<=34.77	Pass
	75	0	20.28	-3.14	14.99	<=34.77	Pass	
	680.5	1	0	21.21	-3.14	15.92	<=34.77	Pass
			38	21.43	-3.14	16.14	<=34.77	Pass
			74	21.43	-3.14	16.14	<=34.77	Pass
		36	0	20.22	-3.14	14.93	<=34.77	Pass
			18	20.34	-3.14	15.05	<=34.77	Pass
			39	20.34	-3.14	15.05	<=34.77	Pass
	75	0	20.33	-3.14	15.04	<=34.77	Pass	
	690.5	1	0	21.68	-3.14	16.39	<=34.77	Pass
			38	21.91	-3.14	16.62	<=34.77	Pass
			74	22.01	-3.14	16.72	<=34.77	Pass
		36	0	20.53	-3.14	15.24	<=34.77	Pass
			18	20.66	-3.14	15.37	<=34.77	Pass
			39	20.53	-3.14	15.24	<=34.77	Pass
	75	0	20.62	-3.14	15.33	<=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	22.39	-3.14	17.10	<=34.77	Pass
			50	22.97	-3.14	17.68	<=34.77	Pass
			99	22.69	-3.14	17.40	<=34.77	Pass
		50	0	21.73	-3.14	16.44	<=34.77	Pass
			25	21.45	-3.14	16.16	<=34.77	Pass
			50	21.49	-3.14	16.20	<=34.77	Pass
		100	0	21.38	-3.14	16.09	<=34.77	Pass
	683	1	0	21.98	-3.14	16.69	<=34.77	Pass
			50	22.50	-3.14	17.21	<=34.77	Pass
			99	22.28	-3.14	16.99	<=34.77	Pass
		50	0	21.10	-3.14	15.81	<=34.77	Pass
			25	21.48	-3.14	16.19	<=34.77	Pass
			50	21.52	-3.14	16.23	<=34.77	Pass
		100	0	21.43	-3.14	16.14	<=34.77	Pass

	688	1	0	22.48	-3.14	17.19	<=34.77	Pass		
			50	22.91	-3.14	17.62	<=34.77	Pass		
			99	22.40	-3.14	17.11	<=34.77	Pass		
		50	0	21.29	-3.14	16.00	<=34.77	Pass		
			25	21.64	-3.14	16.35	<=34.77	Pass		
			50	21.56	-3.14	16.27	<=34.77	Pass		
		100	0	21.40	-3.14	16.11	<=34.77	Pass		
		16QAM	673	1	0	21.12	-3.14	15.83	<=34.77	Pass
					50	21.65	-3.14	16.36	<=34.77	Pass
99	21.36				-3.14	16.07	<=34.77	Pass		
50	0			20.25	-3.14	14.96	<=34.77	Pass		
	25			20.28	-3.14	14.99	<=34.77	Pass		
	50			20.44	-3.14	15.15	<=34.77	Pass		
100	0			20.37	-3.14	15.08	<=34.77	Pass		
683	1			0	21.42	-3.14	16.13	<=34.77	Pass	
				50	21.92	-3.14	16.63	<=34.77	Pass	
			99	21.75	-3.14	16.46	<=34.77	Pass		
	50		0	20.29	-3.14	15.00	<=34.77	Pass		
			25	20.70	-3.14	15.41	<=34.77	Pass		
			50	20.69	-3.14	15.40	<=34.77	Pass		
	100		0	20.68	-3.14	15.39	<=34.77	Pass		
	688		1	0	21.29	-3.14	16.00	<=34.77	Pass	
				50	21.91	-3.14	16.62	<=34.77	Pass	
99				21.53	-3.14	16.24	<=34.77	Pass		
50			0	20.57	-3.14	15.28	<=34.77	Pass		
		25	20.81	-3.14	15.52	<=34.77	Pass			
		50	20.75	-3.14	15.46	<=34.77	Pass			
100		0	20.73	-3.14	15.44	<=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	
QPSK	665.5	25	0	20	3.27	-8.841	-0.0133	-2.5 to 2.5	Pass
					3.85	-7.811	-0.0117	-2.5 to 2.5	Pass
					4.43	-11.044	-0.0166	-2.5 to 2.5	Pass
				-30	3.85	-10.457	-0.0157	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-8.054	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-5.465	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-6.008	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-9.584	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-6.709	-0.0099	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0074	-2.5 to 2.5	Pass
					4.43	-3.963	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-7.467	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-5.937	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0073	-2.5 to 2.5	Pass

				0	3.85	-2.904	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-7.453	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-7.882	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0080	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-5.865	-0.0084	-2.5 to 2.5	Pass
					3.85	-6.795	-0.0098	-2.5 to 2.5	Pass
					4.43	-10.686	-0.0154	-2.5 to 2.5	Pass
				-30	3.85	-6.194	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-9.971	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-5.450	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-4.635	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-11.315	-0.0163	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0143	-2.5 to 2.5	Pass
				40	3.85	-7.825	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-4.606	-0.0066	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-11.330	-0.0170	-2.5 to 2.5	Pass
					3.85	-8.583	-0.0129	-2.5 to 2.5	Pass
					4.43	-7.238	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-8.998	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-10.214	-0.0153	-2.5 to 2.5	Pass
				-10	3.85	-8.540	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-11.029	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-8.183	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-6.037	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-10.872	-0.0163	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-4.849	-0.0071	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0045	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-10.500	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-8.354	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-9.413	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-5.722	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-5.908	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0053	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-5.465	-0.0079	-2.5 to 2.5	Pass
					3.85	-6.967	-0.0100	-2.5 to 2.5	Pass
					4.43	-9.928	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-11.315	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-3.119	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-5.565	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-6.409	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-5.679	-0.0082	-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	
QPSK	668	50	0	20	3.27	-5.879	-0.0088	-2.5 to 2.5	Pass
					3.85	-10.586	-0.0158	-2.5 to 2.5	Pass

					4.43	-9.542	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-7.524	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-8.125	-0.0122	-2.5 to 2.5	Pass
				-10	3.85	-7.796	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-7.396	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-8.740	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-6.609	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-9.913	-0.0148	-2.5 to 2.5	Pass
				50	3.85	-7.467	-0.0112	-2.5 to 2.5	Pass
				680.5	50	0	20	3.27	-6.137
	3.85	-7.453	-0.0110					-2.5 to 2.5	Pass
	4.43	-7.868	-0.0116					-2.5 to 2.5	Pass
	-30	3.85	-9.470				-0.0139	-2.5 to 2.5	Pass
	-20	3.85	-3.219				-0.0047	-2.5 to 2.5	Pass
	-10	3.85	-5.450				-0.0080	-2.5 to 2.5	Pass
	0	3.85	-5.765				-0.0085	-2.5 to 2.5	Pass
	10	3.85	-6.251				-0.0092	-2.5 to 2.5	Pass
	30	3.85	-6.266				-0.0092	-2.5 to 2.5	Pass
	40	3.85	-5.765				-0.0085	-2.5 to 2.5	Pass
	50	3.85	-5.779	-0.0085	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-3.934	-0.0057	-2.5 to 2.5	Pass
					3.85	-9.470	-0.0137	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-7.210	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-3.190	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-9.027	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-8.411	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-9.699	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-9.356	-0.0135	-2.5 to 2.5	Pass
50	3.85	-9.828	-0.0142	-2.5 to 2.5	Pass				
16QAM	668	50	0	20	3.27	-9.770	-0.0146	-2.5 to 2.5	Pass
					3.85	-6.309	-0.0094	-2.5 to 2.5	Pass
					4.43	-8.340	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-2.761	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-10.529	-0.0158	-2.5 to 2.5	Pass
				10	3.85	-4.978	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-8.240	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-9.742	-0.0146	-2.5 to 2.5	Pass
	50	3.85	-12.131	-0.0182	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-6.080	-0.0089	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0048	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-6.094	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-6.652	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-7.739	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0036	-2.5 to 2.5	Pass
	50	3.85	-9.813	-0.0144	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-2.918	-0.0042	-2.5 to 2.5	Pass
					3.85	-8.726	-0.0126	-2.5 to 2.5	Pass
					4.43	-9.069	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-11.759	-0.0170	-2.5 to 2.5	Pass
				-20	3.85	-11.272	-0.0163	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0080	-2.5 to 2.5	Pass

				0	3.85	-5.937	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-7.482	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0088	-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	
QPSK	670.5	75	0	20	3.27	-9.356	-0.0140	-2.5 to 2.5	Pass
					3.85	-8.225	-0.0123	-2.5 to 2.5	Pass
					4.43	-6.709	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-7.811	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-8.597	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-10.357	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-8.898	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-9.069	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-5.379	-0.0080	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-4.964	-0.0073	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0055	-2.5 to 2.5	Pass
					4.43	-6.452	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-4.520	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-6.251	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-9.470	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-9.470	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-9.642	-0.0142	-2.5 to 2.5	Pass
				50	3.85	-8.297	-0.0122	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-3.161	-0.0046	-2.5 to 2.5	Pass
					3.85	-4.849	-0.0070	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-6.108	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-5.994	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-6.108	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-9.227	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-6.752	-0.0098	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-7.997	-0.0119	-2.5 to 2.5	Pass
					3.85	-12.002	-0.0179	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-9.627	-0.0144	-2.5 to 2.5	Pass
				-20	3.85	-8.039	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-6.509	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-10.715	-0.0160	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-10.028	-0.0150	-2.5 to 2.5	Pass
				40	3.85	-8.440	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-8.826	-0.0132	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-8.955	-0.0132	-2.5 to 2.5	Pass
					3.85	-2.131	-0.0031	-2.5 to 2.5	Pass

					4.43	-6.108	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-10.800	-0.0159	-2.5 to 2.5	Pass
				-20	3.85	-7.081	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-8.669	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-11.115	-0.0163	-2.5 to 2.5	Pass
				40	3.85	-8.898	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-5.193	-0.0076	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-8.569	-0.0124	-2.5 to 2.5	Pass
					3.85	-6.094	-0.0088	-2.5 to 2.5	Pass
					4.43	-2.360	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-4.621	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-6.495	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-4.292	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-2.174	-0.0031	-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	
QPSK	673	100	0	20	3.27	-6.509	-0.0097	-2.5 to 2.5	Pass
					3.85	-8.698	-0.0129	-2.5 to 2.5	Pass
					4.43	-9.298	-0.0138	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-9.141	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-9.270	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-6.680	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-9.470	-0.0141	-2.5 to 2.5	Pass
				40	3.85	-9.327	-0.0139	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0075	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-4.606	-0.0067	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-4.377	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-4.735	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-7.153	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0079	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-6.909	-0.0100	-2.5 to 2.5	Pass
					3.85	-7.896	-0.0115	-2.5 to 2.5	Pass
					4.43	-10.829	-0.0157	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-8.211	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-5.865	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-4.520	-0.0066	-2.5 to 2.5	Pass

16QAM				40	3.85	-8.640	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0112	-2.5 to 2.5	Pass
	673	100	0	20	3.27	-6.838	-0.0102	-2.5 to 2.5	Pass
					3.85	-5.994	-0.0089	-2.5 to 2.5	Pass
					4.43	-8.554	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-7.753	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-9.284	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-7.882	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-6.738	-0.0100	-2.5 to 2.5	Pass
	50	3.85	-5.479	-0.0081	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-5.207	-0.0076	-2.5 to 2.5	Pass
					3.85	-4.520	-0.0066	-2.5 to 2.5	Pass
					4.43	-7.939	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-2.532	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.583	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-5.636	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-5.507	-0.0081	-2.5 to 2.5	Pass
	50	3.85	-3.233	-0.0047	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-9.885	-0.0144	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0069	-2.5 to 2.5	Pass
					4.43	-5.608	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-6.838	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0067	-2.5 to 2.5	Pass
40				3.85	-3.905	-0.0057	-2.5 to 2.5	Pass	
50	3.85	-9.356	-0.0136	-2.5 to 2.5	Pass				

3. Modulation Characteristics

3.1 Test Result

3.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	25	0	Refer To Test Graph		Pass
16QAM	680.5	25	0	Refer To Test Graph		Pass

3.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	50	0	Refer To Test Graph		Pass
16QAM	680.5	50	0	Refer To Test Graph		Pass

3.1.3 B71_15MHz

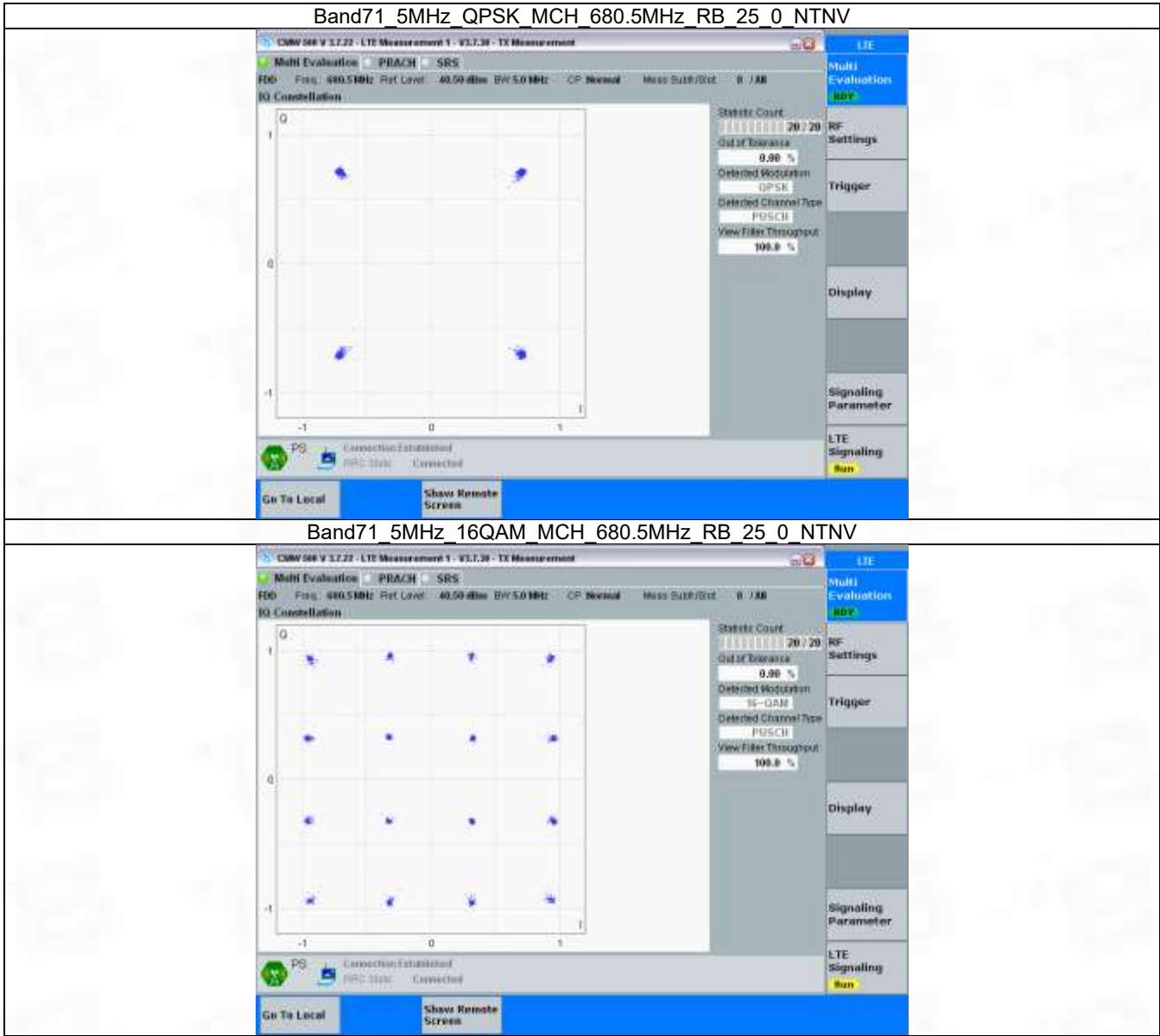
Band: 71 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.1.4 B71_20MHz

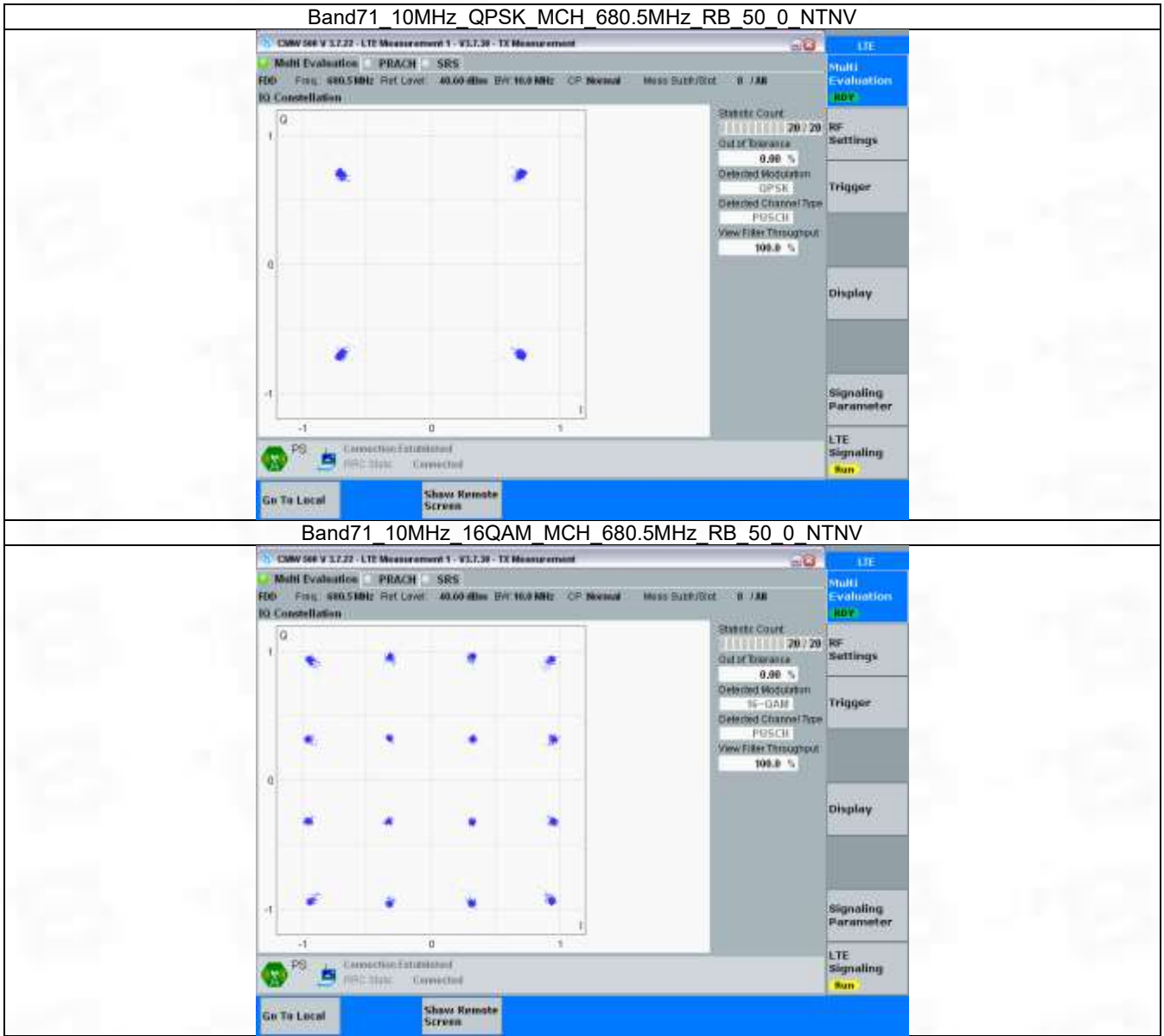
Band: 71 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.2 Test Graph

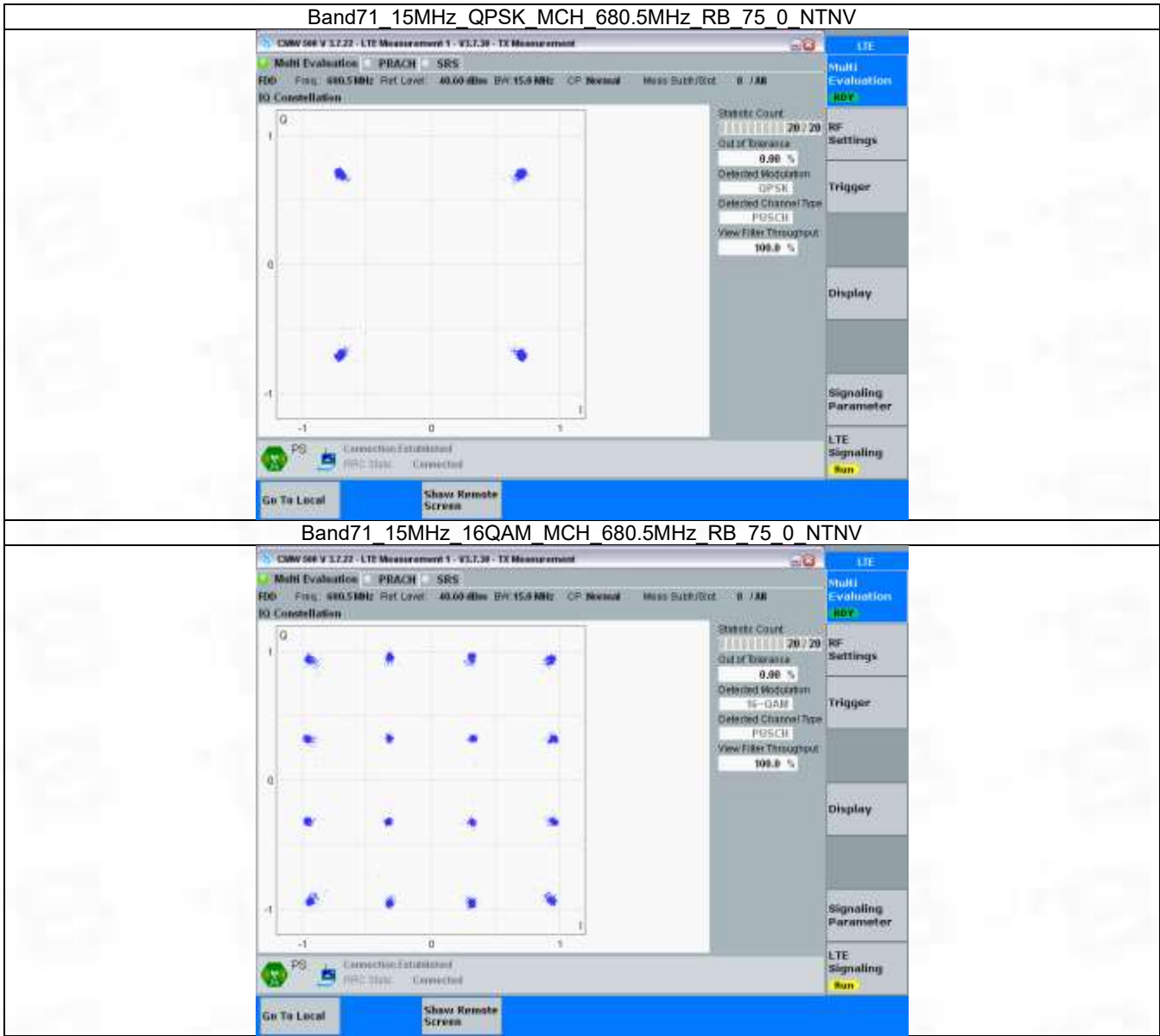
3.2.1 B71_5MHz



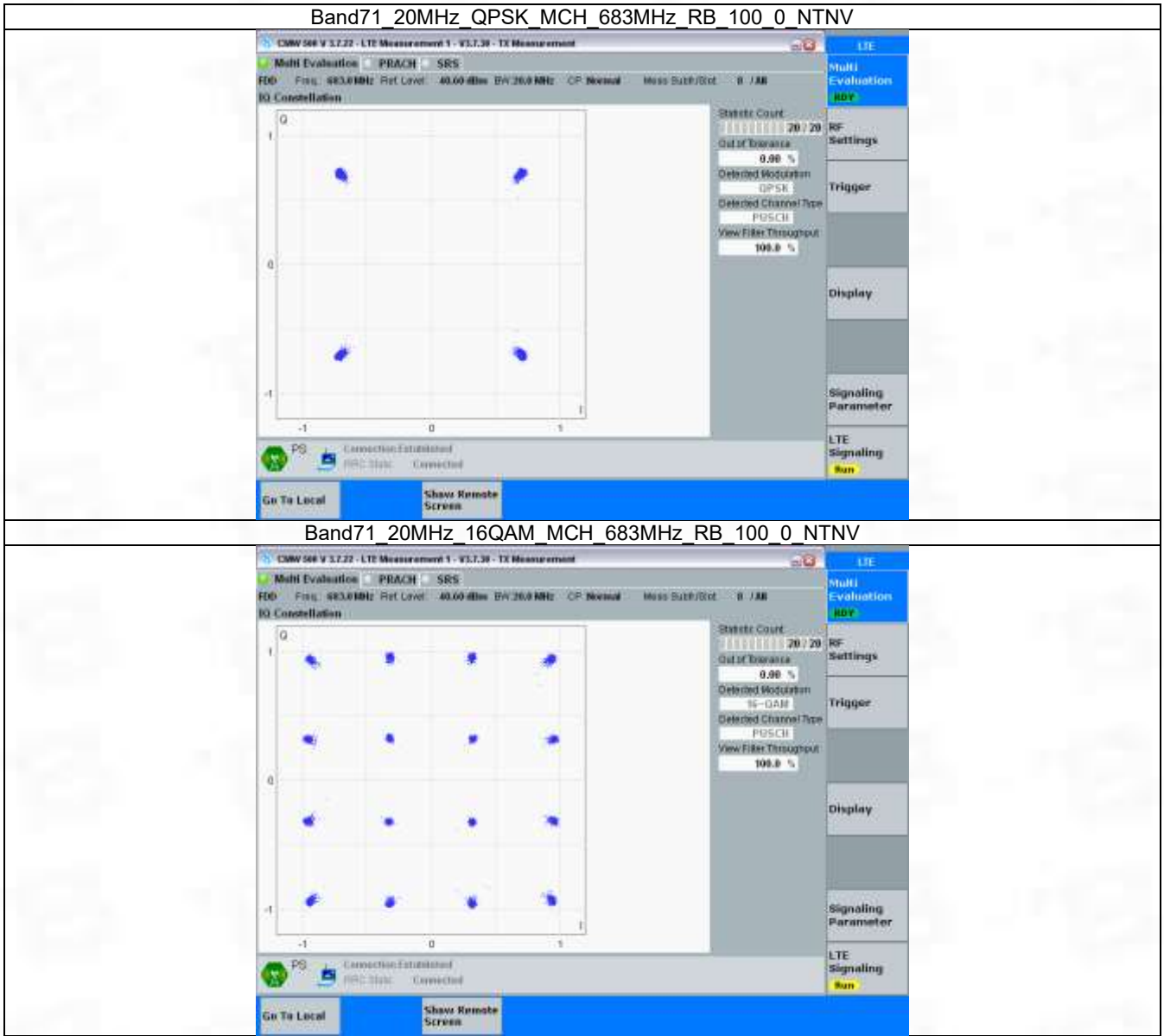
3.2.2 B71_10MHz



3.2.3 B71_15MHz



3.2.4 B71_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band71_OBW

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.558	/	Pass
		680.5	25	0	4.578	/	Pass
		695.5	25	0	4.564	/	Pass
	16QAM	665.5	25	0	4.561	/	Pass
		680.5	25	0	4.561	/	Pass
		695.5	25	0	4.598	/	Pass
10	QPSK	668	50	0	9.072	/	Pass
		680.5	50	0	9.047	/	Pass
		693	50	0	9.105	/	Pass
	16QAM	668	50	0	9.069	/	Pass
		680.5	50	0	9.059	/	Pass
		693	50	0	9.098	/	Pass
15	QPSK	670.5	75	0	13.637	/	Pass
		680.5	75	0	13.561	/	Pass
		690.5	75	0	13.595	/	Pass
	16QAM	670.5	75	0	13.670	/	Pass
		680.5	75	0	13.603	/	Pass
		690.5	75	0	13.599	/	Pass
20	QPSK	673	100	0	18.152	/	Pass
		683	100	0	18.045	/	Pass
		688	100	0	18.107	/	Pass
	16QAM	673	100	0	18.137	/	Pass
		683	100	0	18.089	/	Pass
		688	100	0	18.133	/	Pass

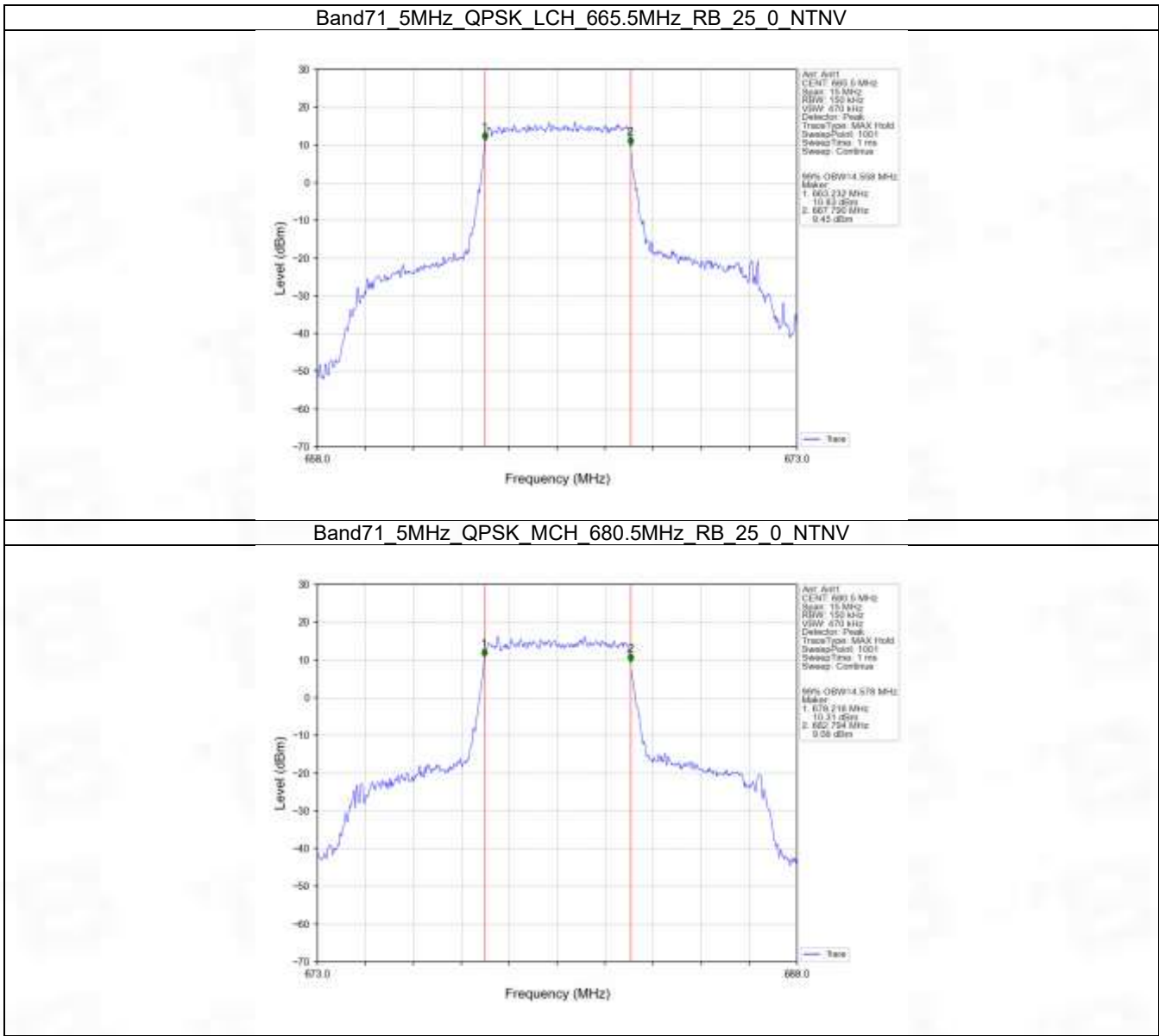
4.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.197	/	Pass
		680.5	25	0	5.295	/	Pass
		695.5	25	0	5.277	/	Pass
	16QAM	665.5	25	0	5.240	/	Pass
		680.5	25	0	5.384	/	Pass
		695.5	25	0	5.317	/	Pass
10	QPSK	668	50	0	10.227	/	Pass
		680.5	50	0	10.312	/	Pass
		693	50	0	10.410	/	Pass
	16QAM	668	50	0	10.246	/	Pass
		680.5	50	0	10.235	/	Pass
		693	50	0	10.183	/	Pass
15	QPSK	670.5	75	0	15.455	/	Pass
		680.5	75	0	15.321	/	Pass
		690.5	75	0	15.467	/	Pass

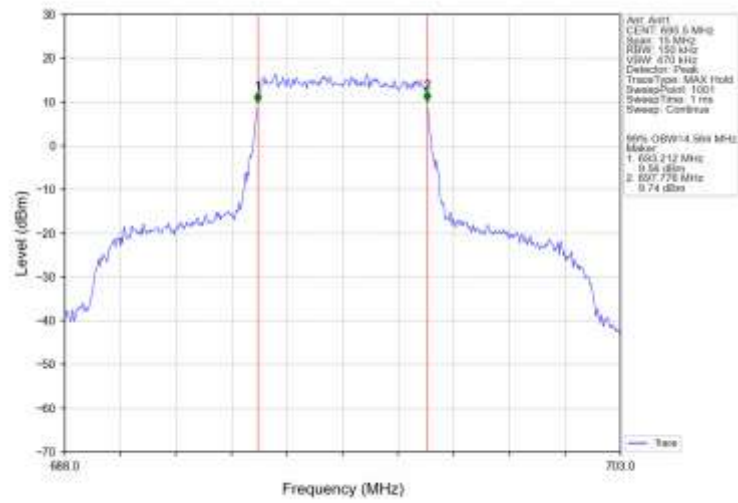
20	16QAM	670.5	75	0	15.220	/	Pass
		680.5	75	0	15.384	/	Pass
		690.5	75	0	15.467	/	Pass
	QPSK	673	100	0	20.307	/	Pass
		683	100	0	20.025	/	Pass
		688	100	0	20.195	/	Pass
	16QAM	673	100	0	20.055	/	Pass
		683	100	0	19.960	/	Pass
		688	100	0	20.142	/	Pass

4.2 Test Graph

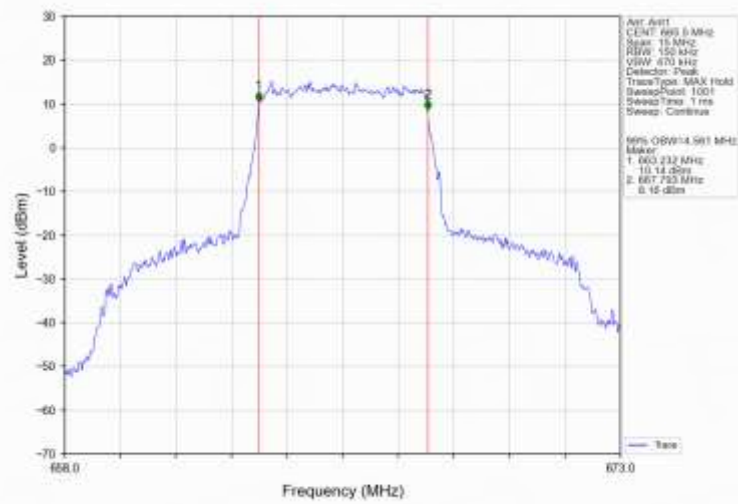
4.2.1 Band71_OBW



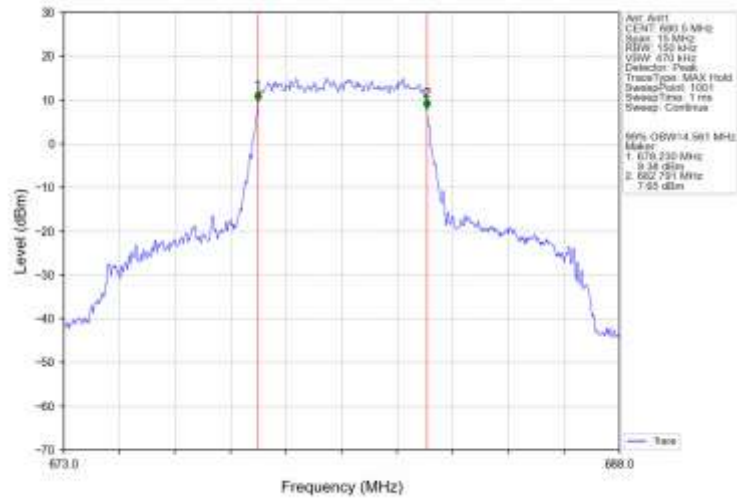
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



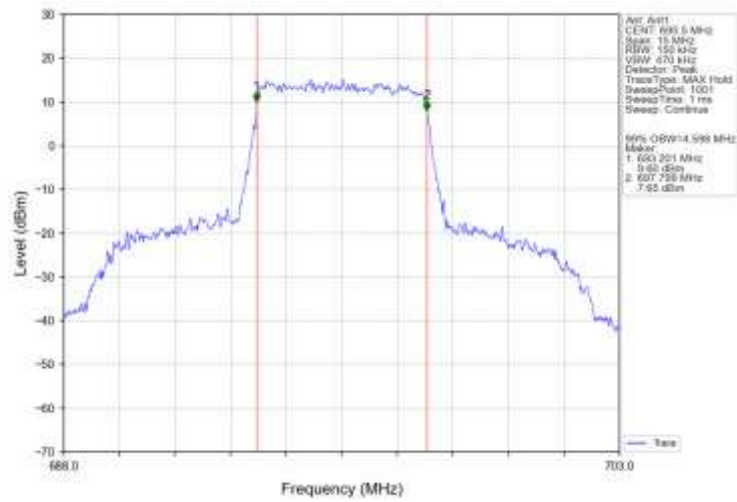
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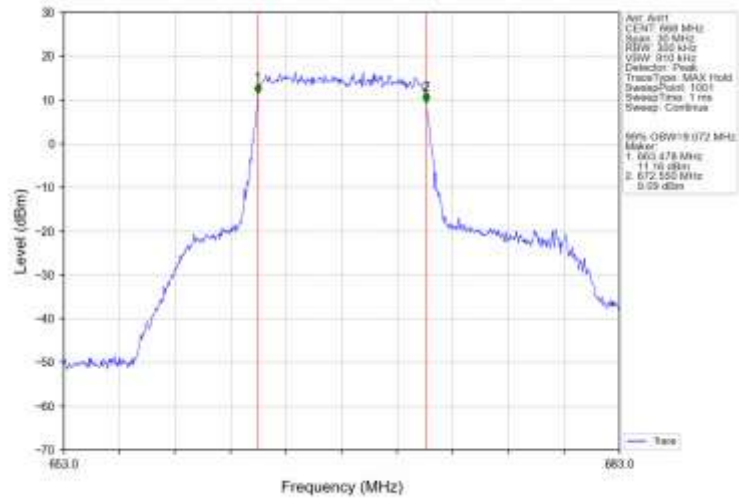
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



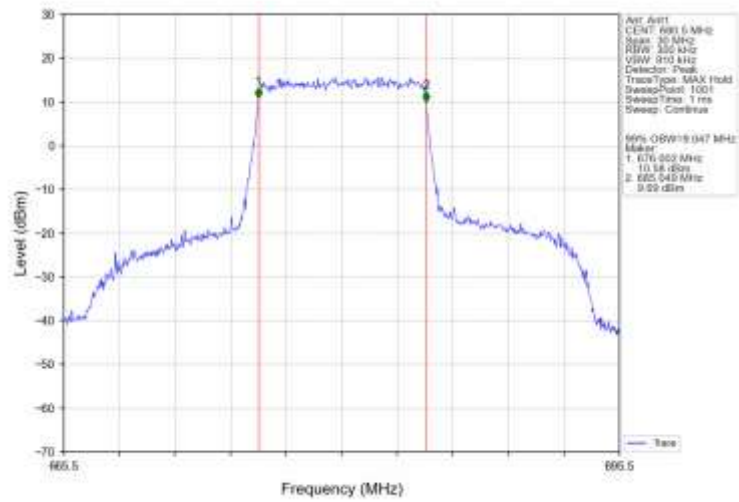
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



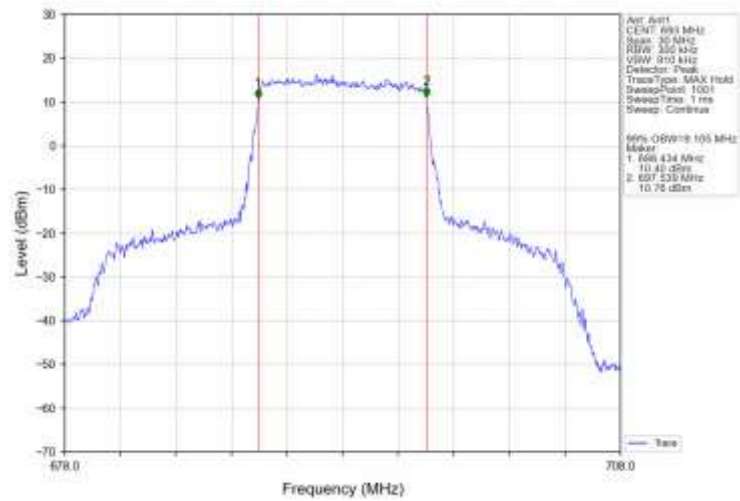
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



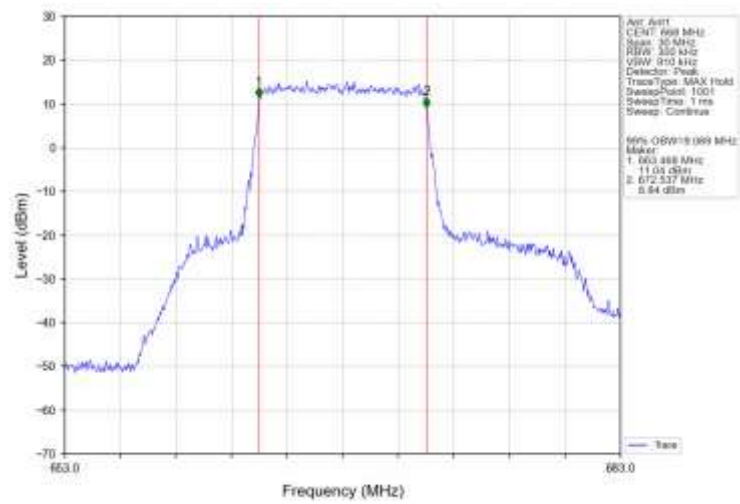
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



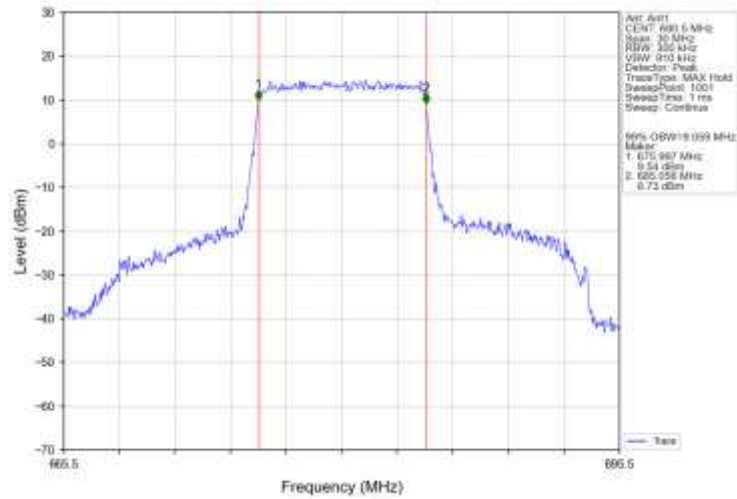
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



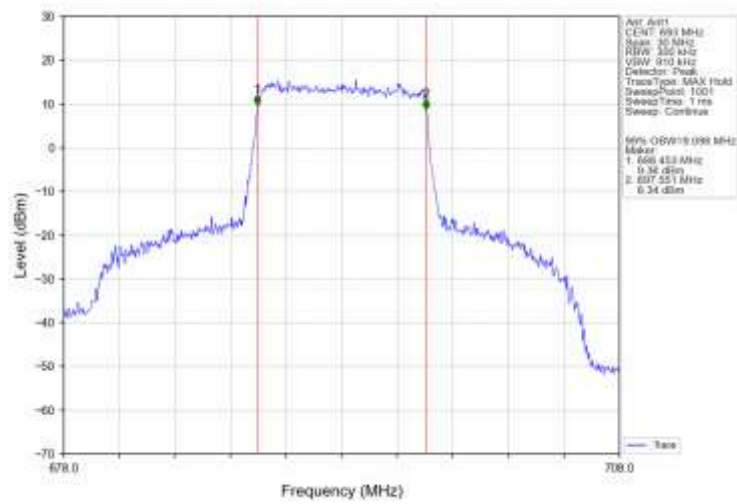
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



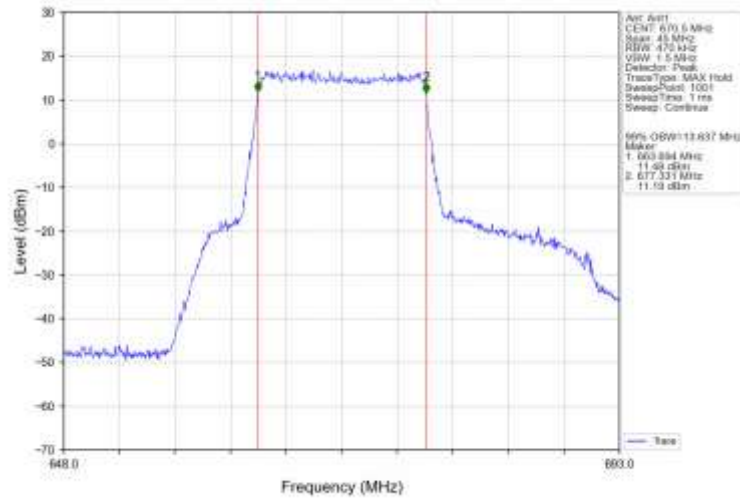
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



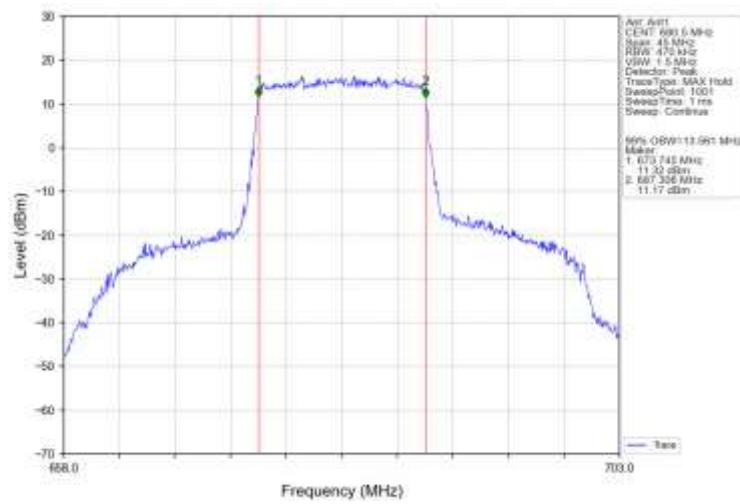
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



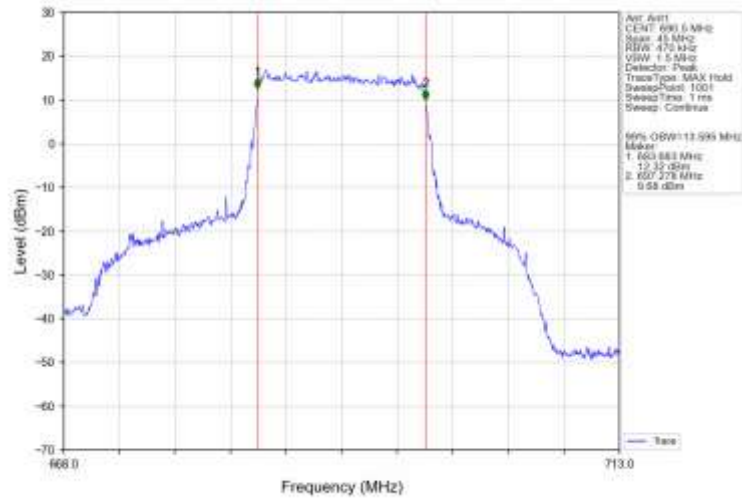
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



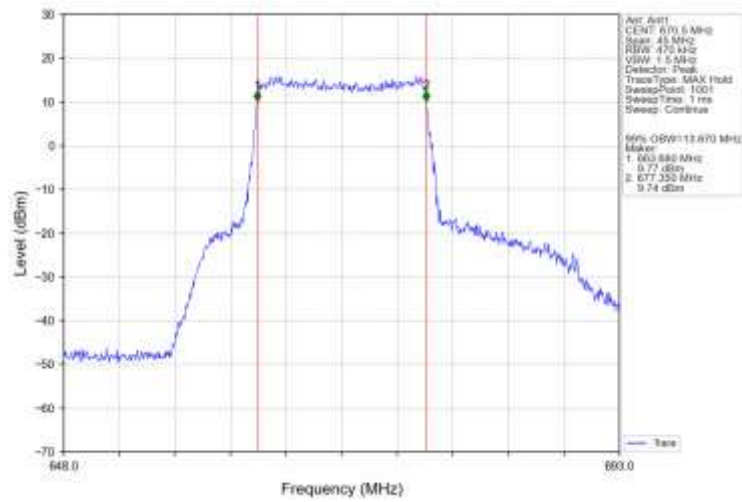
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



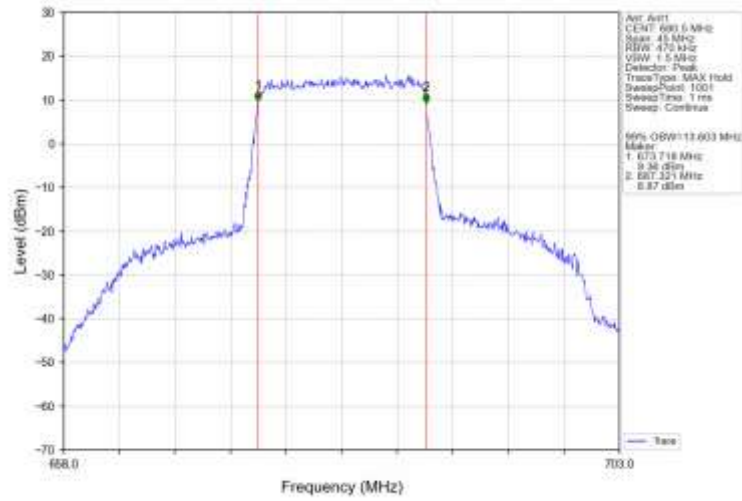
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



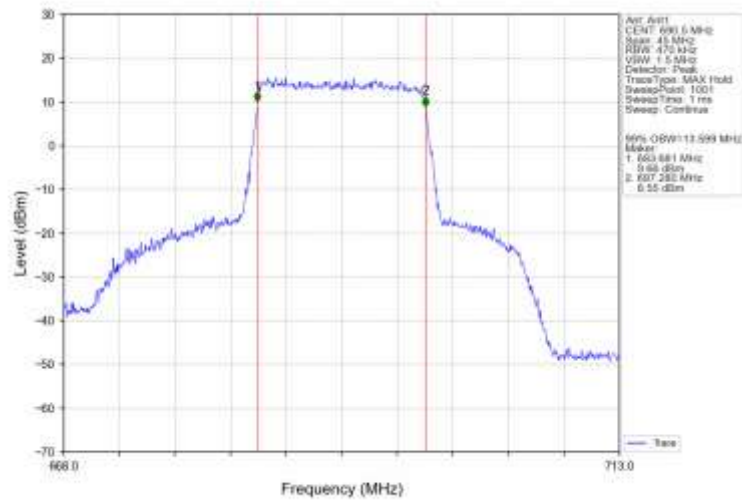
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



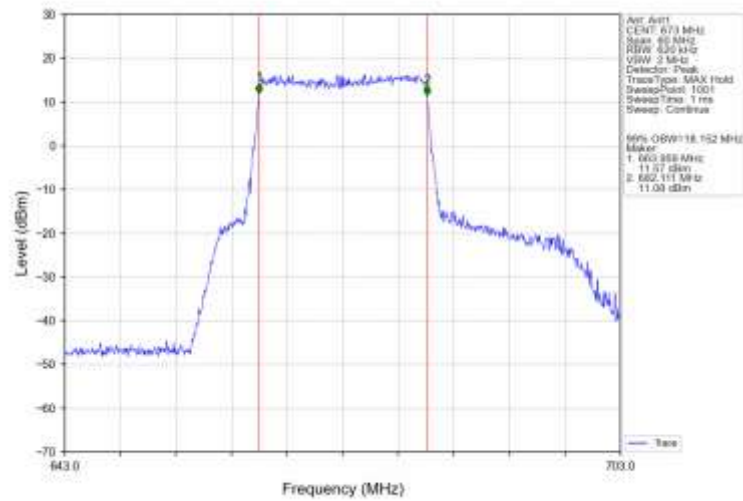
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



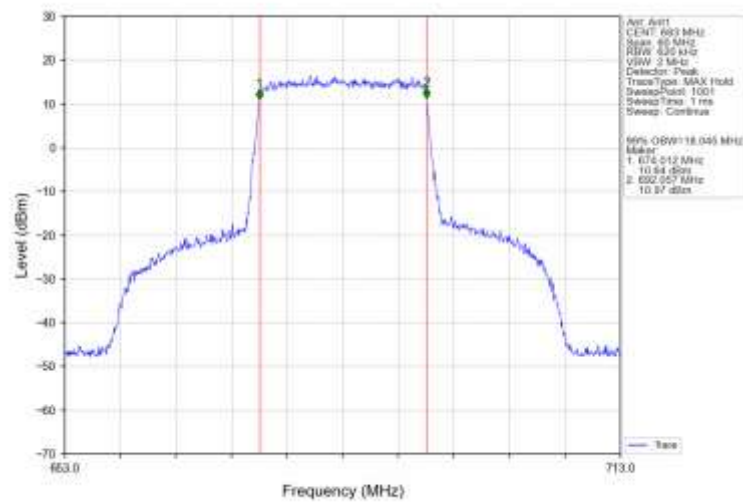
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



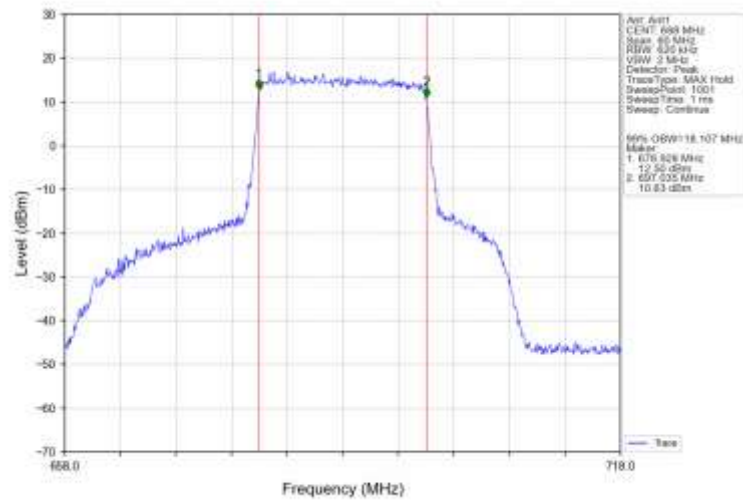
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



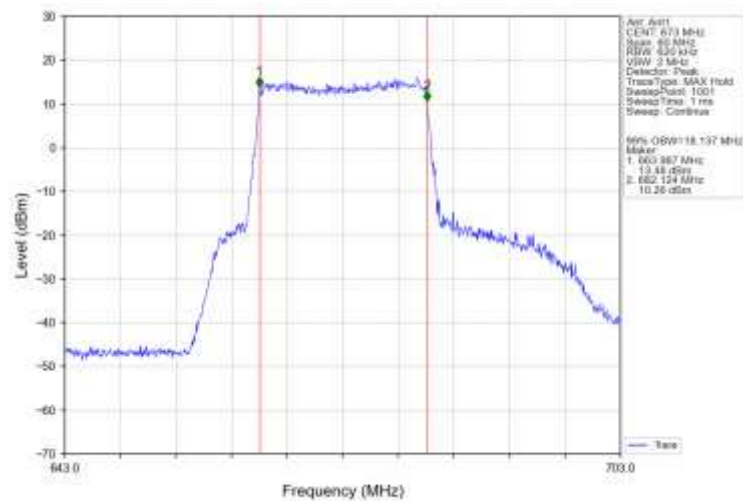
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



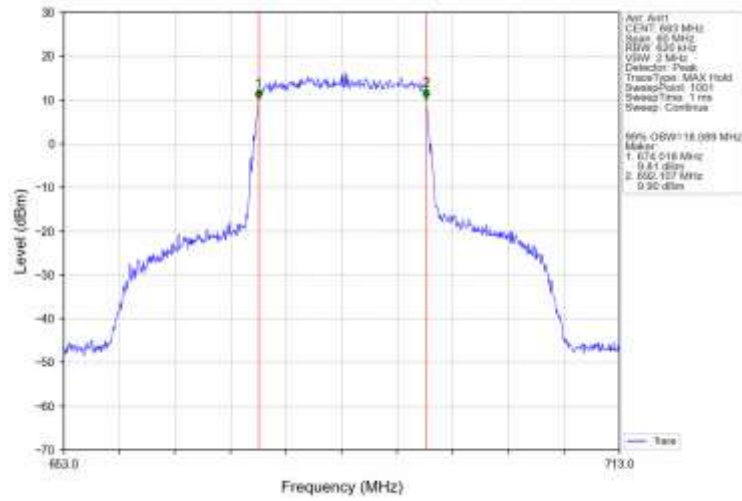
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



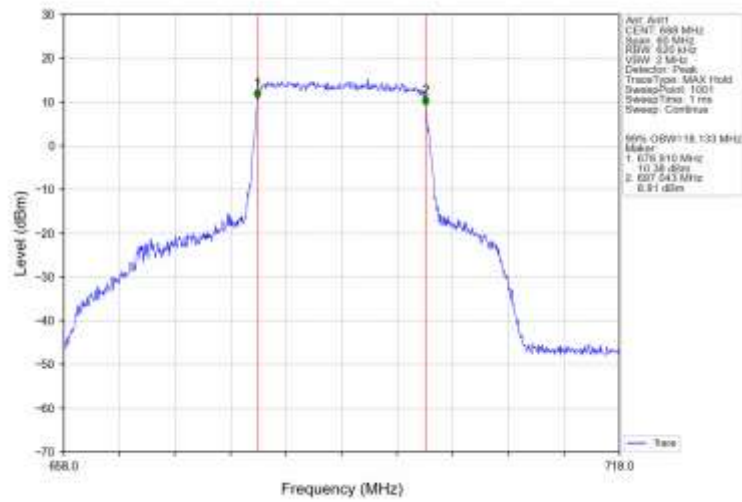
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



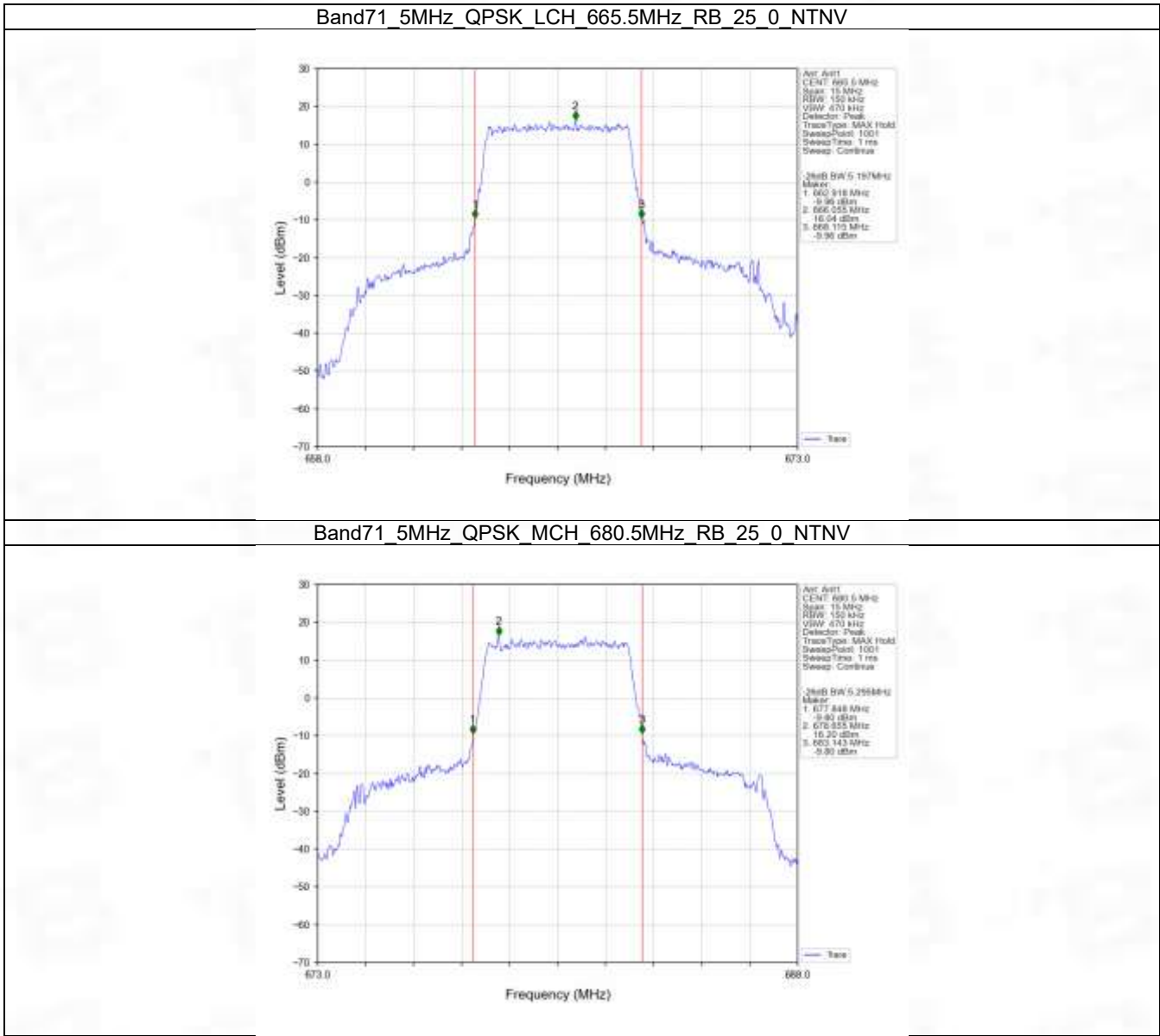
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



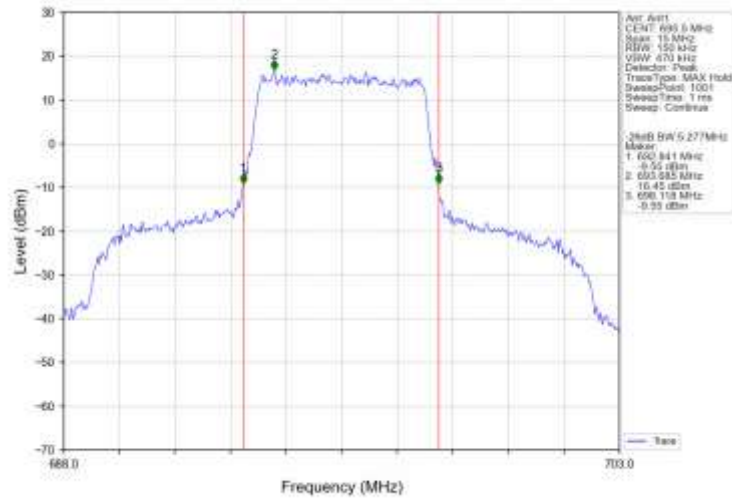
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



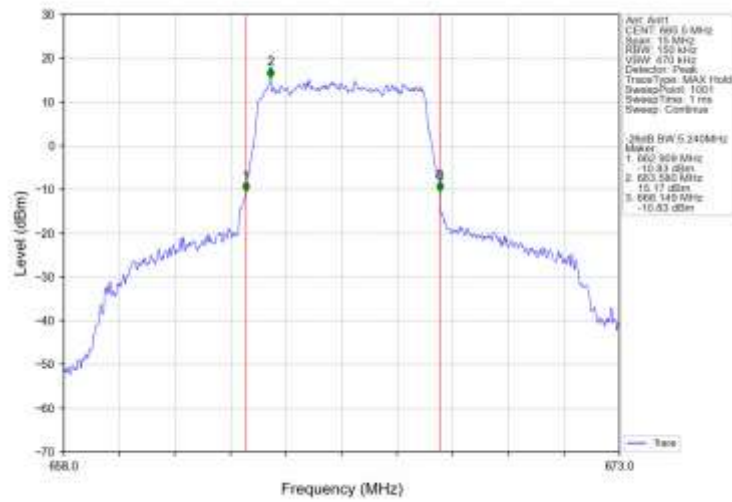
4.2.2 Band71_XDB



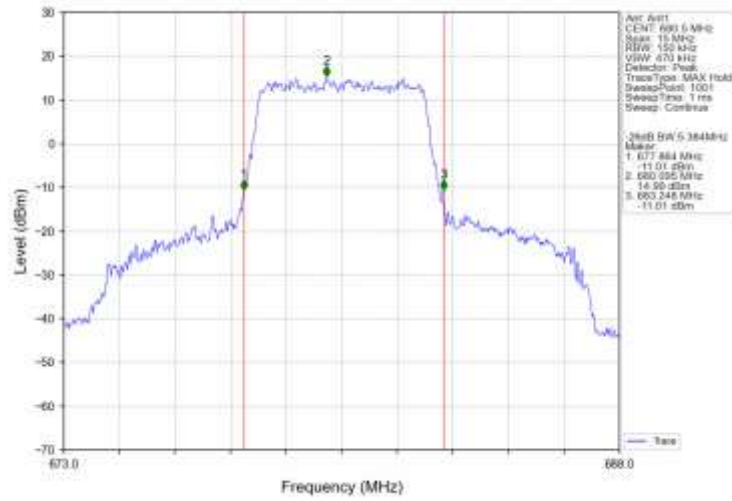
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



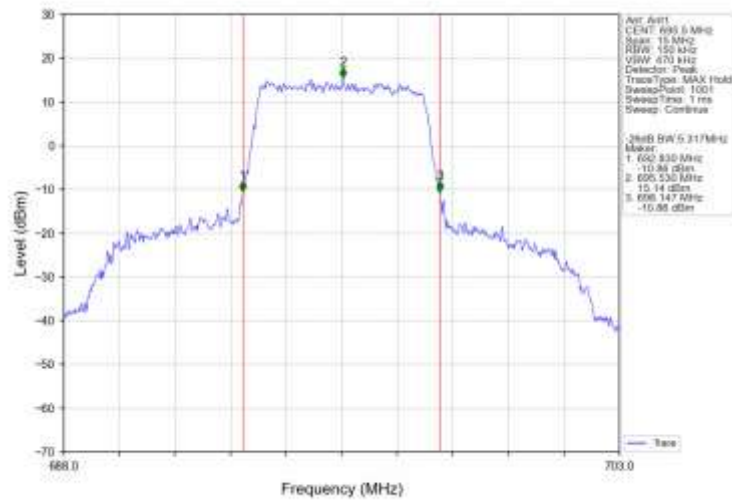
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



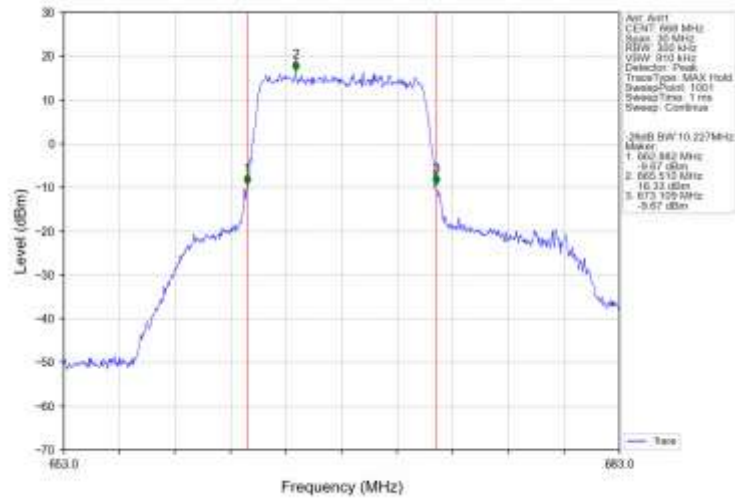
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



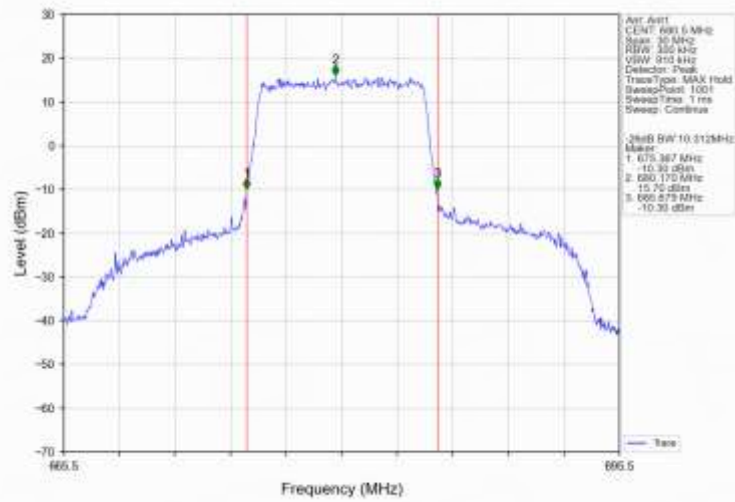
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



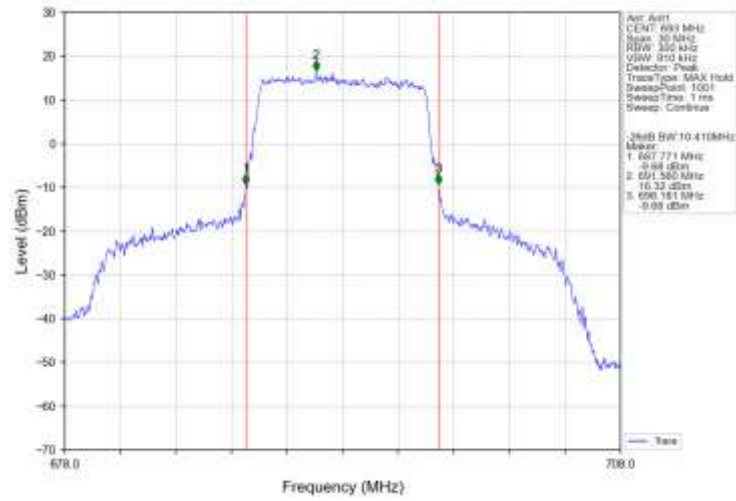
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



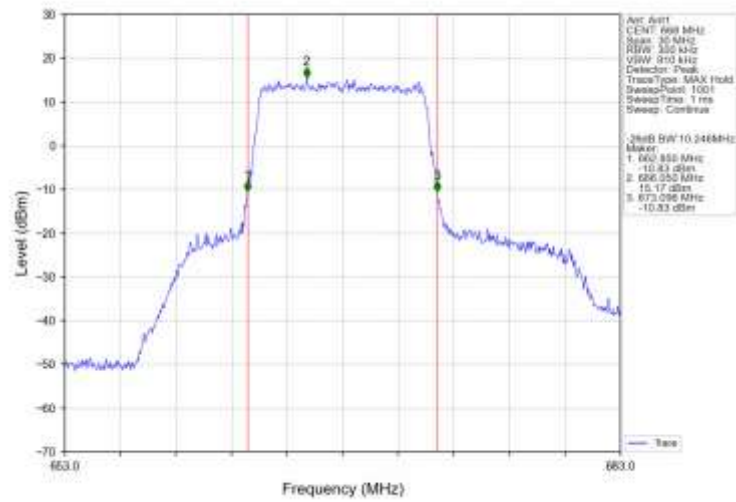
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



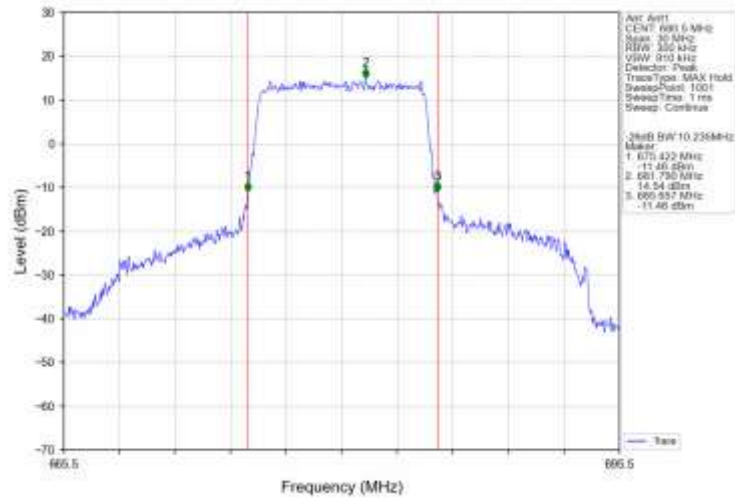
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



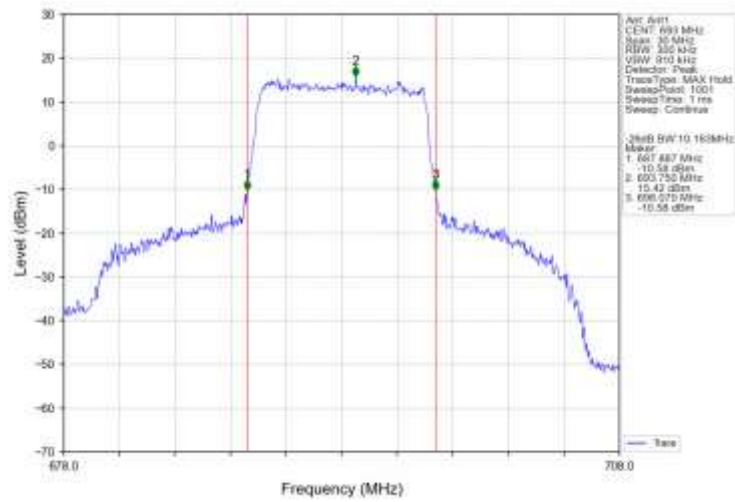
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



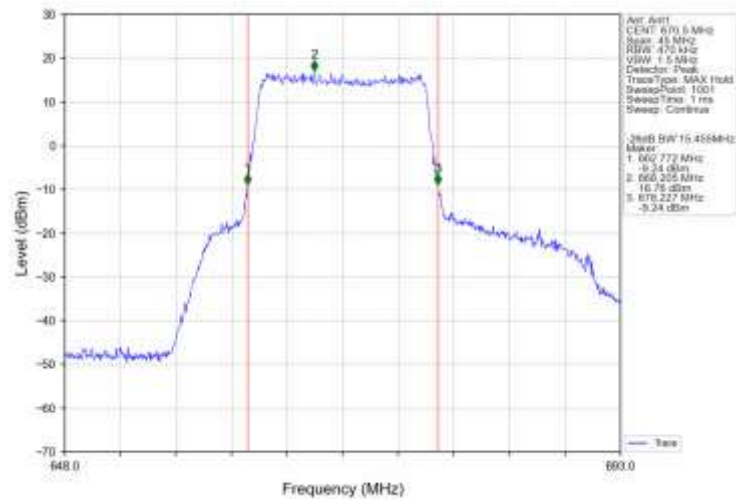
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



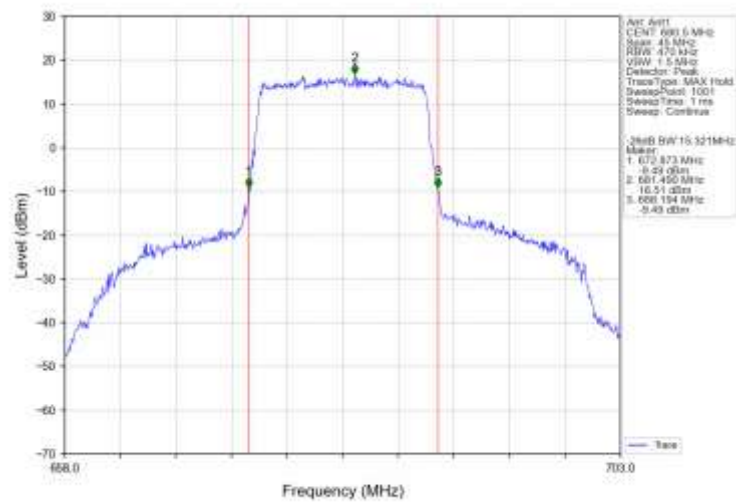
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



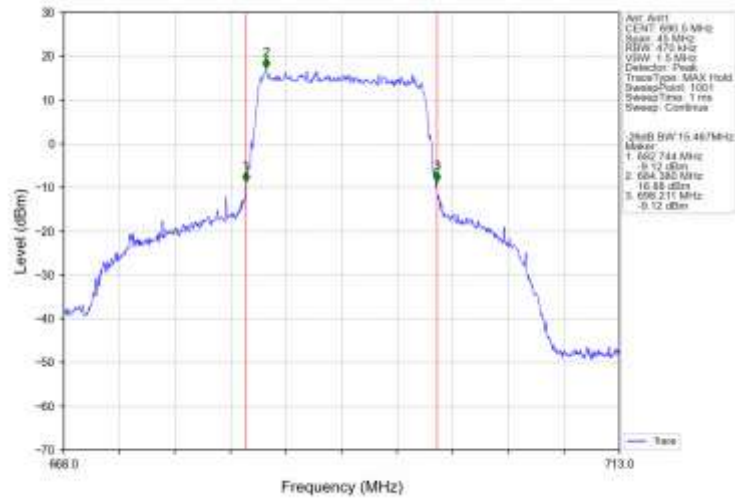
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



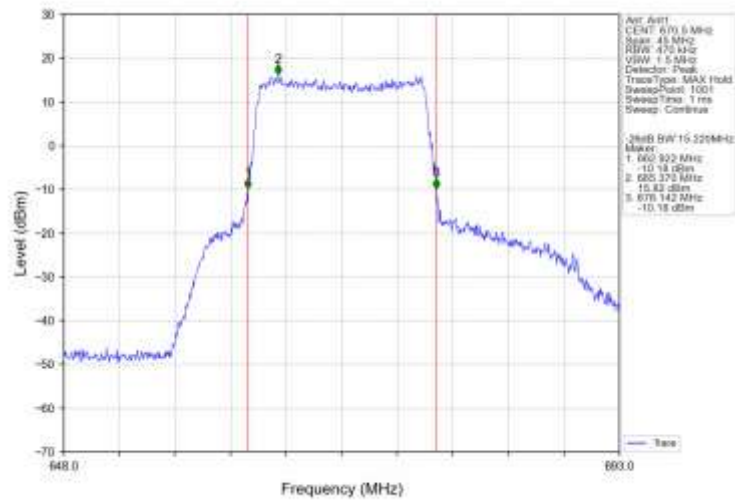
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



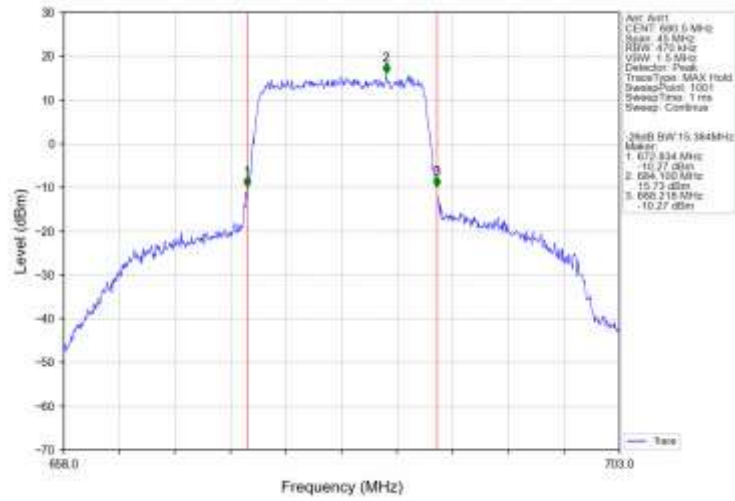
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



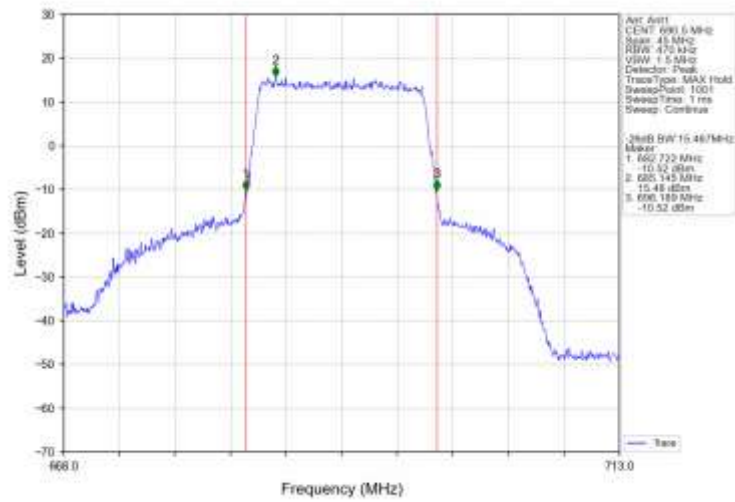
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



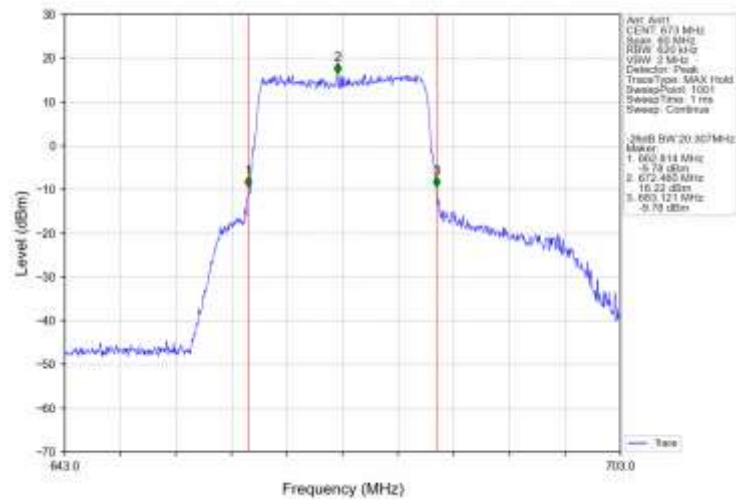
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



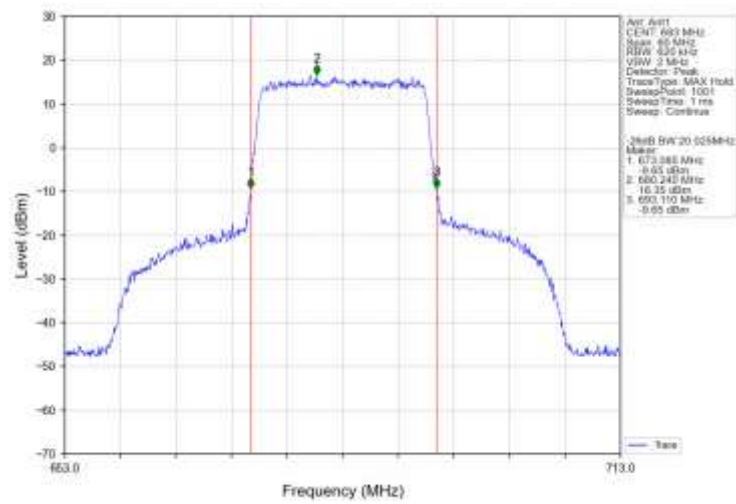
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



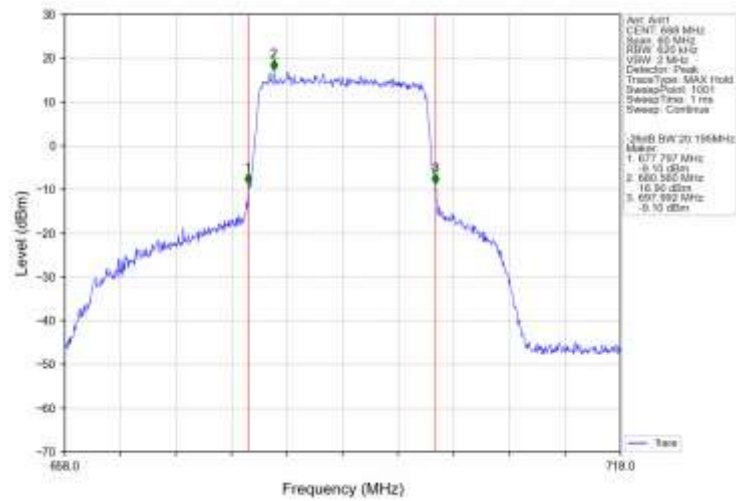
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



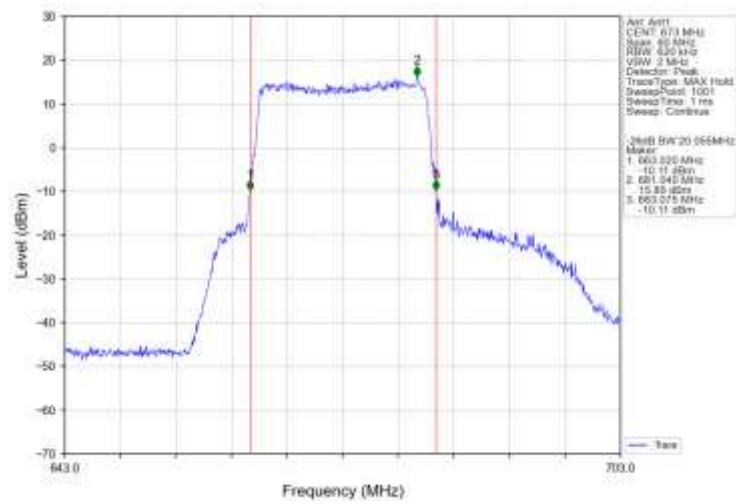
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



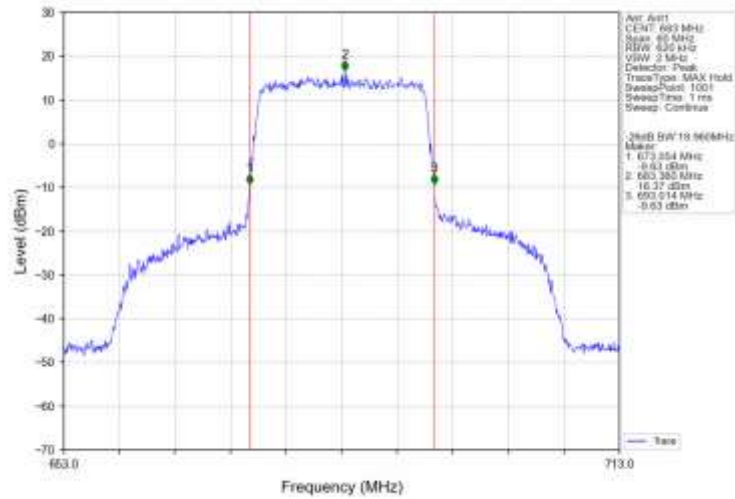
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



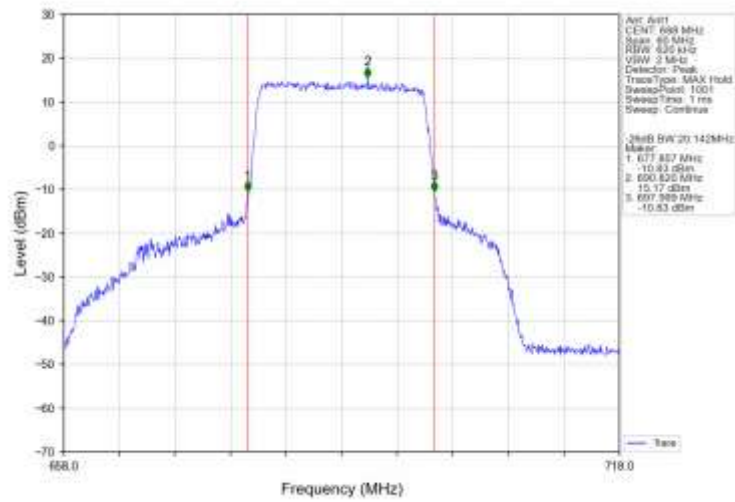
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



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



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.09	<=13	Pass
	680.5	25	0	4.83	<=13	Pass
	695.5	25	0	4.91	<=13	Pass
16QAM	665.5	25	0	5.72	<=13	Pass
	680.5	25	0	5.53	<=13	Pass
	695.5	25	0	5.59	<=13	Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.19	<=13	Pass
	680.5	50	0	4.92	<=13	Pass
	693	50	0	4.93	<=13	Pass
16QAM	668	50	0	5.89	<=13	Pass
	680.5	50	0	5.64	<=13	Pass
	693	50	0	5.61	<=13	Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	4.95	<=13	Pass
	680.5	75	0	4.82	<=13	Pass
	690.5	75	0	4.85	<=13	Pass
16QAM	670.5	75	0	6.08	<=13	Pass
	680.5	75	0	5.89	<=13	Pass
	690.5	75	0	5.91	<=13	Pass

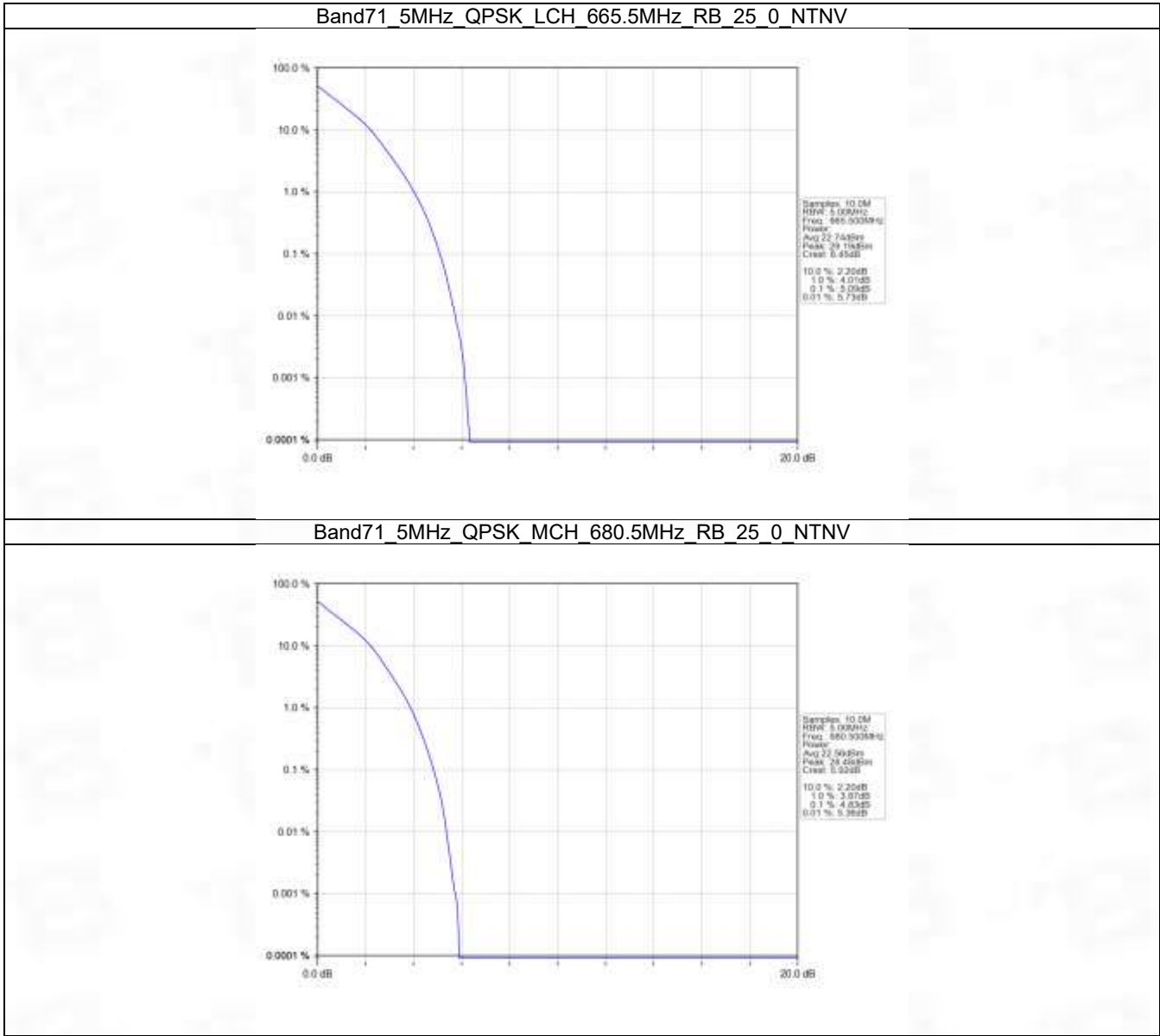
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.71	<=13	Pass
	683	100	0	5.64	<=13	Pass
	688	100	0	5.63	<=13	Pass
16QAM	673	100	0	6.58	<=13	Pass
	683	100	0	6.57	<=13	Pass

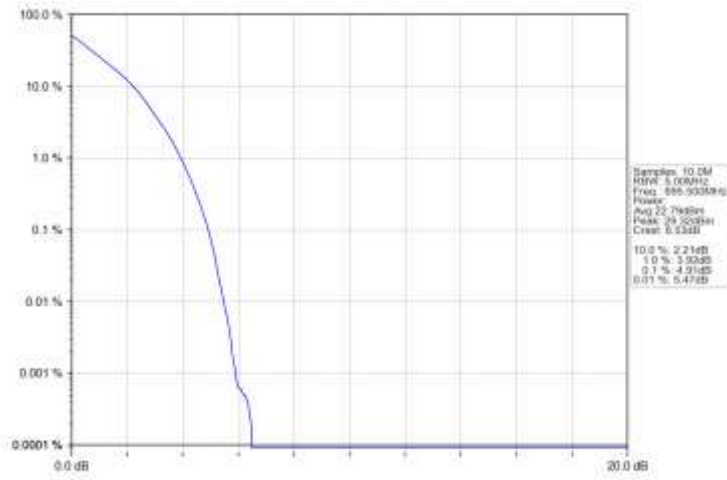
	688	100	0	6.56	<=13	Pass
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5.2 Test Graph

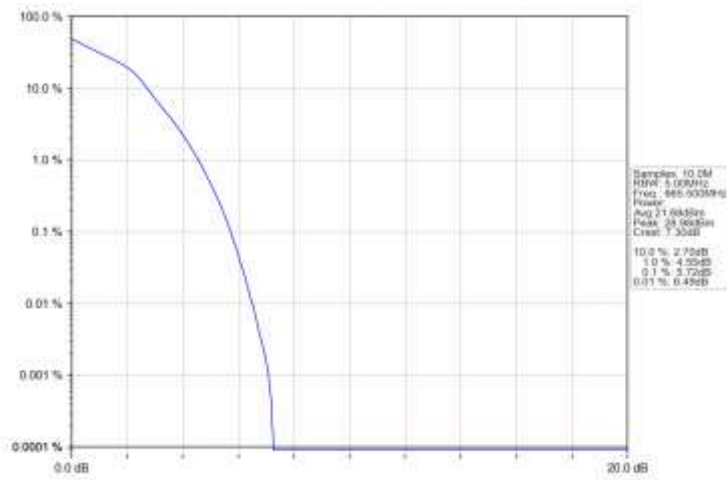
5.2.1 B71_5MHz



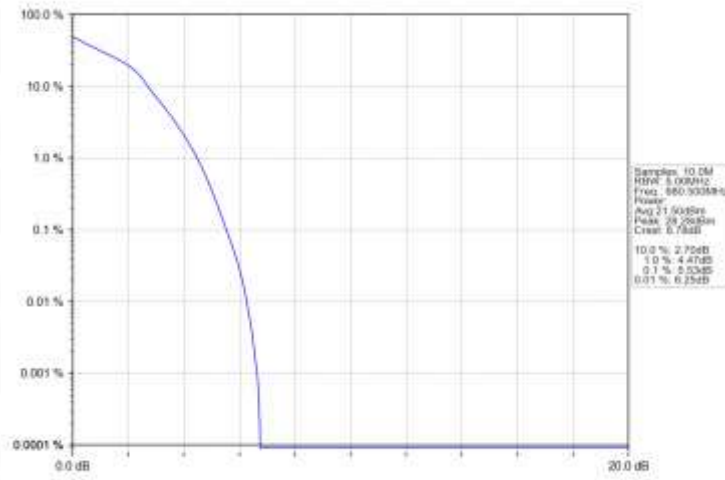
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



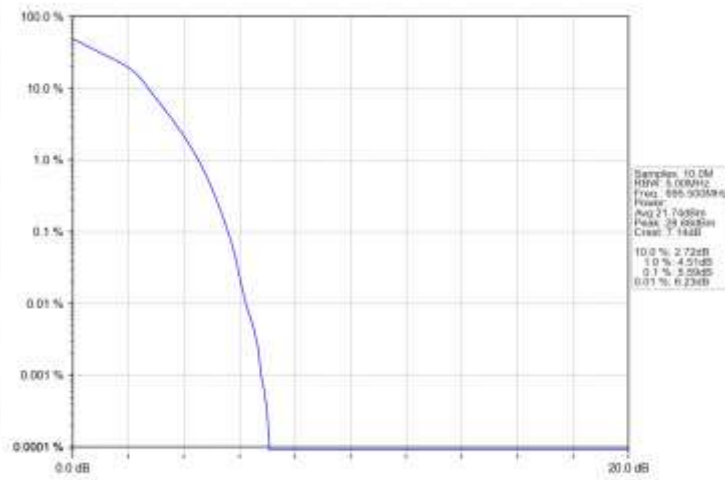
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTV



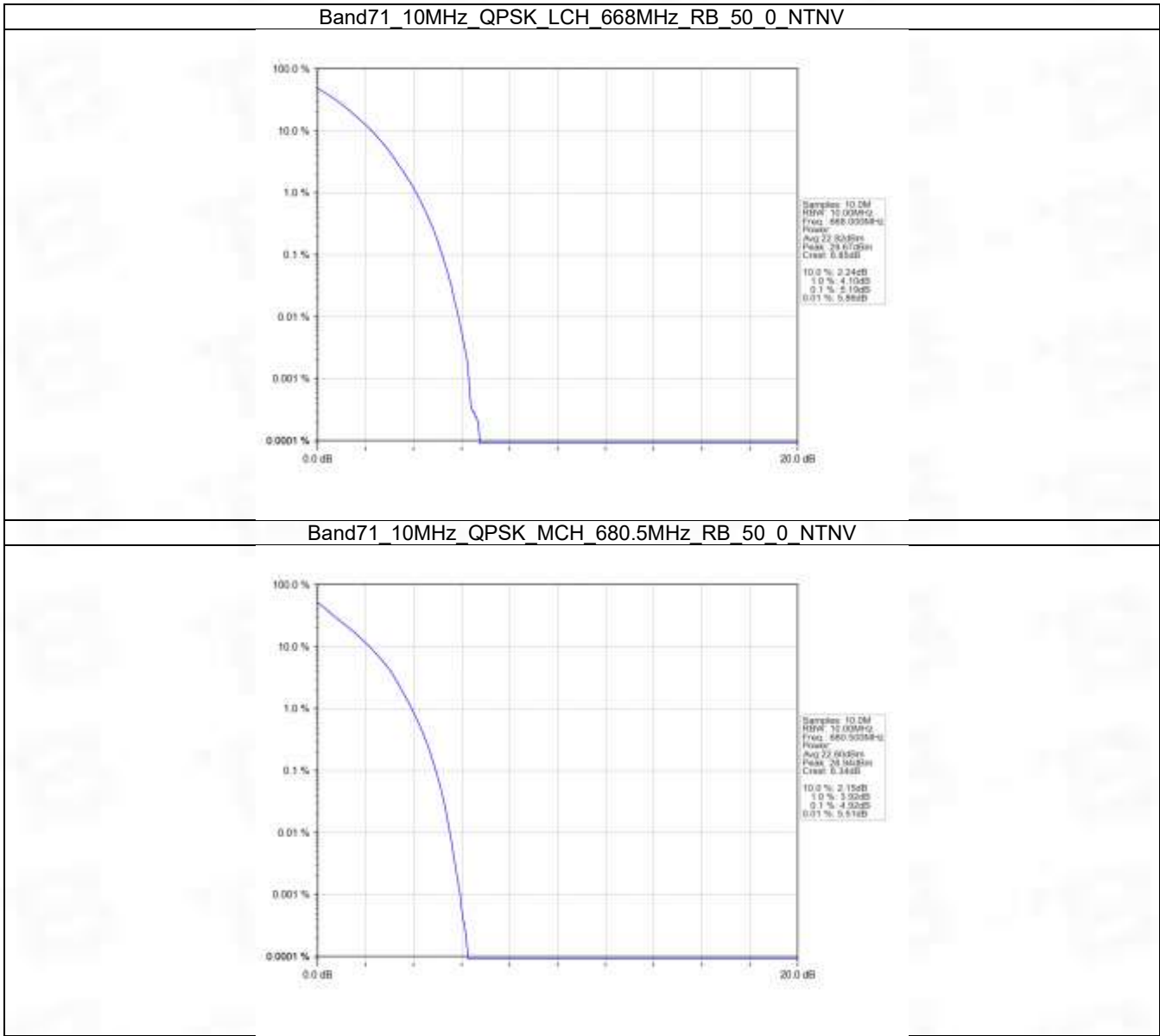
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



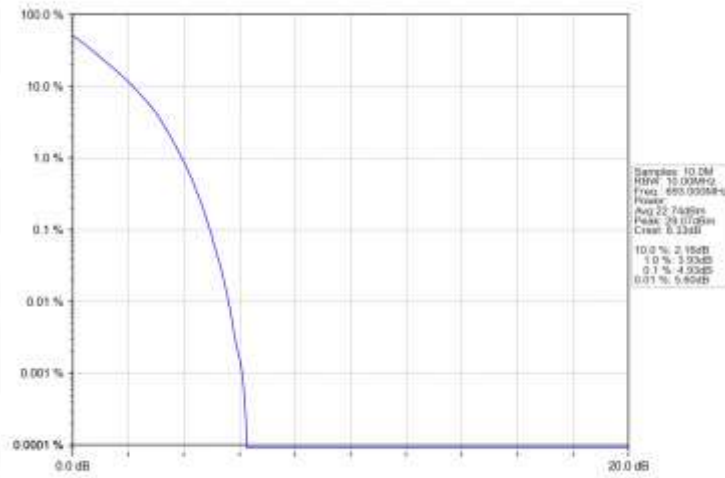
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



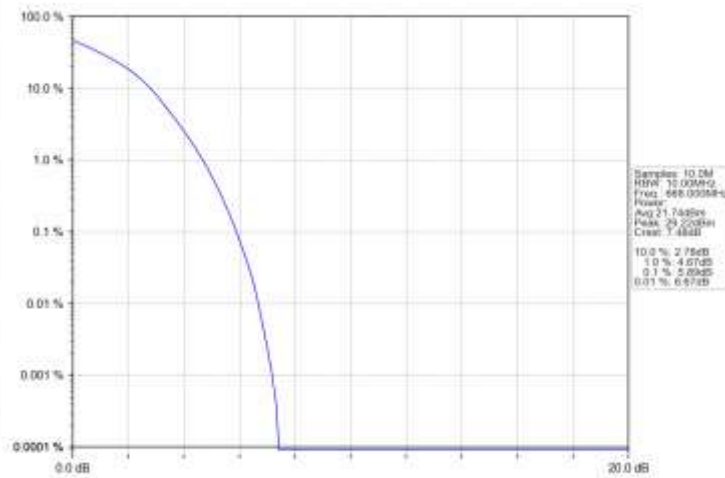
5.2.2 B71_10MHz



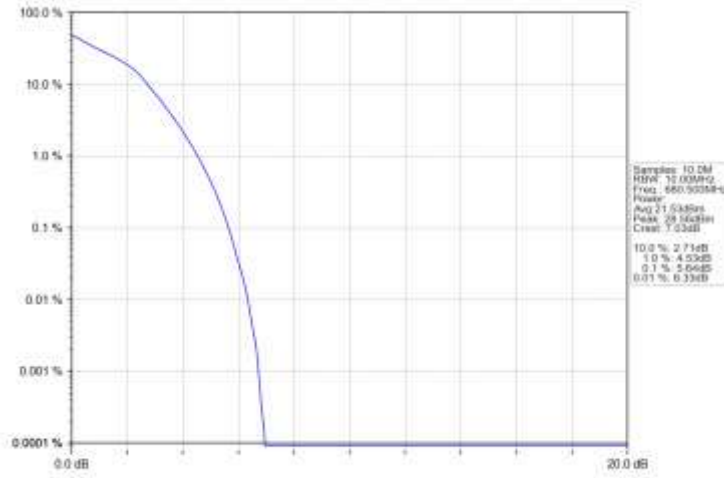
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



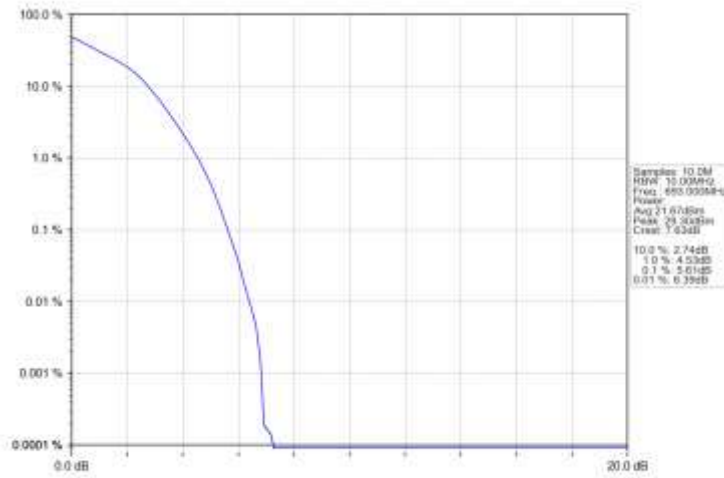
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



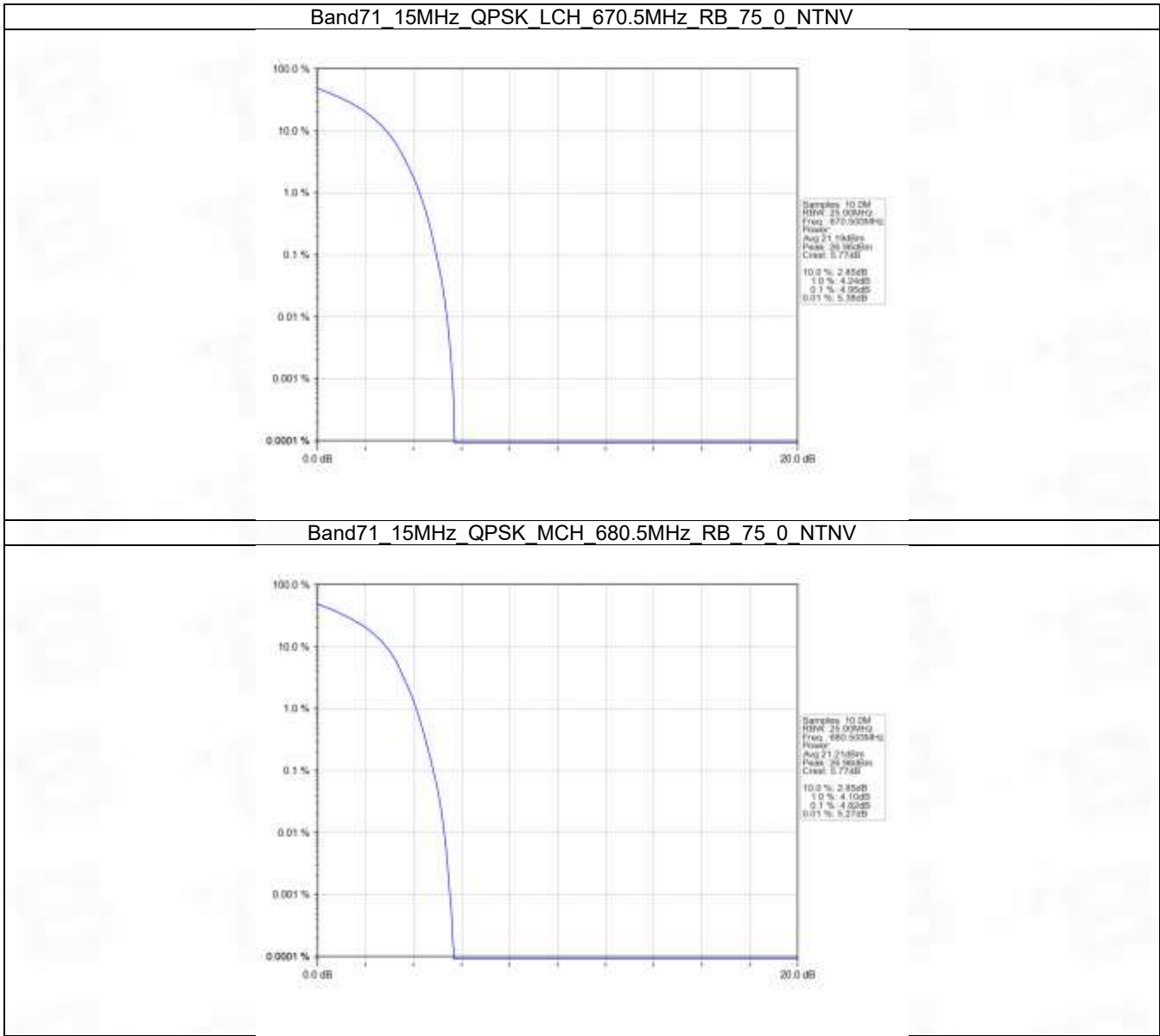
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



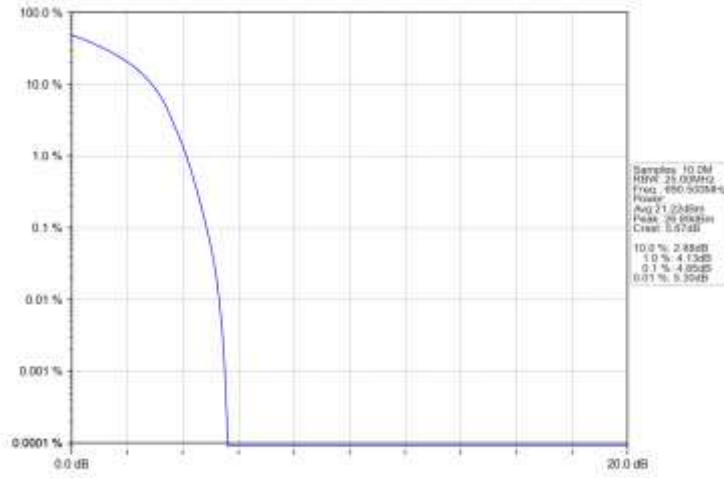
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



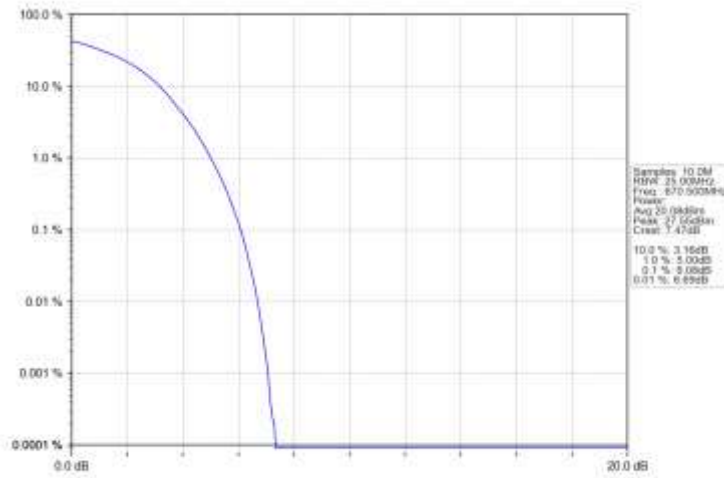
5.2.3 B71_15MHz



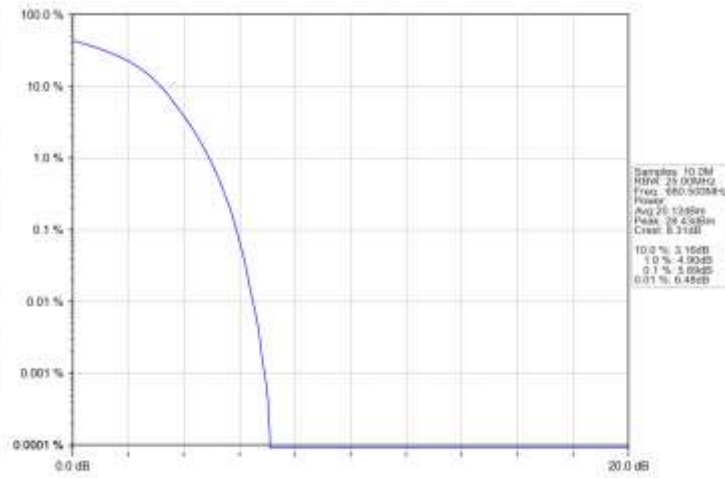
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



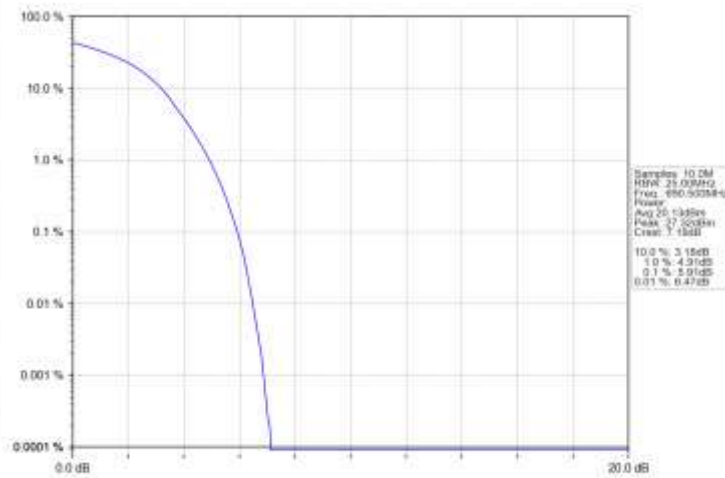
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



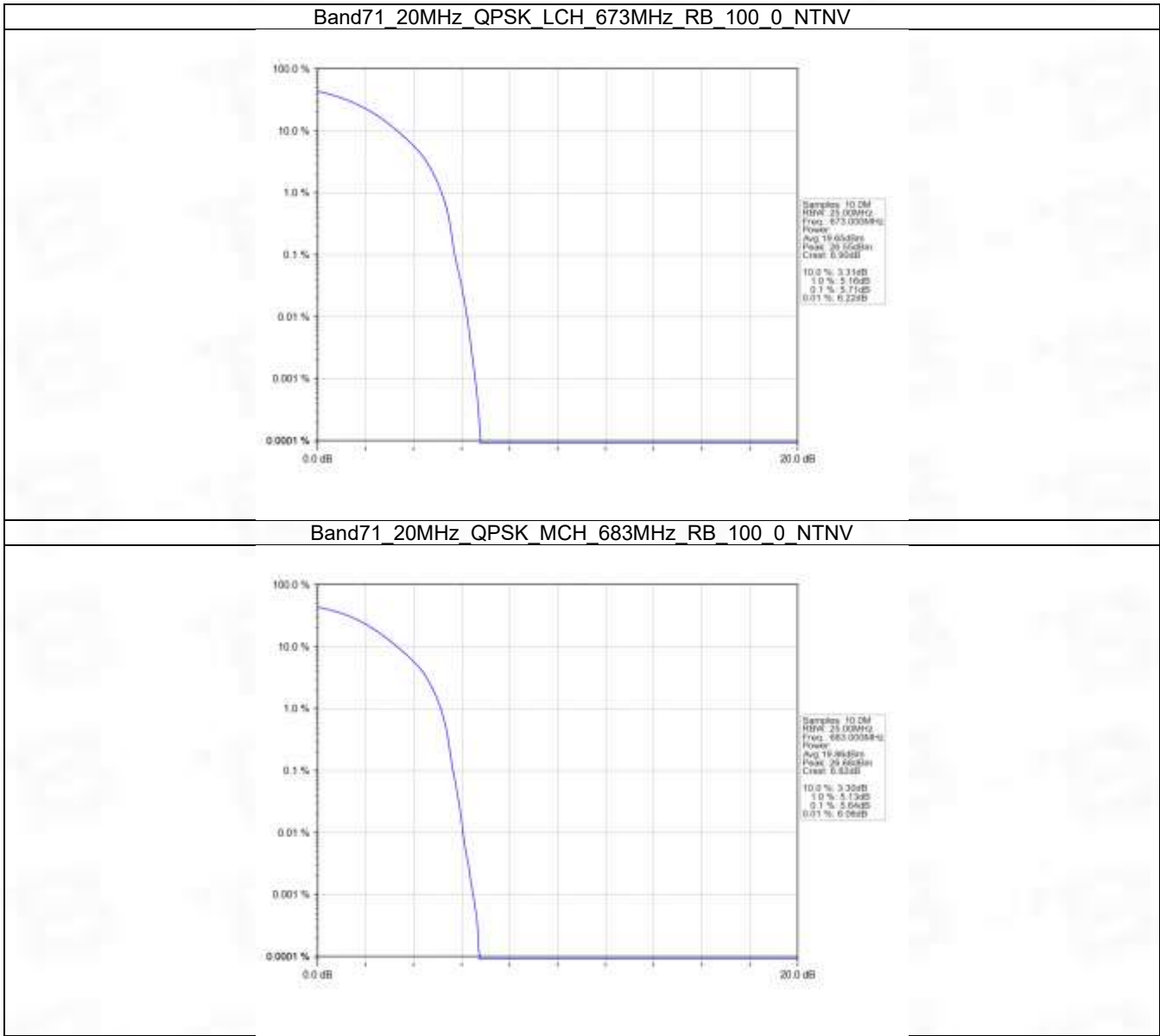
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



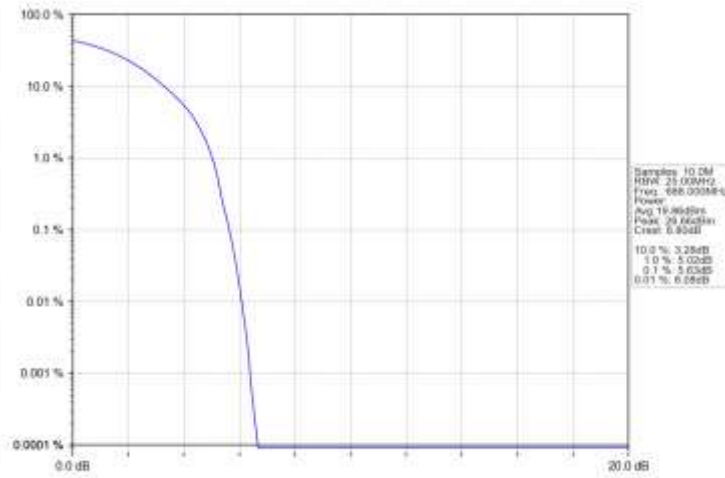
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



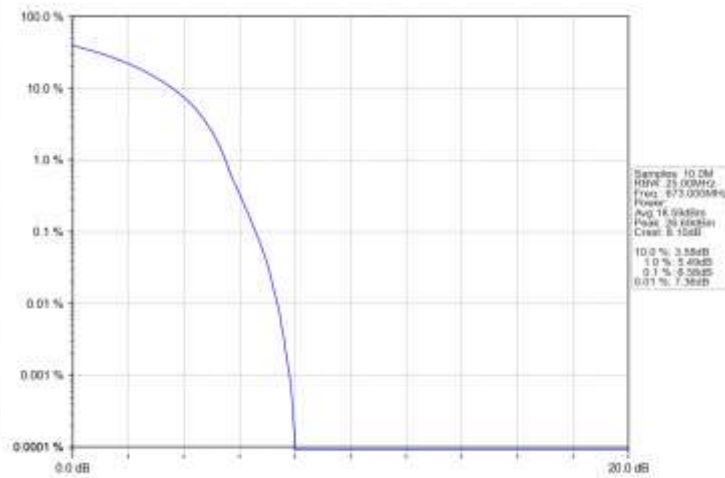
5.2.4 B71_20MHz



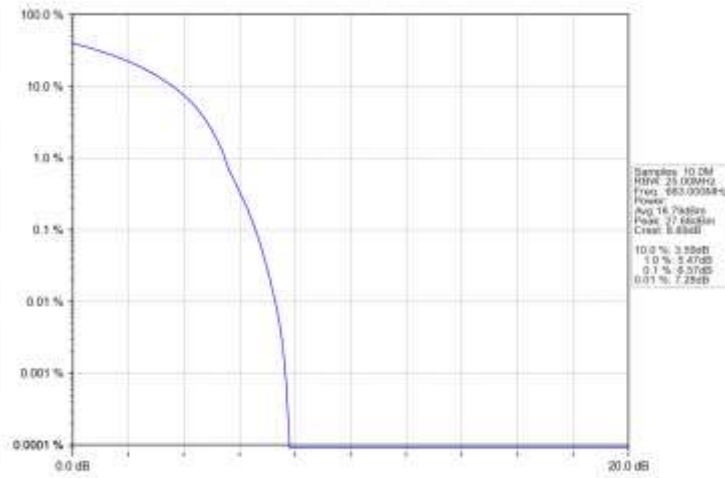
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



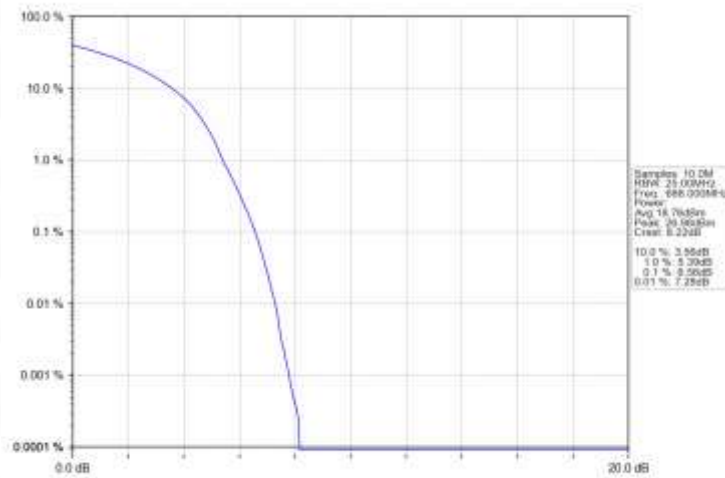
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTN



6. Spurious Emission

6.1 Test Result

6.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
16QAM	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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass

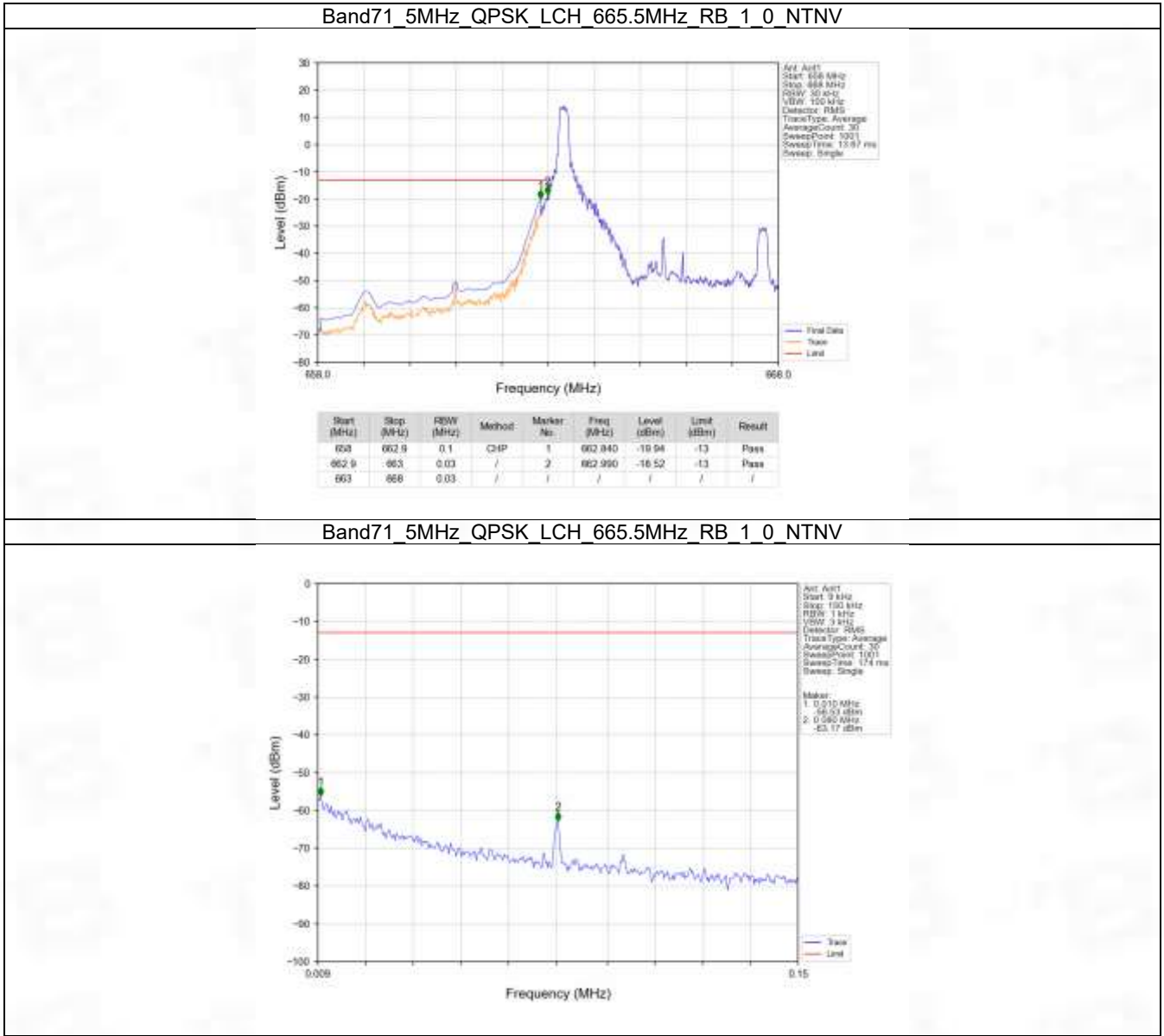
		75	0	Refer To Test Graph	Pass
	680.5	1	0	Refer To Test Graph	Pass
	690.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B71_20MHz

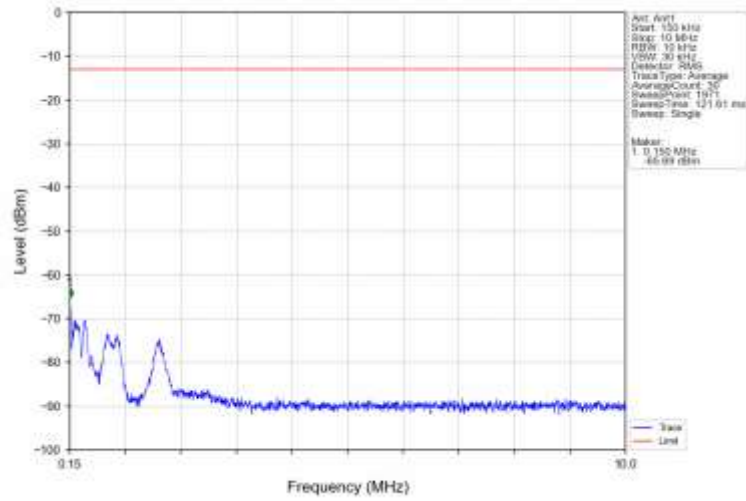
Band: 71 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
	688	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	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

6.2 Test Graph

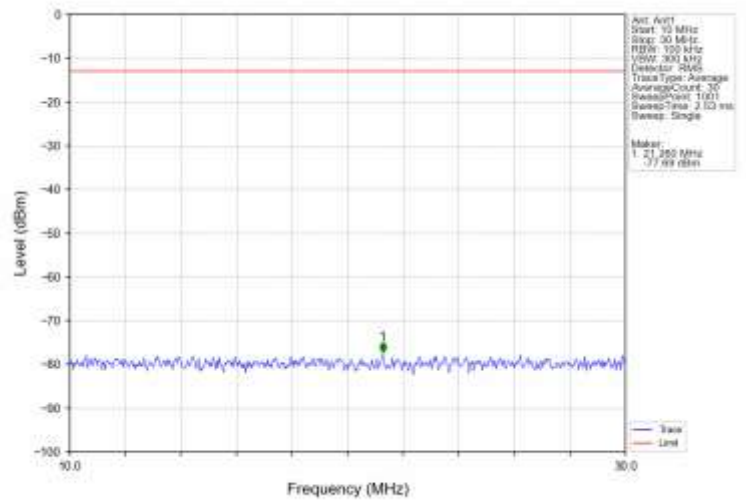
6.2.1 B71_5MHz



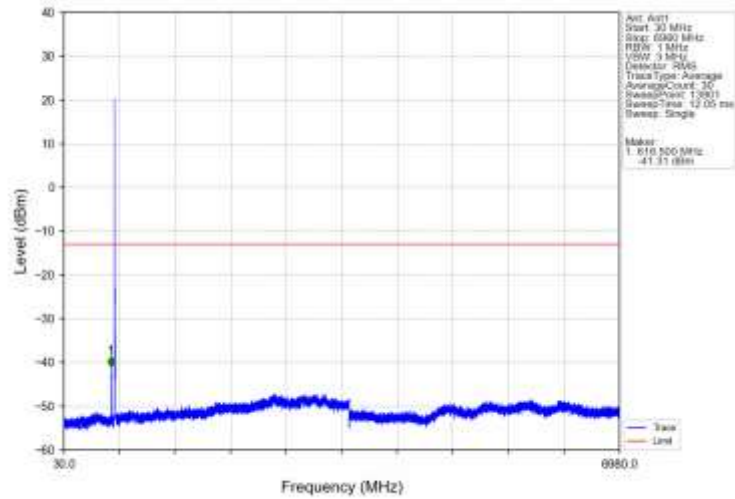
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTN



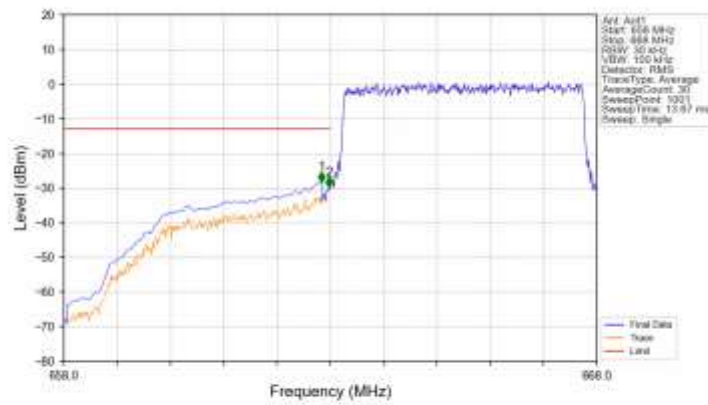
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTN



Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV

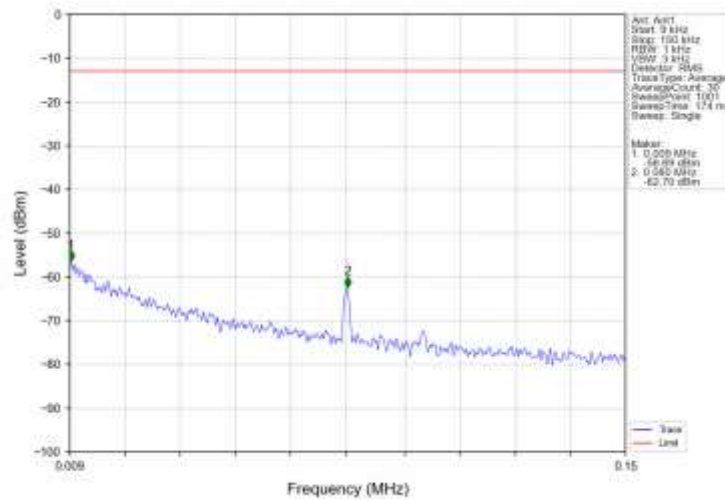


Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV

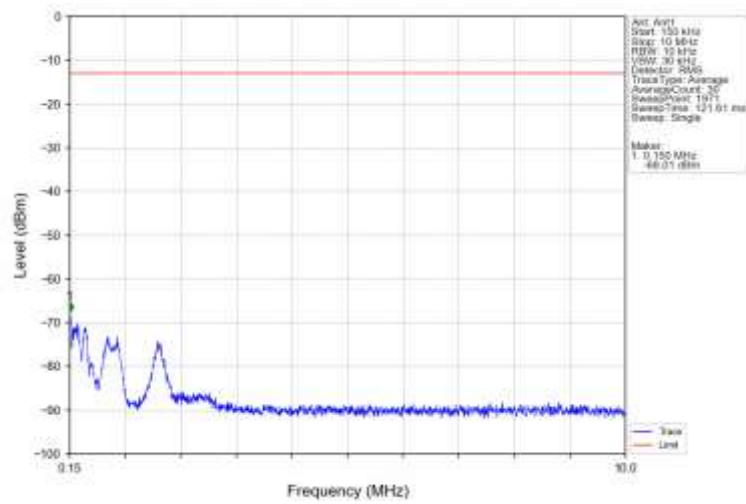


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
660	662.9	0.1	C4P	1	662.940	-26.31	-13	Pass
662.9	663	0.03	/	2	662.980	-29.78	-13	Pass
663	666	0.03	/	/	/	/	/	/

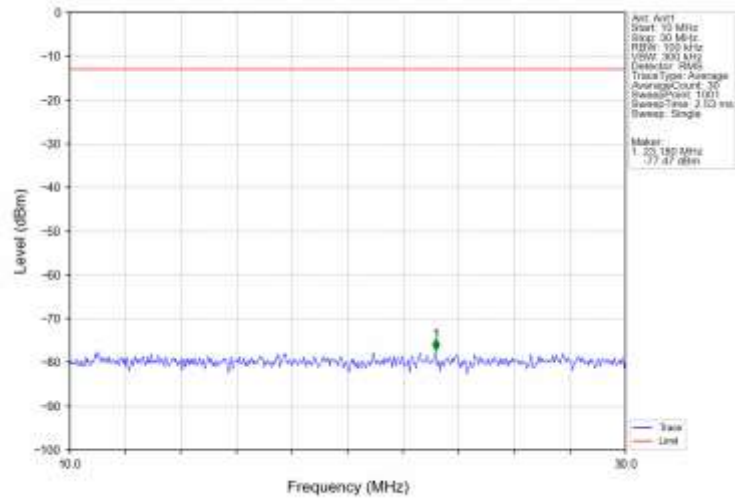
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



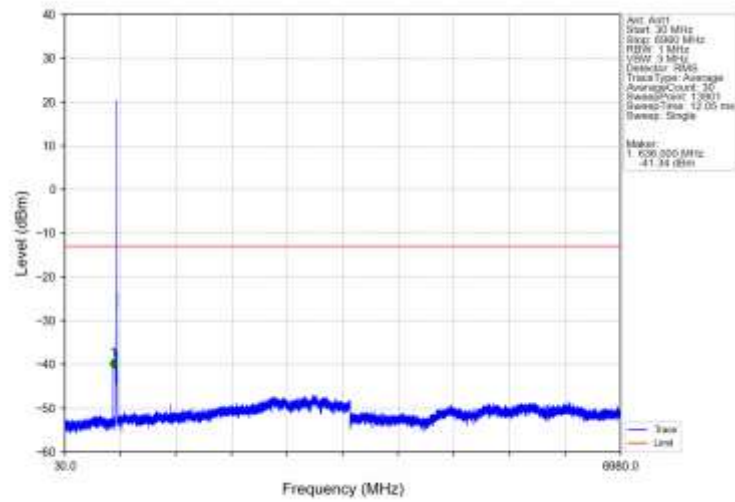
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



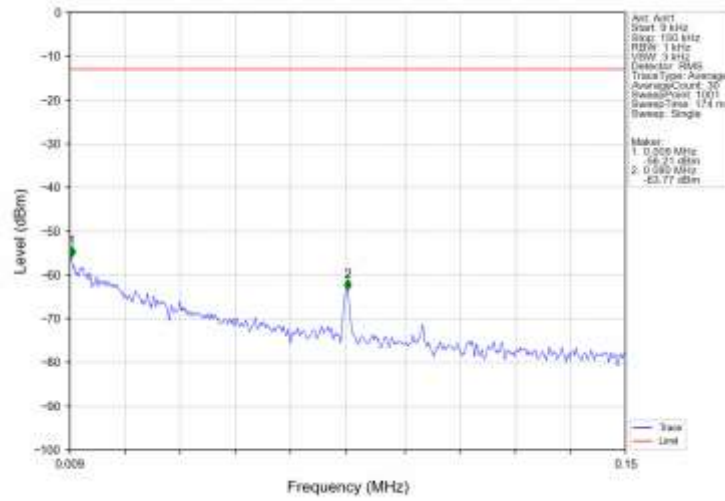
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



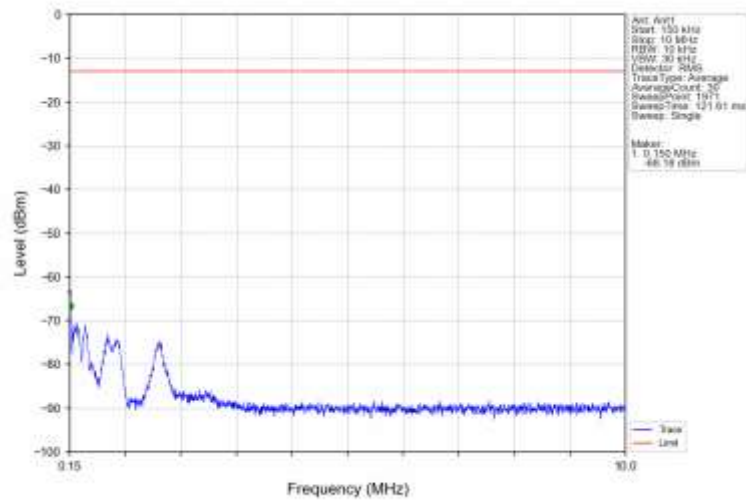
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



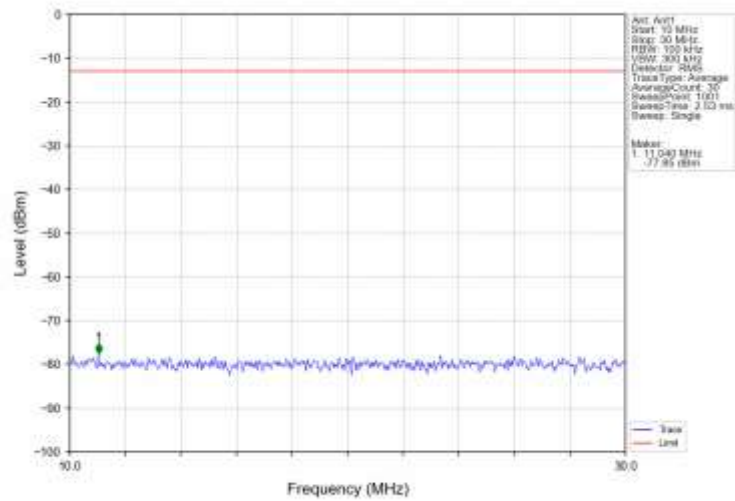
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV



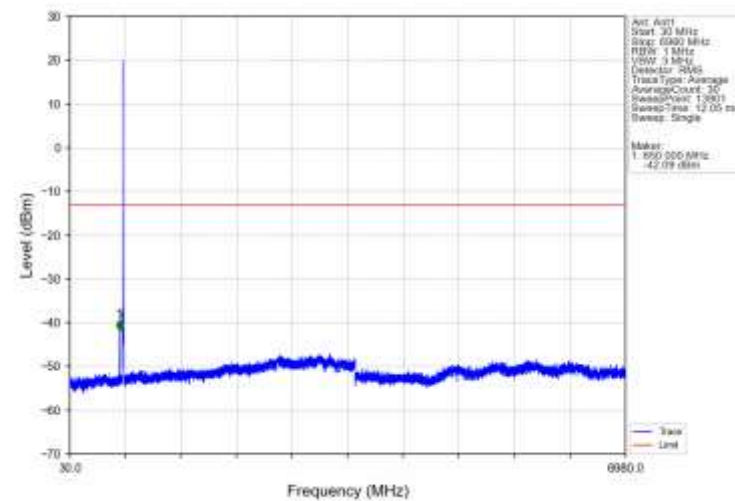
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV



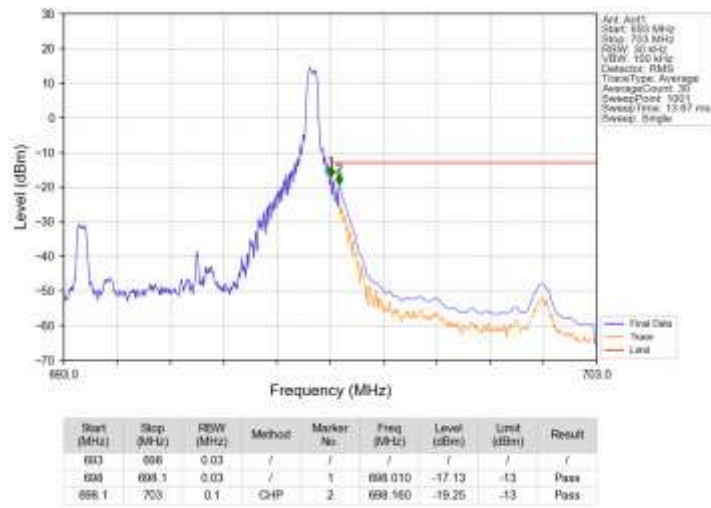
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN



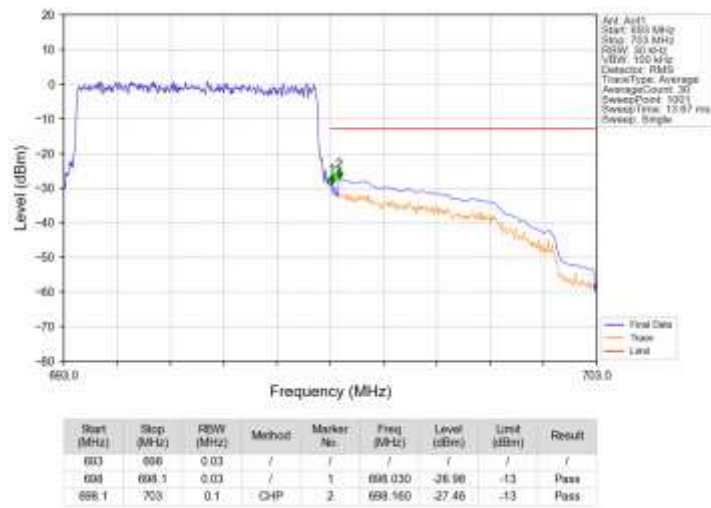
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN



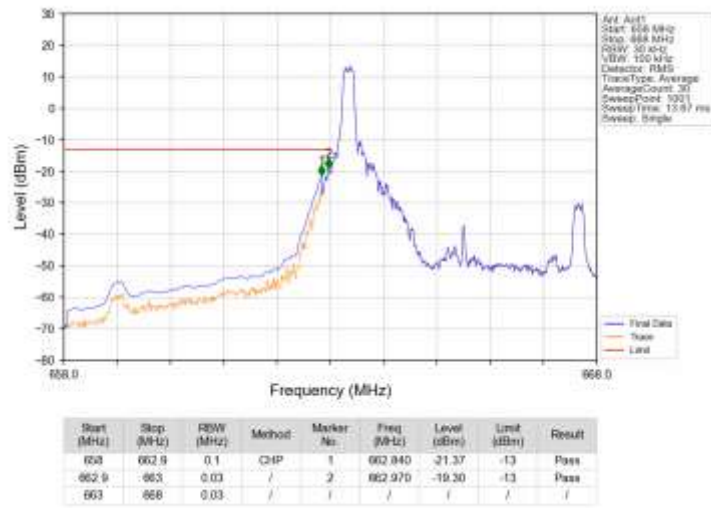
Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTNV



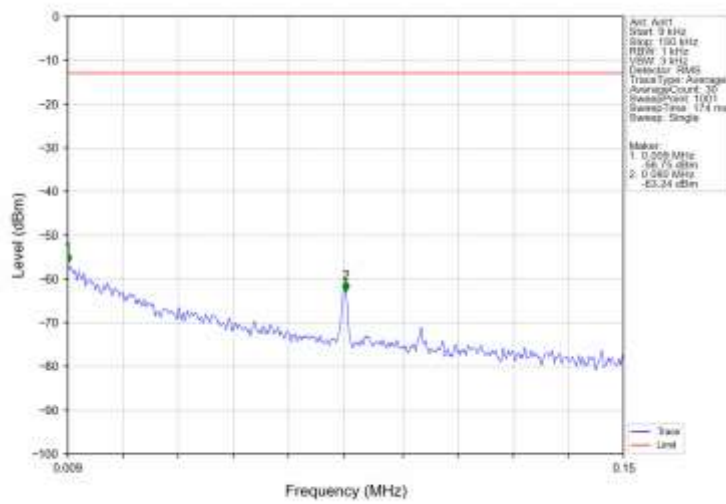
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



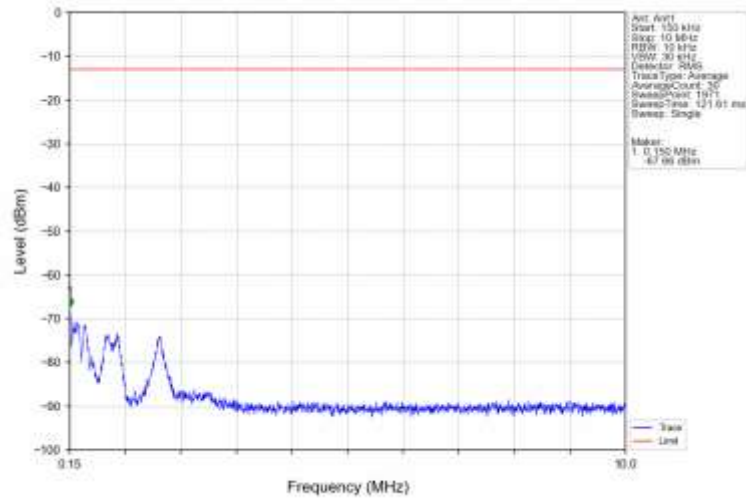
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



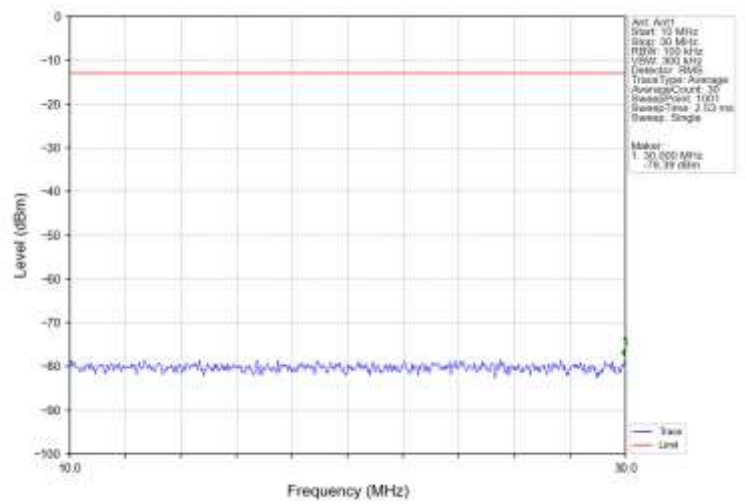
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



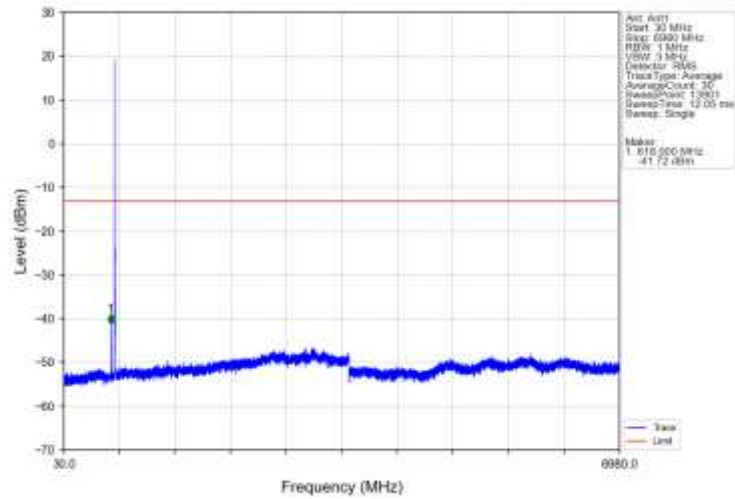
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



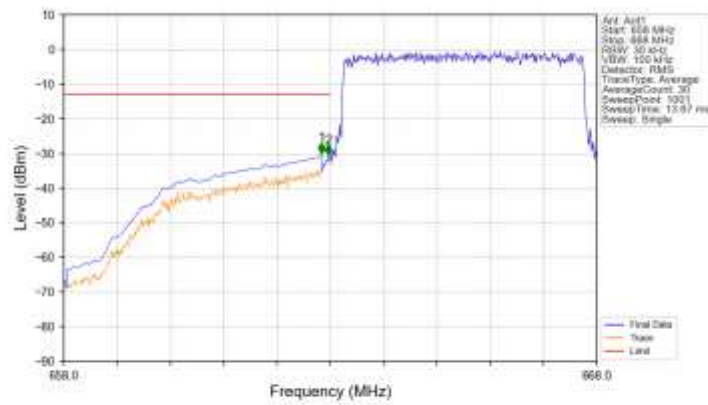
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

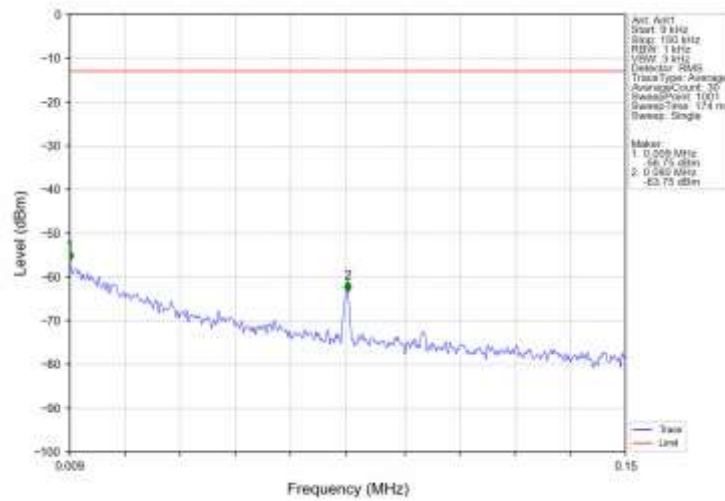


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

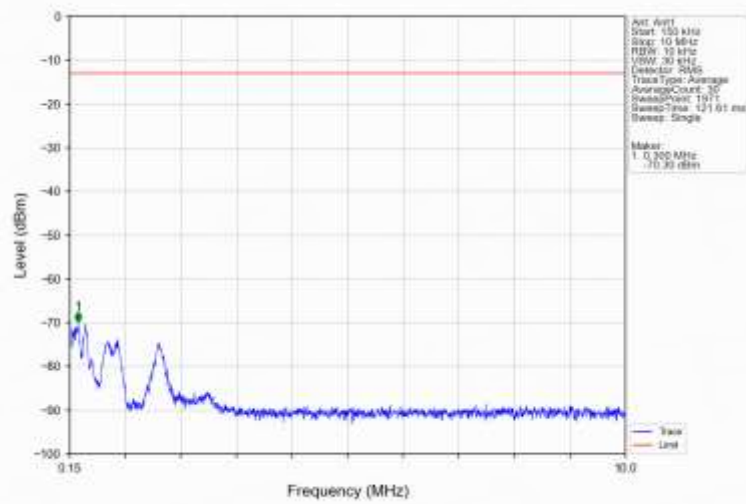


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	C4P	1	662.940	-29.93	-13	Pass
662.9	663	0.03	/	2	662.970	-30.51	-13	Pass
663	668	0.03	/	/	/	/	/	/

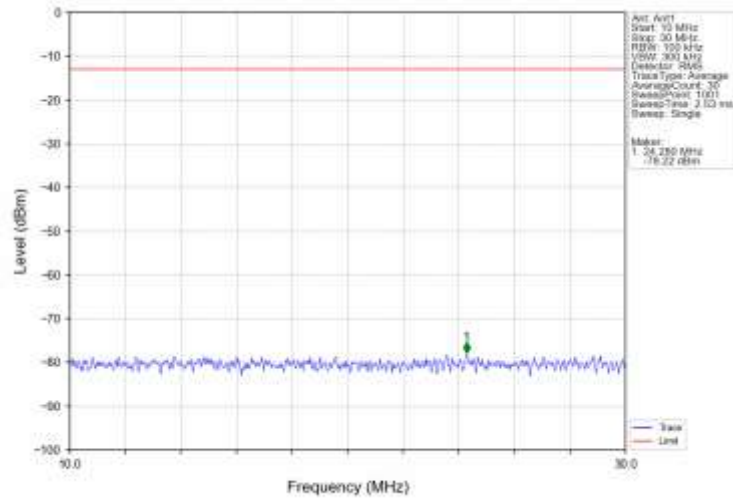
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



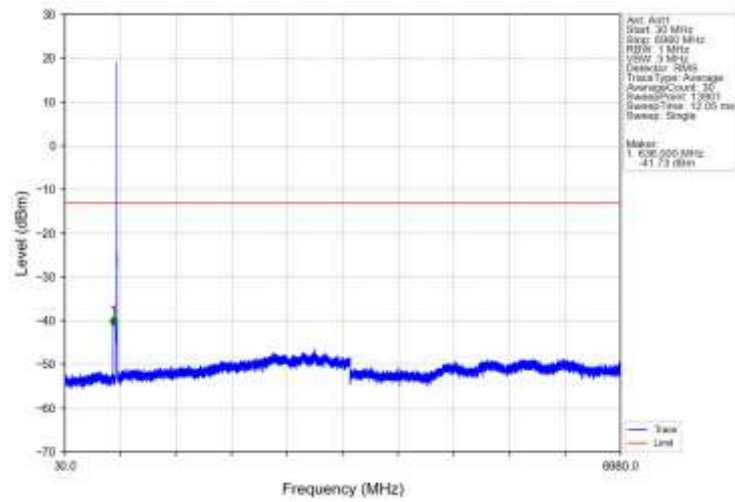
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



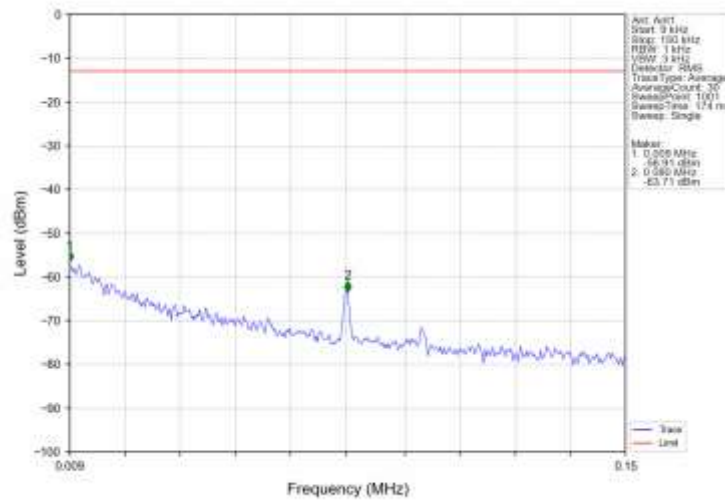
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



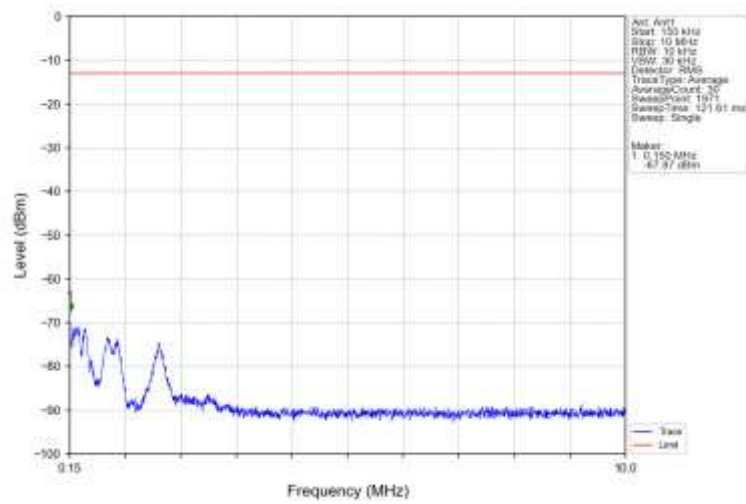
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



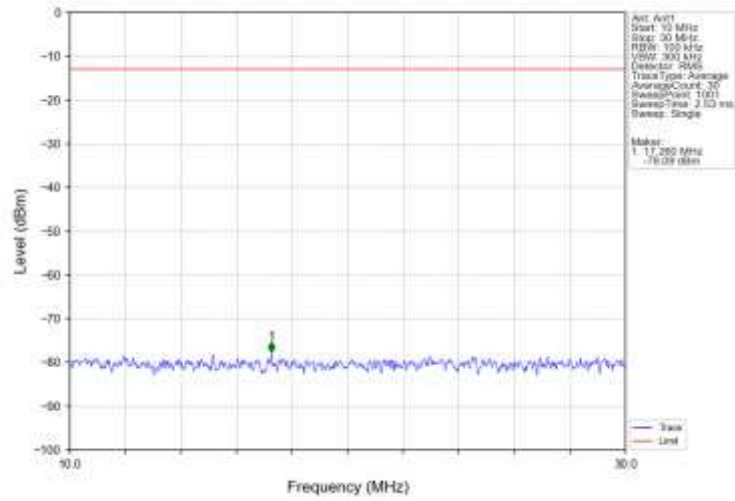
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



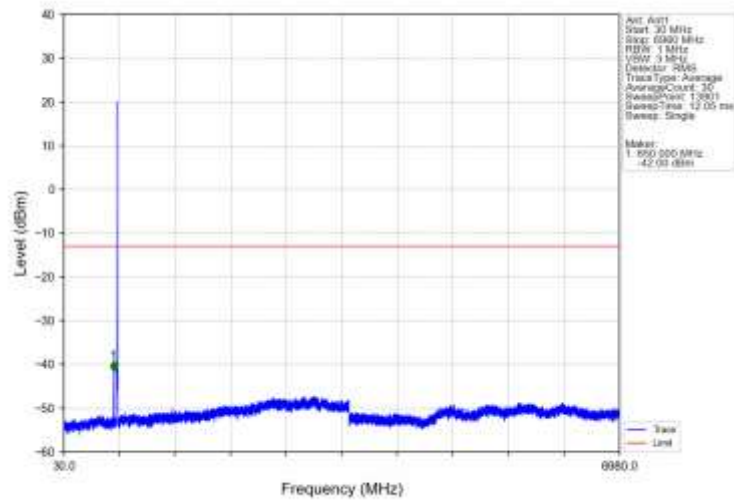
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



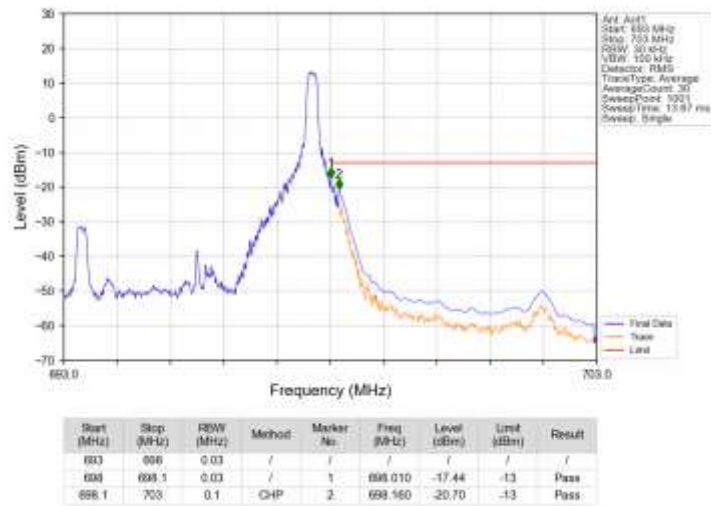
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



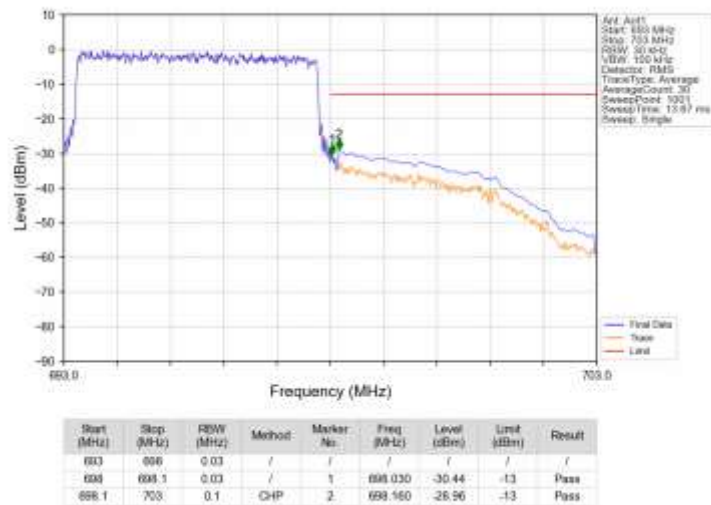
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71 5MHz 16QAM HCH 695.5MHz RB 1 24 NTNV

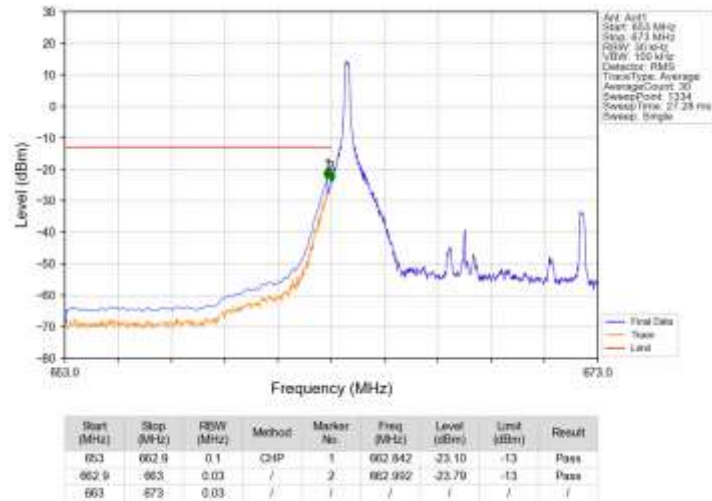


Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV

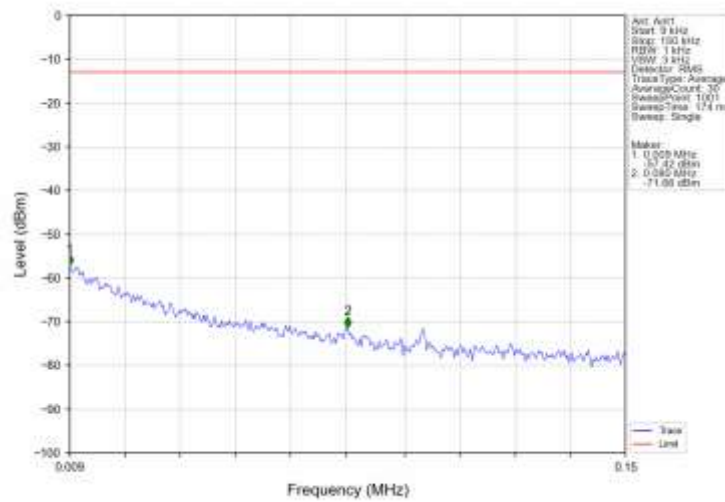


6.2.2 B71_10MHz

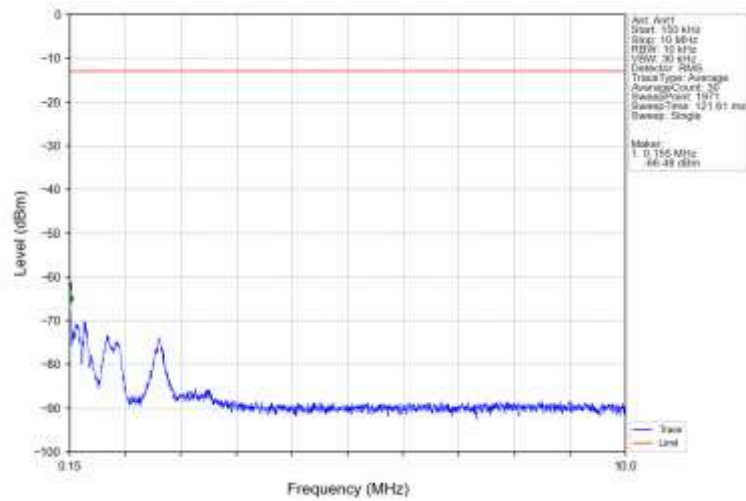
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



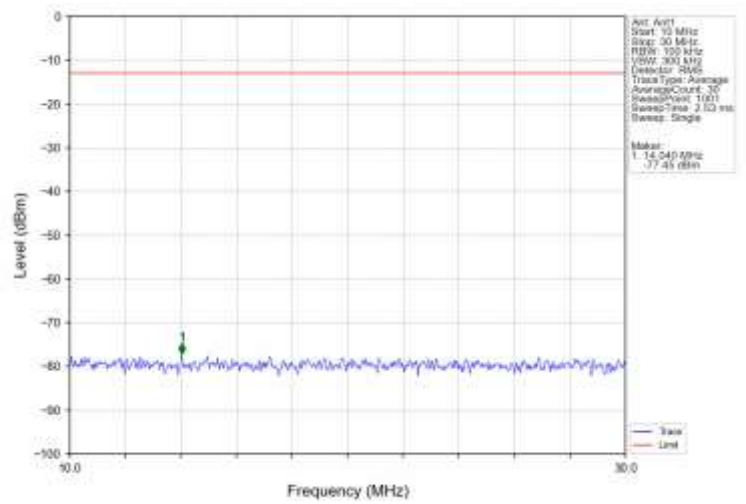
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



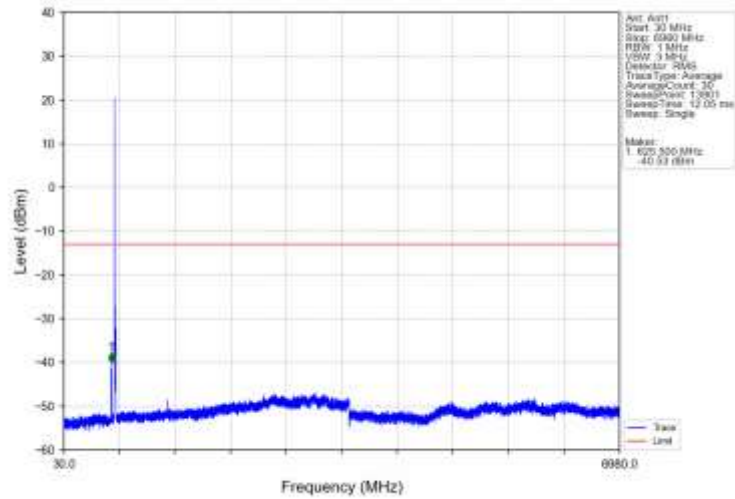
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



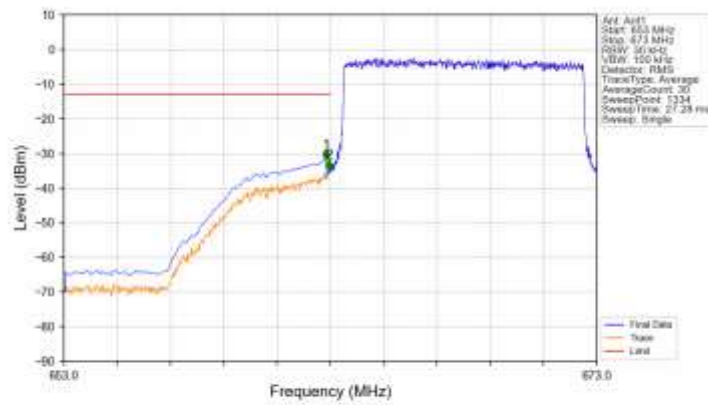
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

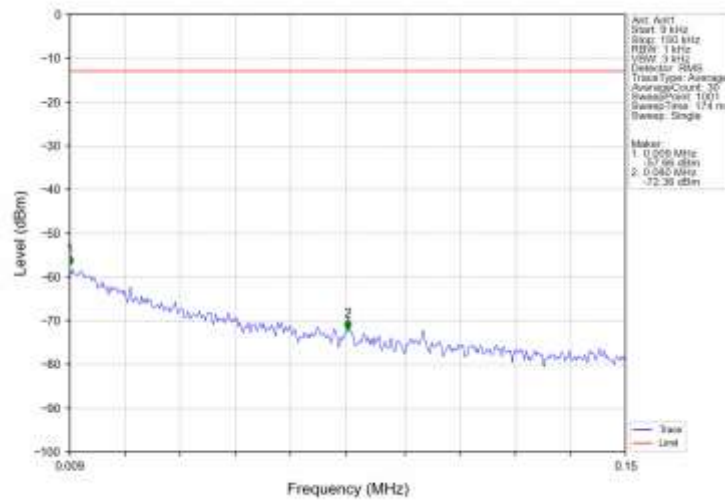


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

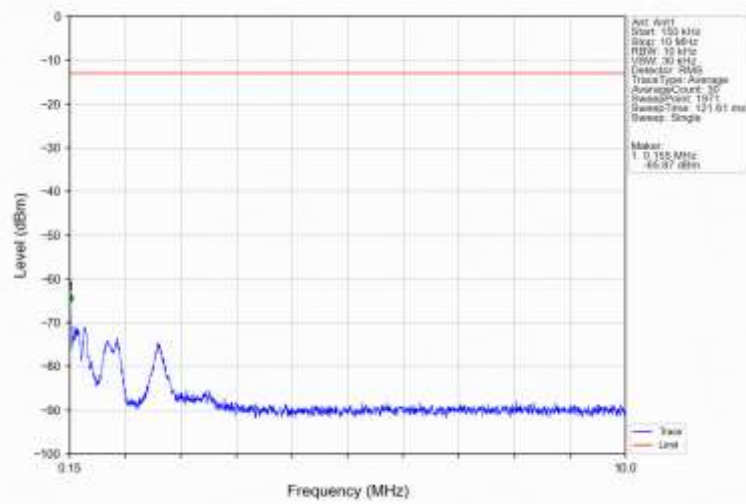


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
663	662.9	0.1	C4P	1	662.942	-31.83	-13	Pass
662.9	663	0.03	/	2	662.952	-34.84	-13	Pass
663	673	0.03	/	/	/	/	/	/

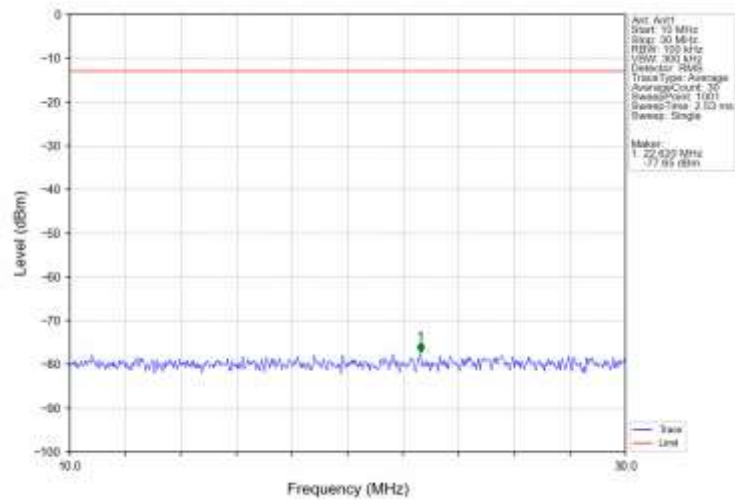
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



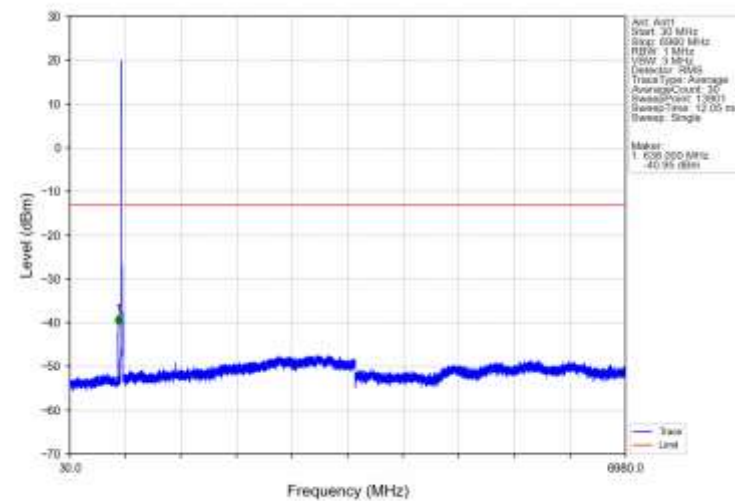
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



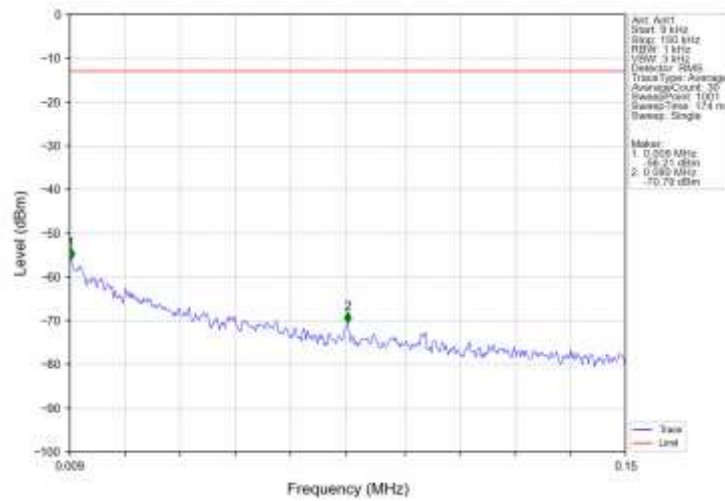
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



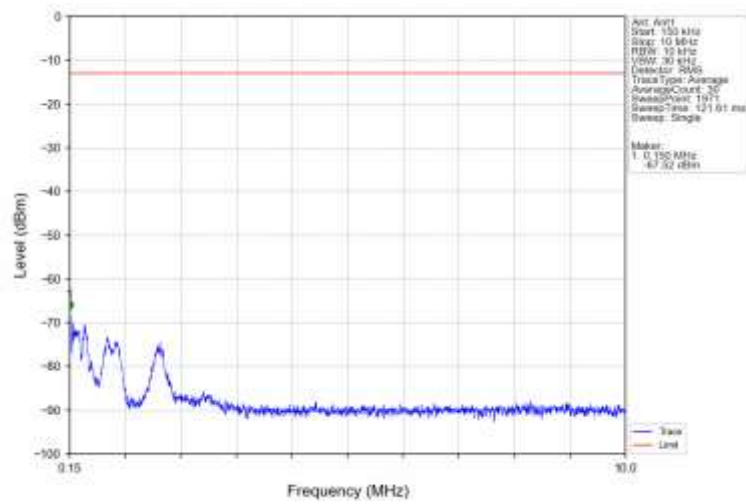
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



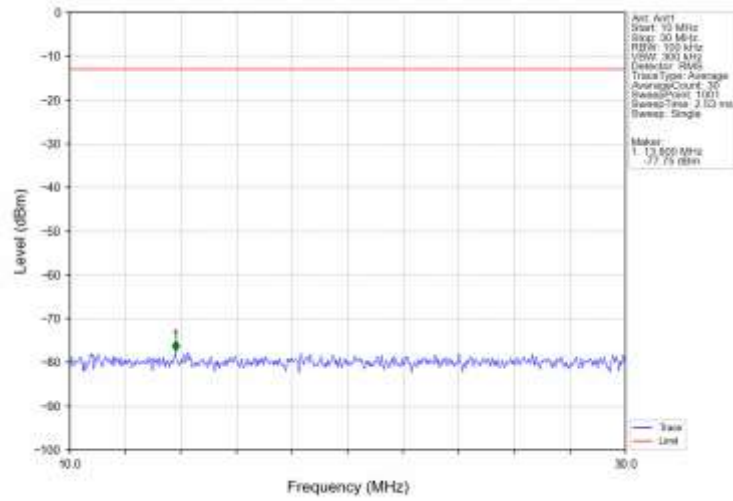
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



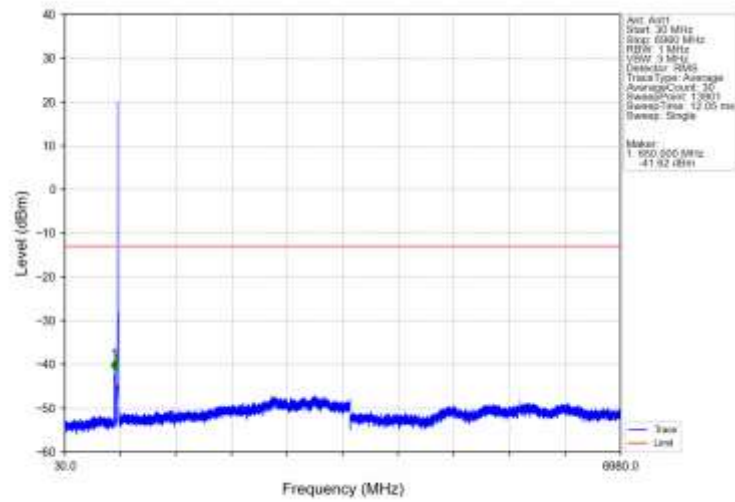
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



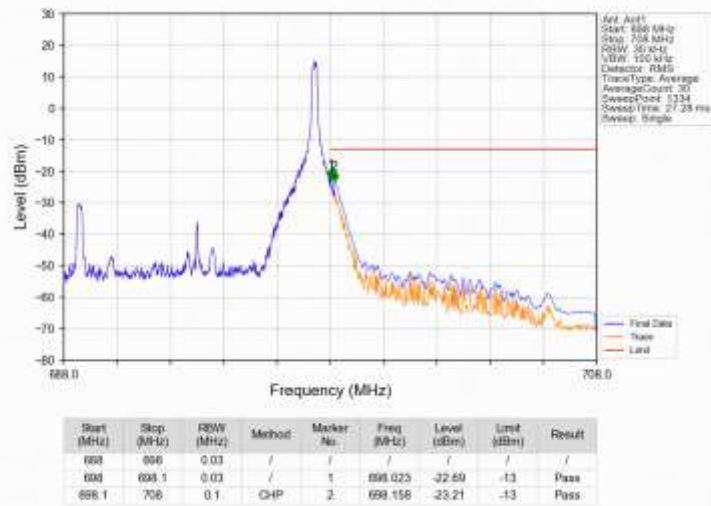
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



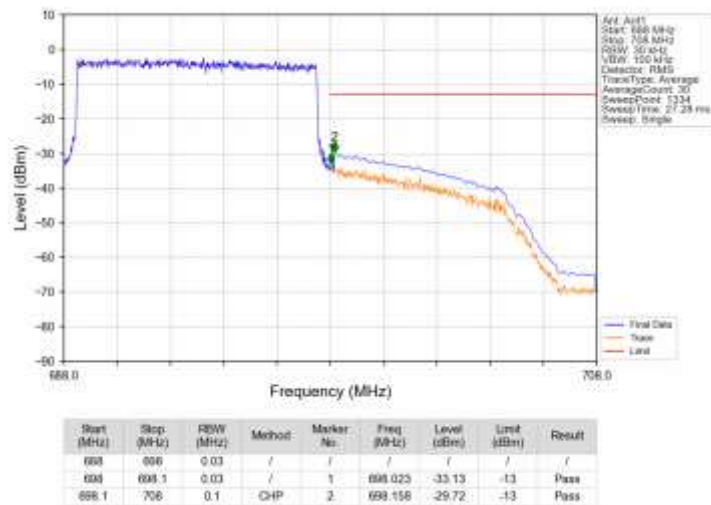
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



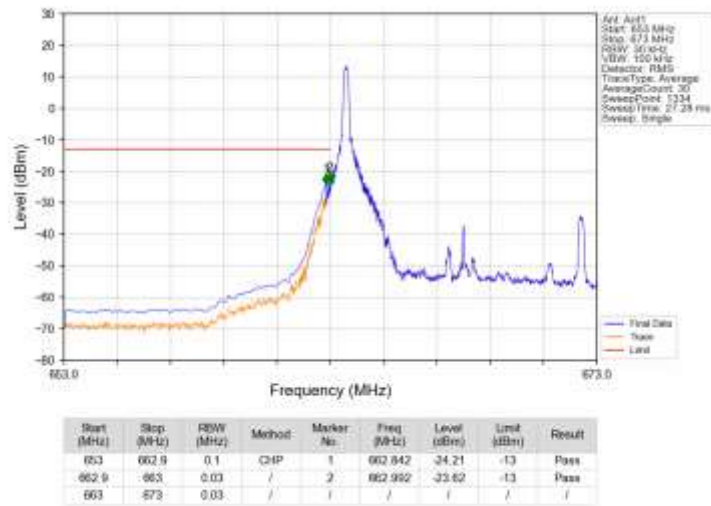
Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



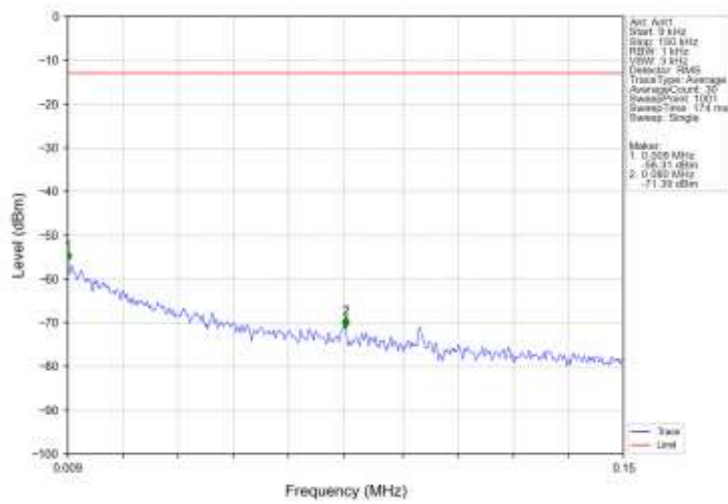
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



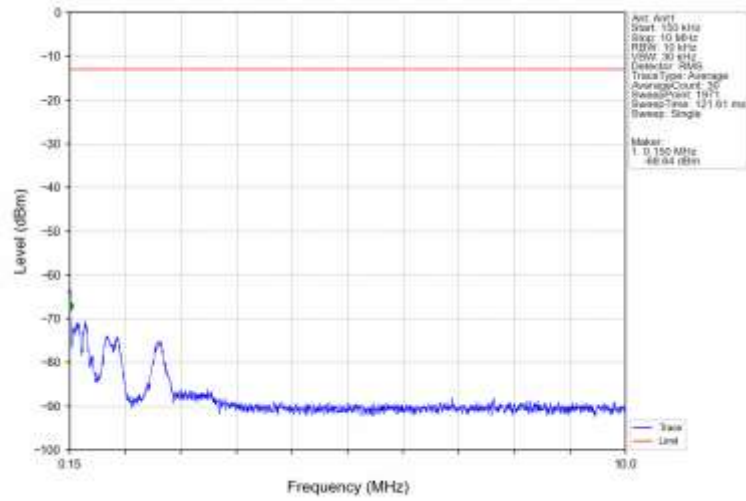
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



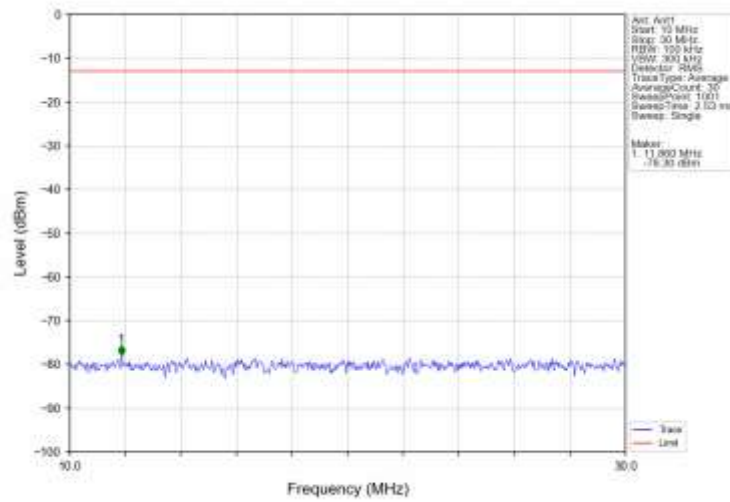
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



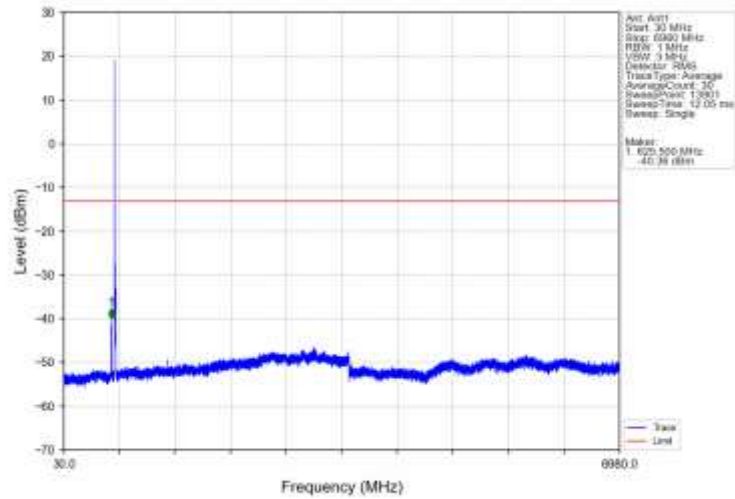
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



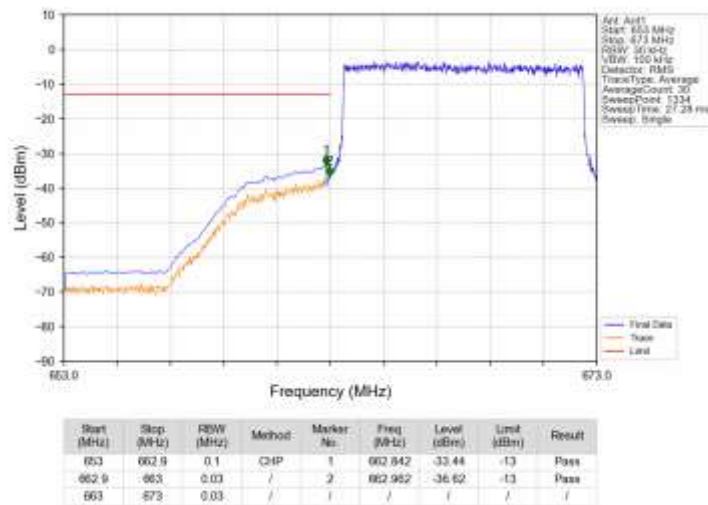
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



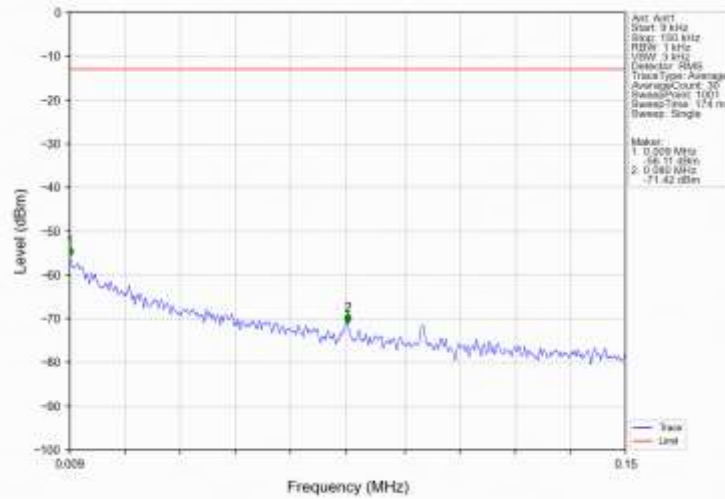
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



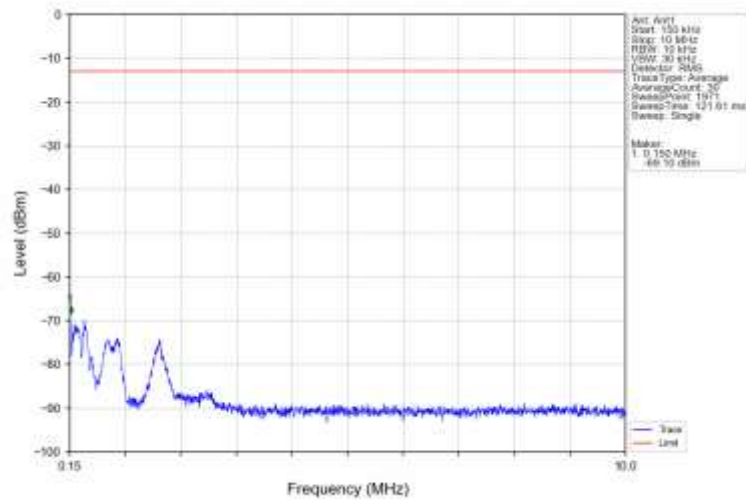
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



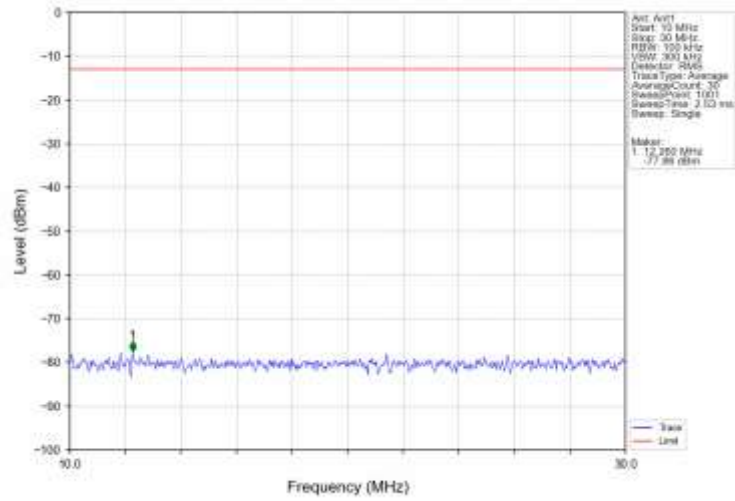
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



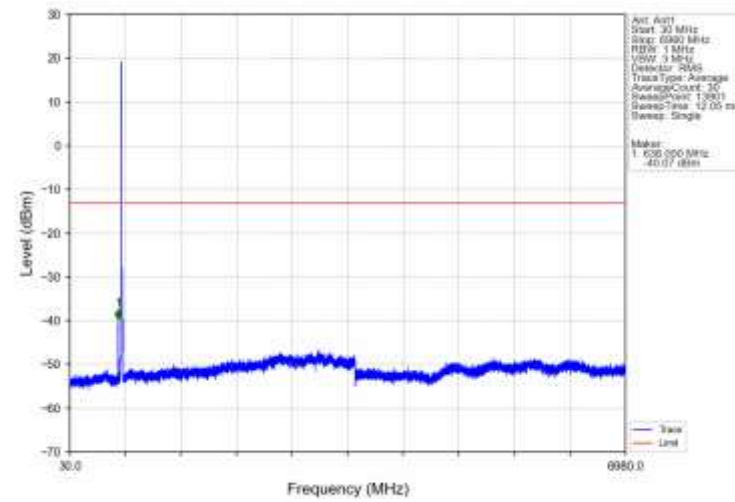
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



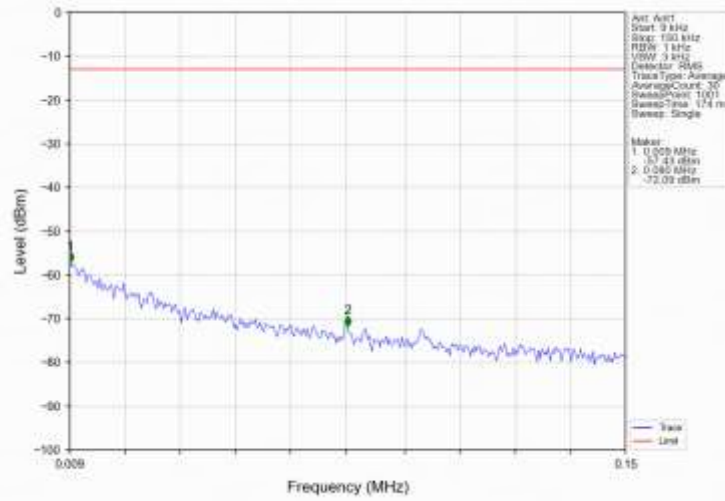
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



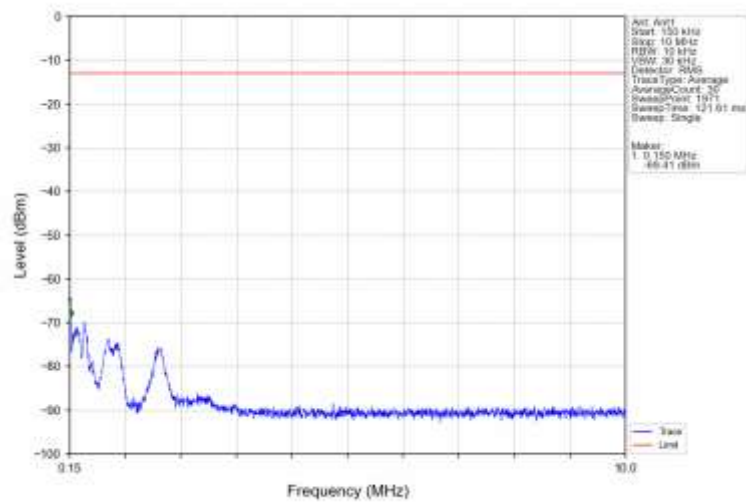
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



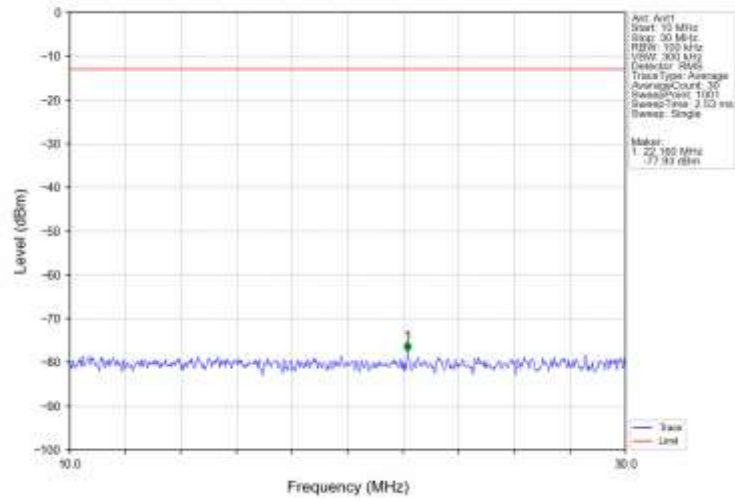
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



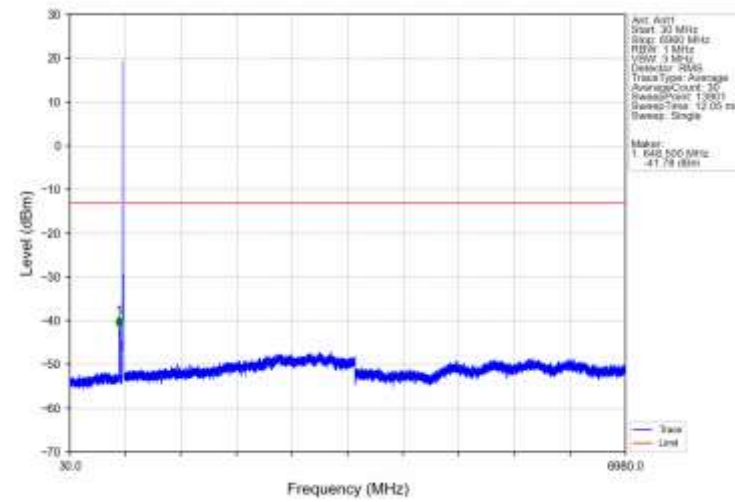
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



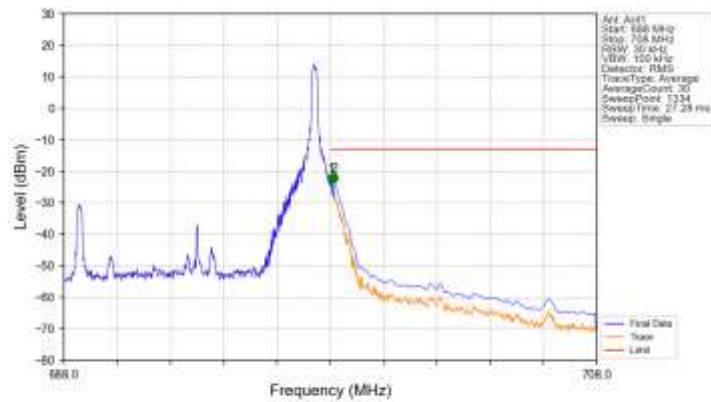
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTV



Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTV

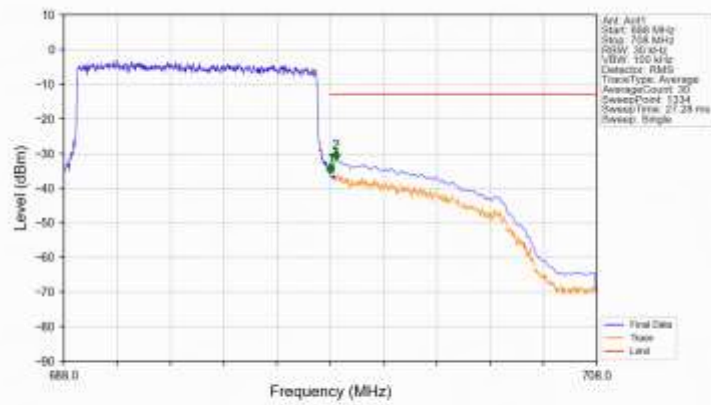


Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



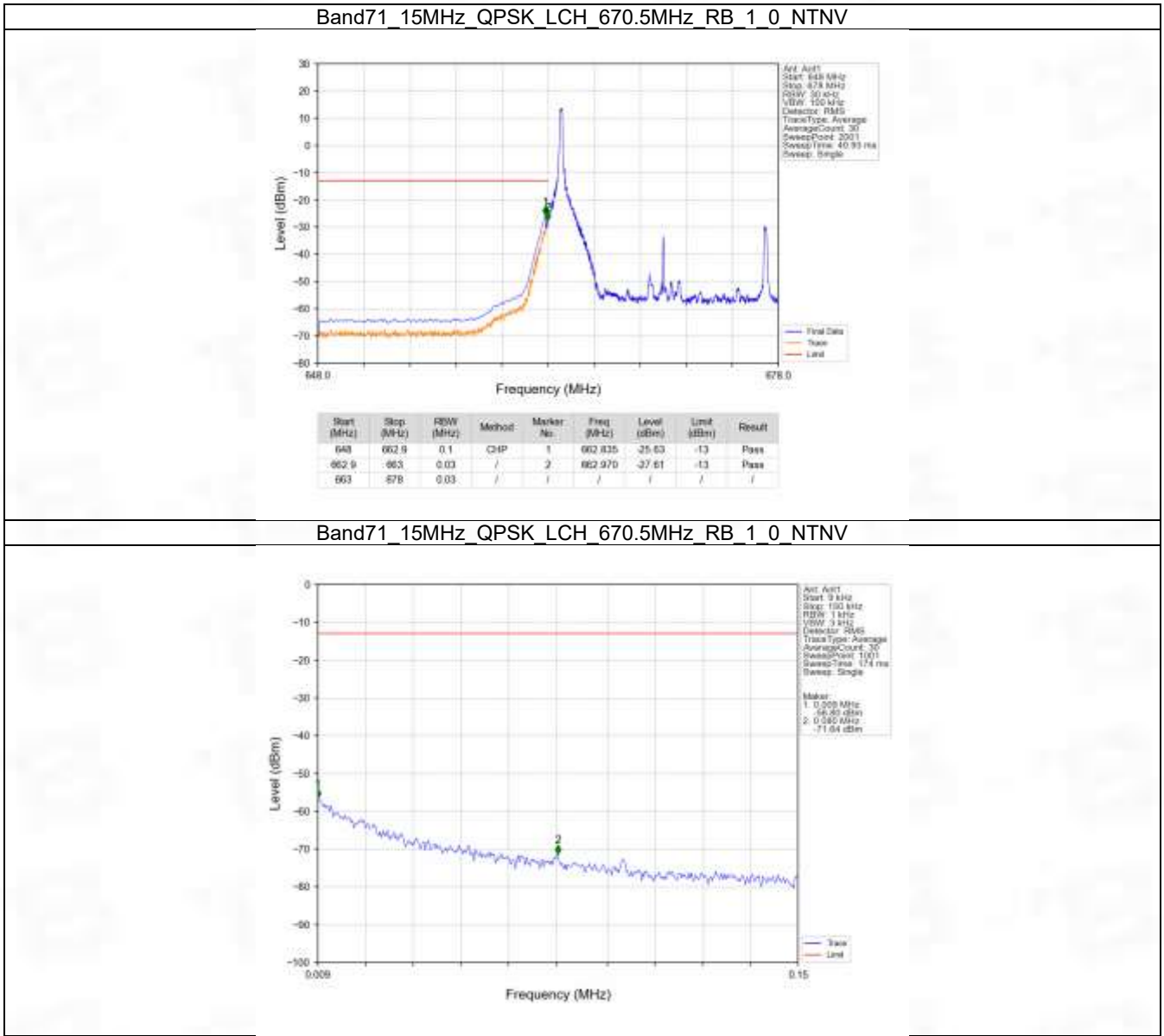
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	696	0.03	/	1	693.038	-23.88	-13	Pass
696.1	706	0.1	CHP	2	698.158	-23.86	-13	Pass

Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

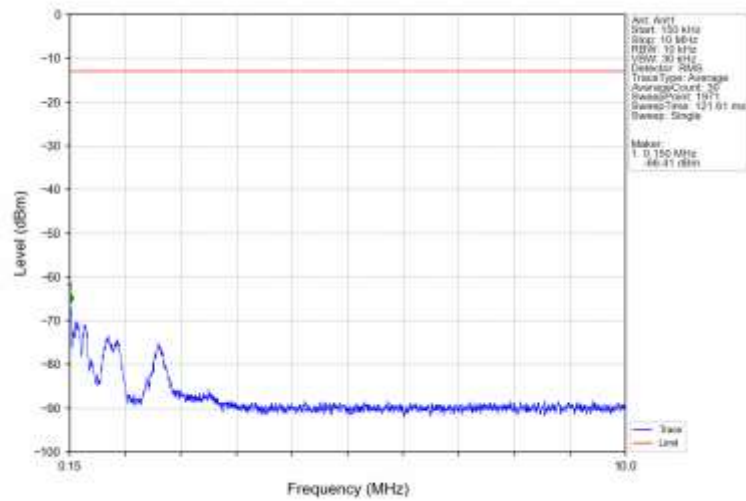


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	696	0.03	/	1	693.006	-35.88	-13	Pass
696.1	706	0.1	CHP	2	698.203	-32.10	-13	Pass

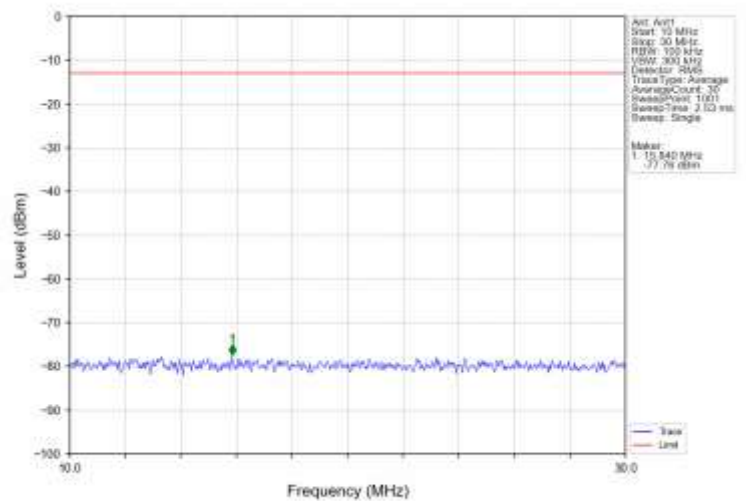
6.2.3 B71_15MHz



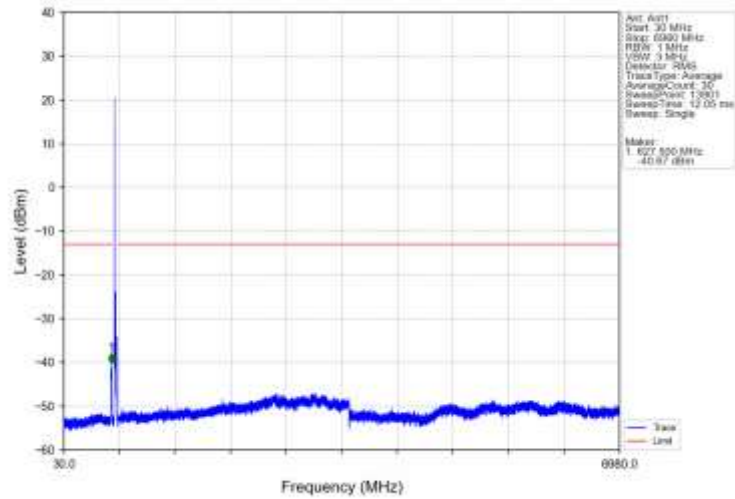
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



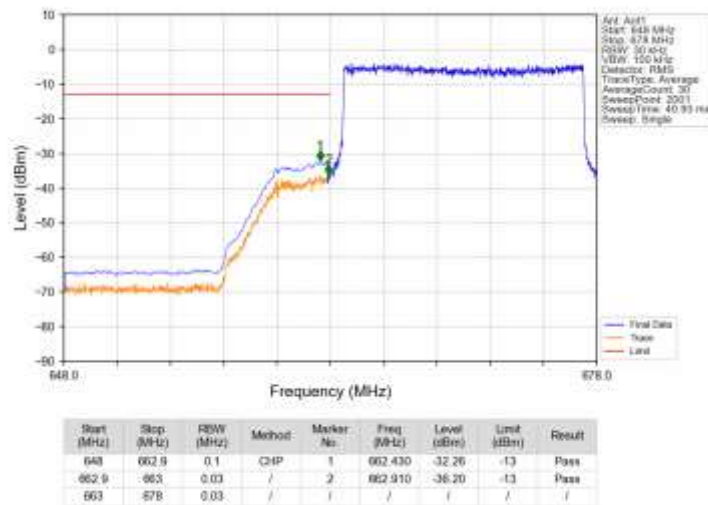
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



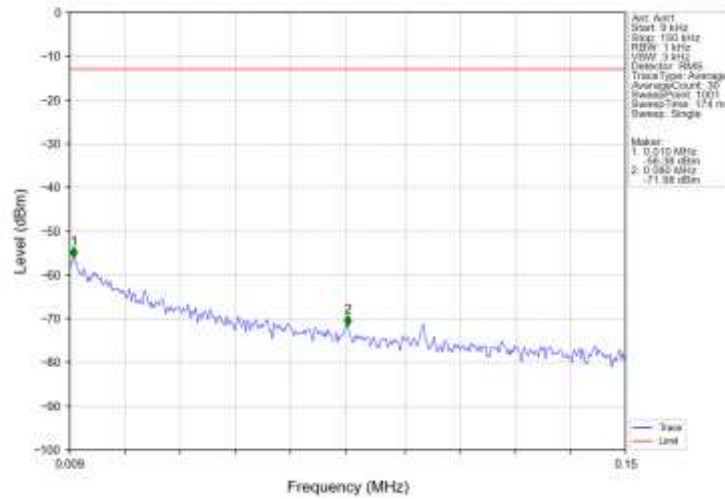
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTV



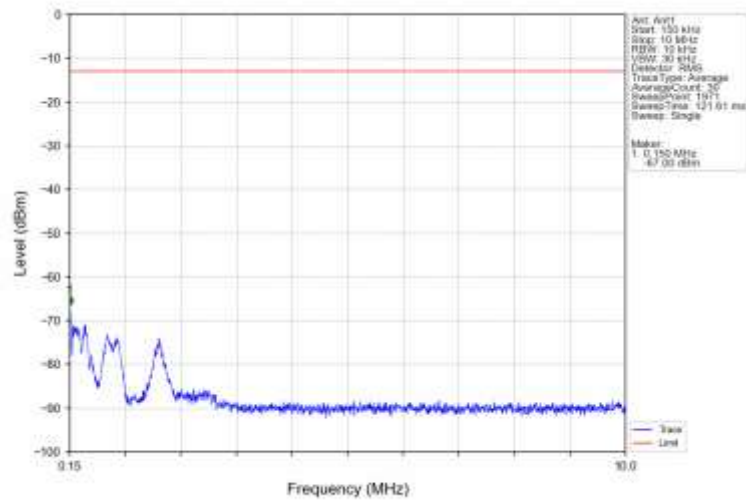
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



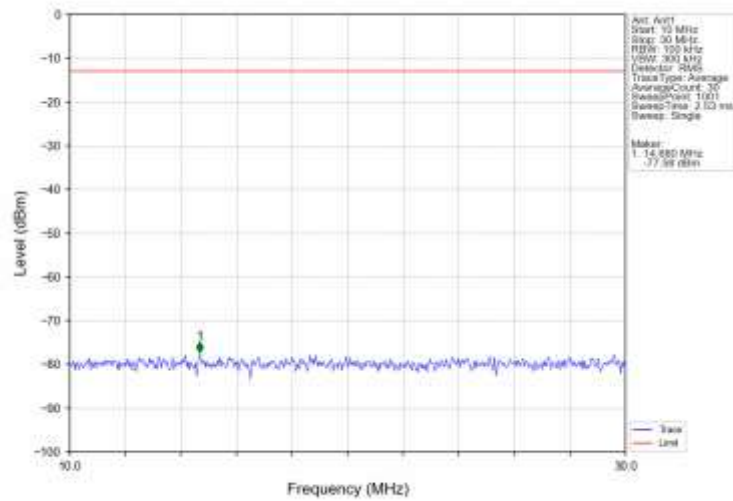
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



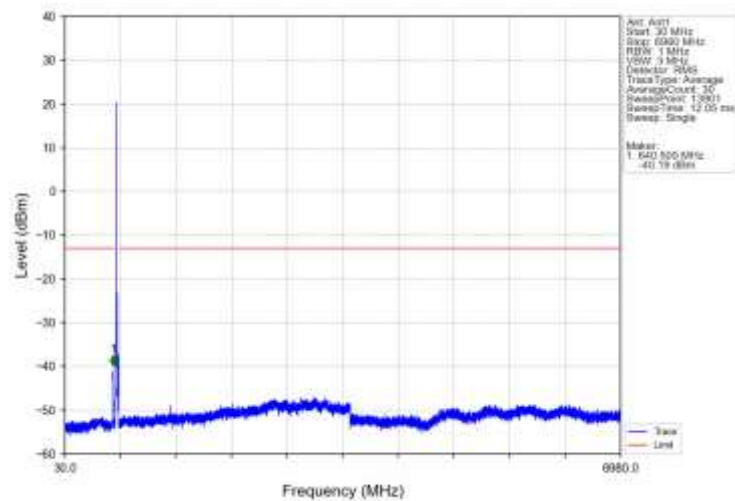
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



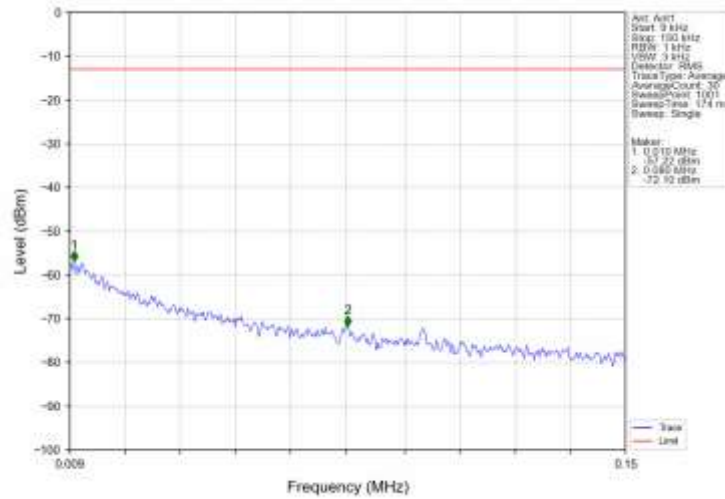
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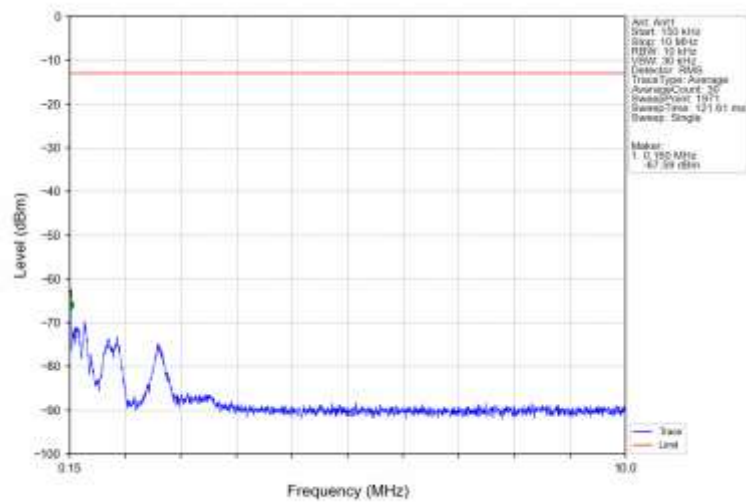
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



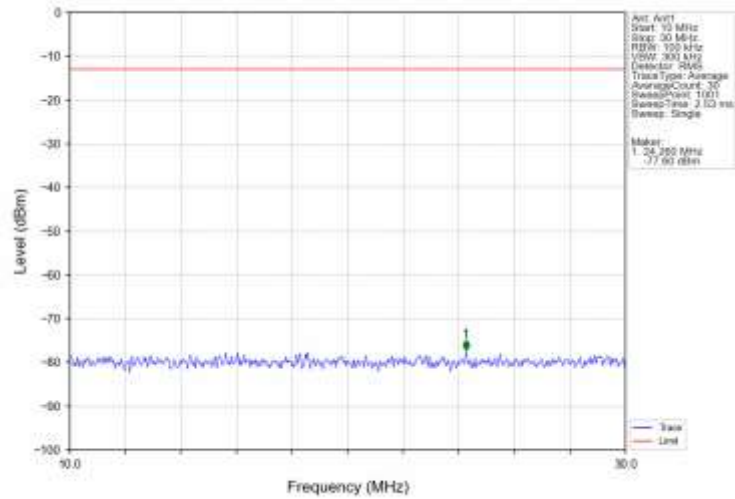
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



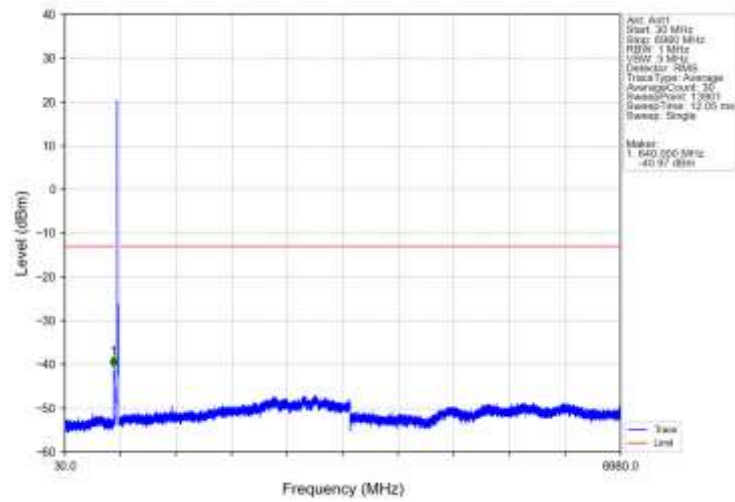
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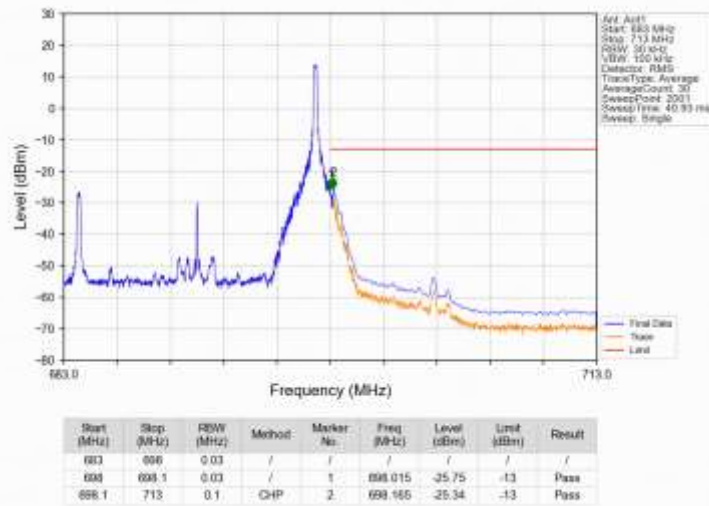
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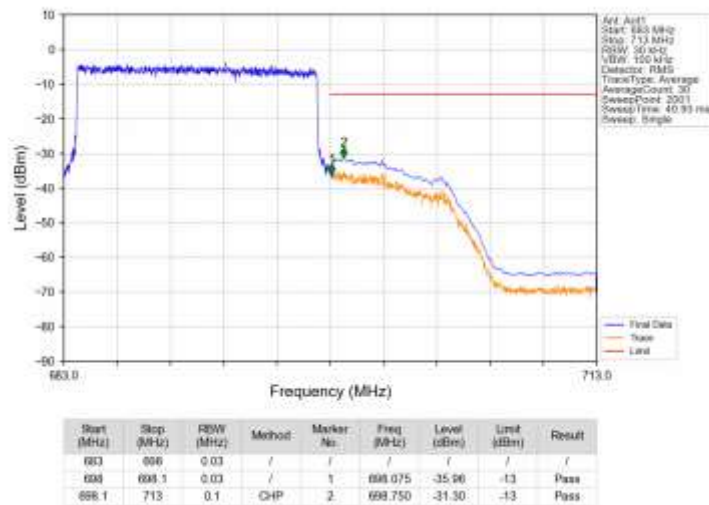
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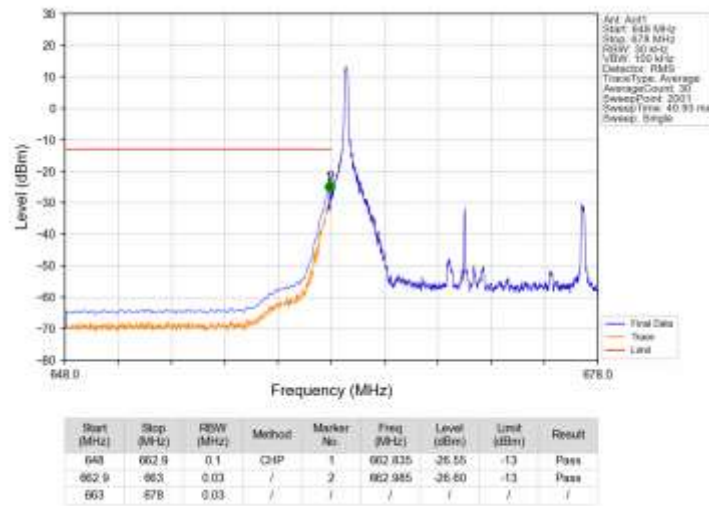
Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



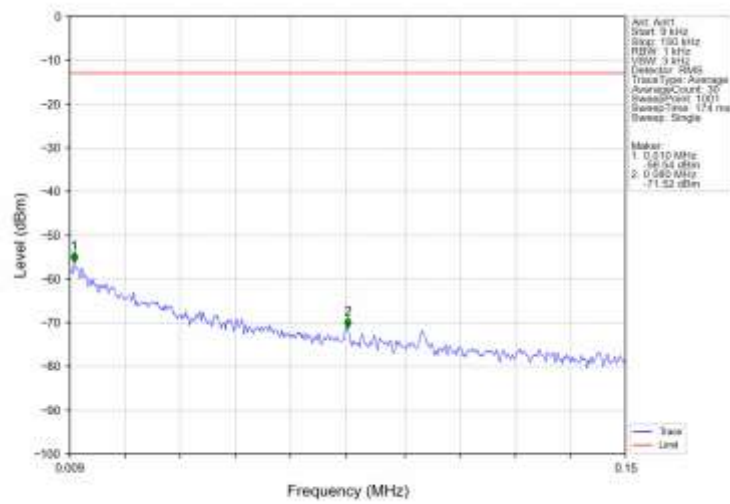
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



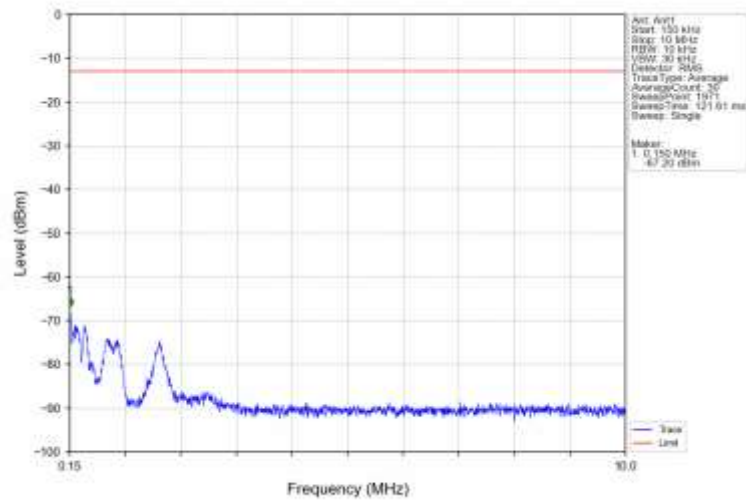
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



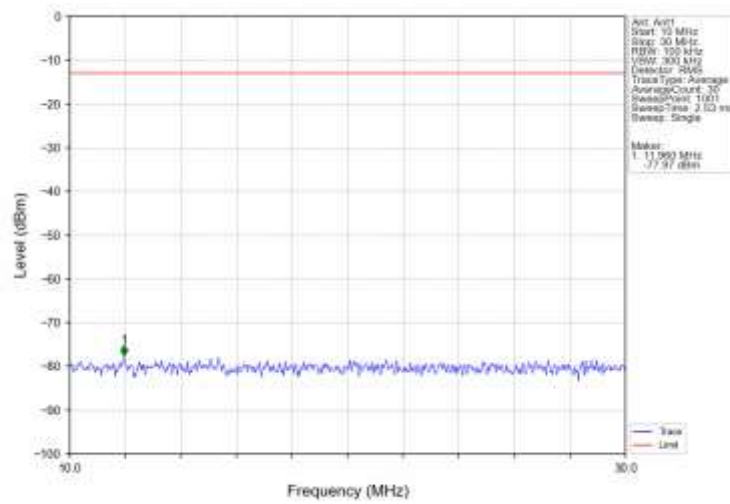
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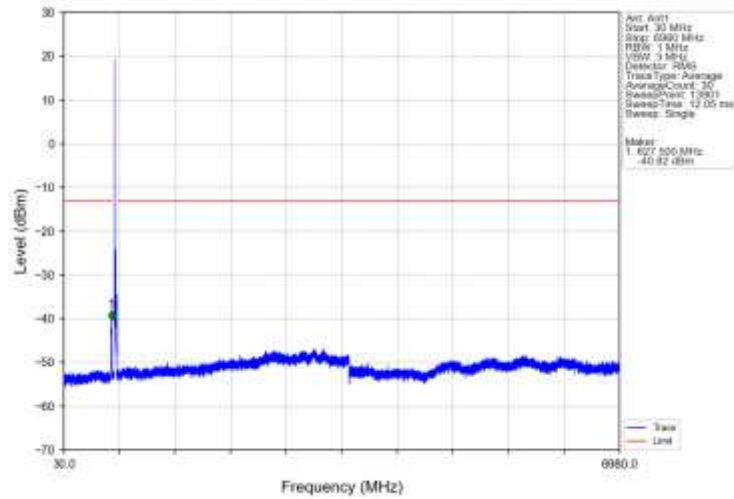
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



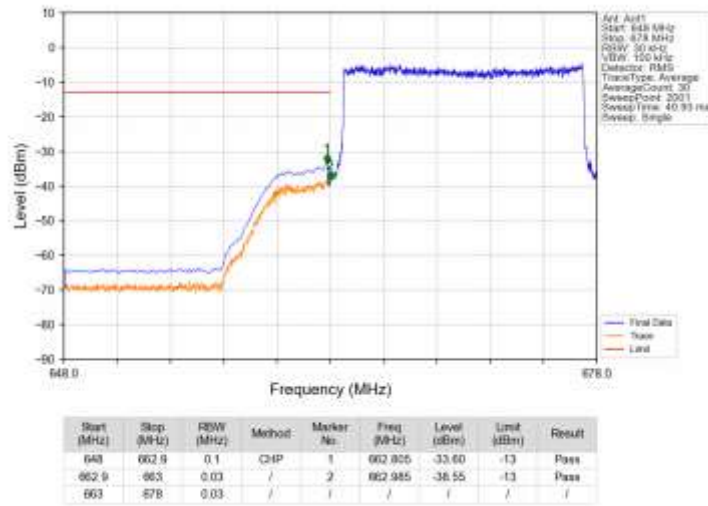
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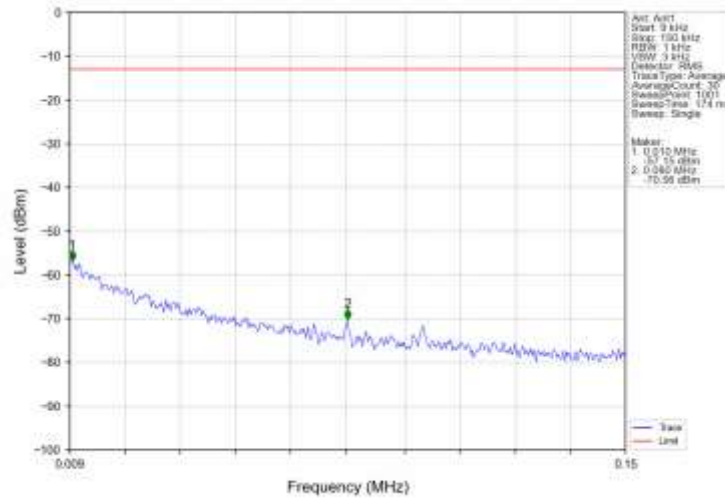
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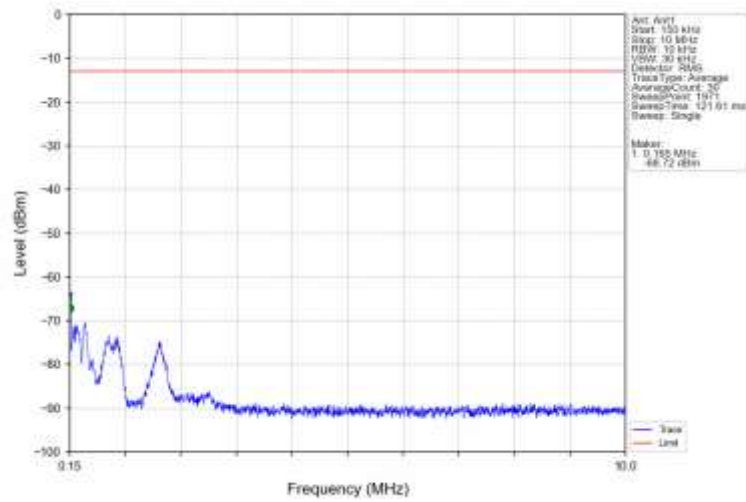
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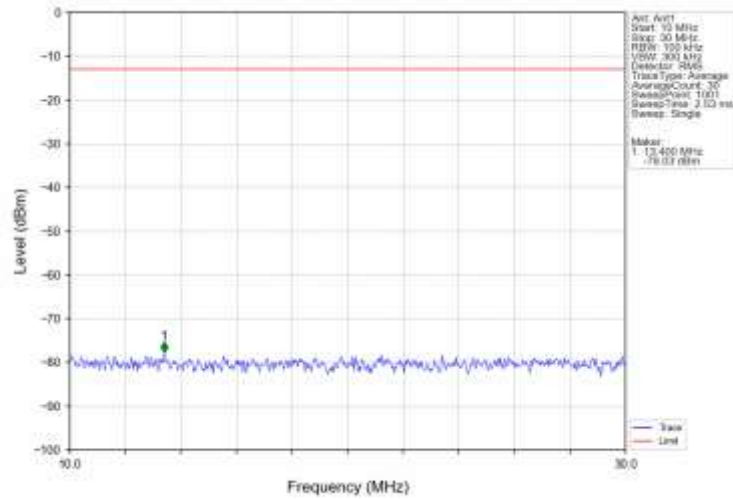
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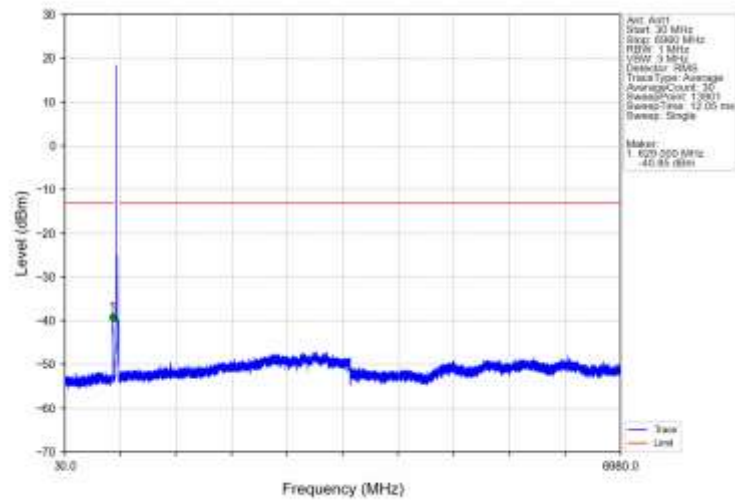
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



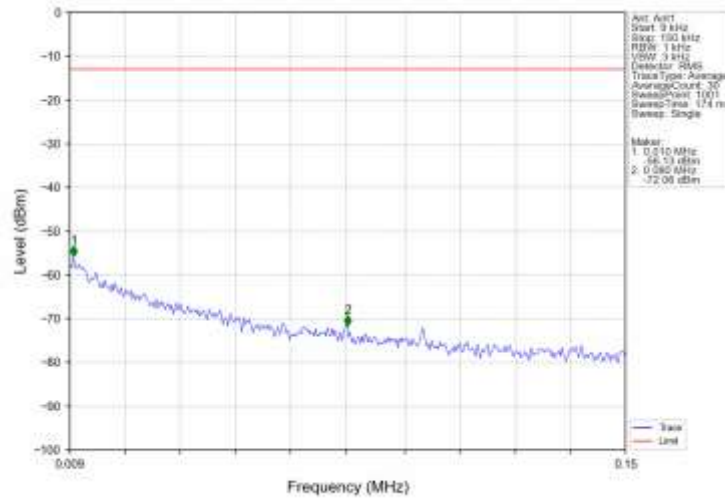
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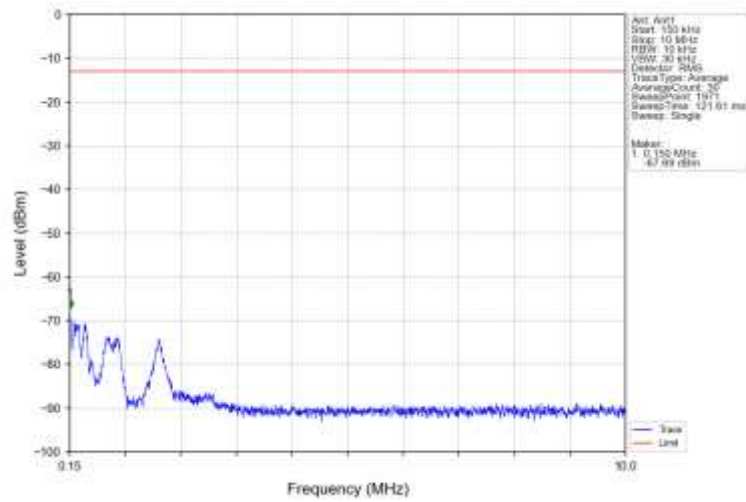
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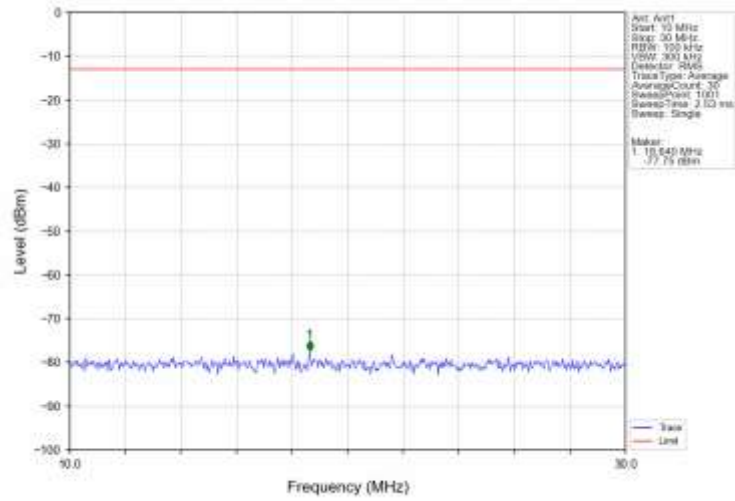
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



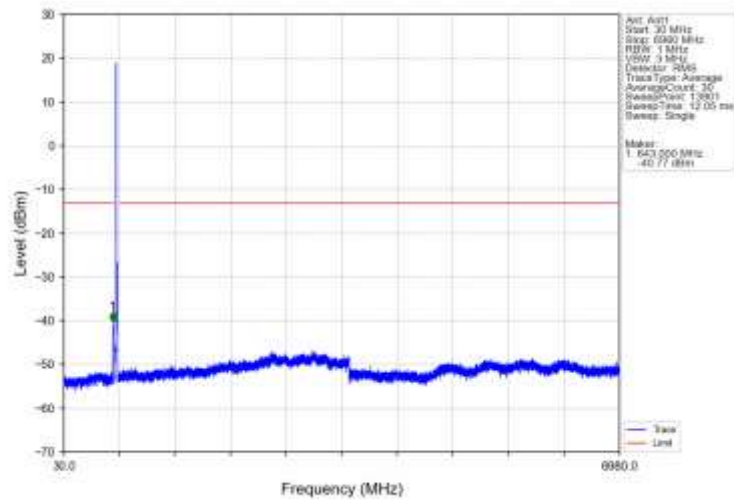
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



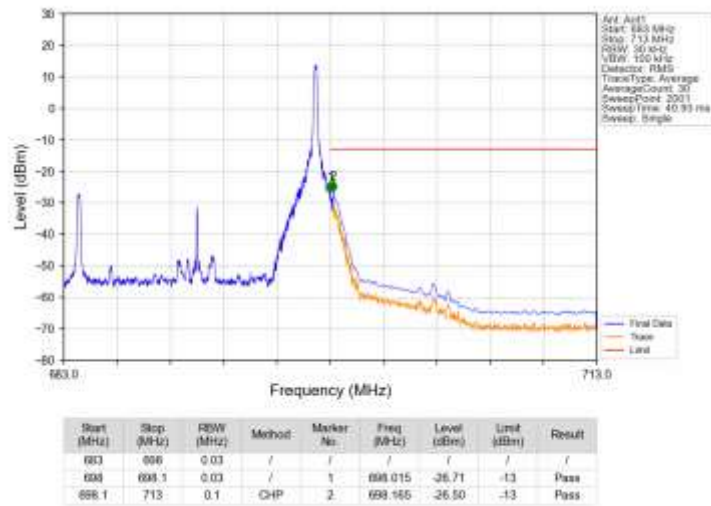
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



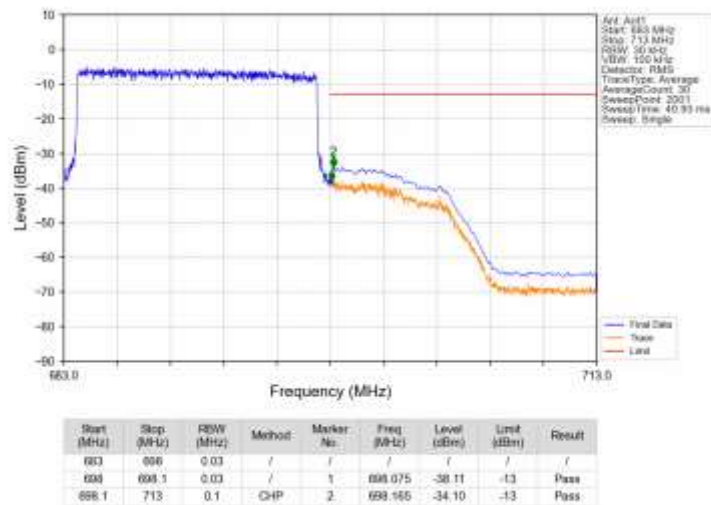
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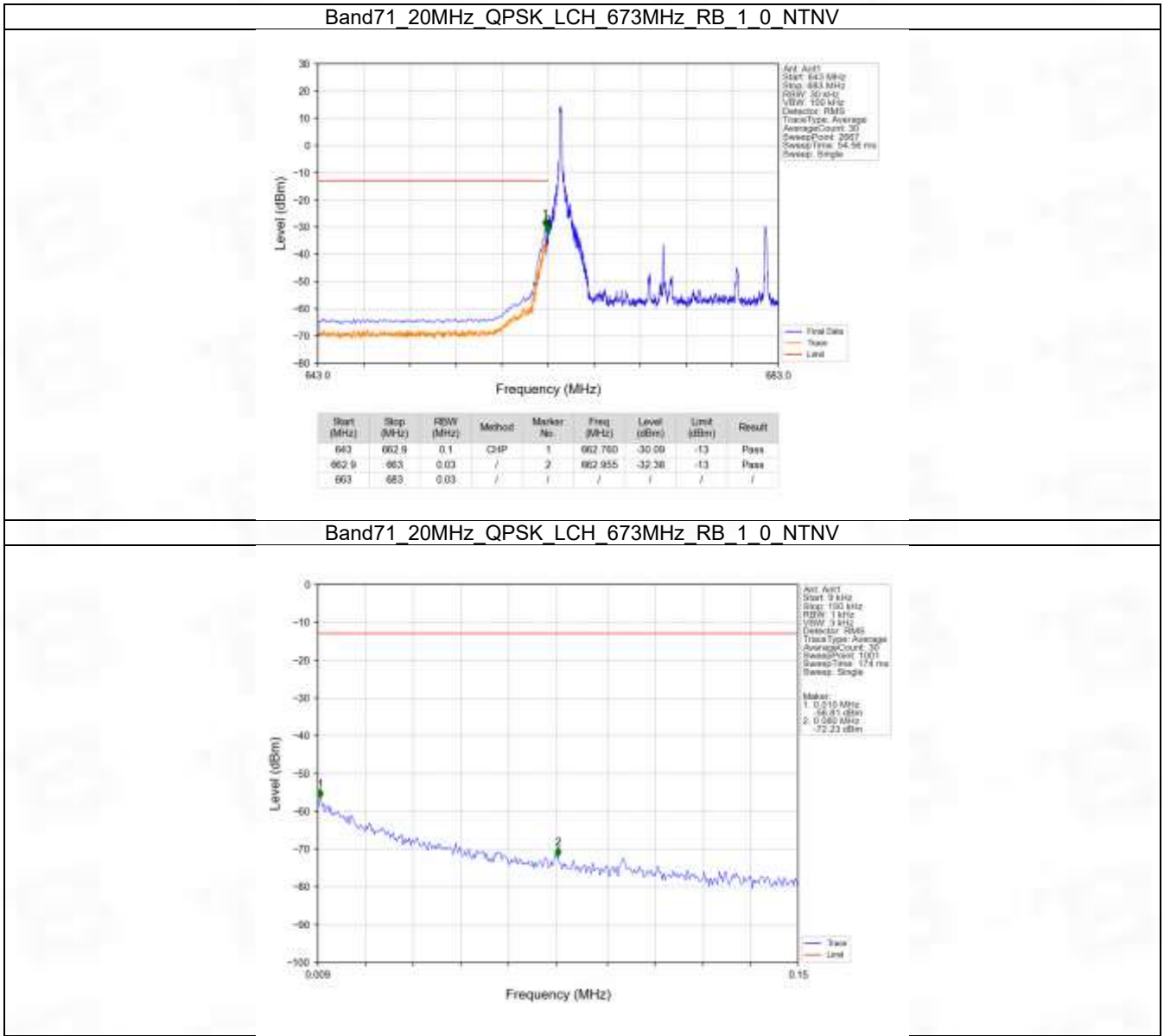
Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTNV



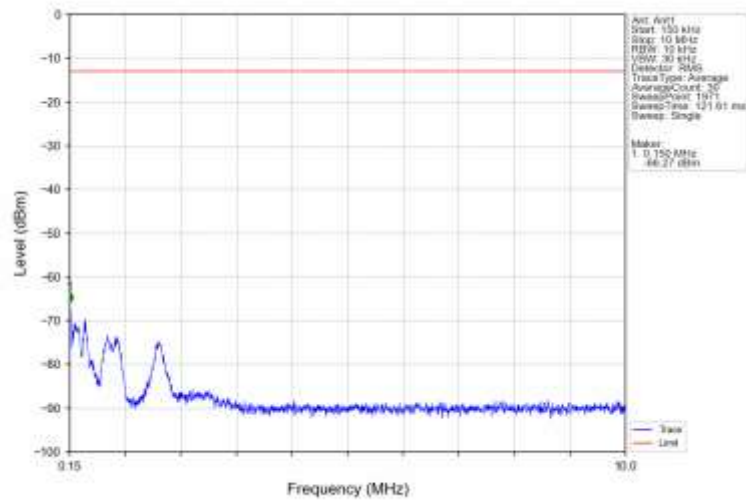
Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTNV



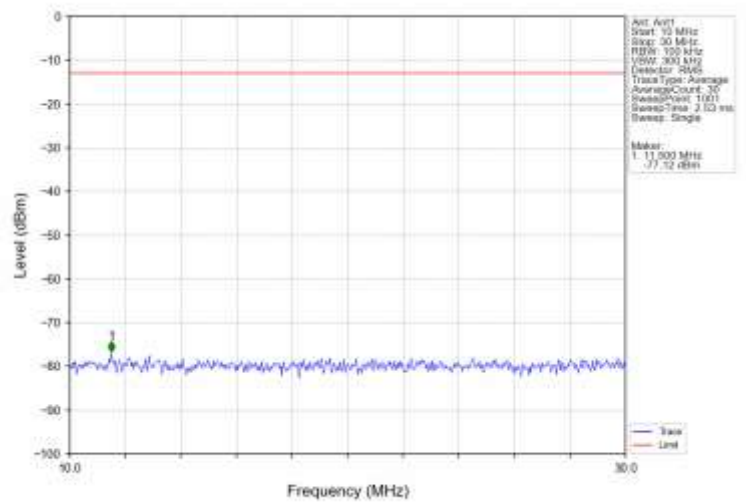
6.2.4 B71_20MHz



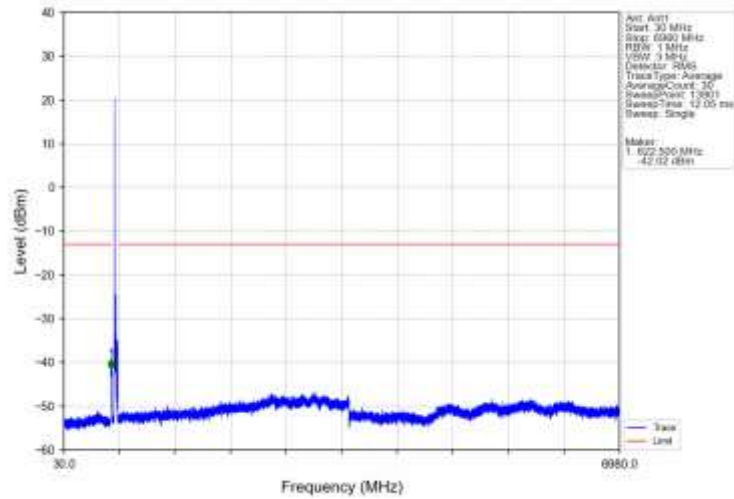
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



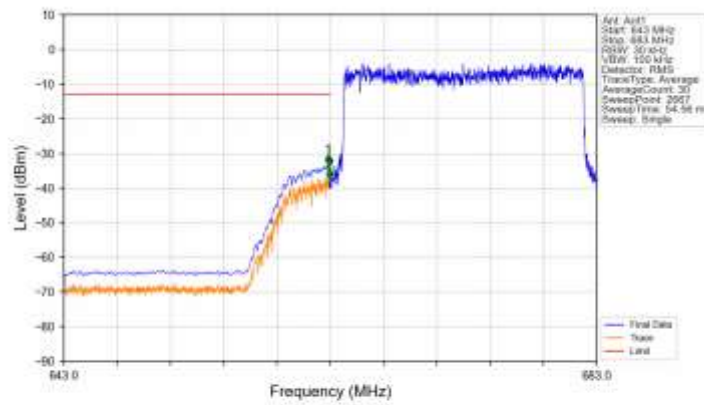
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

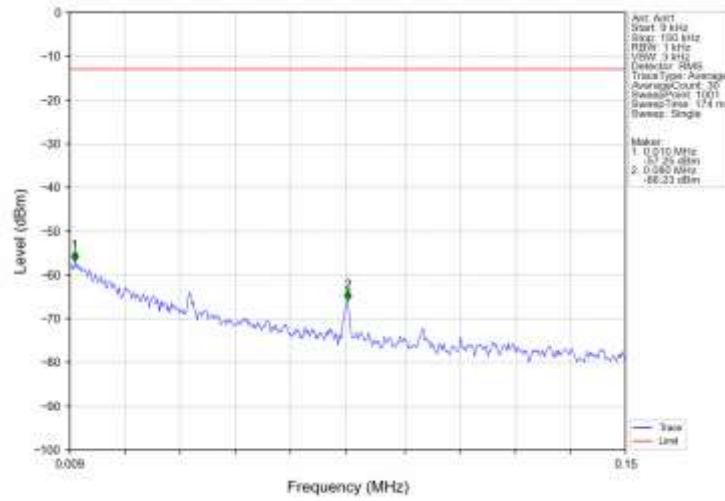


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

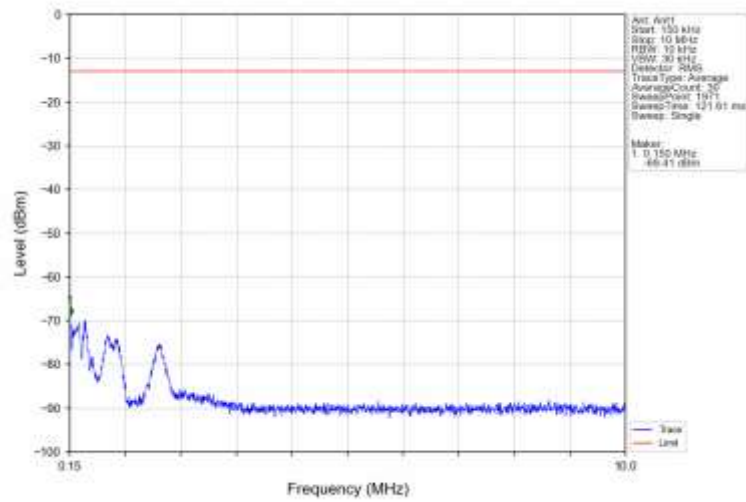


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	C4P	1	662.850	-33.38	-13	Pass
662.9	663	0.03	/	2	662.970	-37.52	-13	Pass
663	663	0.03	/	/	/	/	/	/

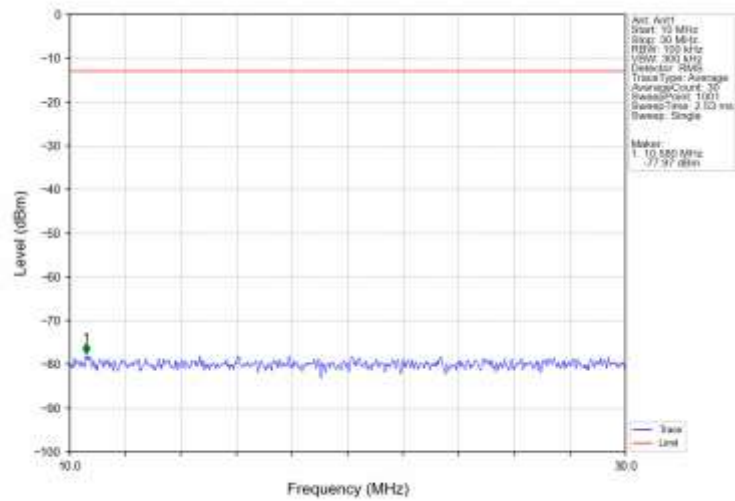
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



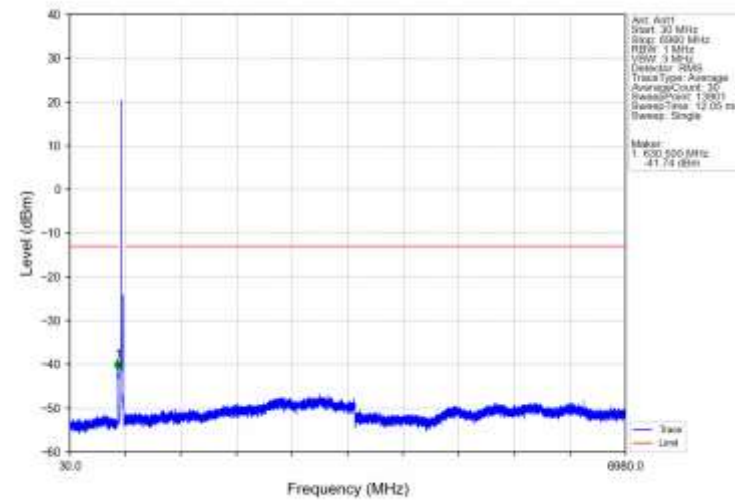
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



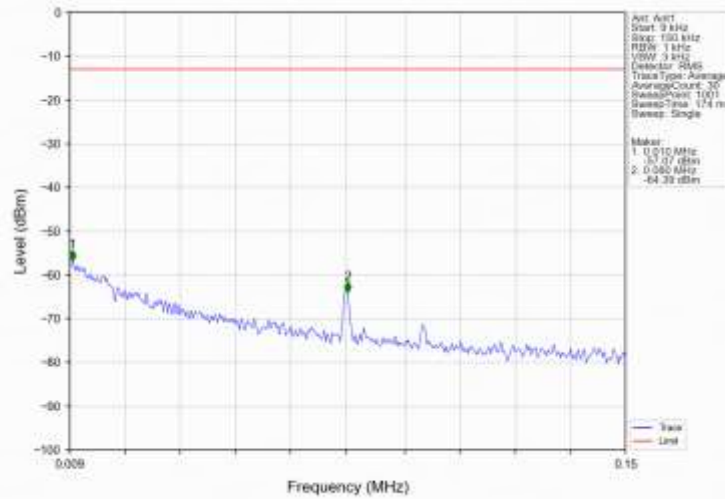
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



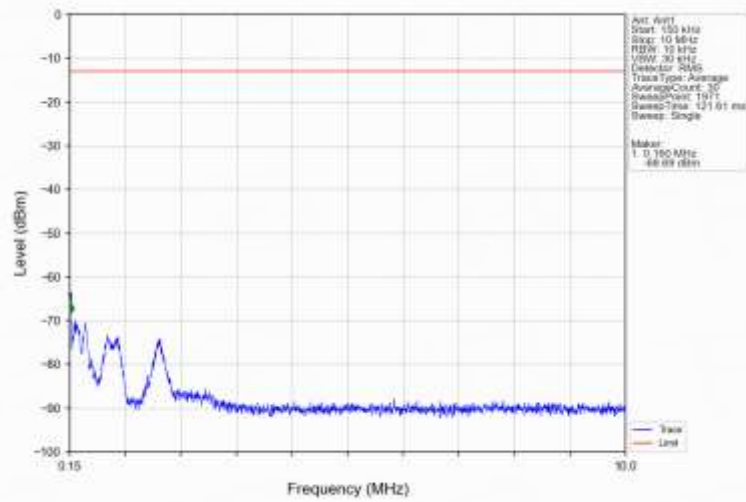
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



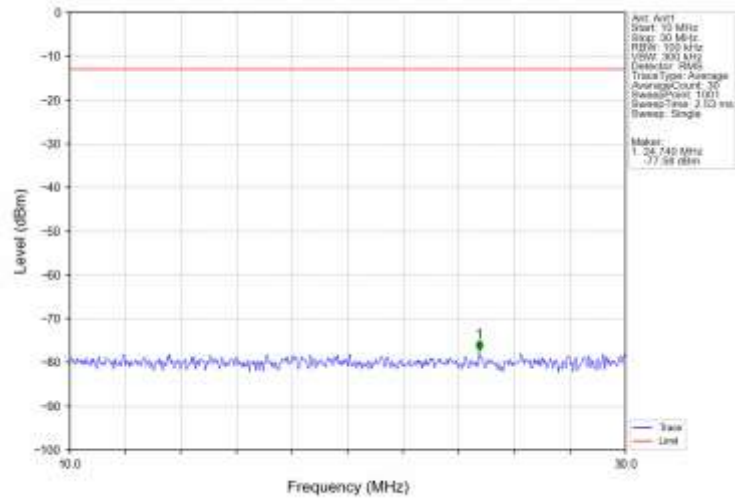
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



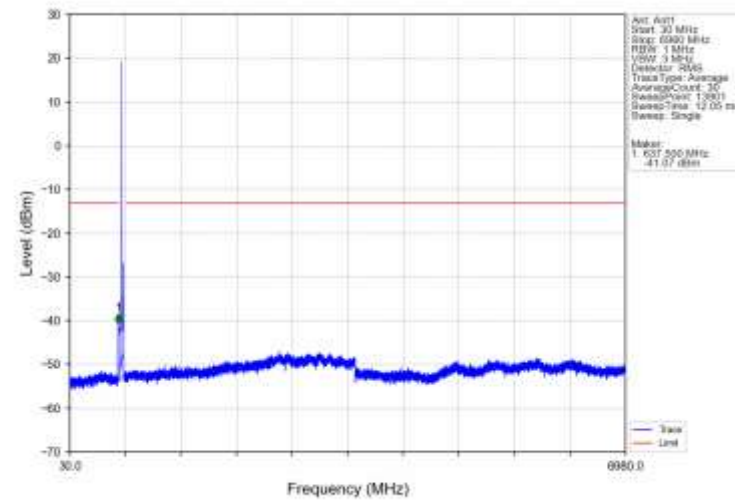
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



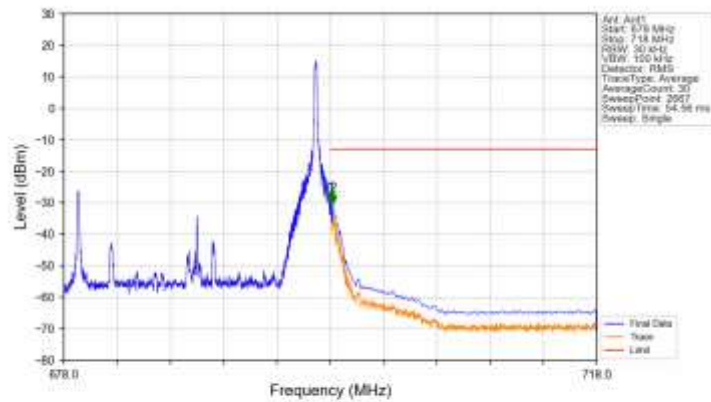
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

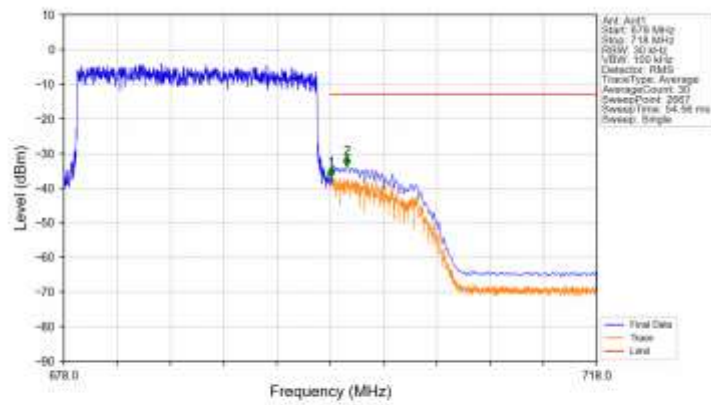


Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV



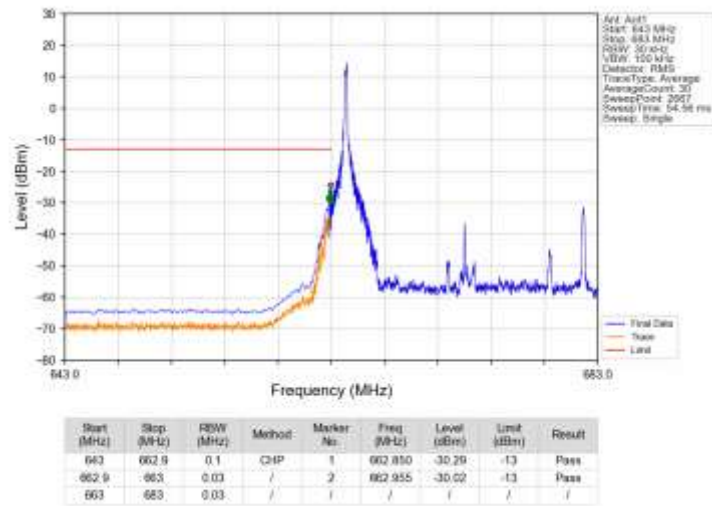
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	696	0.03	/	1	688.015	-39.78	-13	Pass
696	718	0.1	CHP	2	698.210	-30.03	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV

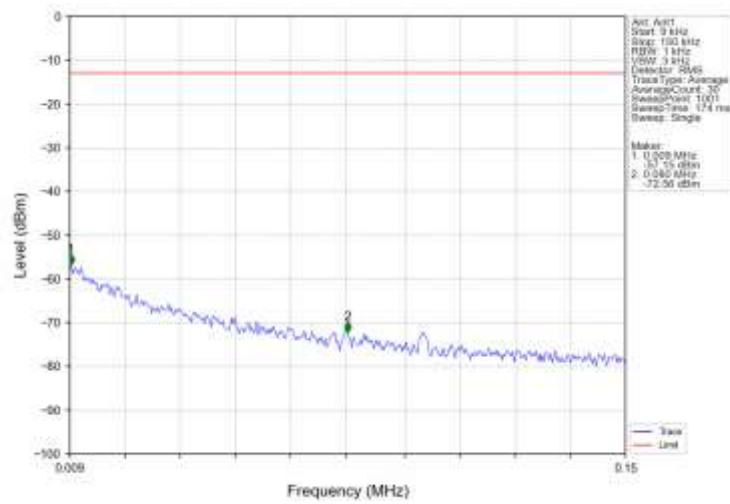


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	696	0.03	/	1	688.080	-36.88	-13	Pass
696	718	0.1	CHP	2	699.230	-33.60	-13	Pass

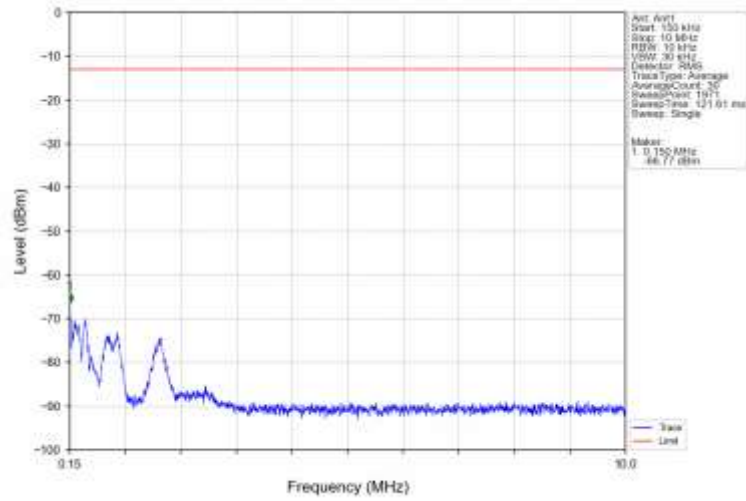
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



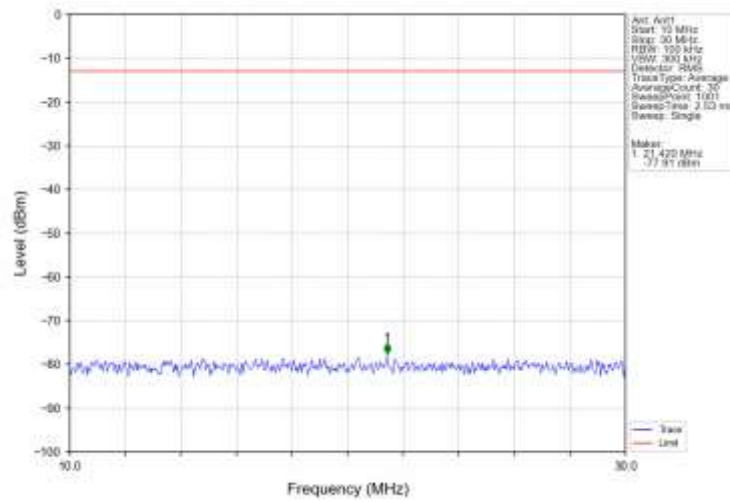
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



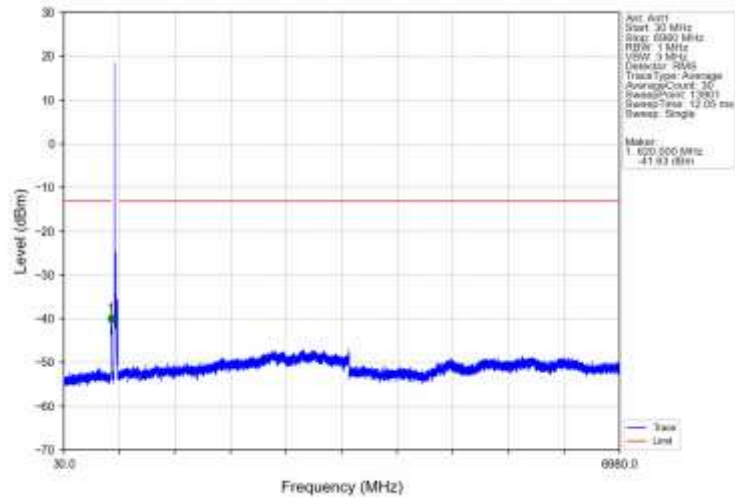
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



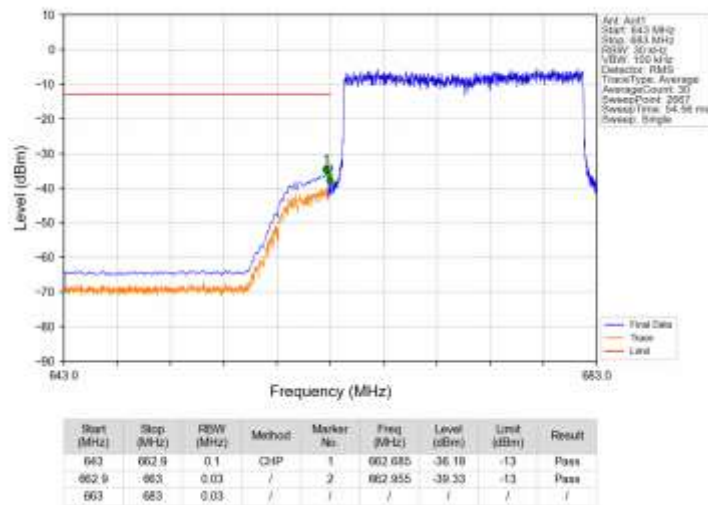
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



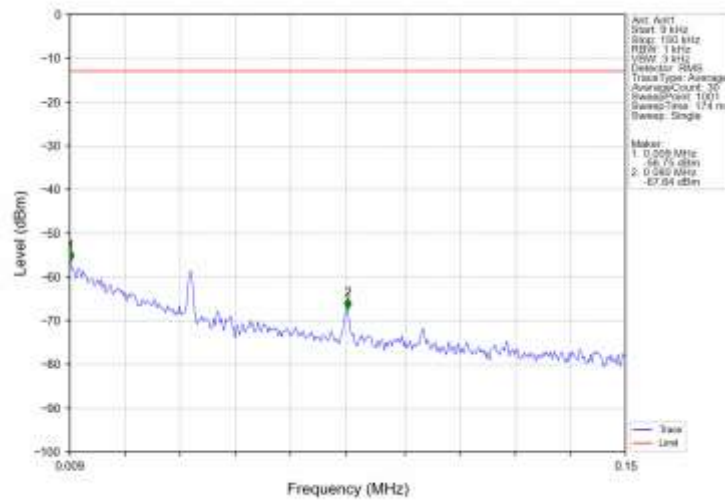
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



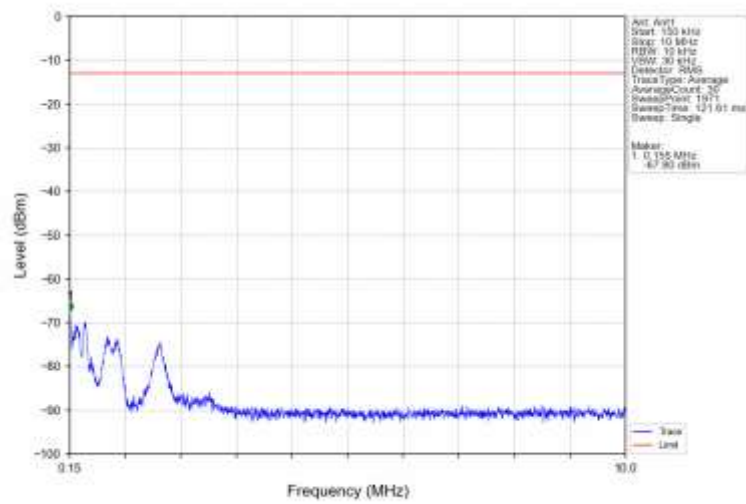
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



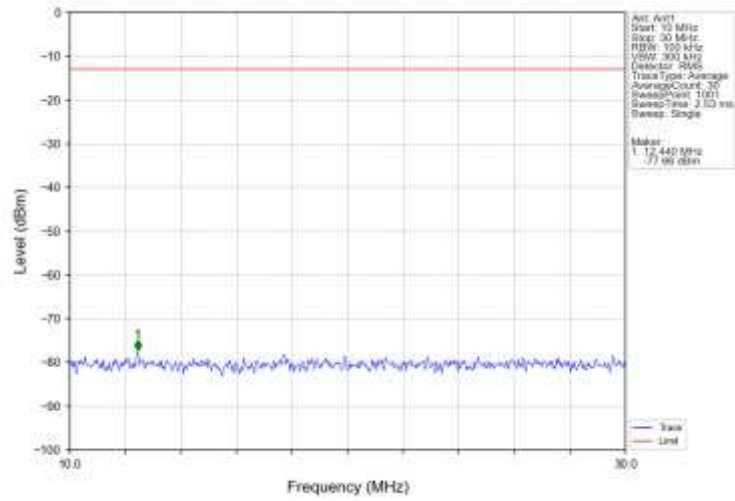
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



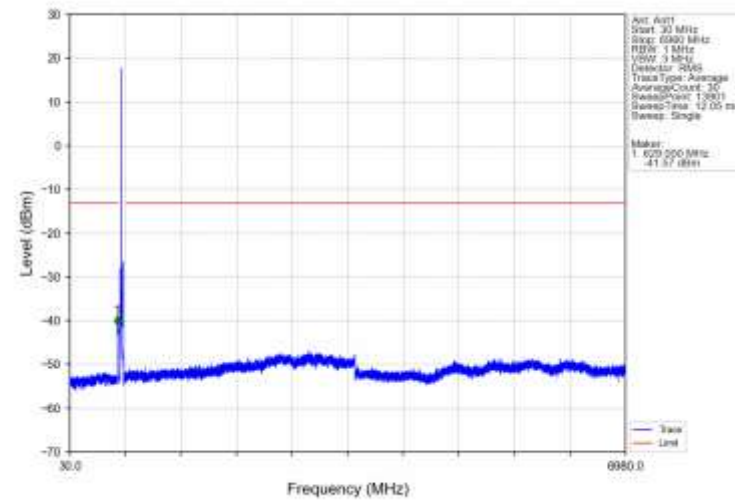
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



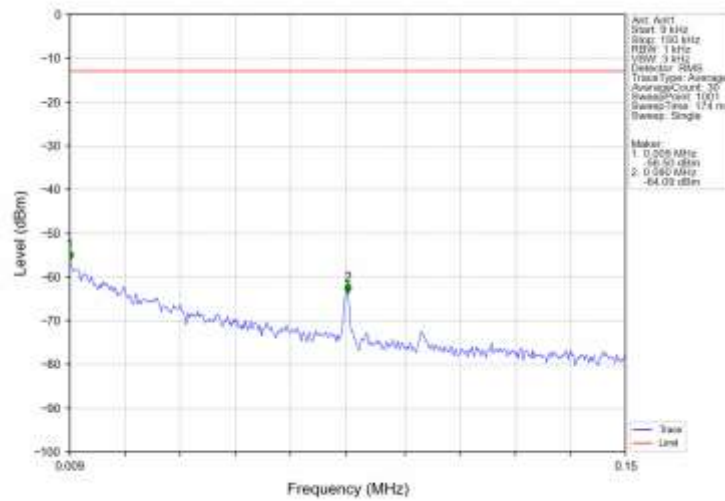
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



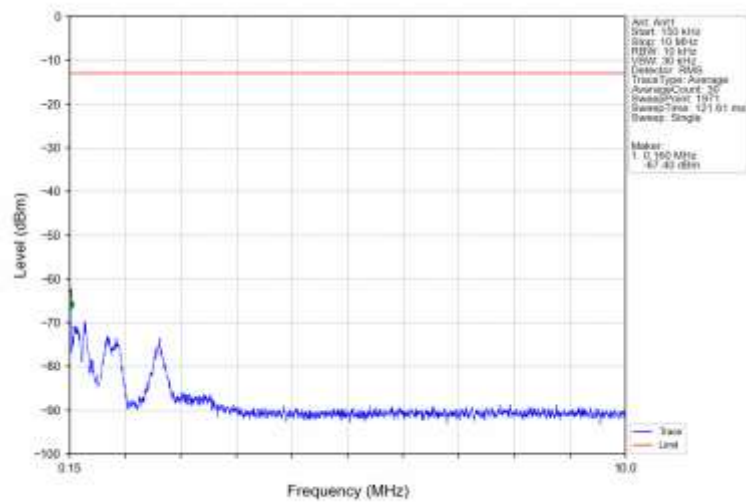
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



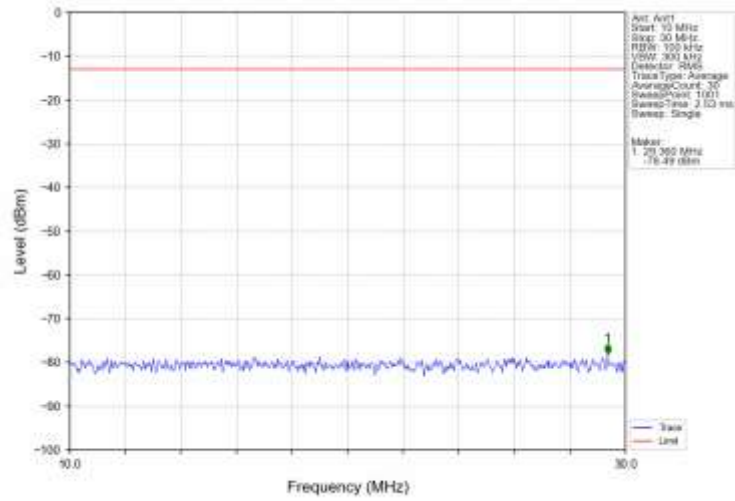
Band71 20MHz 16QAM HCH 688MHz RB 1 0 NTNV



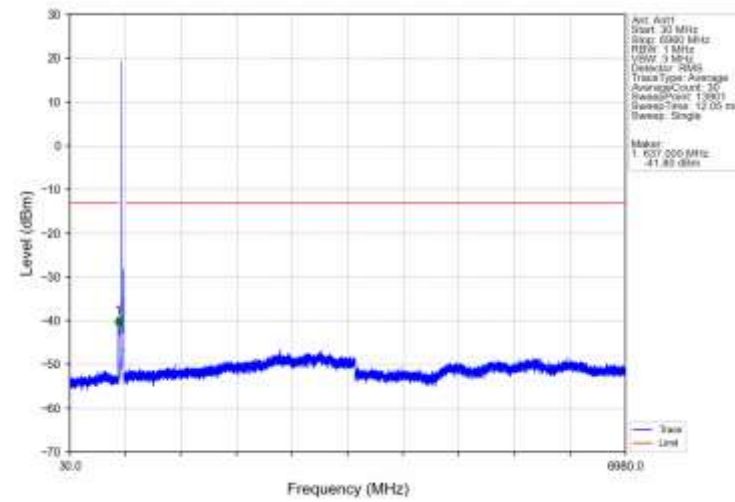
Band71 20MHz 16QAM HCH 688MHz RB 1 0 NTNV



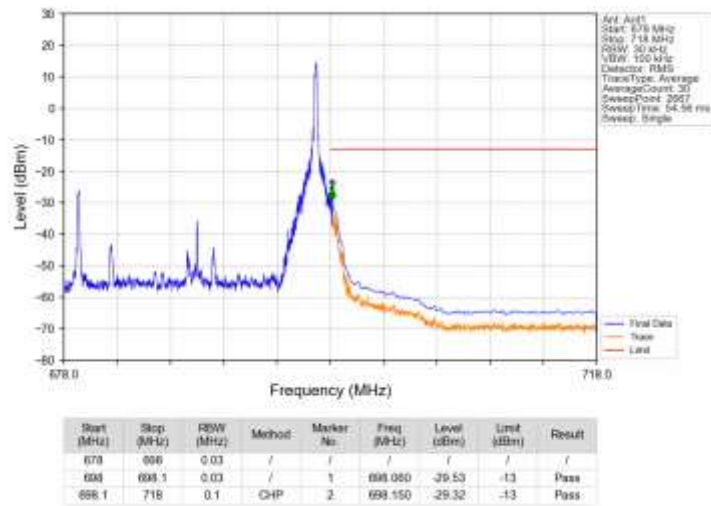
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



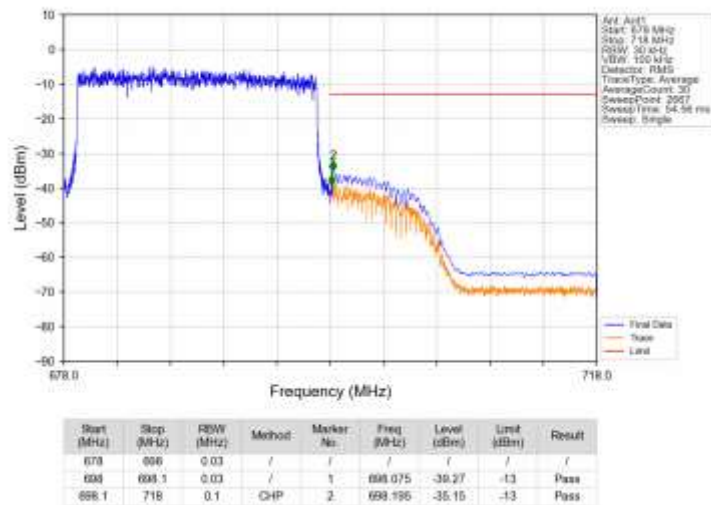
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.1888	0.0166	ppm	4M58G7D	27N	22.76
71	5	665.5	695.5	0.1445	0.0170	ppm	4M60W7D	27N	21.60
71	10	668	693	0.1858	0.0158	ppm	9M11G7D	27N	22.69
71	10	668	693	0.1607	0.0182	ppm	9M10W7D	27N	22.06
71	15	670.5	690.5	0.1774	0.0154	ppm	13M6G7D	27N	22.49
71	15	670.5	690.5	0.1589	0.0179	ppm	13M7W7D	27N	22.01
71	20	673	688	0.1982	0.0157	ppm	18M2G7D	27N	22.97
71	20	673	688	0.1556	0.0144	ppm	18M1W7D	27N	21.92

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.0558	0.0166	ppm	4M58G7D	27N	17.47
71	5	665.5	695.5	0.0428	0.0170	ppm	4M60W7D	27N	16.31
71	10	668	693	0.0550	0.0158	ppm	9M11G7D	27N	17.40
71	10	668	693	0.0475	0.0182	ppm	9M10W7D	27N	16.77
71	15	670.5	690.5	0.0525	0.0154	ppm	13M6G7D	27N	17.20
71	15	670.5	690.5	0.0470	0.0179	ppm	13M7W7D	27N	16.72
71	20	673	688	0.0586	0.0157	ppm	18M2G7D	27N	17.68
71	20	673	688	0.0460	0.0144	ppm	18M1W7D	27N	16.63