

1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERP

1.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	665.5	1	0	23.59	-3.6	17.84	<=34.77	Pass		
			13	23.61	-3.6	17.86	<=34.77	Pass		
			24	23.51	-3.6	17.76	<=34.77	Pass		
		12	0	22.36	-3.6	16.61	<=34.77	Pass		
			6	22.59	-3.6	16.84	<=34.77	Pass		
			13	22.54	-3.6	16.79	<=34.77	Pass		
		25	0	22.46	-3.6	16.71	<=34.77	Pass		
		680.5	1	0	23.46	-3.6	17.71	<=34.77	Pass	
				13	23.55	-3.6	17.8	<=34.77	Pass	
	24			23.47	-3.6	17.72	<=34.77	Pass		
	12		0	22.45	-3.6	16.7	<=34.77	Pass		
			6	22.51	-3.6	16.76	<=34.77	Pass		
			13	22.46	-3.6	16.71	<=34.77	Pass		
	25	0	22.49	-3.6	16.74	<=34.77	Pass			
	695.5	1	0	23.52	-3.6	17.77	<=34.77	Pass		
			13	23.70	-3.6	17.95	<=34.77	Pass		
			24	23.65	-3.6	17.9	<=34.77	Pass		
		12	0	22.56	-3.6	16.81	<=34.77	Pass		
			6	22.66	-3.6	16.91	<=34.77	Pass		
			13	22.66	-3.6	16.91	<=34.77	Pass		
		25	0	22.68	-3.6	16.93	<=34.77	Pass		
		16QAM	665.5	1	0	22.62	-3.6	16.87	<=34.77	Pass
					13	22.66	-3.6	16.91	<=34.77	Pass
	24				22.56	-3.6	16.81	<=34.77	Pass	
12	0			21.30	-3.6	15.55	<=34.77	Pass		
	6			21.55	-3.6	15.8	<=34.77	Pass		
	13			21.46	-3.6	15.71	<=34.77	Pass		
25	0			21.35	-3.6	15.6	<=34.77	Pass		
680.5	1			0	22.37	-3.6	16.62	<=34.77	Pass	
				13	22.46	-3.6	16.71	<=34.77	Pass	
			24	22.38	-3.6	16.63	<=34.77	Pass		
	12		0	21.45	-3.6	15.7	<=34.77	Pass		
			6	21.55	-3.6	15.8	<=34.77	Pass		
			13	21.44	-3.6	15.69	<=34.77	Pass		
25	0		21.51	-3.6	15.76	<=34.77	Pass			
695.5	1		0	22.91	-3.6	17.16	<=34.77	Pass		
			13	23.04	-3.6	17.29	<=34.77	Pass		
			24	23.00	-3.6	17.25	<=34.77	Pass		
	12		0	21.54	-3.6	15.79	<=34.77	Pass		
			6	21.65	-3.6	15.9	<=34.77	Pass		
			13	21.63	-3.6	15.88	<=34.77	Pass		
	25		0	21.61	-3.6	15.86	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B71_10MHz_ERP

1.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	668	1	0	23.64	-3.6	17.89	<=34.77	Pass		
			25	23.74	-3.6	17.99	<=34.77	Pass		
			49	23.65	-3.6	17.9	<=34.77	Pass		
		25	0	22.52	-3.6	16.77	<=34.77	Pass		
			13	22.65	-3.6	16.9	<=34.77	Pass		
			25	22.58	-3.6	16.83	<=34.77	Pass		
		50	0	22.55	-3.6	16.8	<=34.77	Pass		
		680.5	1	0	23.58	-3.6	17.83	<=34.77	Pass	
				25	23.71	-3.6	17.96	<=34.77	Pass	
	49			23.57	-3.6	17.82	<=34.77	Pass		
	25		0	22.49	-3.6	16.74	<=34.77	Pass		
			13	22.60	-3.6	16.85	<=34.77	Pass		
			25	22.47	-3.6	16.72	<=34.77	Pass		
	50		0	22.42	-3.6	16.67	<=34.77	Pass		
	693		1	0	23.43	-3.6	17.68	<=34.77	Pass	
				25	23.73	-3.6	17.98	<=34.77	Pass	
		49		23.70	-3.6	17.95	<=34.77	Pass		
		25	0	22.57	-3.6	16.82	<=34.77	Pass		
			13	22.67	-3.6	16.92	<=34.77	Pass		
			25	22.77	-3.6	17.02	<=34.77	Pass		
		50	0	22.62	-3.6	16.87	<=34.77	Pass		
		16QAM	668	1	0	22.90	-3.6	17.15	<=34.77	Pass
					25	23.05	-3.6	17.3	<=34.77	Pass
	49				22.93	-3.6	17.18	<=34.77	Pass	
25	0			21.49	-3.6	15.74	<=34.77	Pass		
	13			21.58	-3.6	15.83	<=34.77	Pass		
	25			21.51	-3.6	15.76	<=34.77	Pass		
50	0			21.49	-3.6	15.74	<=34.77	Pass		
680.5	1			0	22.43	-3.6	16.68	<=34.77	Pass	
				25	22.55	-3.6	16.8	<=34.77	Pass	
			49	22.41	-3.6	16.66	<=34.77	Pass		
	25		0	21.50	-3.6	15.75	<=34.77	Pass		
			13	21.61	-3.6	15.86	<=34.77	Pass		
			25	21.49	-3.6	15.74	<=34.77	Pass		
	50		0	21.39	-3.6	15.64	<=34.77	Pass		
	693		1	0	22.43	-3.6	16.68	<=34.77	Pass	
				25	22.73	-3.6	16.98	<=34.77	Pass	
49				22.64	-3.6	16.89	<=34.77	Pass		
25			0	21.53	-3.6	15.78	<=34.77	Pass		
			13	21.65	-3.6	15.9	<=34.77	Pass		
			25	21.74	-3.6	15.99	<=34.77	Pass		
50			0	21.62	-3.6	15.87	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B71_15MHz_ERP

1.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	670.5	1	0	23.48	-3.6	17.73	<=34.77	Pass		
			38	23.66	-3.6	17.91	<=34.77	Pass		
			74	23.47	-3.6	17.72	<=34.77	Pass		
		36	0	22.59	-3.6	16.84	<=34.77	Pass		
			18	22.63	-3.6	16.88	<=34.77	Pass		
			39	22.70	-3.6	16.95	<=34.77	Pass		
		75	0	22.69	-3.6	16.94	<=34.77	Pass		
		680.5	1	0	23.42	-3.6	17.67	<=34.77	Pass	
				38	23.59	-3.6	17.84	<=34.77	Pass	
	74			23.43	-3.6	17.68	<=34.77	Pass		
	36		0	22.36	-3.6	16.61	<=34.77	Pass		
			18	22.52	-3.6	16.77	<=34.77	Pass		
			39	22.39	-3.6	16.64	<=34.77	Pass		
	75		0	22.39	-3.6	16.64	<=34.77	Pass		
	690.5		1	0	23.28	-3.6	17.53	<=34.77	Pass	
				38	23.56	-3.6	17.81	<=34.77	Pass	
		74		23.57	-3.6	17.82	<=34.77	Pass		
		36	0	22.50	-3.6	16.75	<=34.77	Pass		
			18	22.56	-3.6	16.81	<=34.77	Pass		
			39	22.68	-3.6	16.93	<=34.77	Pass		
		75	0	22.67	-3.6	16.92	<=34.77	Pass		
		16QAM	670.5	1	0	22.33	-3.6	16.58	<=34.77	Pass
					38	22.54	-3.6	16.79	<=34.77	Pass
	74				22.41	-3.6	16.66	<=34.77	Pass	
36	0			21.52	-3.6	15.77	<=34.77	Pass		
	18			21.58	-3.6	15.83	<=34.77	Pass		
	39			21.67	-3.6	15.92	<=34.77	Pass		
75	0			21.61	-3.6	15.86	<=34.77	Pass		
680.5	1			0	22.29	-3.6	16.54	<=34.77	Pass	
				38	22.43	-3.6	16.68	<=34.77	Pass	
			74	22.28	-3.6	16.53	<=34.77	Pass		
	36		0	21.36	-3.6	15.61	<=34.77	Pass		
			18	21.48	-3.6	15.73	<=34.77	Pass		
			39	21.36	-3.6	15.61	<=34.77	Pass		
	75		0	21.36	-3.6	15.61	<=34.77	Pass		
	690.5		1	0	22.28	-3.6	16.53	<=34.77	Pass	
				38	22.54	-3.6	16.79	<=34.77	Pass	
74				22.52	-3.6	16.77	<=34.77	Pass		
36			0	21.46	-3.6	15.71	<=34.77	Pass		
			18	21.52	-3.6	15.77	<=34.77	Pass		
			39	21.67	-3.6	15.92	<=34.77	Pass		
75			0	21.60	-3.6	15.85	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B71_20MHz_ERP

1.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	673	1	0	23.26	-3.6	17.51	<=34.77	Pass		
			50	23.68	-3.6	17.93	<=34.77	Pass		
			99	23.29	-3.6	17.54	<=34.77	Pass		
		50	0	22.67	-3.6	16.92	<=34.77	Pass		
			25	22.62	-3.6	16.87	<=34.77	Pass		
			50	22.81	-3.6	17.06	<=34.77	Pass		
		100	0	22.70	-3.6	16.95	<=34.77	Pass		
		683	1	0	23.25	-3.6	17.5	<=34.77	Pass	
				50	23.56	-3.6	17.81	<=34.77	Pass	
	99			23.33	-3.6	17.58	<=34.77	Pass		
	50		0	22.32	-3.6	16.57	<=34.77	Pass		
			25	22.47	-3.6	16.72	<=34.77	Pass		
			50	22.42	-3.6	16.67	<=34.77	Pass		
	100		0	22.35	-3.6	16.6	<=34.77	Pass		
	688		1	0	23.20	-3.6	17.45	<=34.77	Pass	
				50	23.61	-3.6	17.86	<=34.77	Pass	
		99		23.48	-3.6	17.73	<=34.77	Pass		
		50	0	22.66	-3.6	16.91	<=34.77	Pass		
			25	22.50	-3.6	16.75	<=34.77	Pass		
			50	22.72	-3.6	16.97	<=34.77	Pass		
		100	0	22.67	-3.6	16.92	<=34.77	Pass		
		16QAM	673	1	0	22.59	-3.6	16.84	<=34.77	Pass
					50	23.06	-3.6	17.31	<=34.77	Pass
	99				22.65	-3.6	16.9	<=34.77	Pass	
50	0			21.64	-3.6	15.89	<=34.77	Pass		
	25			21.55	-3.6	15.8	<=34.77	Pass		
	50			21.74	-3.6	15.99	<=34.77	Pass		
100	0			21.68	-3.6	15.93	<=34.77	Pass		
683	1			0	22.23	-3.6	16.48	<=34.77	Pass	
				50	22.59	-3.6	16.84	<=34.77	Pass	
			99	22.33	-3.6	16.58	<=34.77	Pass		
	50		0	21.29	-3.6	15.54	<=34.77	Pass		
			25	21.42	-3.6	15.67	<=34.77	Pass		
			50	21.38	-3.6	15.63	<=34.77	Pass		
	100		0	21.34	-3.6	15.59	<=34.77	Pass		
	688		1	0	21.99	-3.6	16.24	<=34.77	Pass	
				50	22.43	-3.6	16.68	<=34.77	Pass	
99				22.24	-3.6	16.49	<=34.77	Pass		
50			0	21.57	-3.6	15.82	<=34.77	Pass		
			25	21.48	-3.6	15.73	<=34.77	Pass		
			50	21.70	-3.6	15.95	<=34.77	Pass		
100			0	21.66	-3.6	15.91	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B71_5MHz

2.1.1 Test Result

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	-2.289	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-8.097	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-5.736	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-5.522	-0.0083	-2.5 to 2.5	Pass
	50	3.85	-5.322	-0.0080	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-7.210	-0.0106	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0114	-2.5 to 2.5	Pass
					4.43	-5.922	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0053	-2.5 to 2.5	Pass
	50	3.85	-8.111	-0.0119	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-7.052	-0.0101	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0109	-2.5 to 2.5	Pass
					4.43	-7.882	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-2.561	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.204	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0031	-2.5 to 2.5	Pass
30				3.85	-10.042	-0.0144	-2.5 to 2.5	Pass	
40				3.85	-5.922	-0.0085	-2.5 to 2.5	Pass	
50	3.85	-5.693	-0.0082	-2.5 to 2.5	Pass				
16QAM	665.5	25	0	20	3.27	-4.420	-0.0066	-2.5 to 2.5	Pass
					3.85	-7.167	-0.0108	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-10.071	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-9.127	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-7.467	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0040	-2.5 to 2.5	Pass
	50	3.85	-8.397	-0.0126	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-8.268	-0.0121	-2.5 to 2.5	Pass
					3.85	-7.739	-0.0114	-2.5 to 2.5	Pass

					4.43	-8.311	-0.0122	-2.5 to 2.5	Pass			
				-30	3.85	-8.168	-0.0120	-2.5 to 2.5	Pass			
				-20	3.85	-7.982	-0.0117	-2.5 to 2.5	Pass			
				-10	3.85	-9.956	-0.0146	-2.5 to 2.5	Pass			
				0	3.85	-6.323	-0.0093	-2.5 to 2.5	Pass			
				10	3.85	-6.080	-0.0089	-2.5 to 2.5	Pass			
				30	3.85	-8.698	-0.0128	-2.5 to 2.5	Pass			
				40	3.85	-7.553	-0.0111	-2.5 to 2.5	Pass			
				50	3.85	-4.234	-0.0062	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-6.094	-0.0088	-2.5 to 2.5	Pass			
3.85					-2.217	-0.0032	-2.5 to 2.5	Pass				
4.43					-2.561	-0.0037	-2.5 to 2.5	Pass				
							-30	3.85	-10.858	-0.0156	-2.5 to 2.5	Pass
							-20	3.85	-13.332	-0.0192	-2.5 to 2.5	Pass
							-10	3.85	-14.148	-0.0203	-2.5 to 2.5	Pass
							0	3.85	-5.980	-0.0086	-2.5 to 2.5	Pass
							10	3.85	-6.380	-0.0092	-2.5 to 2.5	Pass
							30	3.85	-6.695	-0.0096	-2.5 to 2.5	Pass
							40	3.85	-10.672	-0.0153	-2.5 to 2.5	Pass
							50	3.85	-8.125	-0.0117	-2.5 to 2.5	Pass

2.2 B71_10MHz

2.2.1 Test Result

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	-5.322	-0.0080	-2.5 to 2.5	Pass				
					3.85	-4.048	-0.0061	-2.5 to 2.5	Pass				
					4.43	-0.958	-0.0014	-2.5 to 2.5	Pass				
								-30	3.85	-7.396	-0.0111	-2.5 to 2.5	Pass
								-20	3.85	-5.393	-0.0081	-2.5 to 2.5	Pass
								-10	3.85	-4.263	-0.0064	-2.5 to 2.5	Pass
								0	3.85	-8.640	-0.0129	-2.5 to 2.5	Pass
								10	3.85	-1.531	-0.0023	-2.5 to 2.5	Pass
								30	3.85	-4.964	-0.0074	-2.5 to 2.5	Pass
								40	3.85	-5.379	-0.0081	-2.5 to 2.5	Pass
								50	3.85	-2.775	-0.0042	-2.5 to 2.5	Pass
					680.5	50	0	20	3.27	-6.909	-0.0102	-2.5 to 2.5	Pass
	3.85	-7.796	-0.0115	-2.5 to 2.5					Pass				
	4.43	-4.735	-0.0070	-2.5 to 2.5					Pass				
								-30	3.85	-5.608	-0.0082	-2.5 to 2.5	Pass
								-20	3.85	-6.824	-0.0100	-2.5 to 2.5	Pass
								-10	3.85	-6.638	-0.0098	-2.5 to 2.5	Pass
								0	3.85	-2.890	-0.0042	-2.5 to 2.5	Pass
								10	3.85	-3.018	-0.0044	-2.5 to 2.5	Pass
								30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
								40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
								50	3.85	-2.189	-0.0032	-2.5 to 2.5	Pass
		693	50	0				20	3.27	-8.926	-0.0129	-2.5 to 2.5	Pass
	3.85				-5.322	-0.0077	-2.5 to 2.5		Pass				
	4.43				-1.373	-0.0020	-2.5 to 2.5		Pass				
								-30	3.85	0.315	0.0005	-2.5 to 2.5	Pass
					-20	3.85	-10.071	-0.0145	-2.5 to 2.5	Pass			

				-10	3.85	-4.120	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-9.942	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0072	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-5.293	-0.0079	-2.5 to 2.5	Pass
					3.85	-9.327	-0.0140	-2.5 to 2.5	Pass
					4.43	-4.692	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-7.482	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-3.548	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass
	50	3.85	-7.124	-0.0107	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	1.073	0.0016	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0083	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.116	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0049	-2.5 to 2.5	Pass
	50	3.85	-3.047	-0.0045	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-6.237	-0.0090	-2.5 to 2.5	Pass
					3.85	-9.828	-0.0142	-2.5 to 2.5	Pass
					4.43	-10.228	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-9.341	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-11.530	-0.0166	-2.5 to 2.5	Pass
				-10	3.85	-10.343	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-8.097	-0.0117	-2.5 to 2.5	Pass
30				3.85	-8.311	-0.0120	-2.5 to 2.5	Pass	
40				3.85	-8.526	-0.0123	-2.5 to 2.5	Pass	
50	3.85	-9.084	-0.0131	-2.5 to 2.5	Pass				

2.3 B71_15MHz

2.3.1 Test Result

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	-5.379	-0.0080	-2.5 to 2.5	Pass
					3.85	-2.804	-0.0042	-2.5 to 2.5	Pass
					4.43	-6.852	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-7.854	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-5.608	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-2.675	-0.0040	-2.5 to 2.5	Pass

	680.5	75	0	30	3.85	-3.004	-0.0045	-2.5 to 2.5	Pass				
				40	3.85	-2.875	-0.0043	-2.5 to 2.5	Pass				
				50	3.85	-5.794	-0.0086	-2.5 to 2.5	Pass				
				20	3.27	-4.120	-0.0061	-2.5 to 2.5	Pass				
					3.85	-4.048	-0.0059	-2.5 to 2.5	Pass				
					4.43	-3.819	-0.0056	-2.5 to 2.5	Pass				
				-30	3.85	-3.076	-0.0045	-2.5 to 2.5	Pass				
				-20	3.85	-7.081	-0.0104	-2.5 to 2.5	Pass				
				-10	3.85	-9.227	-0.0136	-2.5 to 2.5	Pass				
				0	3.85	-6.294	-0.0092	-2.5 to 2.5	Pass				
				10	3.85	-4.864	-0.0071	-2.5 to 2.5	Pass				
				30	3.85	-3.304	-0.0049	-2.5 to 2.5	Pass				
				40	3.85	-9.227	-0.0136	-2.5 to 2.5	Pass				
				50	3.85	-9.027	-0.0133	-2.5 to 2.5	Pass				
				690.5	75	0	20	3.27	-5.708	-0.0083	-2.5 to 2.5	Pass	
	3.85	-4.277	-0.0062					-2.5 to 2.5	Pass				
	4.43	-2.031	-0.0029					-2.5 to 2.5	Pass				
	-30	3.85	-2.646				-0.0038	-2.5 to 2.5	Pass				
	-20	3.85	-7.524				-0.0109	-2.5 to 2.5	Pass				
	-10	3.85	-5.221				-0.0076	-2.5 to 2.5	Pass				
	0	3.85	-5.665				-0.0082	-2.5 to 2.5	Pass				
	10	3.85	-6.337				-0.0092	-2.5 to 2.5	Pass				
	30	3.85	-5.422				-0.0079	-2.5 to 2.5	Pass				
	40	3.85	-11.215				-0.0162	-2.5 to 2.5	Pass				
	50	3.85	-6.409				-0.0093	-2.5 to 2.5	Pass				
	16QAM	670.5	75				0	20	3.27	-5.779	-0.0086	-2.5 to 2.5	Pass
									3.85	-4.377	-0.0065	-2.5 to 2.5	Pass
									4.43	-9.170	-0.0137	-2.5 to 2.5	Pass
								-30	3.85	-5.178	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-3.161		-0.0047	-2.5 to 2.5	Pass			
-10				3.85	-7.281	-0.0109		-2.5 to 2.5	Pass				
0				3.85	-4.649	-0.0069		-2.5 to 2.5	Pass				
10				3.85	-3.862	-0.0058		-2.5 to 2.5	Pass				
30				3.85	-7.353	-0.0110		-2.5 to 2.5	Pass				
40				3.85	-7.997	-0.0119		-2.5 to 2.5	Pass				
50				3.85	-5.536	-0.0083		-2.5 to 2.5	Pass				
680.5				75	0	20		3.27	-3.877	-0.0057	-2.5 to 2.5	Pass	
								3.85	-7.782	-0.0114	-2.5 to 2.5	Pass	
								4.43	-7.195	-0.0106	-2.5 to 2.5	Pass	
						-30		3.85	-7.296	-0.0107	-2.5 to 2.5	Pass	
		-20	3.85			-6.995	-0.0103	-2.5 to 2.5	Pass				
		-10	3.85			-7.753	-0.0114	-2.5 to 2.5	Pass				
		0	3.85			-7.524	-0.0111	-2.5 to 2.5	Pass				
		10	3.85			-6.237	-0.0092	-2.5 to 2.5	Pass				
		30	3.85			-7.296	-0.0107	-2.5 to 2.5	Pass				
		40	3.85			-8.240	-0.0121	-2.5 to 2.5	Pass				
		50	3.85			-7.782	-0.0114	-2.5 to 2.5	Pass				
		690.5	75			0	20	3.27	-7.067	-0.0102	-2.5 to 2.5	Pass	
								3.85	-5.836	-0.0085	-2.5 to 2.5	Pass	
								4.43	-5.865	-0.0085	-2.5 to 2.5	Pass	
							-30	3.85	-6.151	-0.0089	-2.5 to 2.5	Pass	
-20				3.85	-6.595		-0.0096	-2.5 to 2.5	Pass				
-10				3.85	-8.197		-0.0119	-2.5 to 2.5	Pass				
0				3.85	-4.892		-0.0071	-2.5 to 2.5	Pass				
10				3.85	-4.449		-0.0064	-2.5 to 2.5	Pass				
30	3.85			-5.078	-0.0074		-2.5 to 2.5	Pass					
40	3.85			-7.052	-0.0102		-2.5 to 2.5	Pass					

				50	3.85	-5.751	-0.0083	-2.5 to 2.5	Pass
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2.4 B71_20MHz

2.4.1 Test Result

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	-6.680	-0.0099	-2.5 to 2.5	Pass
					3.85	-8.683	-0.0129	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-6.595	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.480	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-7.281	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-8.612	-0.0128	-2.5 to 2.5	Pass
	50	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-4.907	-0.0072	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
					4.43	-8.869	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-7.010	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-2.060	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-7.653	-0.0112	-2.5 to 2.5	Pass
	50	3.85	-3.119	-0.0046	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-7.424	-0.0108	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0050	-2.5 to 2.5	Pass
					4.43	-5.522	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-8.554	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0114	-2.5 to 2.5	Pass
30				3.85	-4.692	-0.0068	-2.5 to 2.5	Pass	
40				3.85	-7.339	-0.0107	-2.5 to 2.5	Pass	
50	3.85	-6.051	-0.0088	-2.5 to 2.5	Pass				
16QAM	673	100	0	20	3.27	-7.253	-0.0108	-2.5 to 2.5	Pass
					3.85	-6.895	-0.0102	-2.5 to 2.5	Pass
					4.43	-6.709	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-7.381	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-8.955	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-7.954	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-10.400	-0.0155	-2.5 to 2.5	Pass
				40	3.85	-8.311	-0.0123	-2.5 to 2.5	Pass
	50	3.85	-6.523	-0.0097	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-7.153	-0.0105	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0126	-2.5 to 2.5	Pass

					4.43	-2.618	-0.0038	-2.5 to 2.5	Pass			
				-30	3.85	-3.290	-0.0048	-2.5 to 2.5	Pass			
				-20	3.85	-8.883	-0.0130	-2.5 to 2.5	Pass			
				-10	3.85	-9.913	-0.0145	-2.5 to 2.5	Pass			
				0	3.85	-2.246	-0.0033	-2.5 to 2.5	Pass			
				10	3.85	-6.437	-0.0094	-2.5 to 2.5	Pass			
				30	3.85	-5.078	-0.0074	-2.5 to 2.5	Pass			
				40	3.85	-6.280	-0.0092	-2.5 to 2.5	Pass			
				50	3.85	-9.599	-0.0141	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-7.954	-0.0116	-2.5 to 2.5	Pass			
3.85					-9.842	-0.0143	-2.5 to 2.5	Pass				
4.43					-9.470	-0.0138	-2.5 to 2.5	Pass				
							-30	3.85	-8.440	-0.0123	-2.5 to 2.5	Pass
							-20	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
							-10	3.85	-3.033	-0.0044	-2.5 to 2.5	Pass
							0	3.85	-2.317	-0.0034	-2.5 to 2.5	Pass
							10	3.85	-4.563	-0.0066	-2.5 to 2.5	Pass
							30	3.85	-2.618	-0.0038	-2.5 to 2.5	Pass
							40	3.85	-4.849	-0.0070	-2.5 to 2.5	Pass
							50	3.85	-4.978	-0.0072	-2.5 to 2.5	Pass

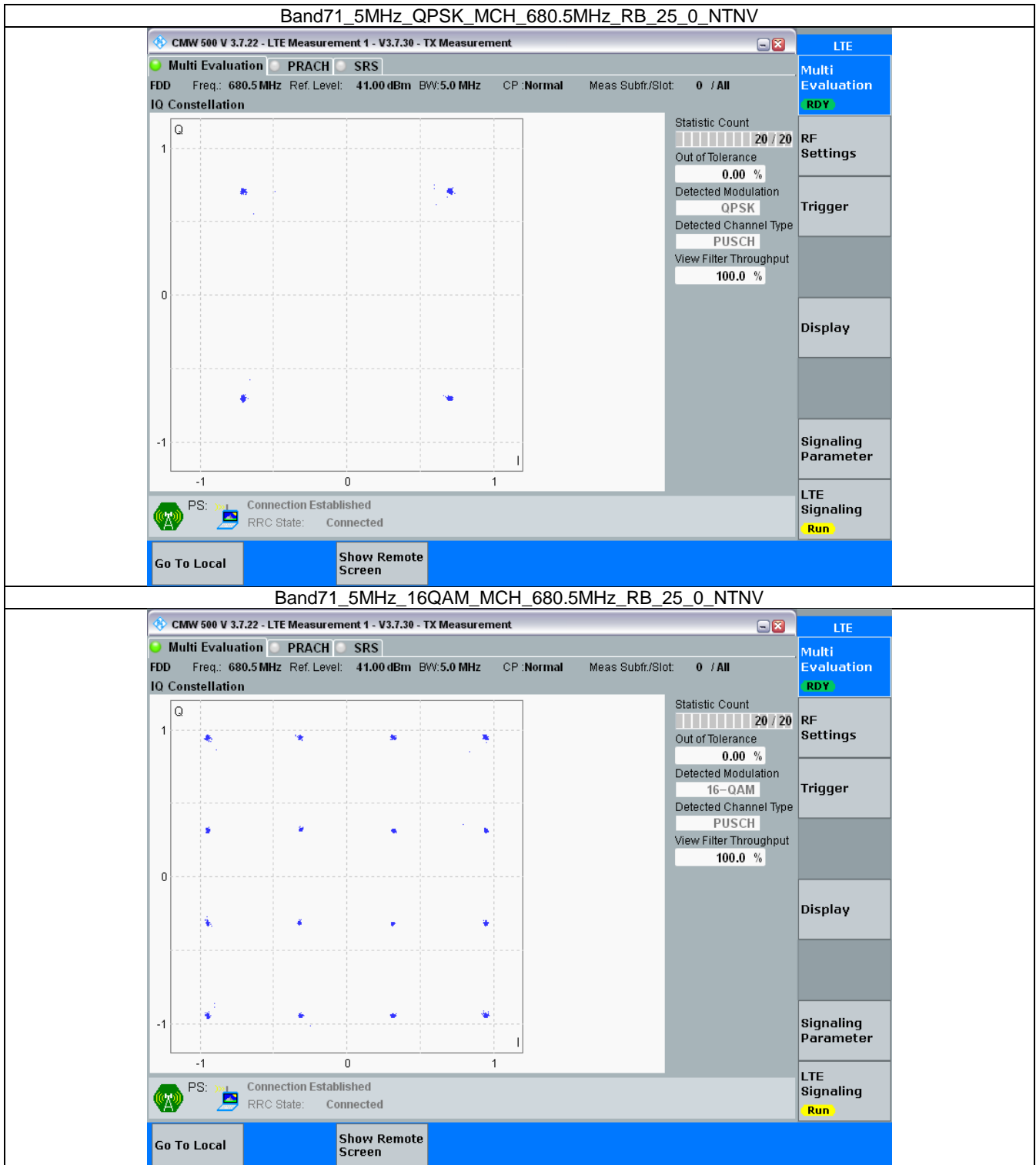
3. Modulation Characteristics

3.1 B71_5MHz

3.1.1 Test Result

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 Test Graph

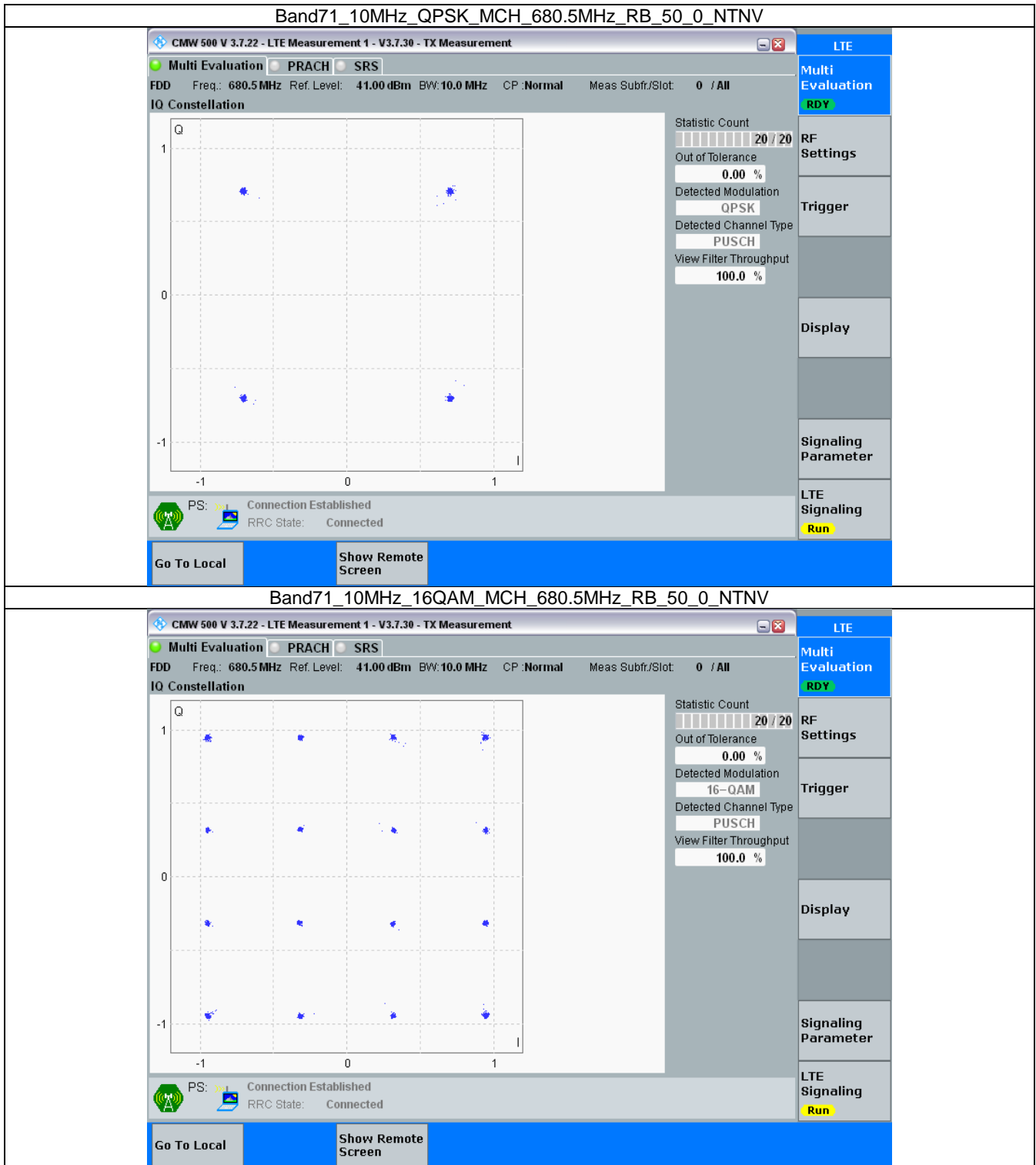


3.2 B71_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph

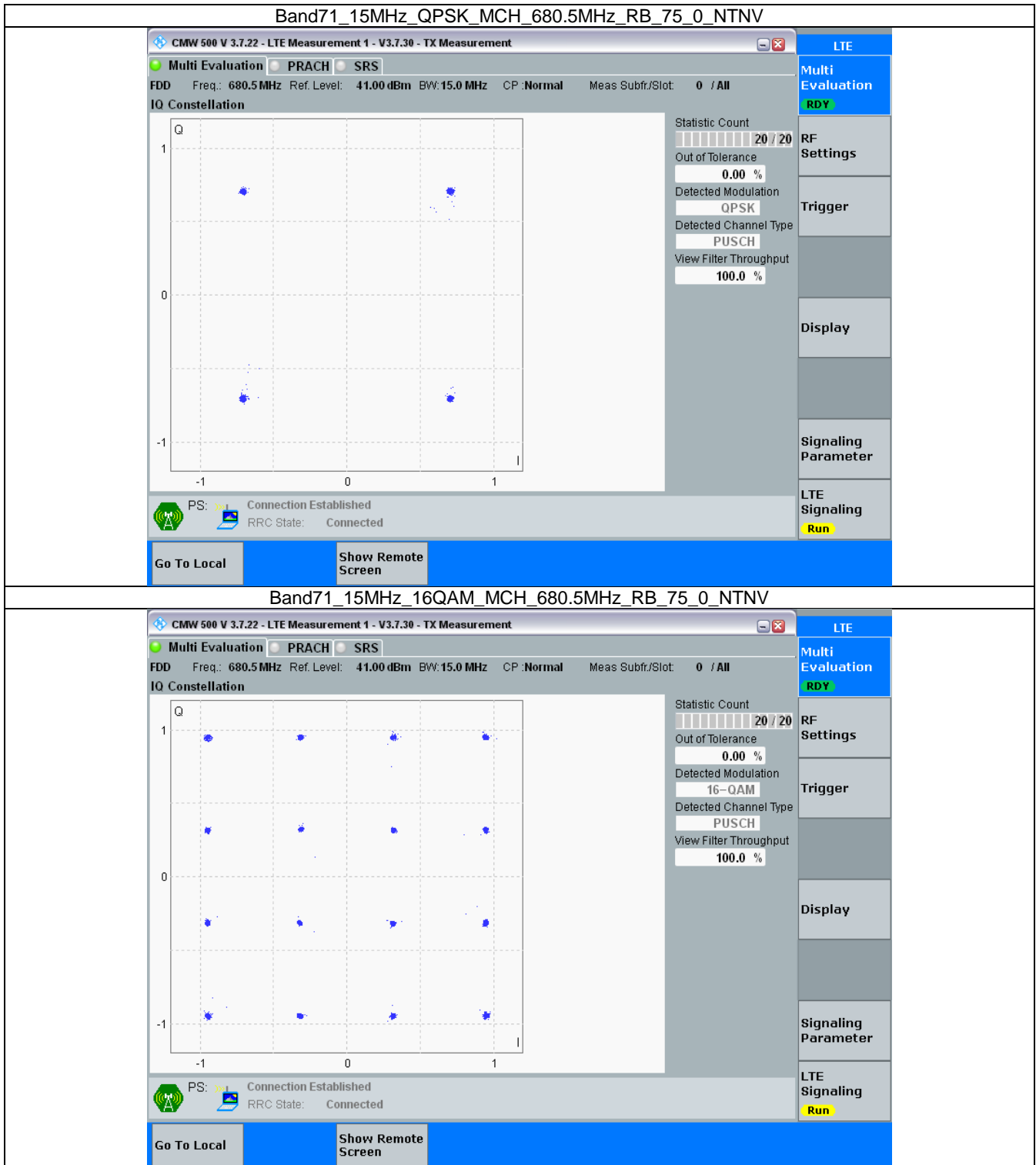


3.3 B71_15MHz

3.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
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

3.3.2 Test Graph

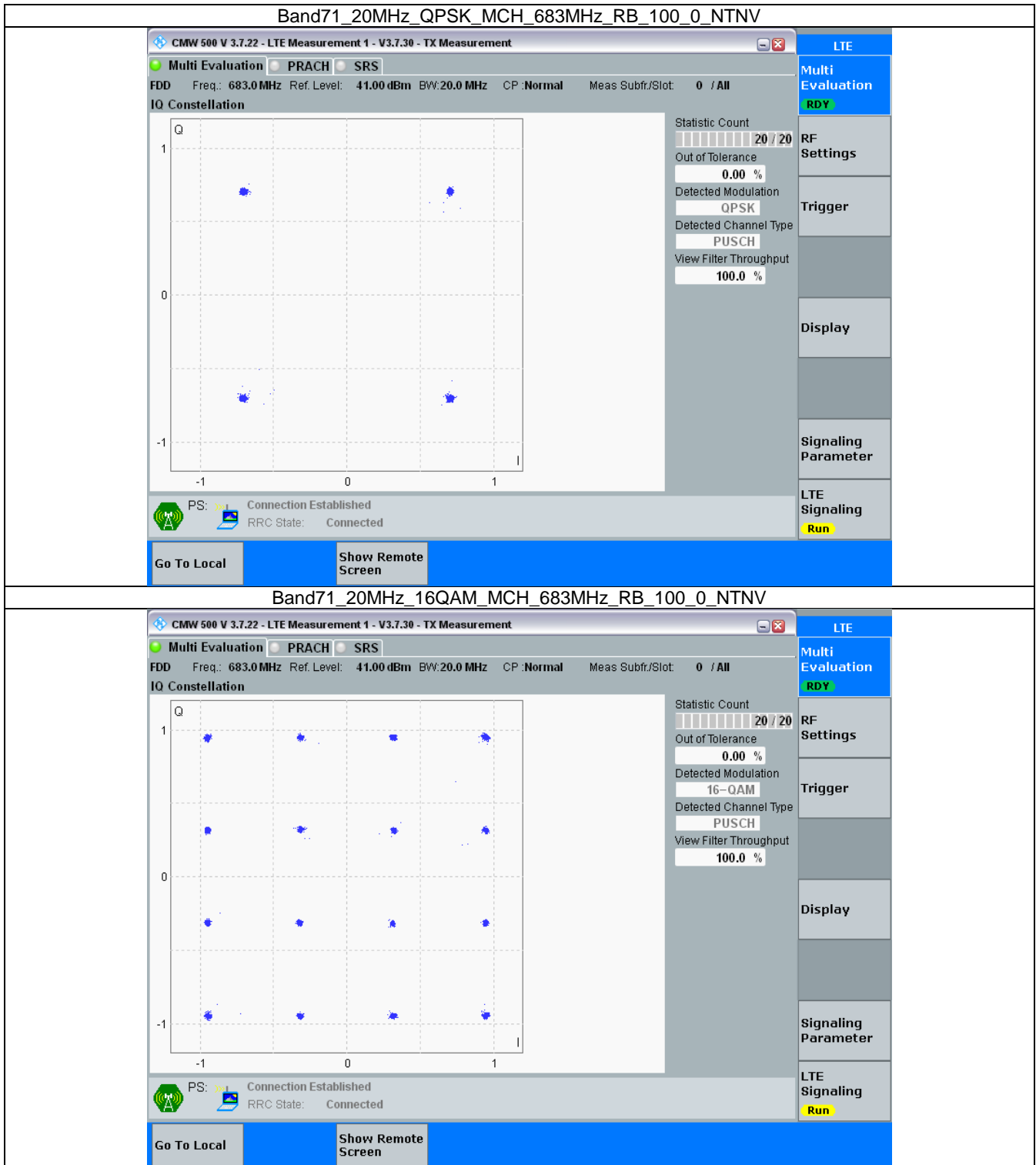


3.4 B71_20MHz

3.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
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

3.4.2 Test Graph



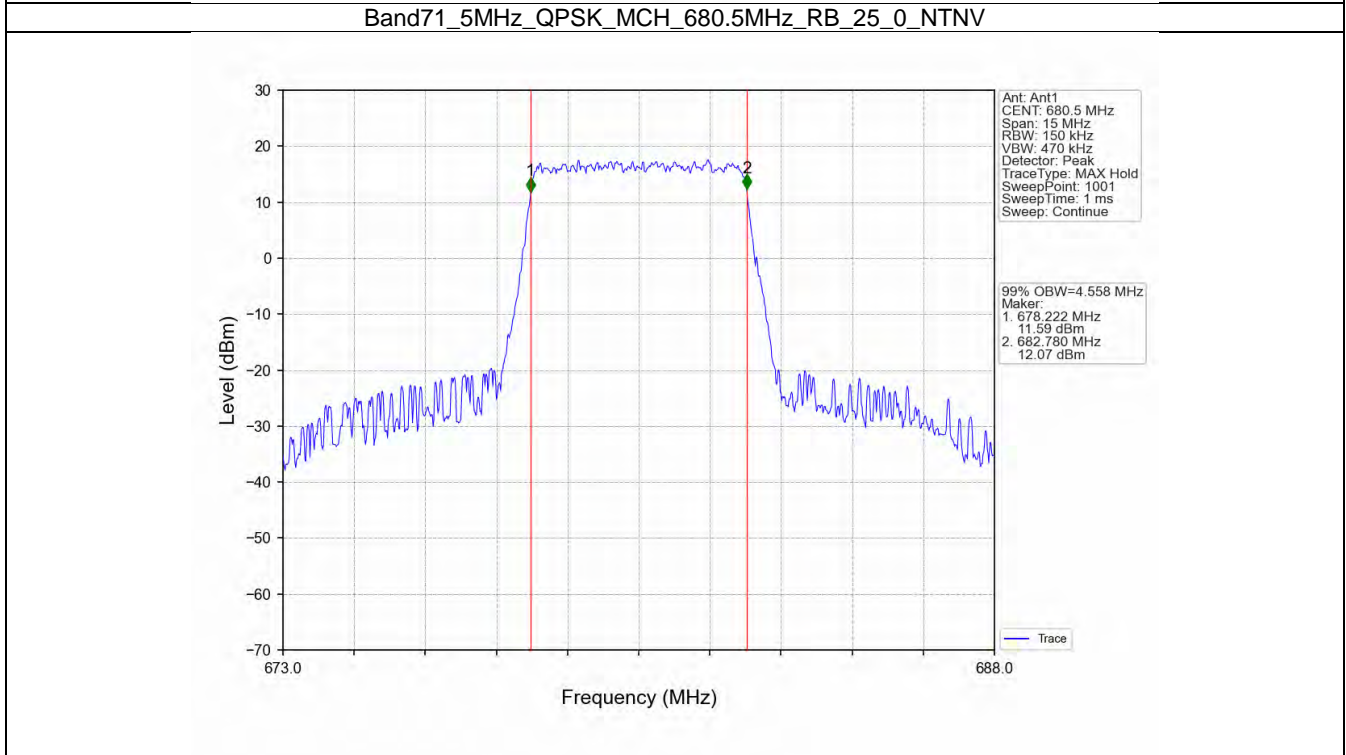
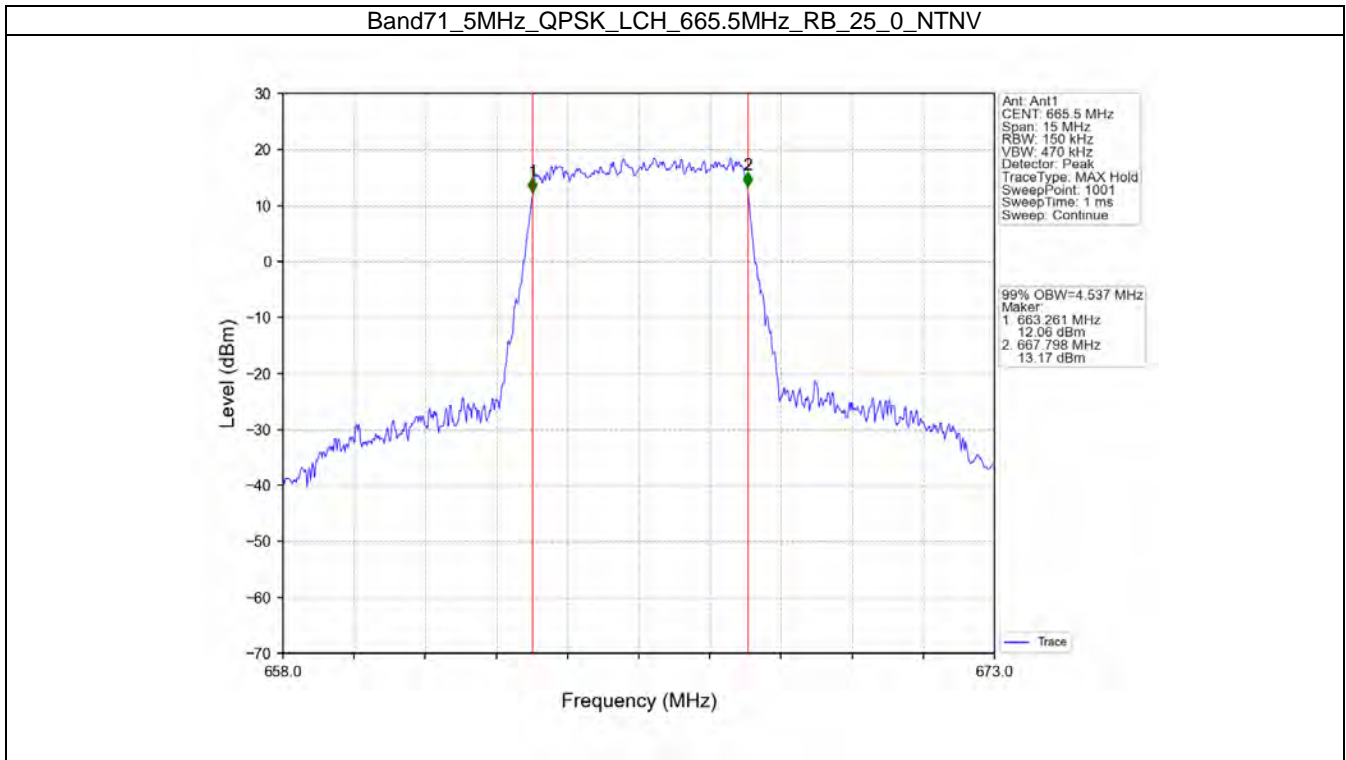
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

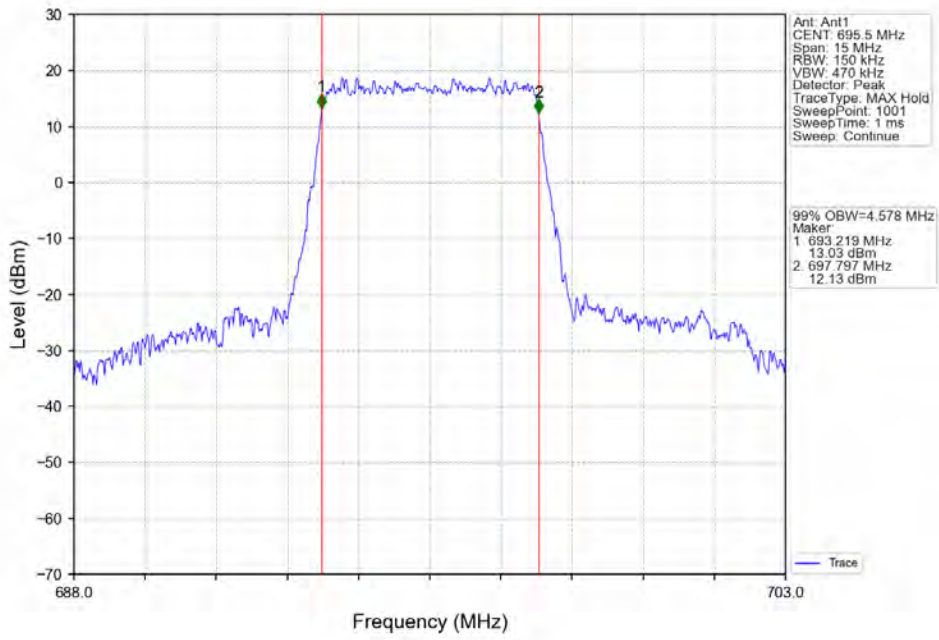
4.1.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.537	Pass
		680.5	25	0	4.558	Pass
		695.5	25	0	4.578	Pass
	16QAM	665.5	25	0	4.575	Pass
		680.5	25	0	4.582	Pass
		695.5	25	0	4.549	Pass
10	QPSK	668	50	0	9.056	Pass
		680.5	50	0	9.015	Pass
		693	50	0	9.103	Pass
	16QAM	668	50	0	9.025	Pass
		680.5	50	0	9.017	Pass
		693	50	0	9.069	Pass
15	QPSK	670.5	75	0	13.606	Pass
		680.5	75	0	13.516	Pass
		690.5	75	0	13.697	Pass
	16QAM	670.5	75	0	13.605	Pass
		680.5	75	0	13.524	Pass
		690.5	75	0	13.657	Pass
20	QPSK	673	100	0	18.170	Pass
		683	100	0	18.077	Pass
		688	100	0	18.176	Pass
	16QAM	673	100	0	18.178	Pass
		683	100	0	18.097	Pass
		688	100	0	18.189	Pass

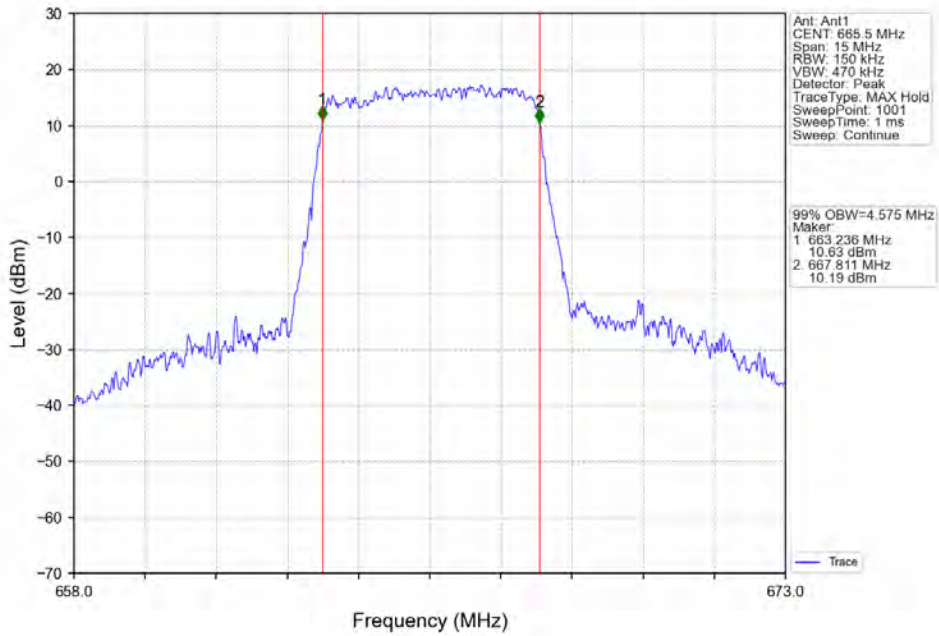
4.1.2 Test Graph



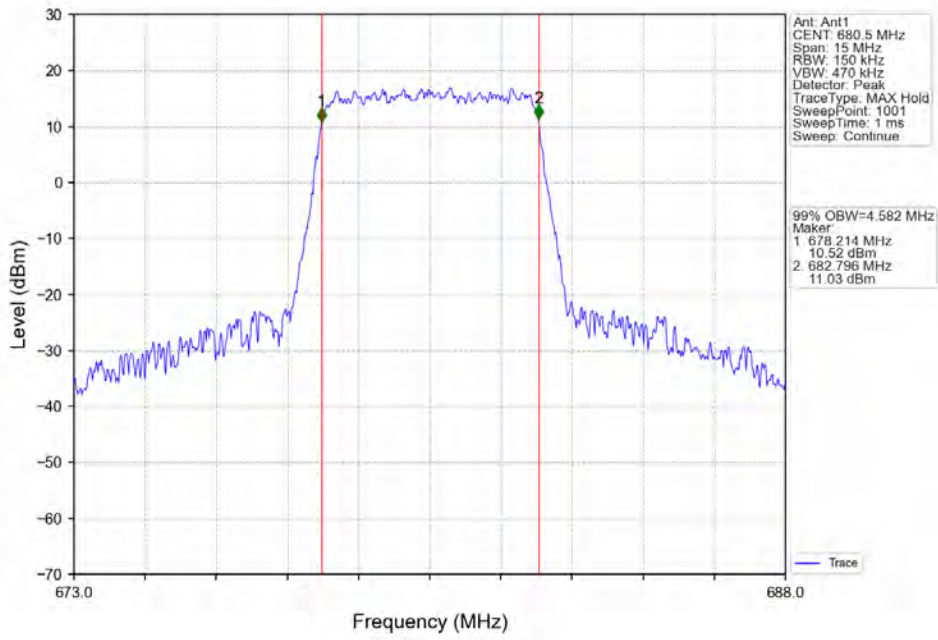
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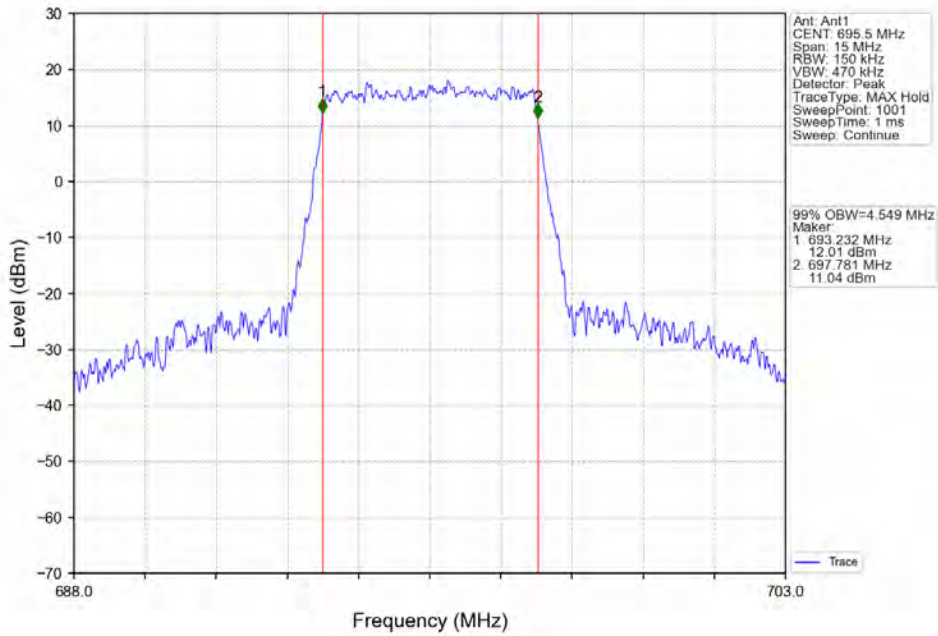
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



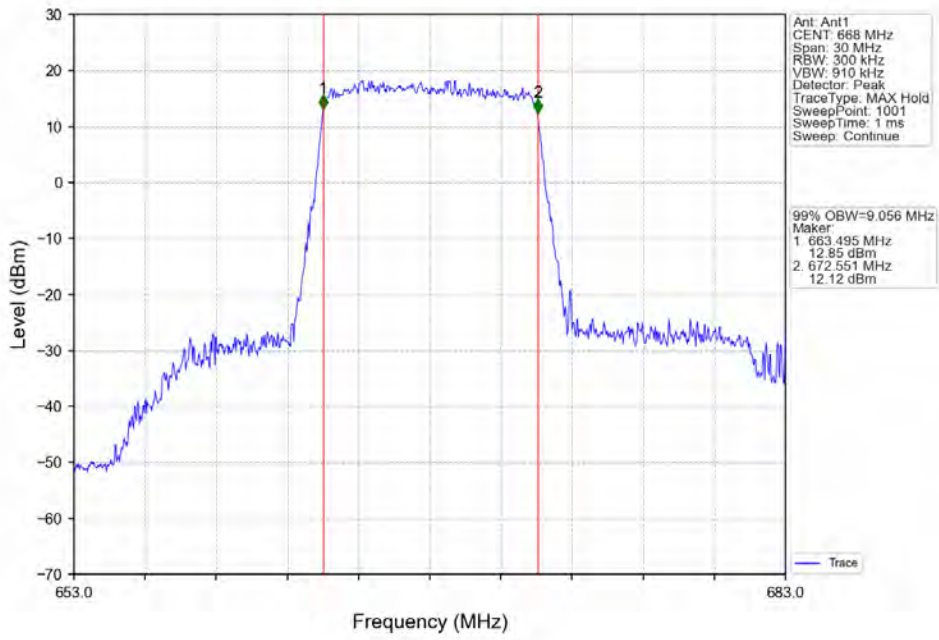
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



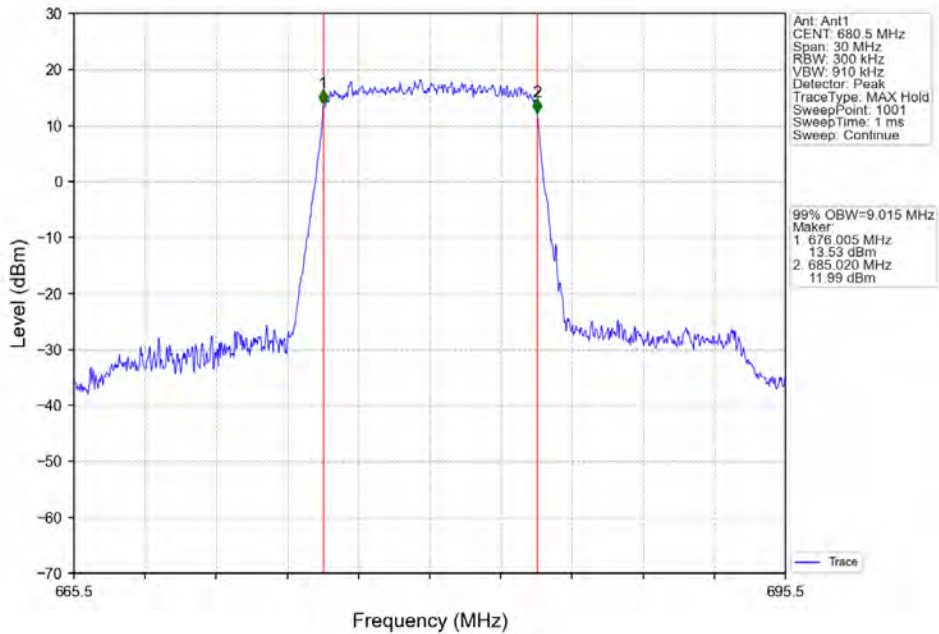
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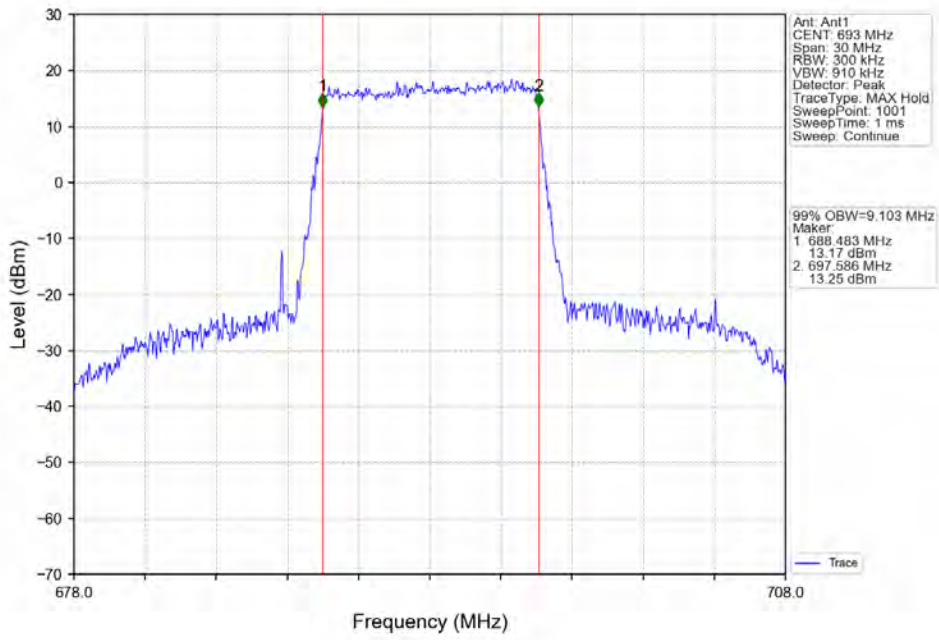
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



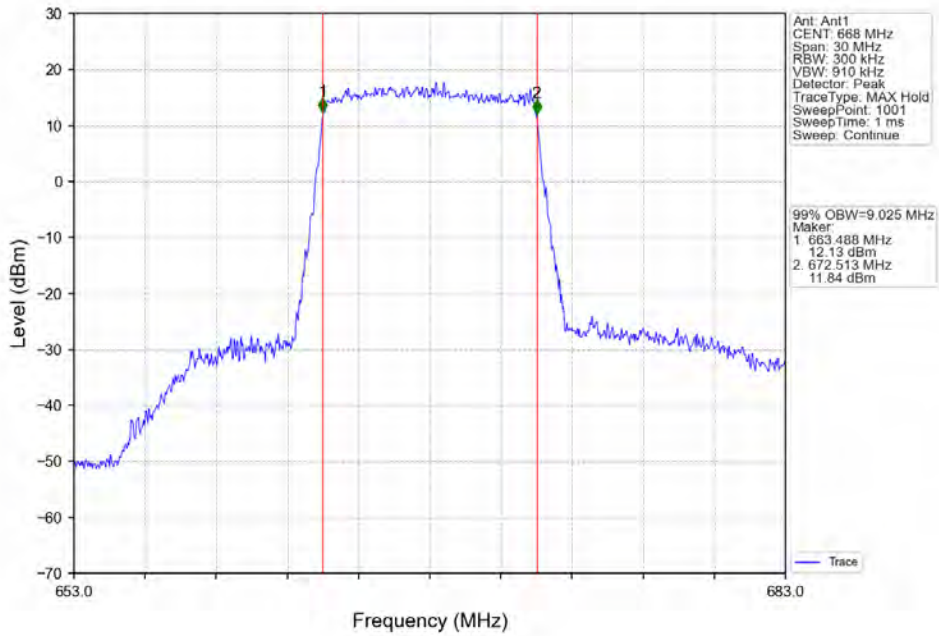
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



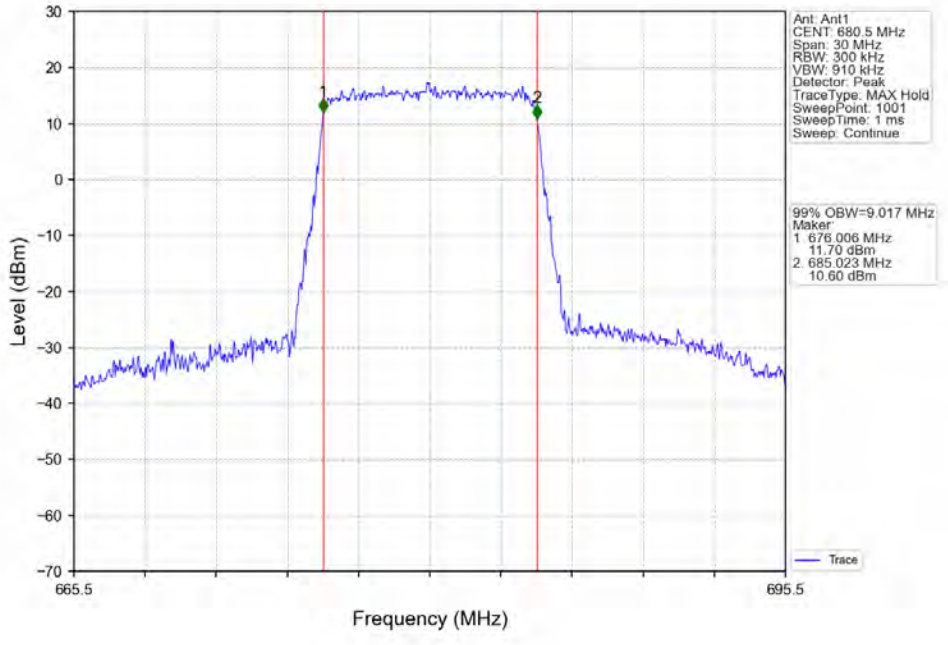
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



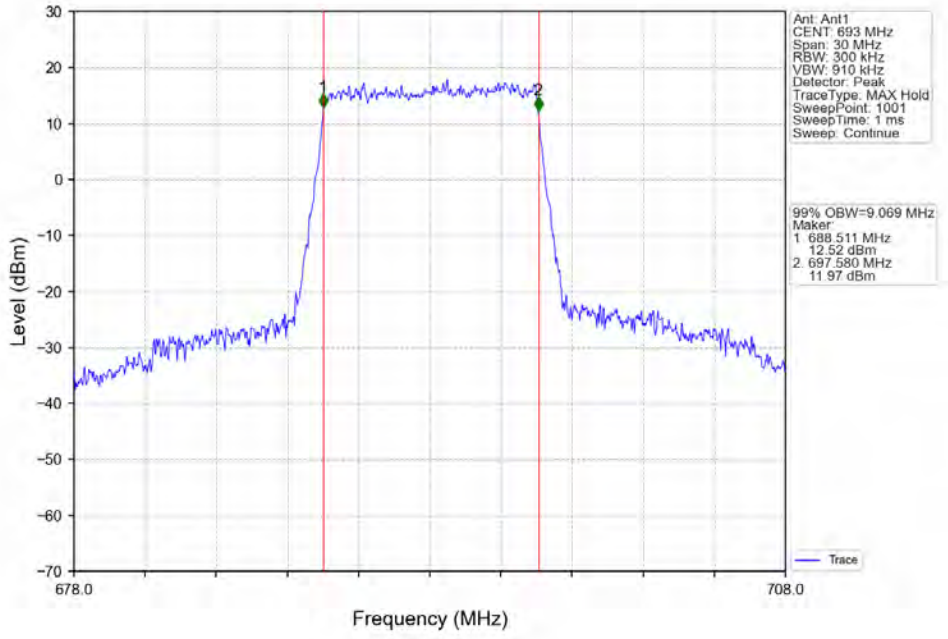
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



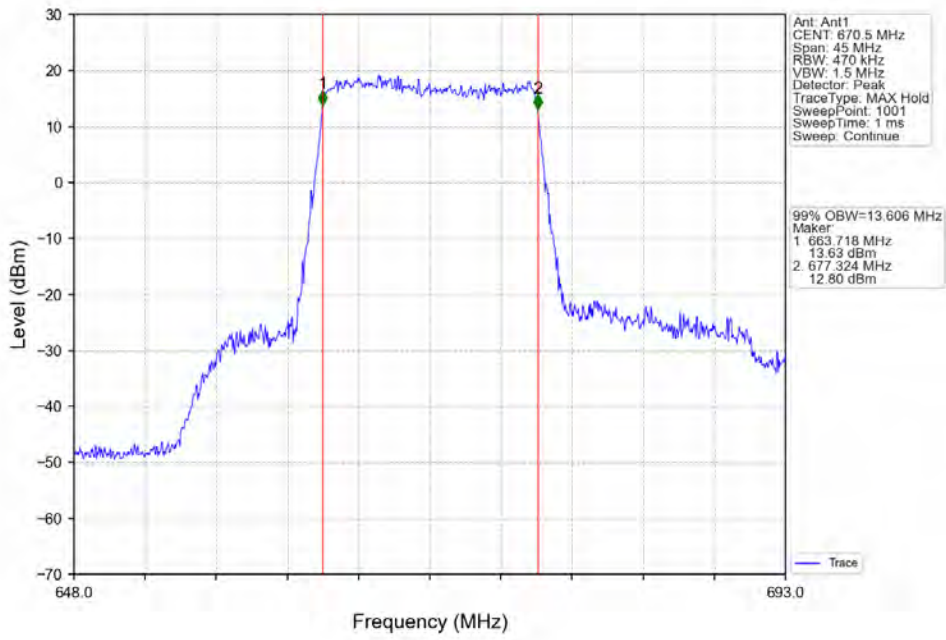
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



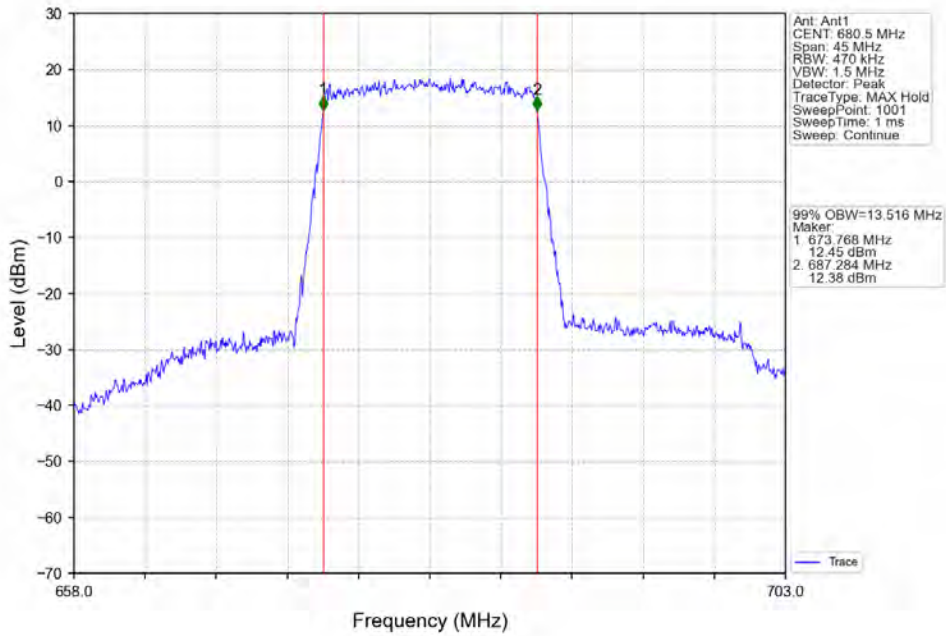
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



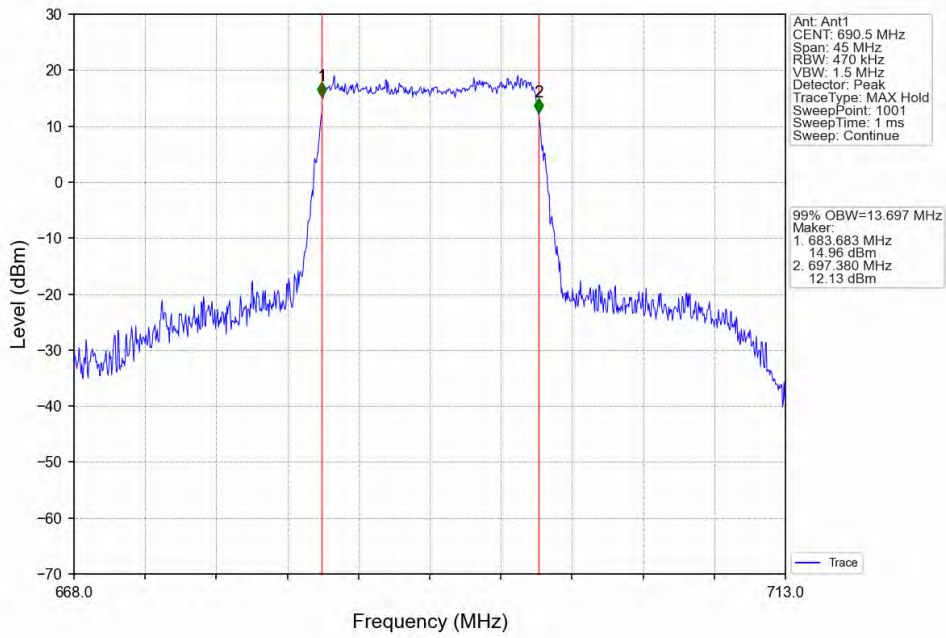
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



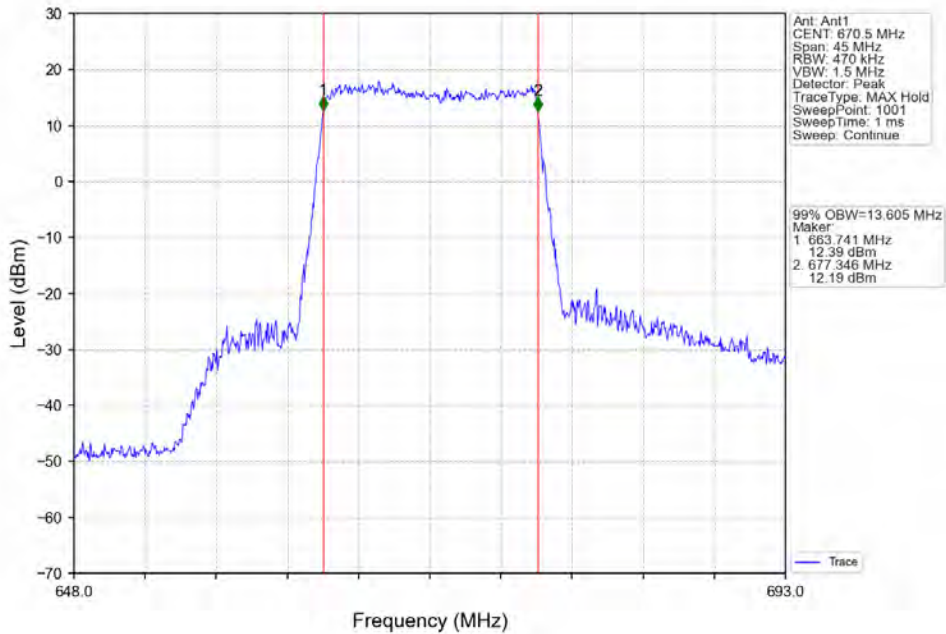
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



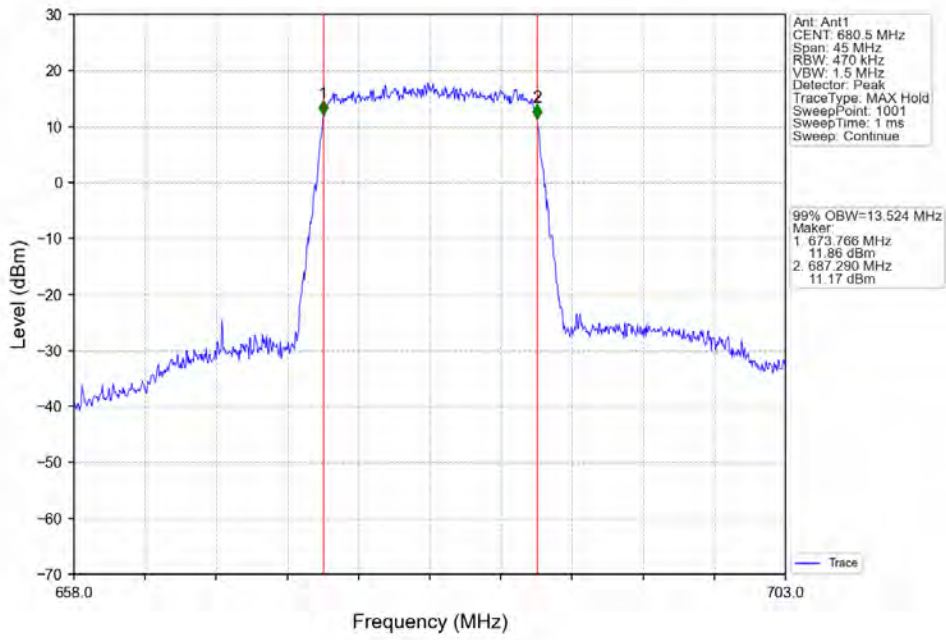
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



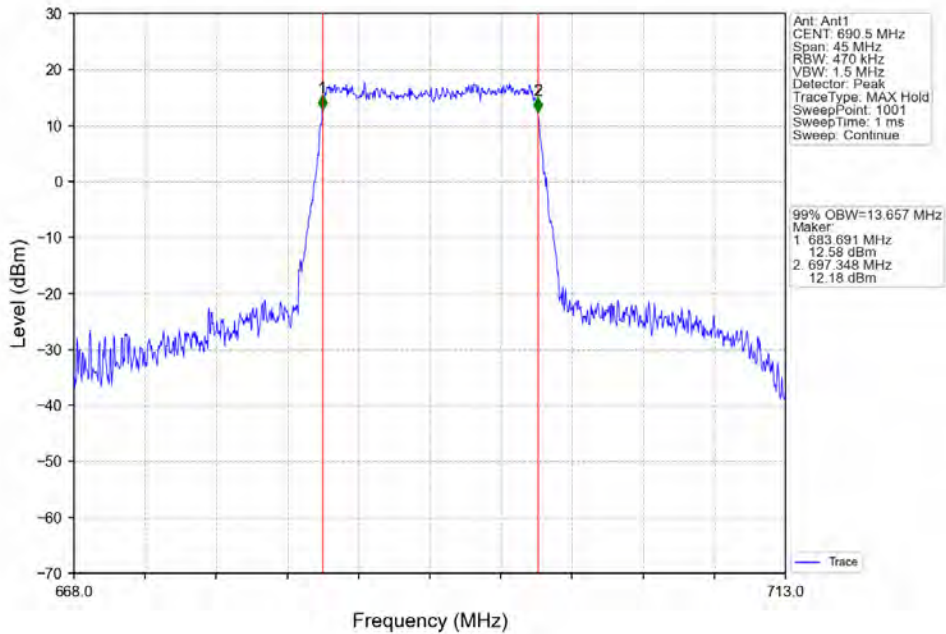
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



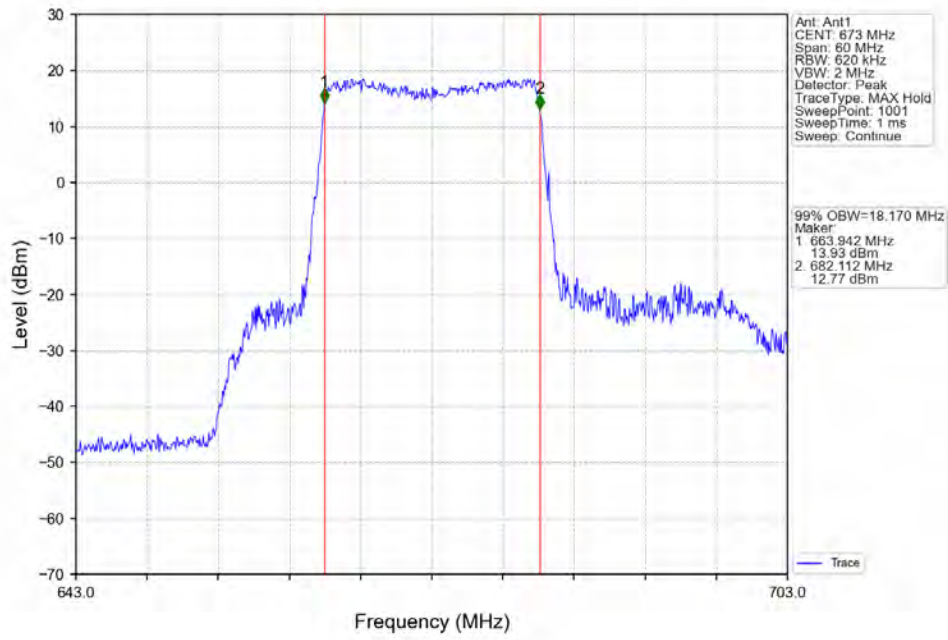
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



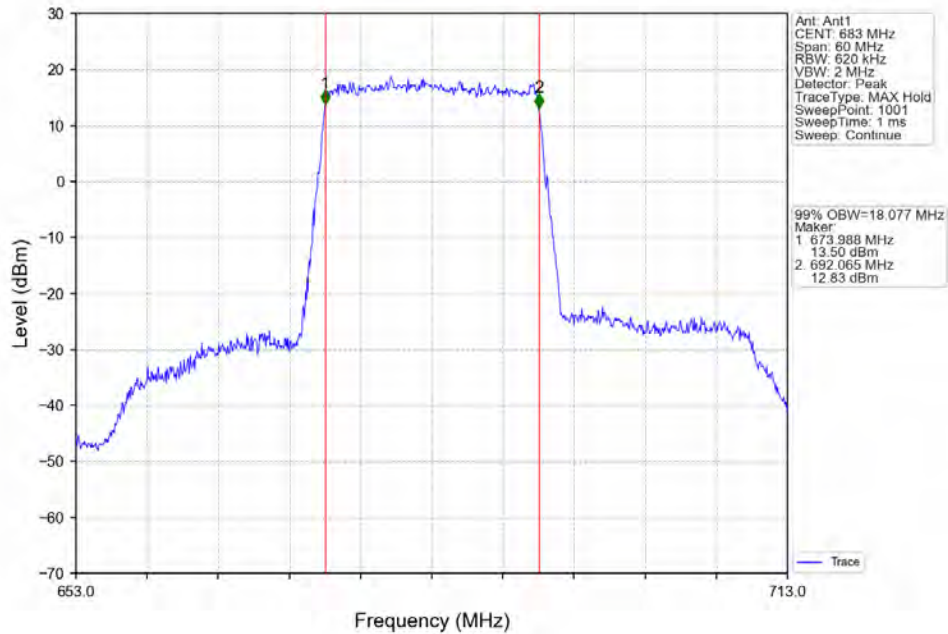
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



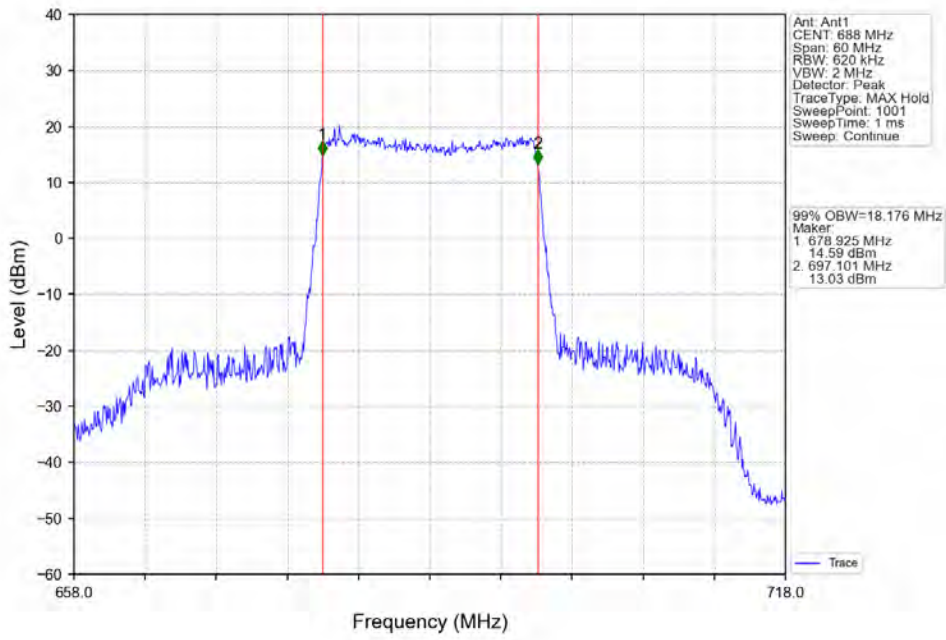
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



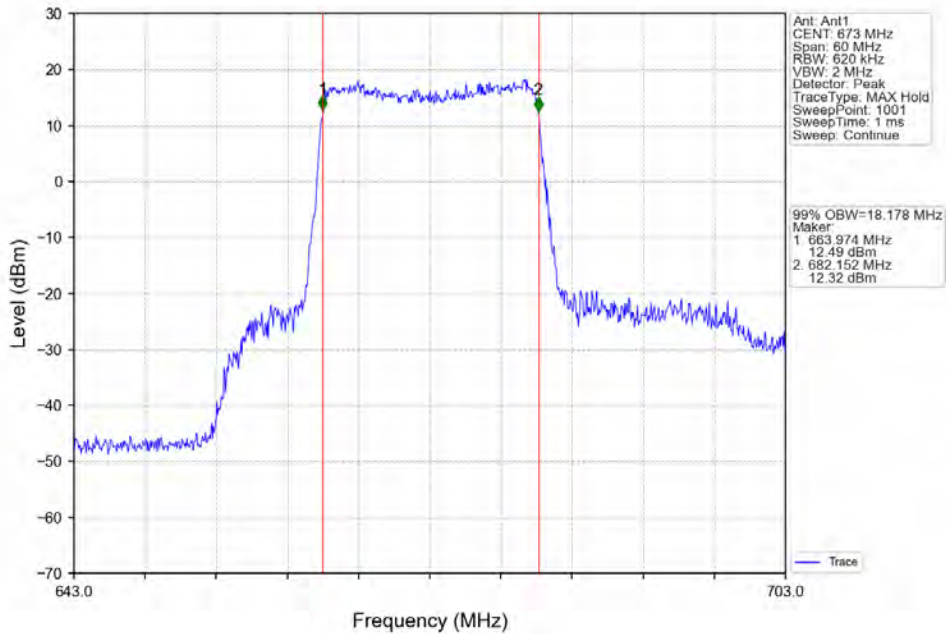
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



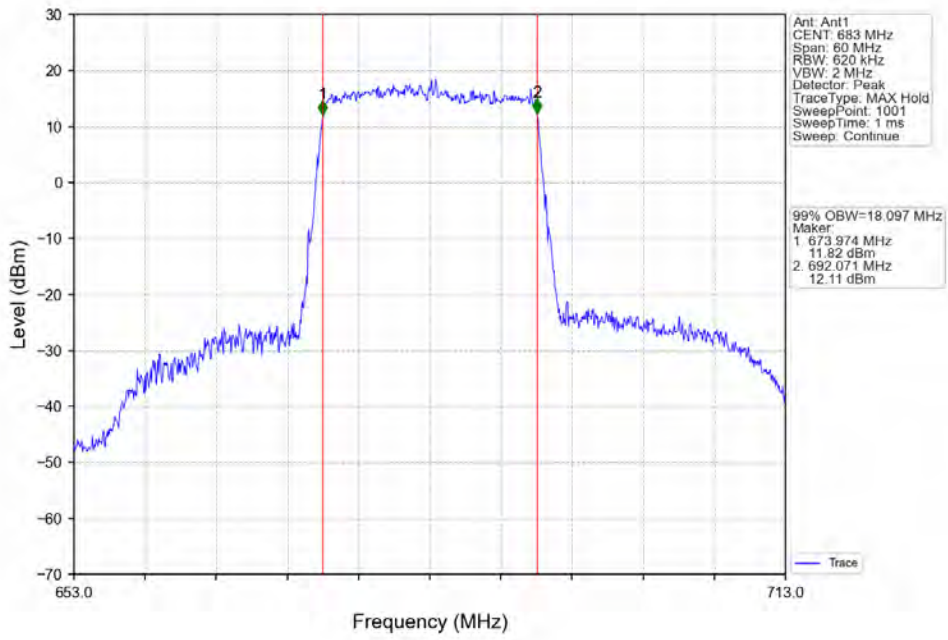
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



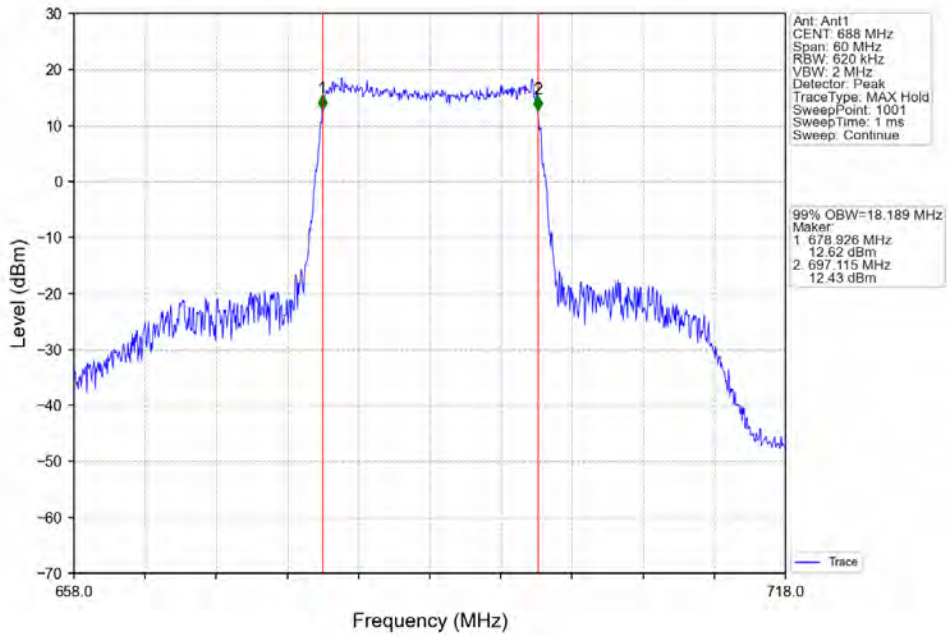
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

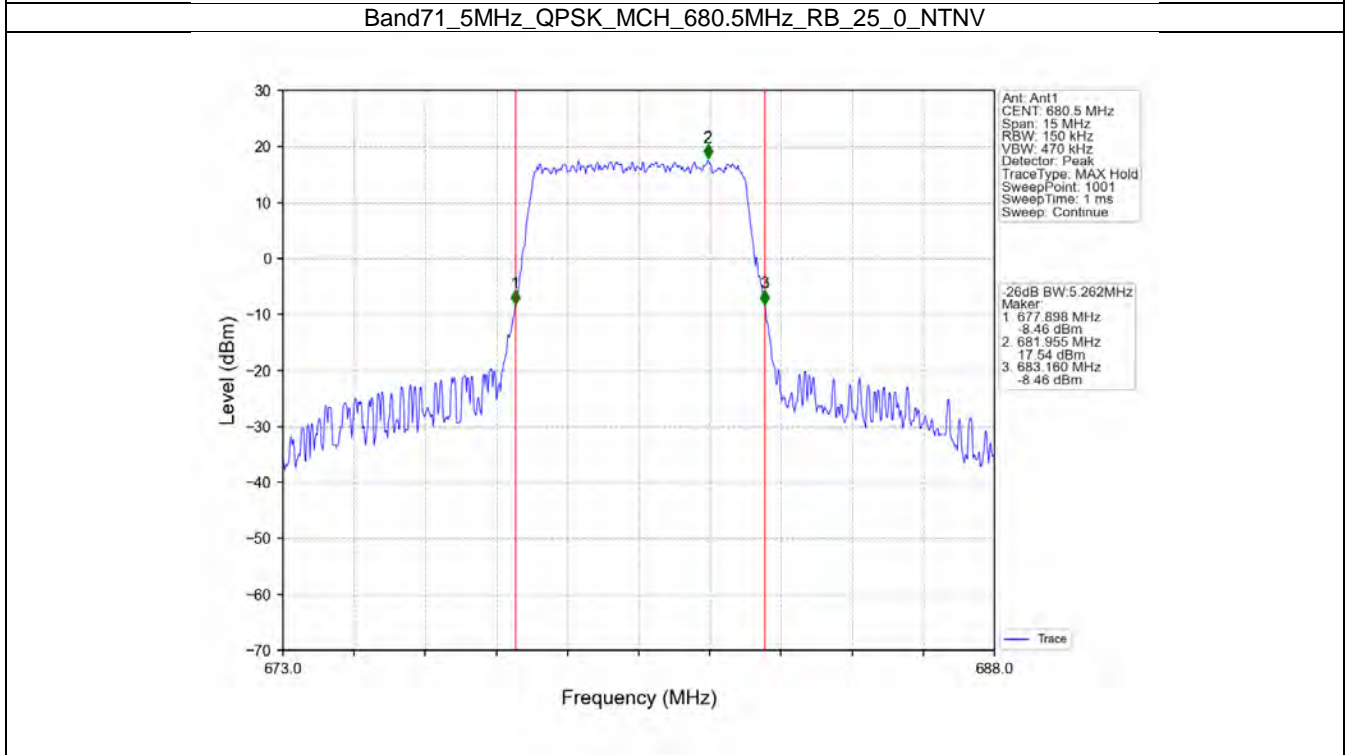
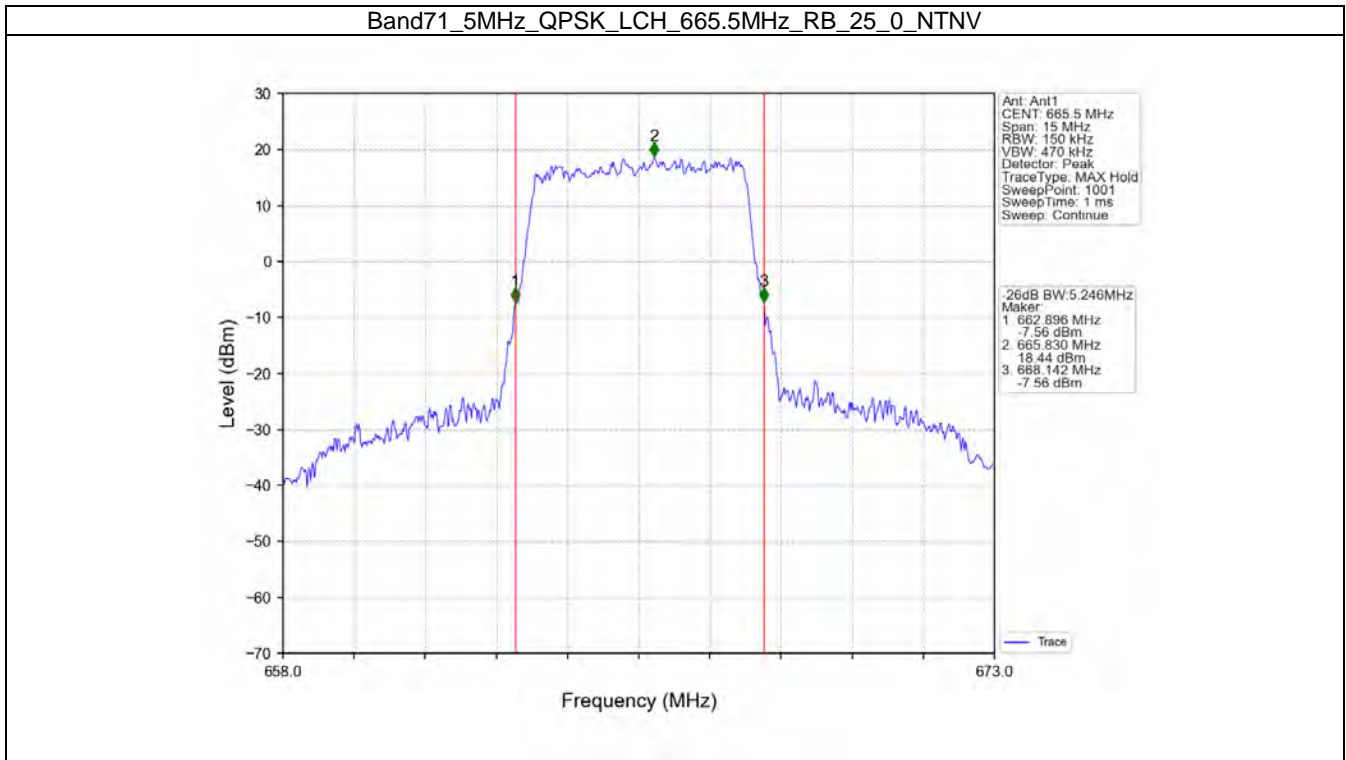


4.2 Band71_XDB

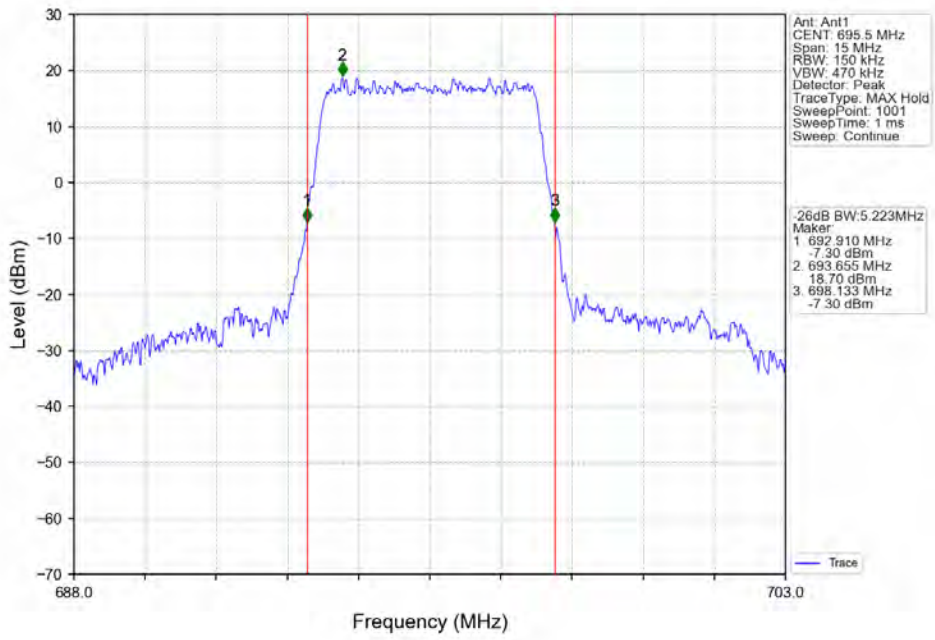
4.2.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.246	Pass
		680.5	25	0	5.262	Pass
		695.5	25	0	5.223	Pass
	16QAM	665.5	25	0	5.217	Pass
		680.5	25	0	5.268	Pass
		695.5	25	0	5.263	Pass
10	QPSK	668	50	0	10.326	Pass
		680.5	50	0	10.126	Pass
		693	50	0	10.227	Pass
	16QAM	668	50	0	10.163	Pass
		680.5	50	0	10.139	Pass
		693	50	0	10.222	Pass
15	QPSK	670.5	75	0	15.243	Pass
		680.5	75	0	15.207	Pass
		690.5	75	0	15.459	Pass
	16QAM	670.5	75	0	15.182	Pass
		680.5	75	0	15.141	Pass
		690.5	75	0	15.485	Pass
20	QPSK	673	100	0	20.252	Pass
		683	100	0	20.151	Pass
		688	100	0	19.890	Pass
	16QAM	673	100	0	20.119	Pass
		683	100	0	19.799	Pass
		688	100	0	20.057	Pass

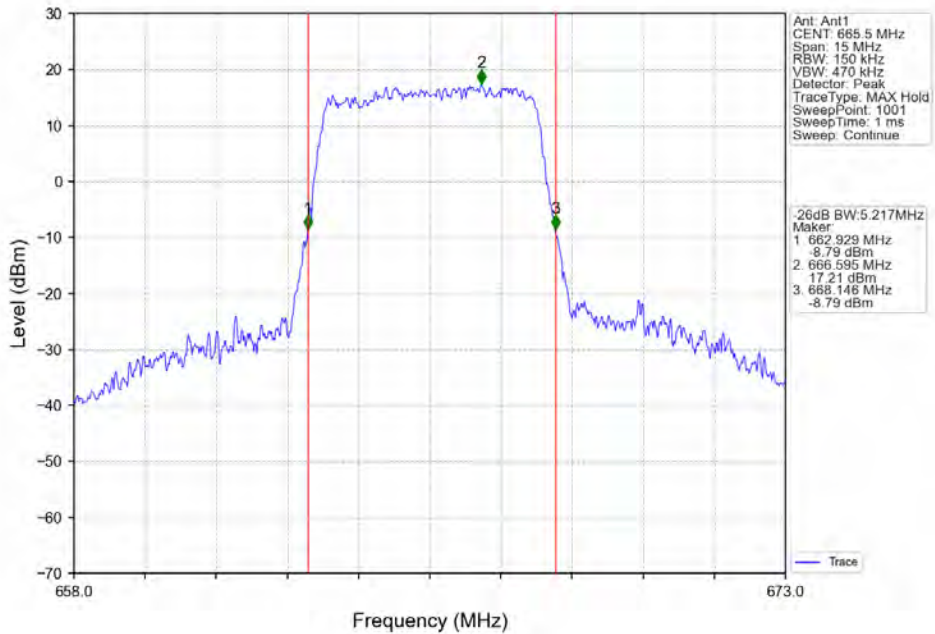
4.2.2 Test Graph



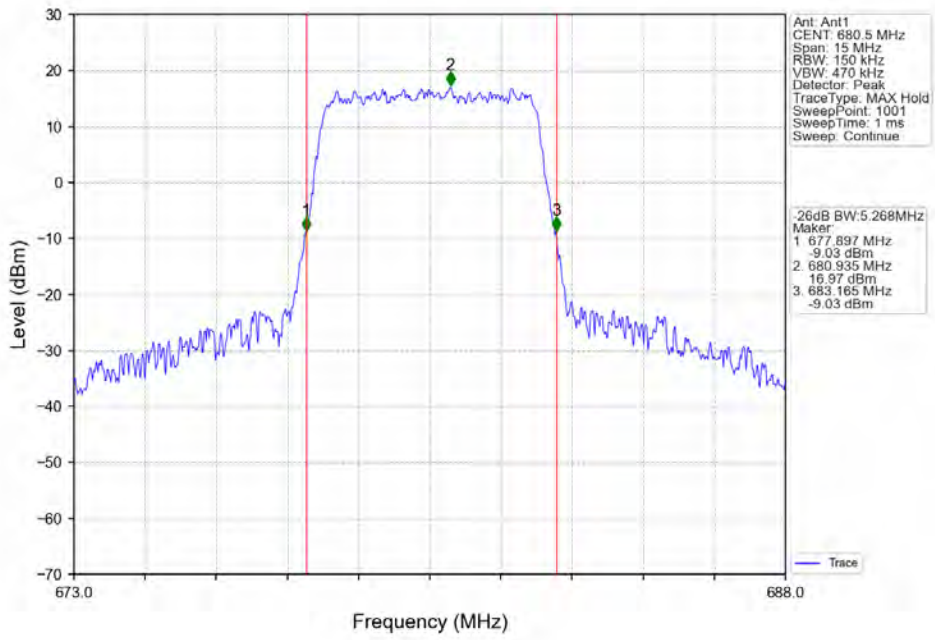
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



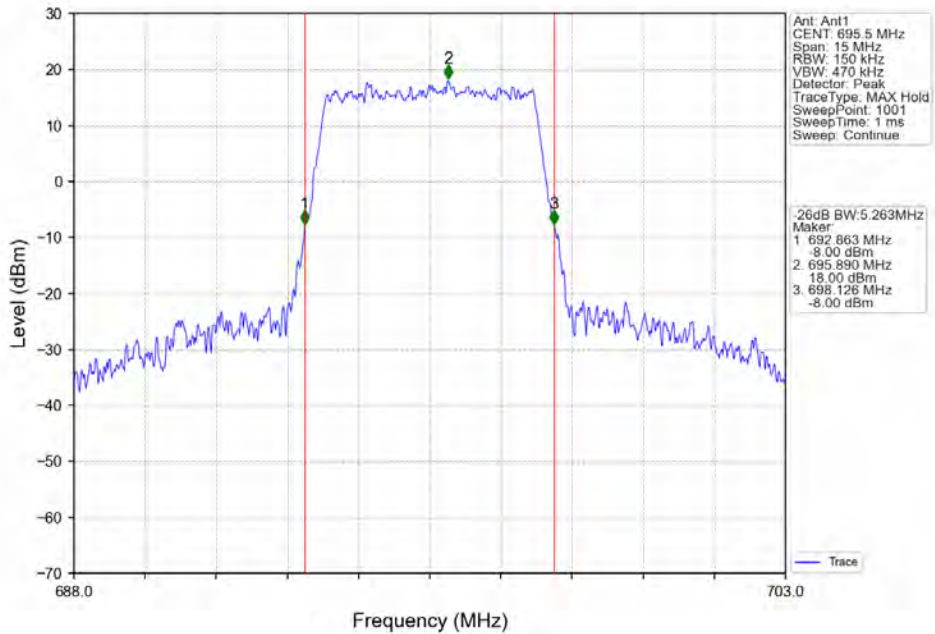
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



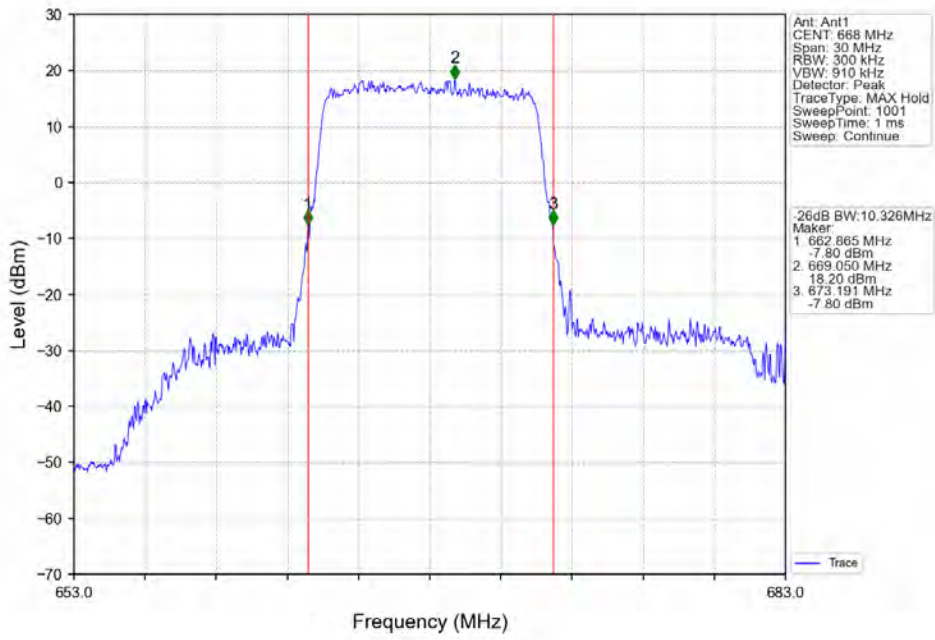
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



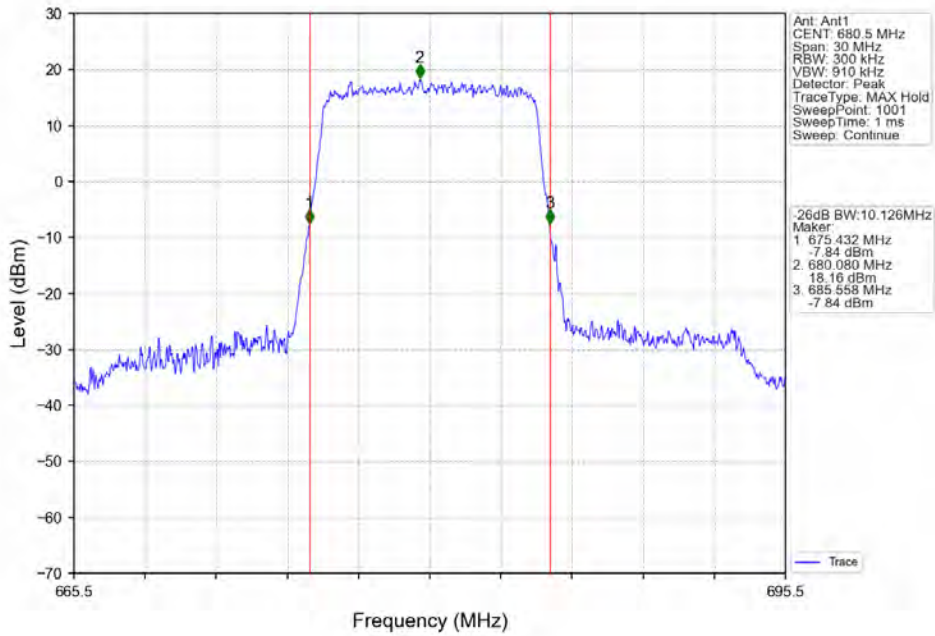
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



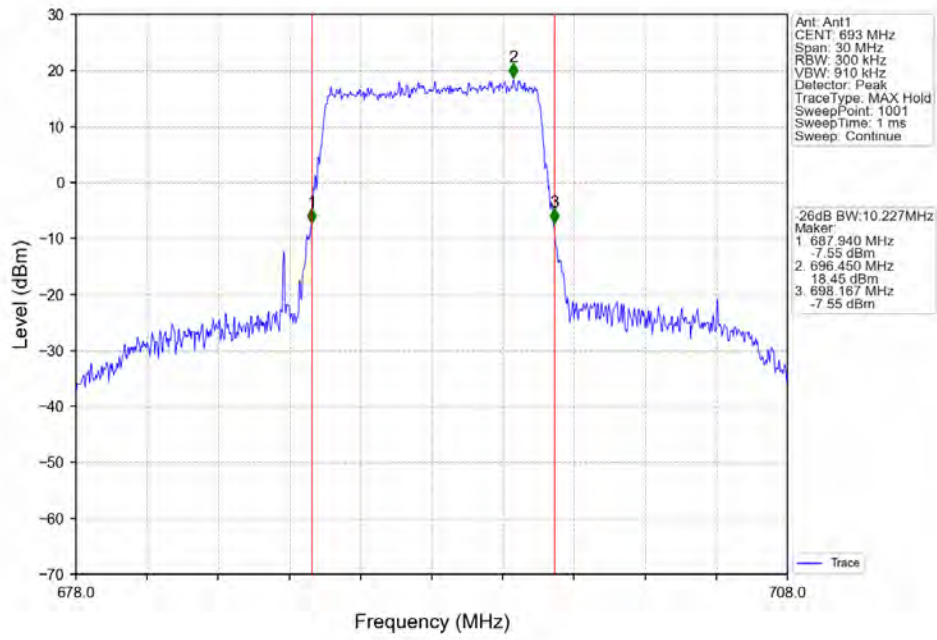
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



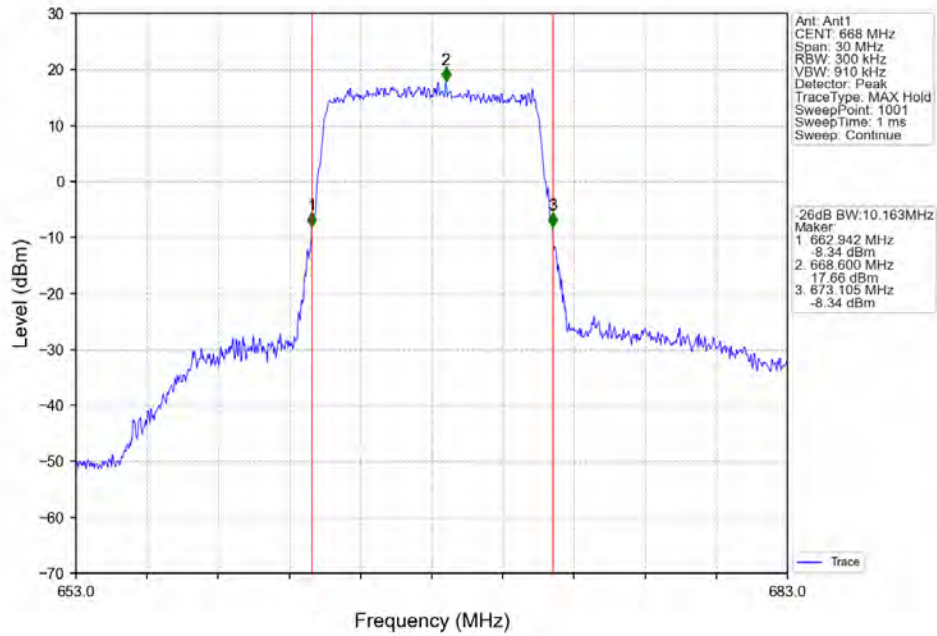
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



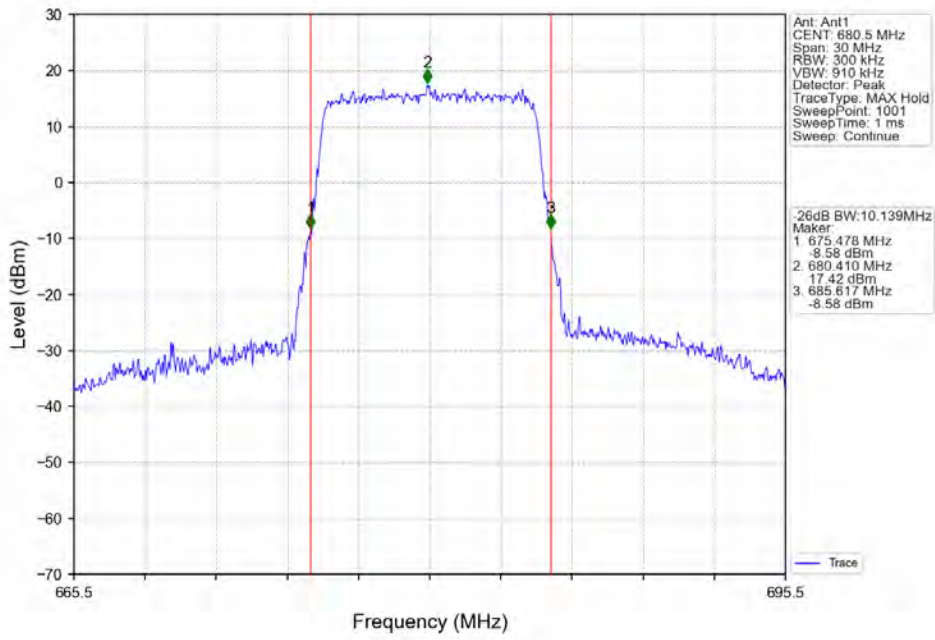
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



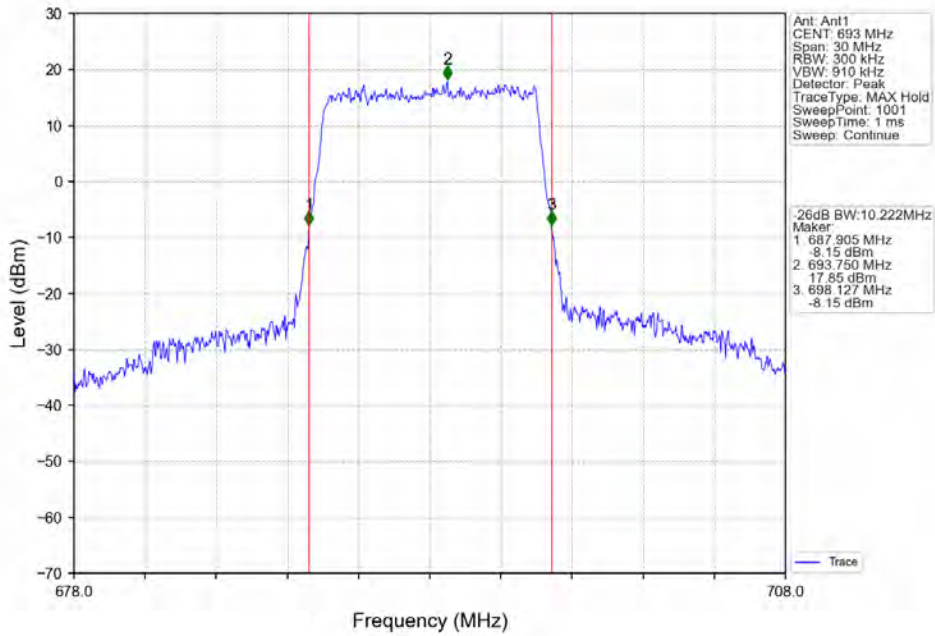
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



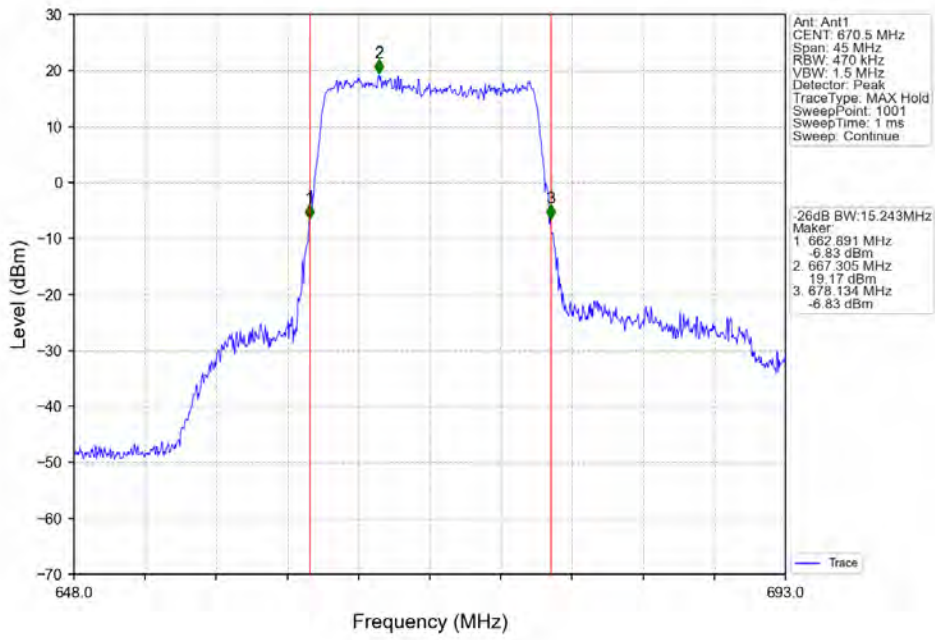
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



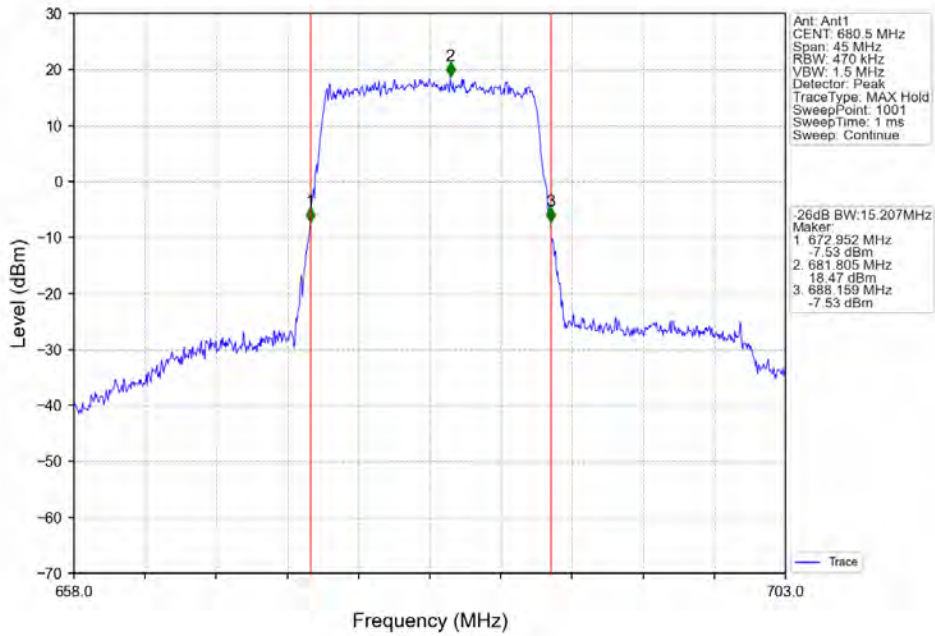
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



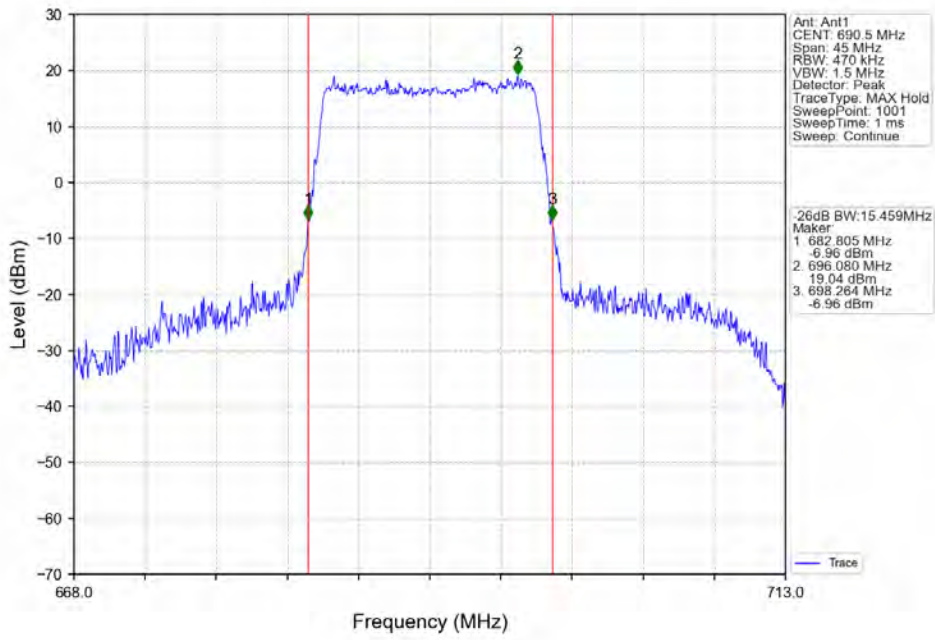
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



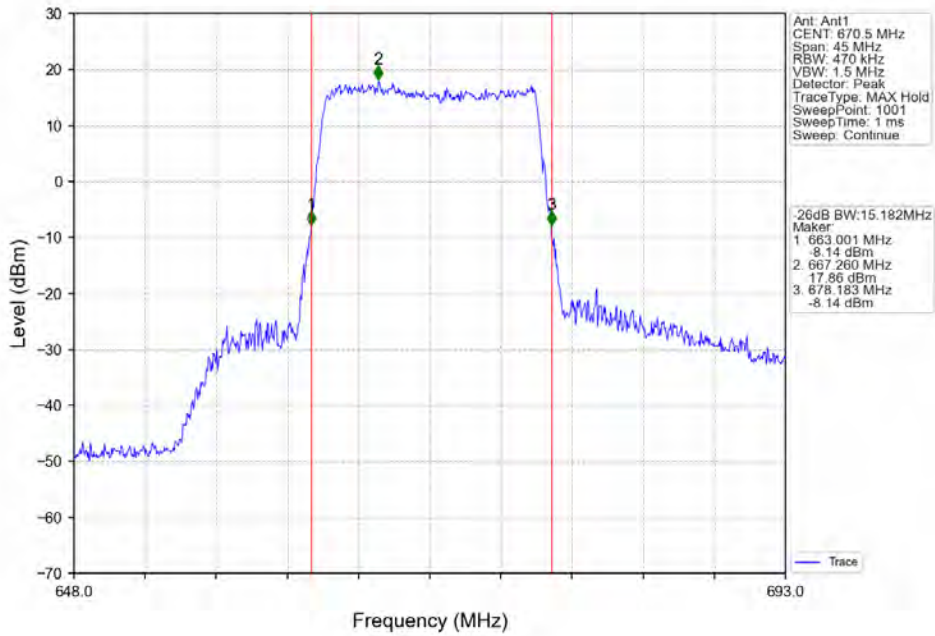
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



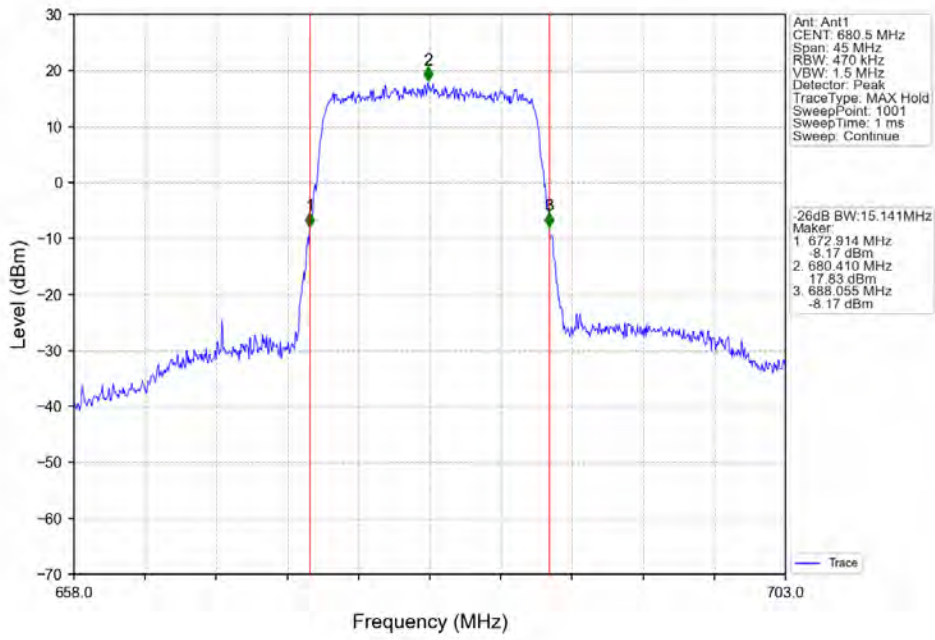
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



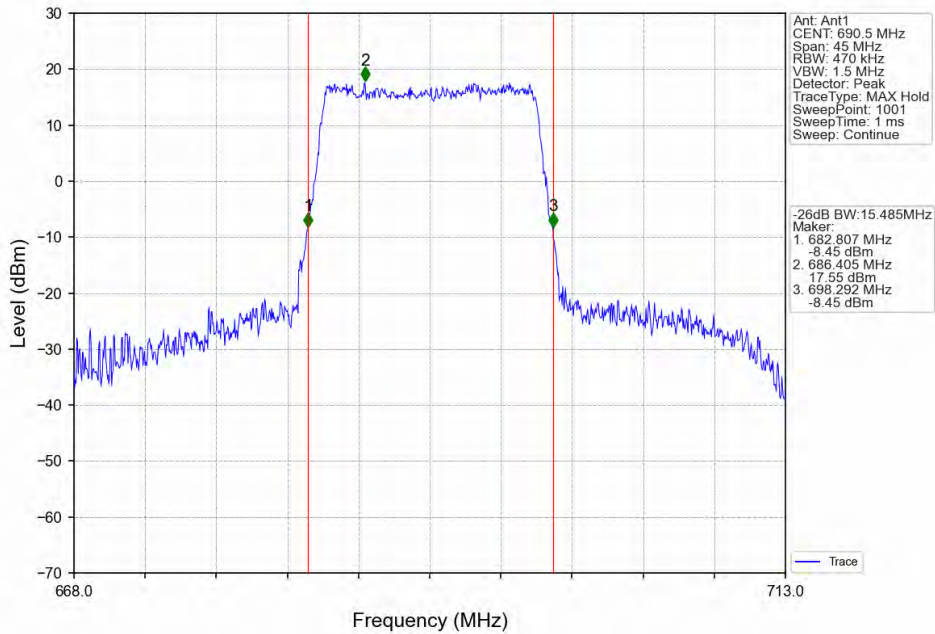
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



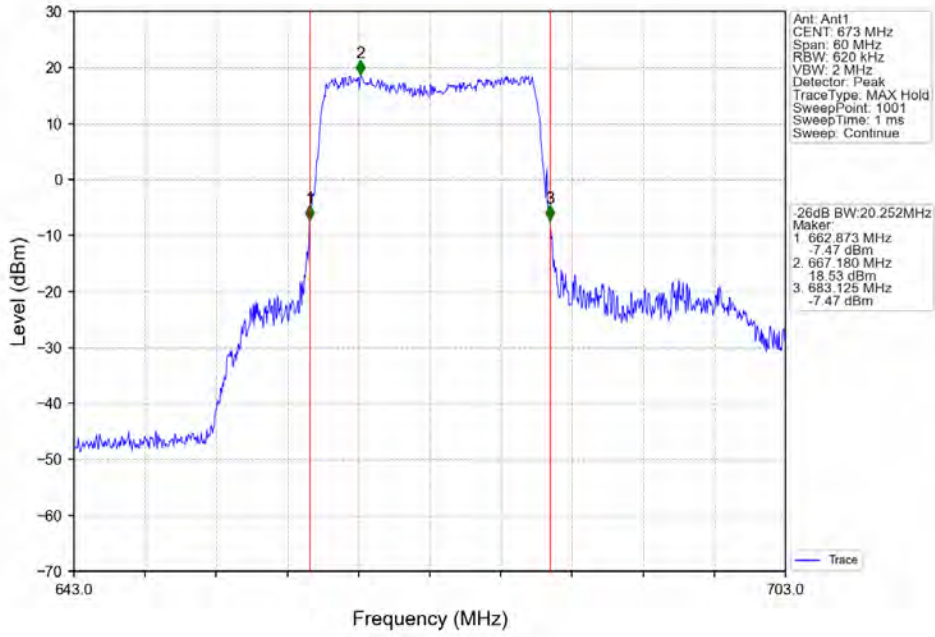
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



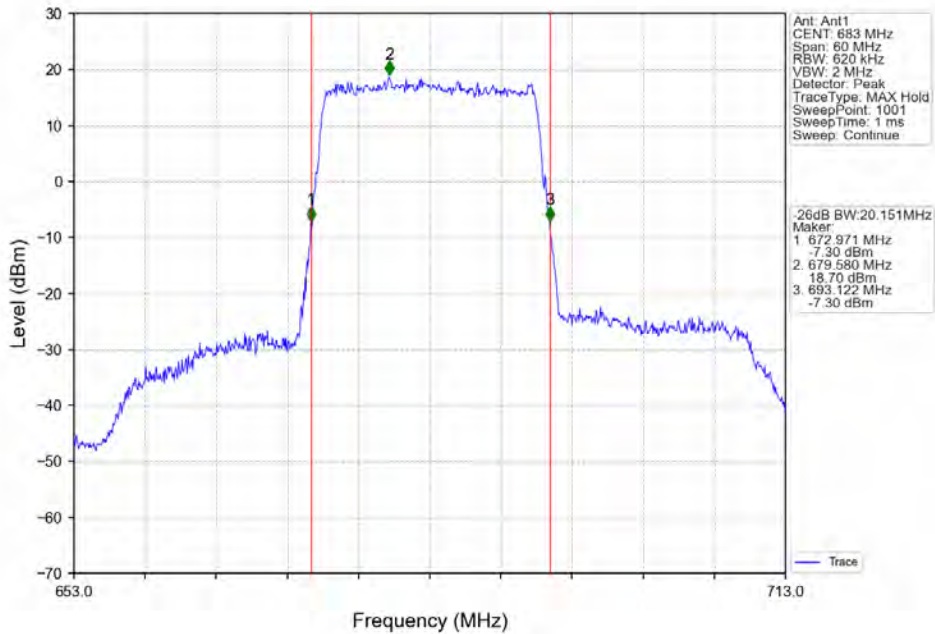
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



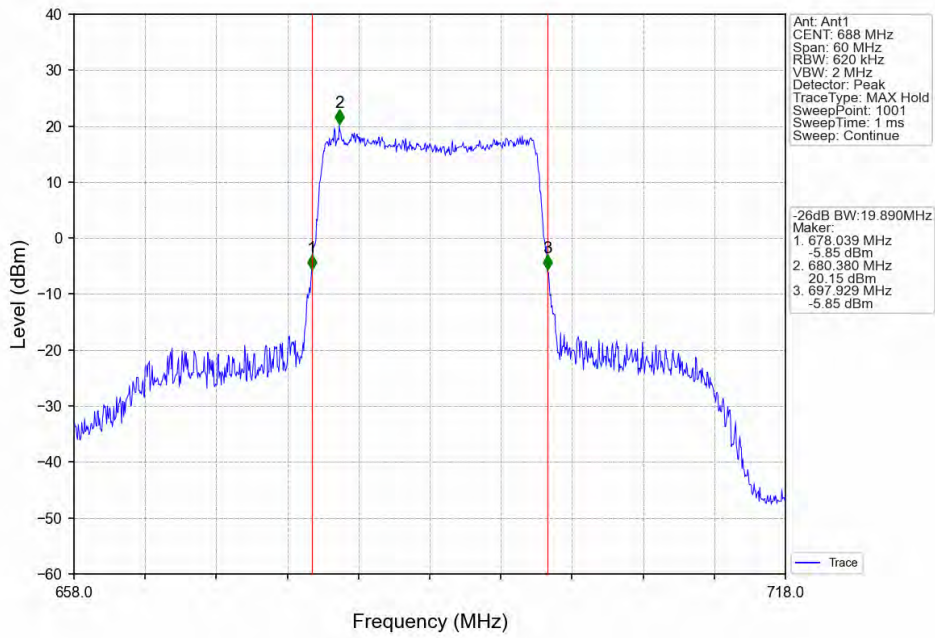
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



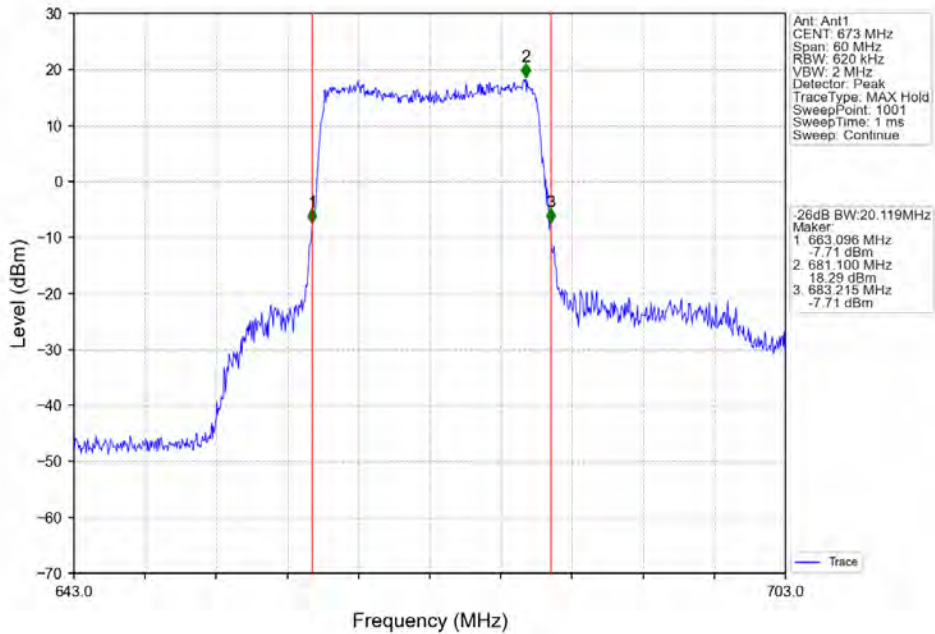
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



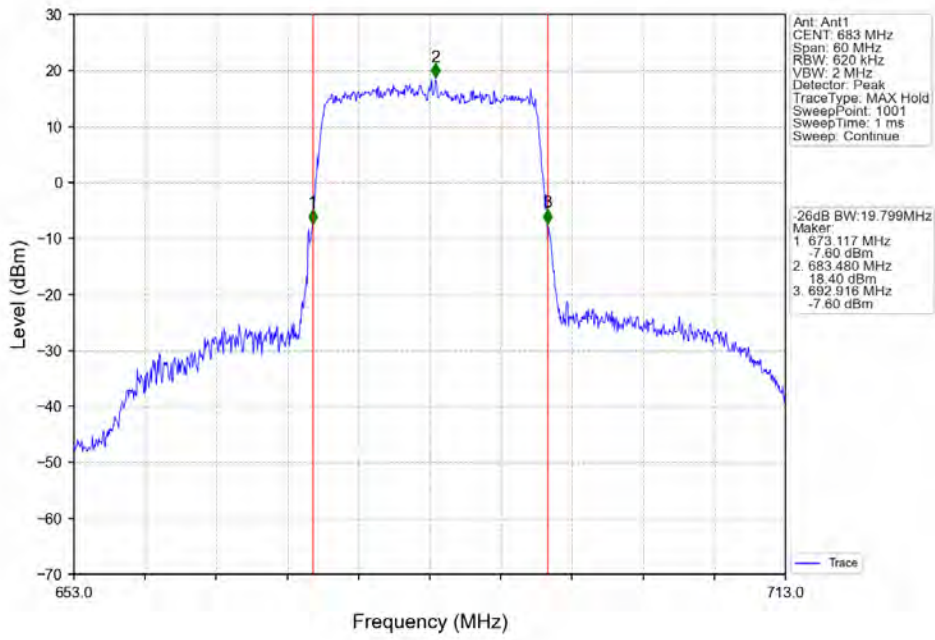
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



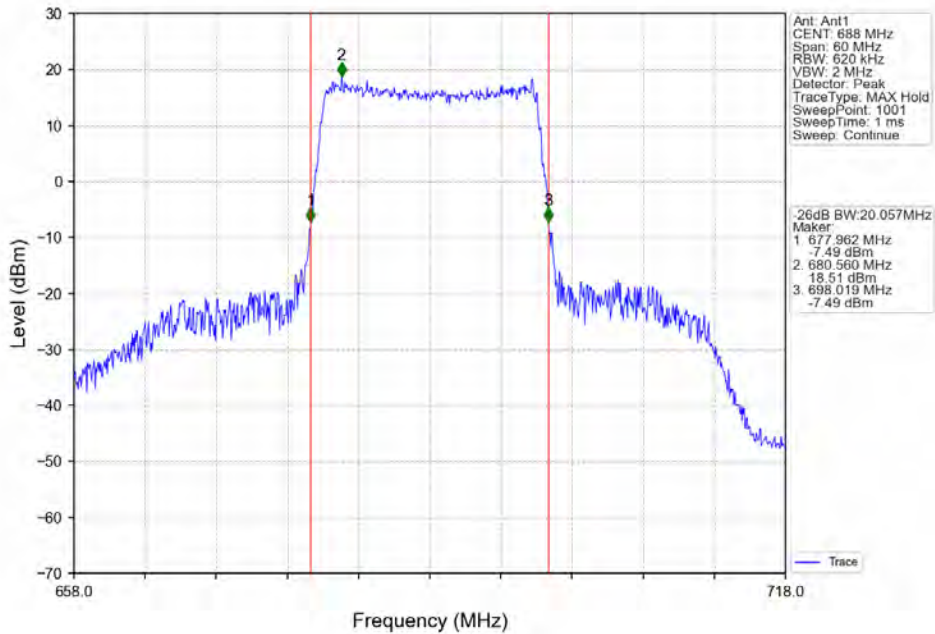
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



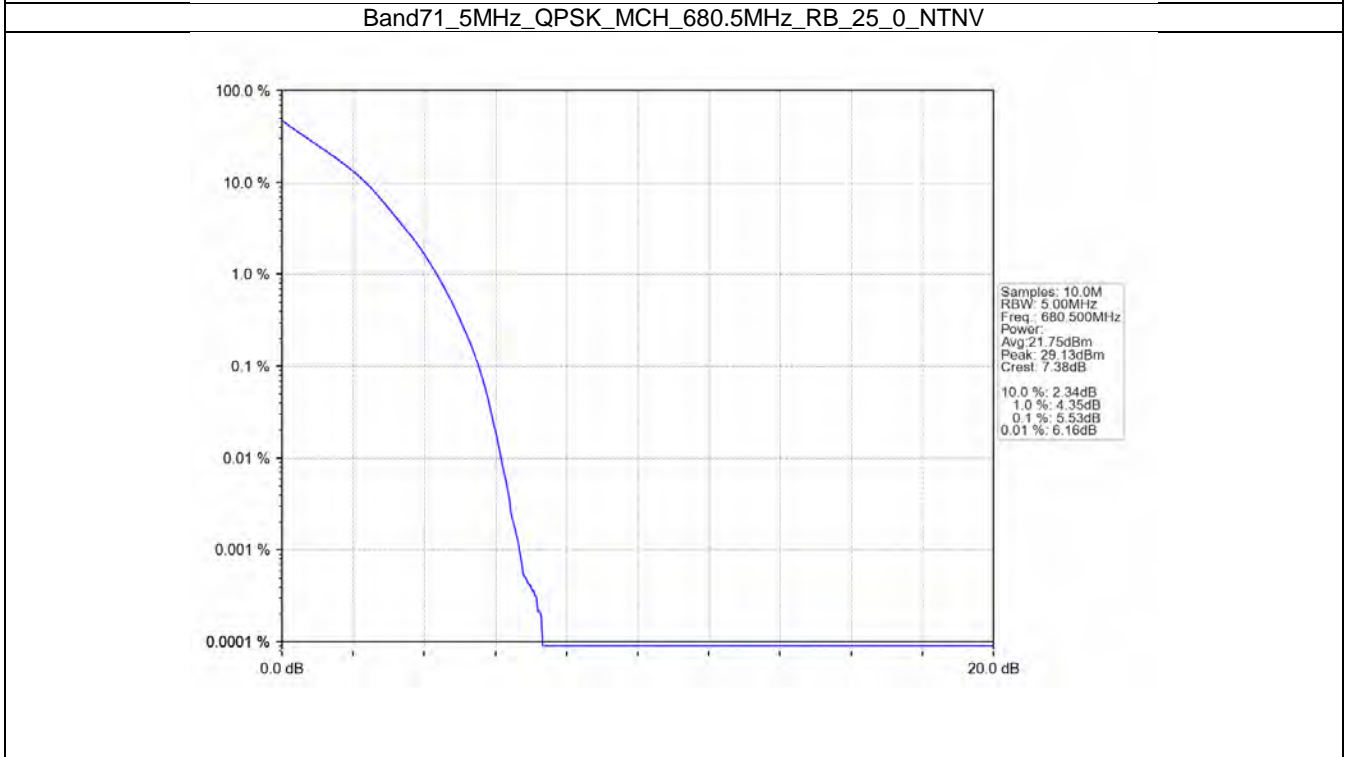
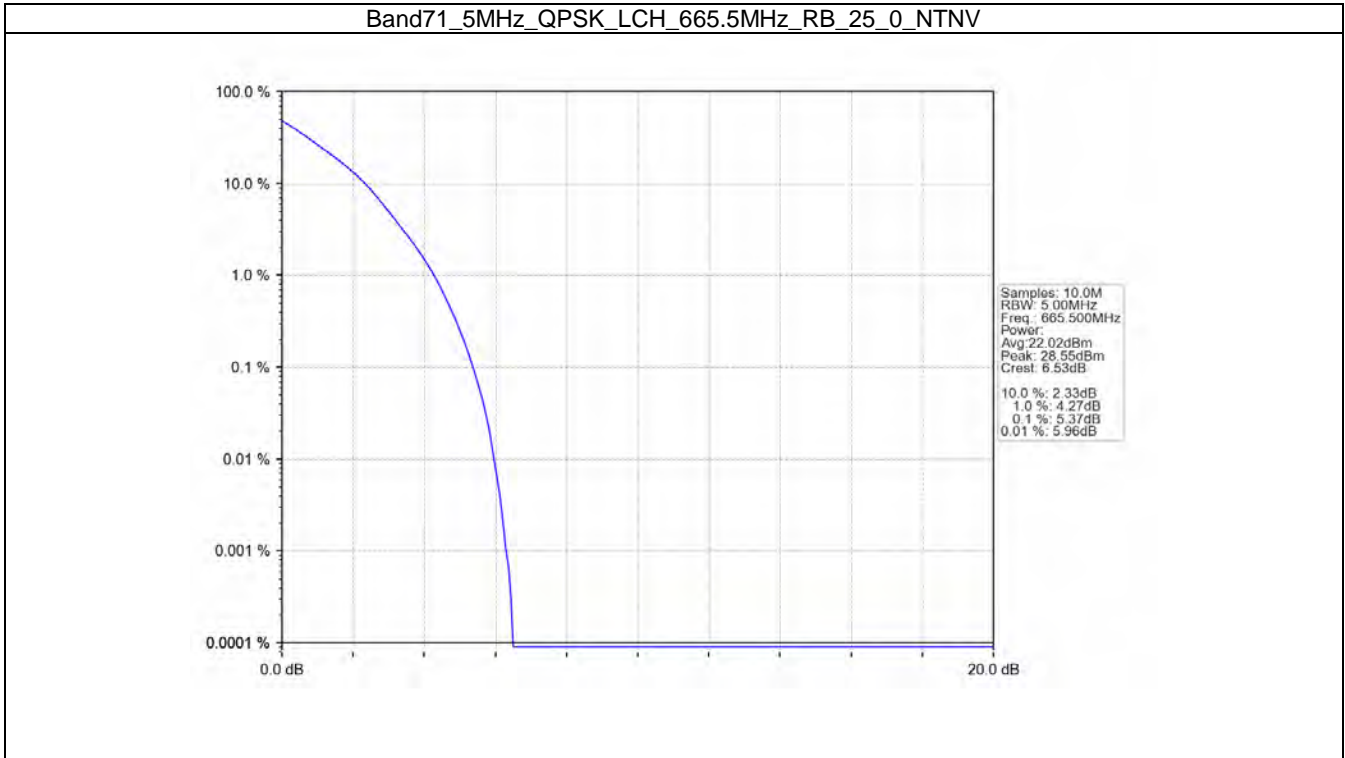
5. Peak-Average Ratio

5.1 B71_5MHz

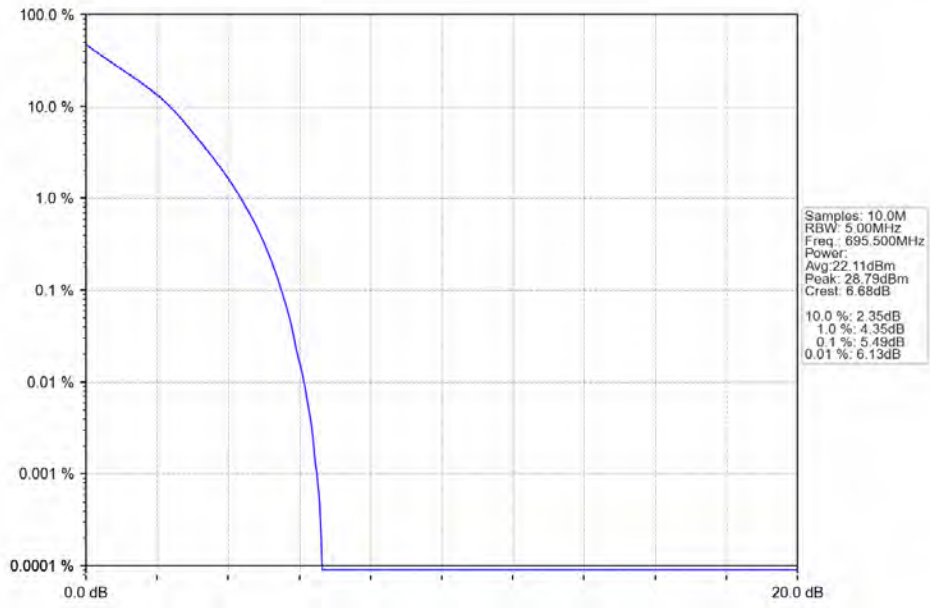
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.37	<=13	Pass
	680.5	25	0	5.53	<=13	Pass
	695.5	25	0	5.49	<=13	Pass
16QAM	665.5	25	0	6.14	<=13	Pass
	680.5	25	0	6.22	<=13	Pass
	695.5	25	0	6.17	<=13	Pass

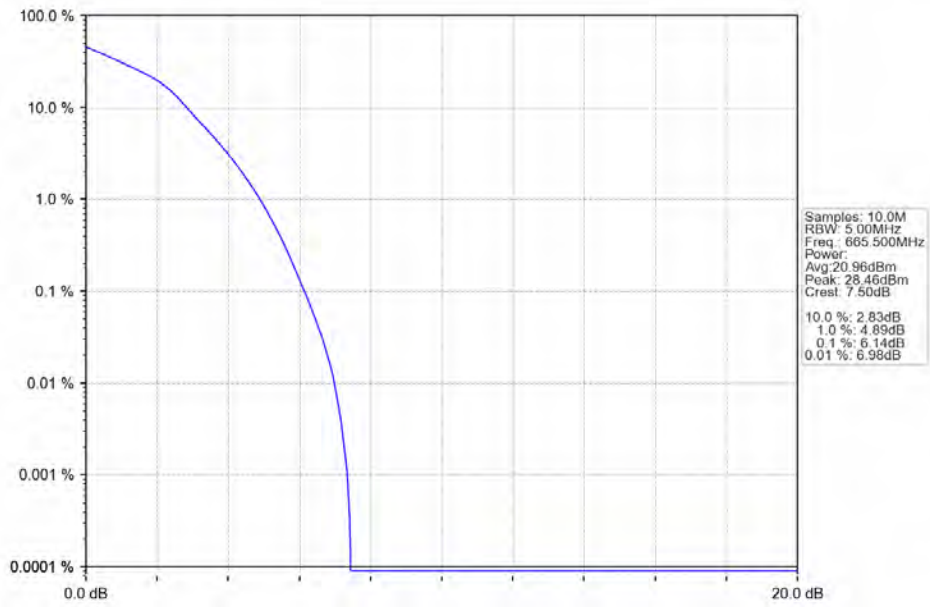
5.1.2 Test Graph



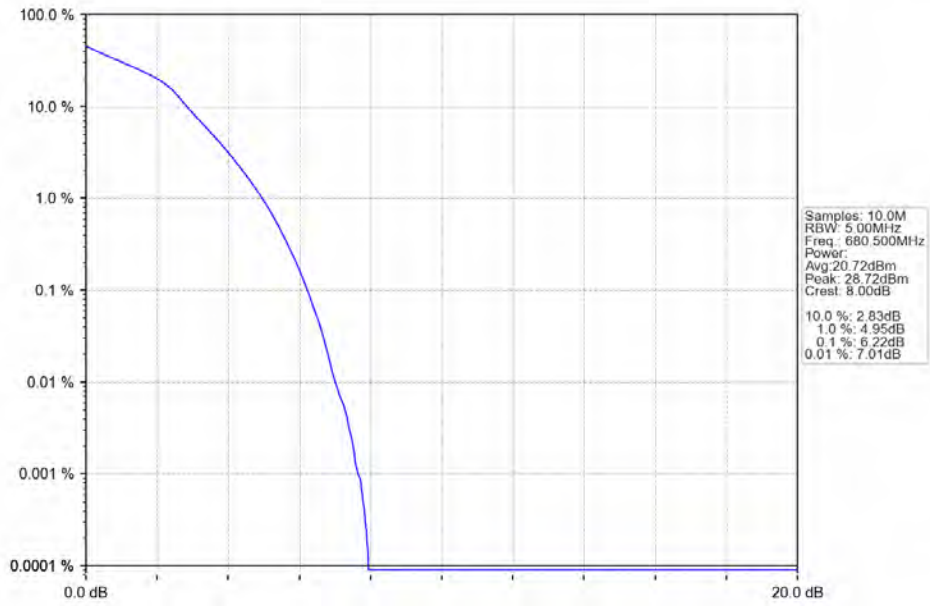
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



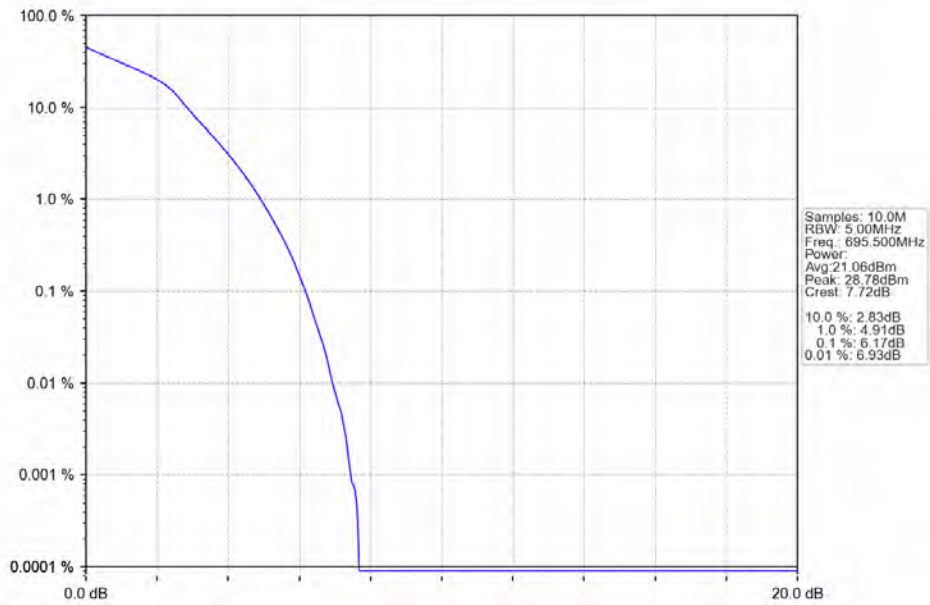
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



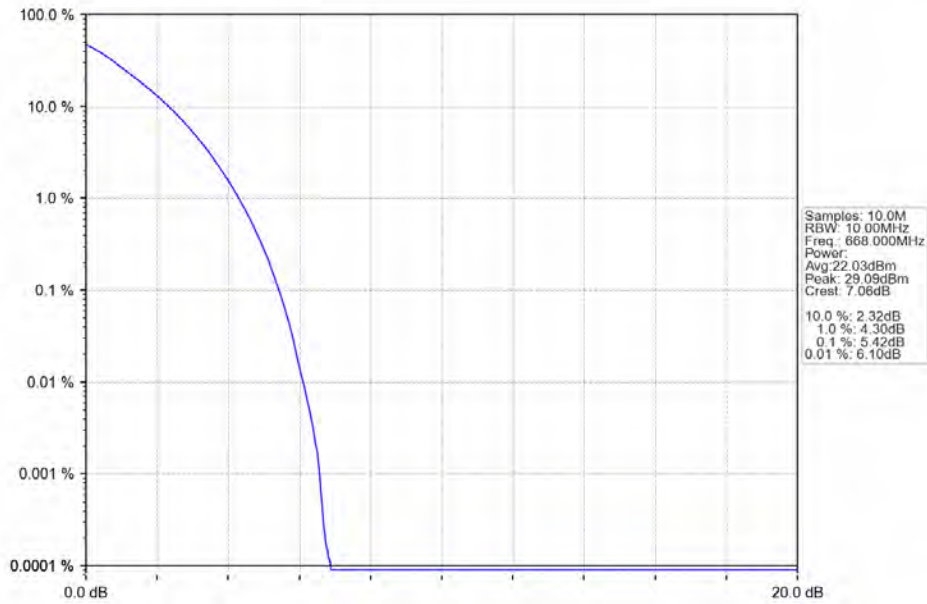
5.2 B71_10MHz

5.2.1 Test Result

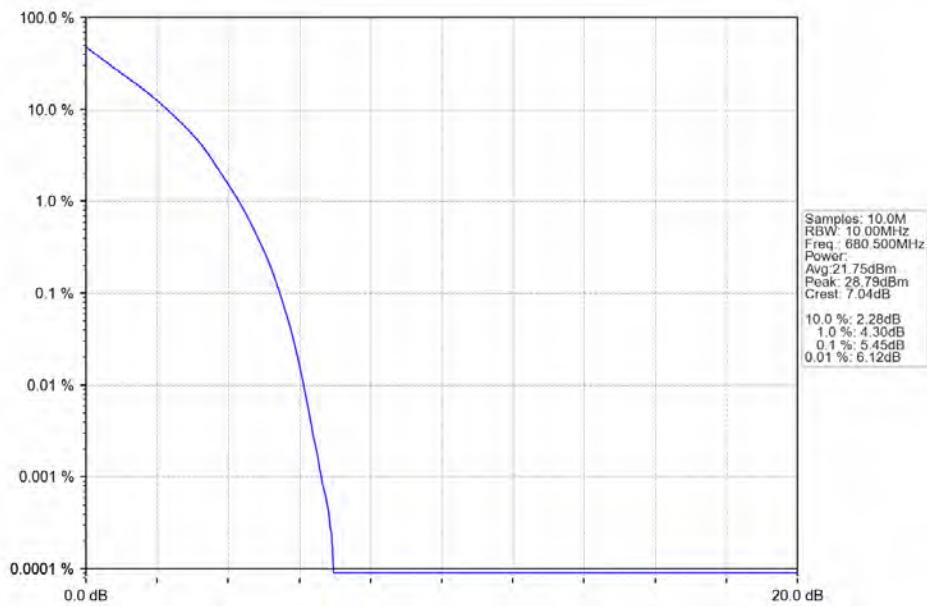
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.42	<=13	Pass
	680.5	50	0	5.45	<=13	Pass
	693	50	0	5.55	<=13	Pass
16QAM	668	50	0	6.22	<=13	Pass
	680.5	50	0	6.25	<=13	Pass
	693	50	0	6.26	<=13	Pass

5.2.2 Test Graph

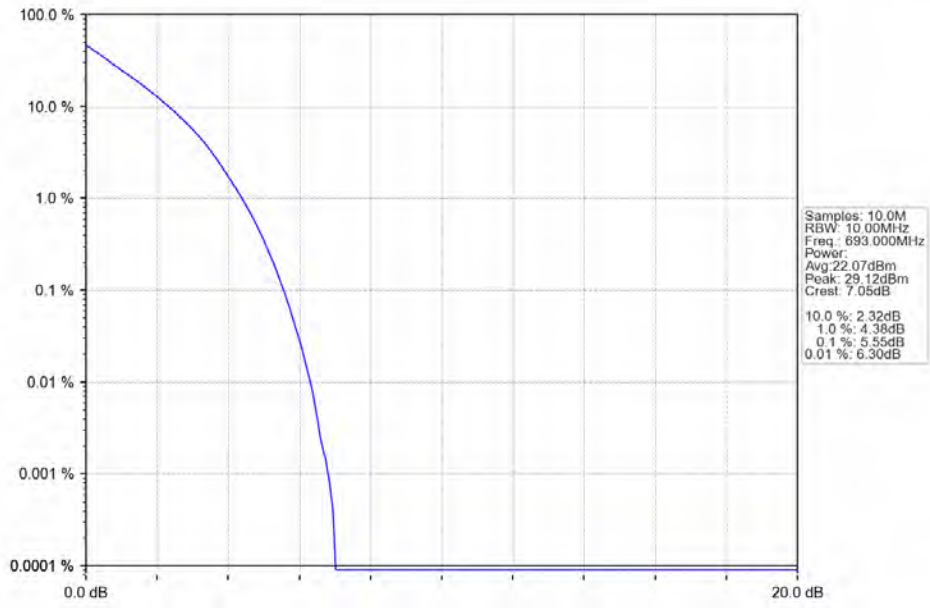
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



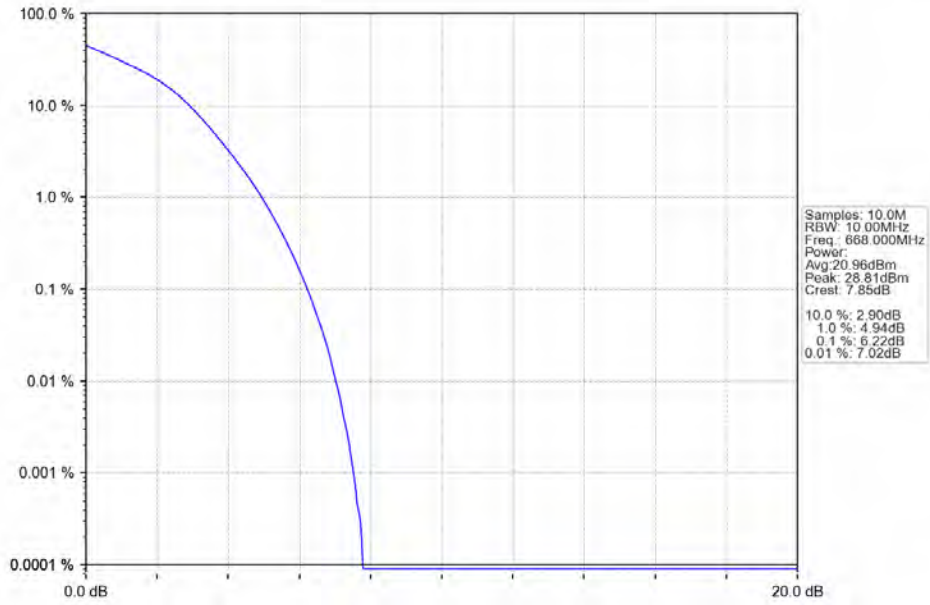
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



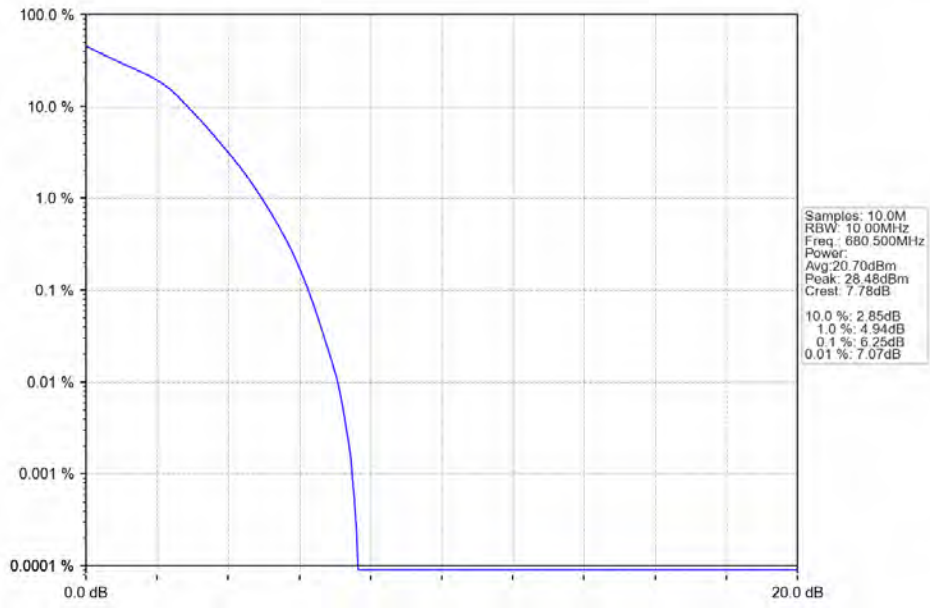
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



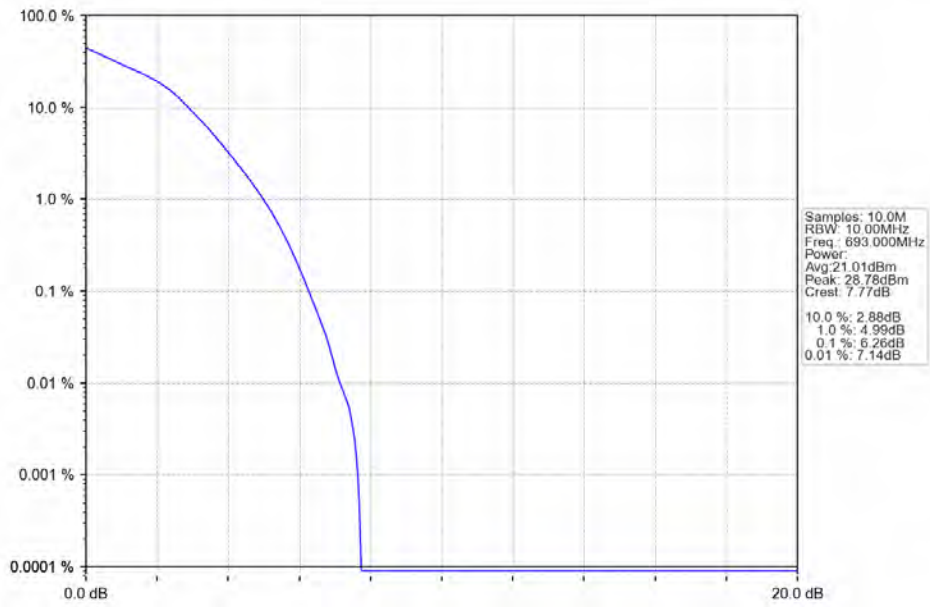
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

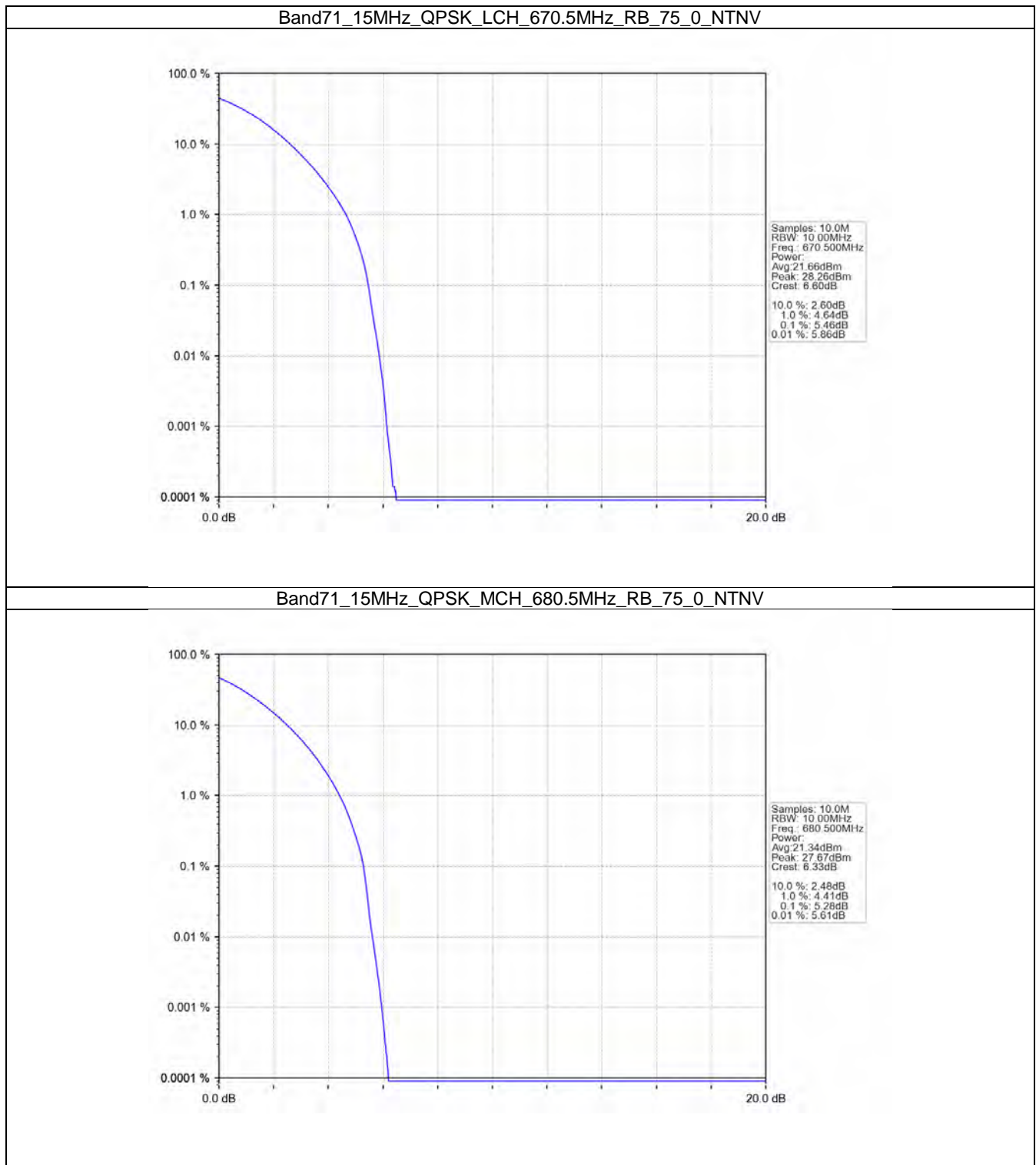


5.3 B71_15MHz

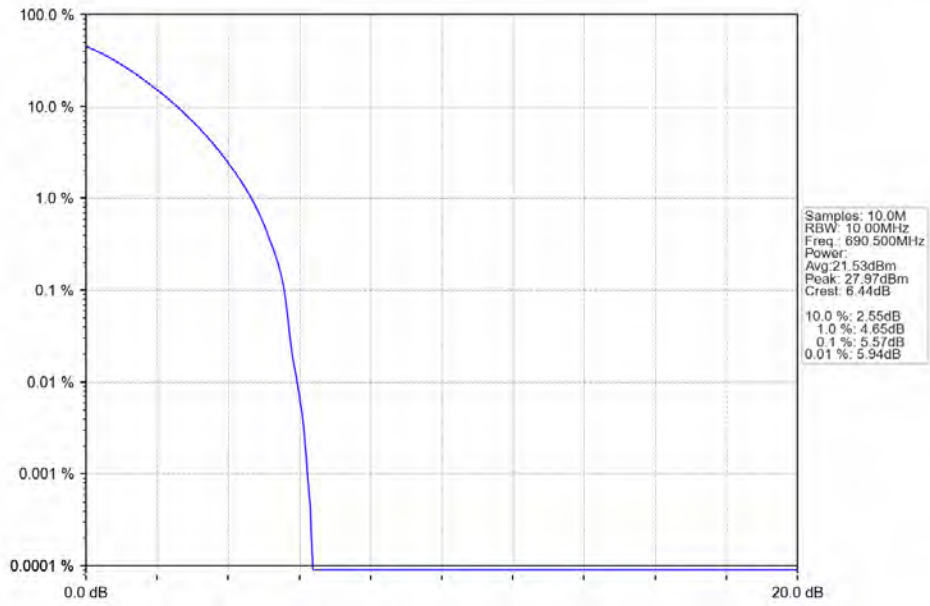
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.46	<=13	Pass
	680.5	75	0	5.28	<=13	Pass
	690.5	75	0	5.57	<=13	Pass
16QAM	670.5	75	0	6.22	<=13	Pass
	680.5	75	0	6.07	<=13	Pass
	690.5	75	0	6.22	<=13	Pass

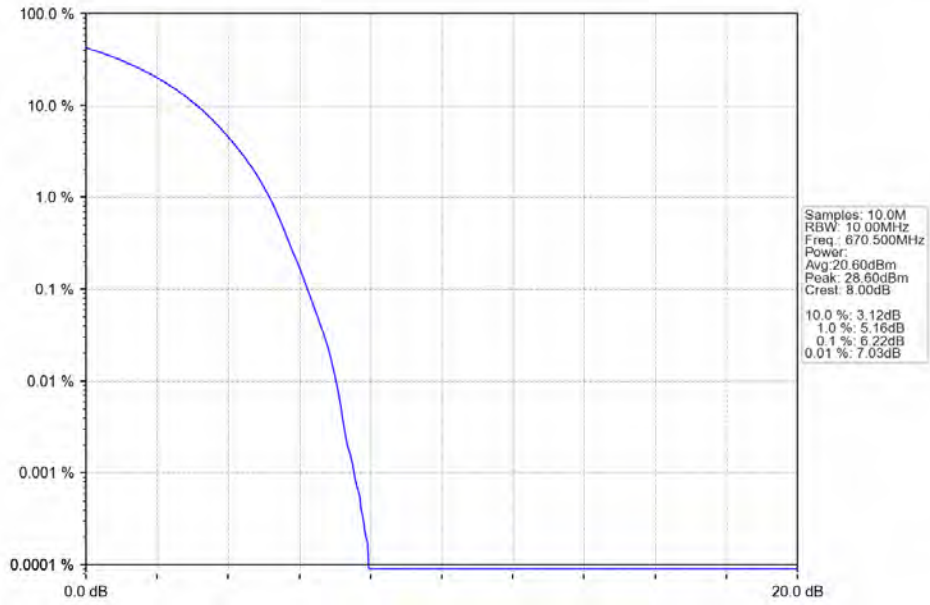
5.3.2 Test Graph



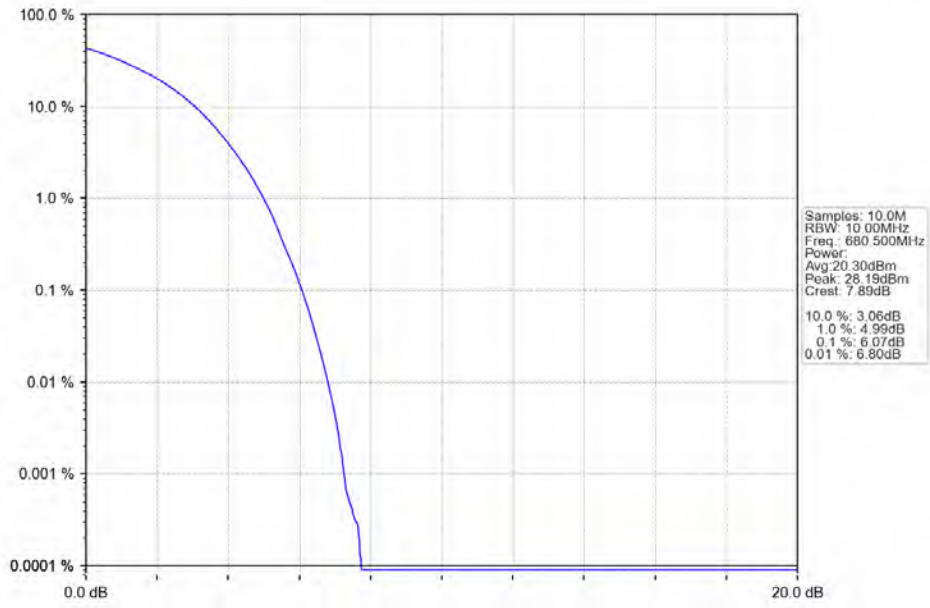
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



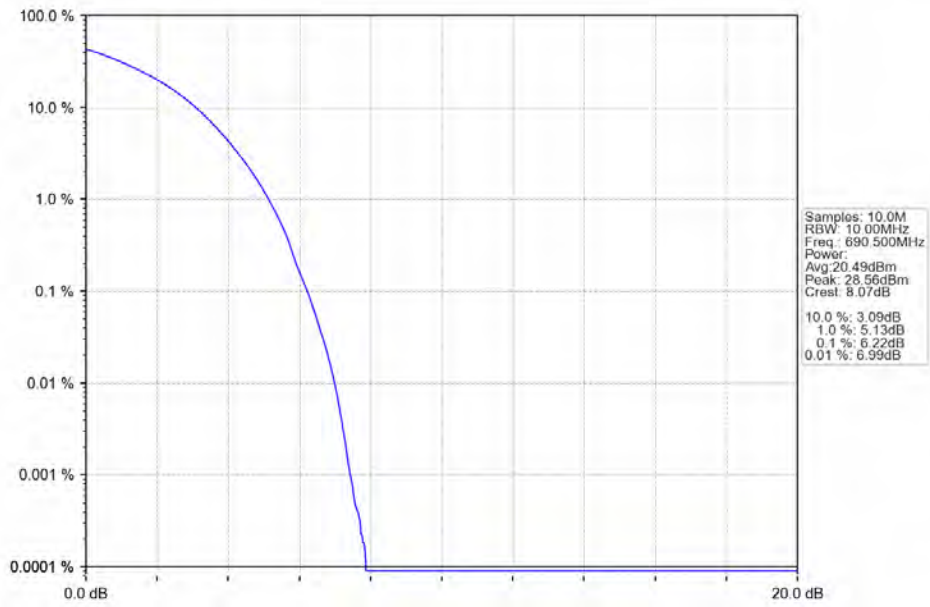
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

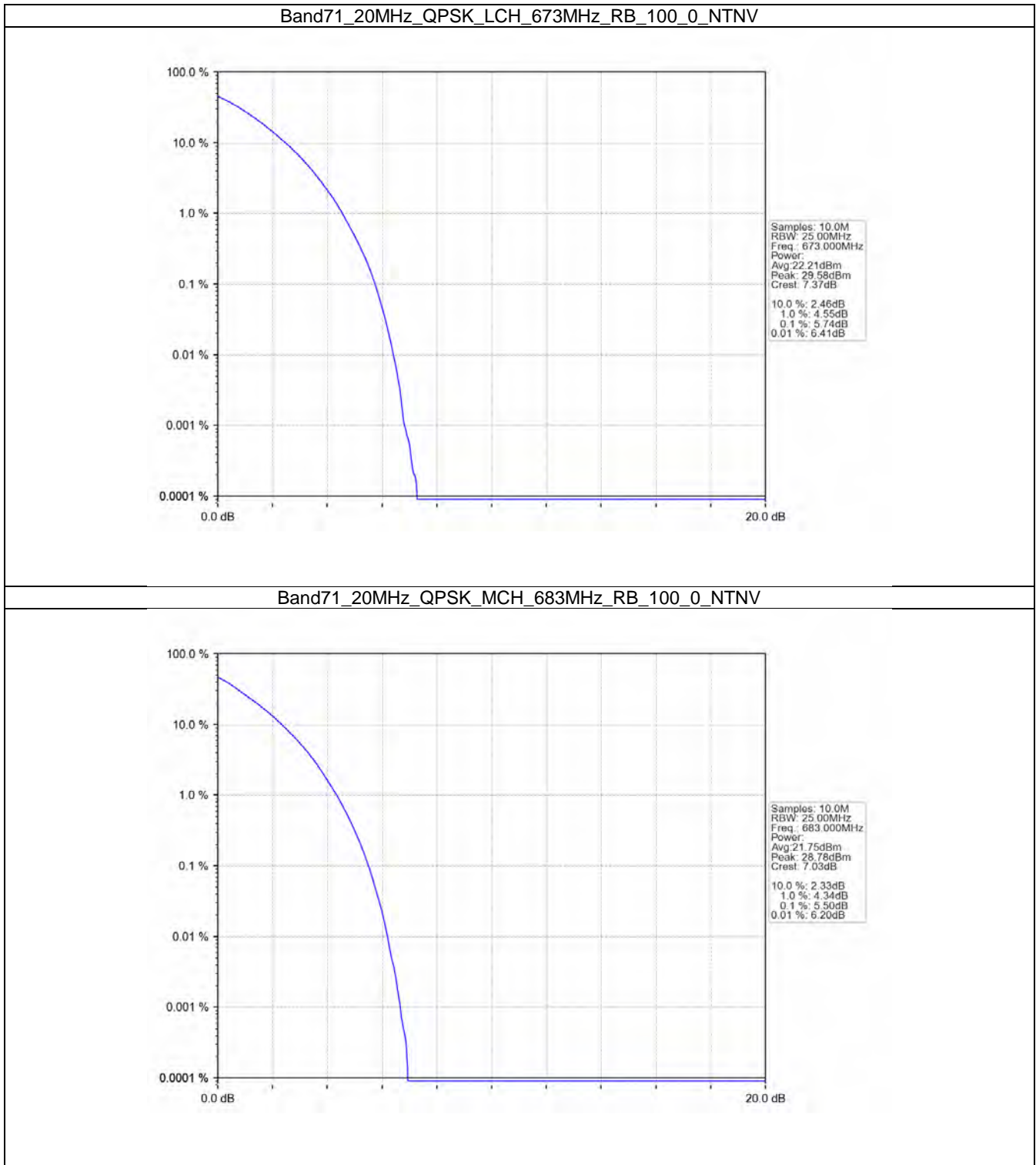


5.4 B71_20MHz

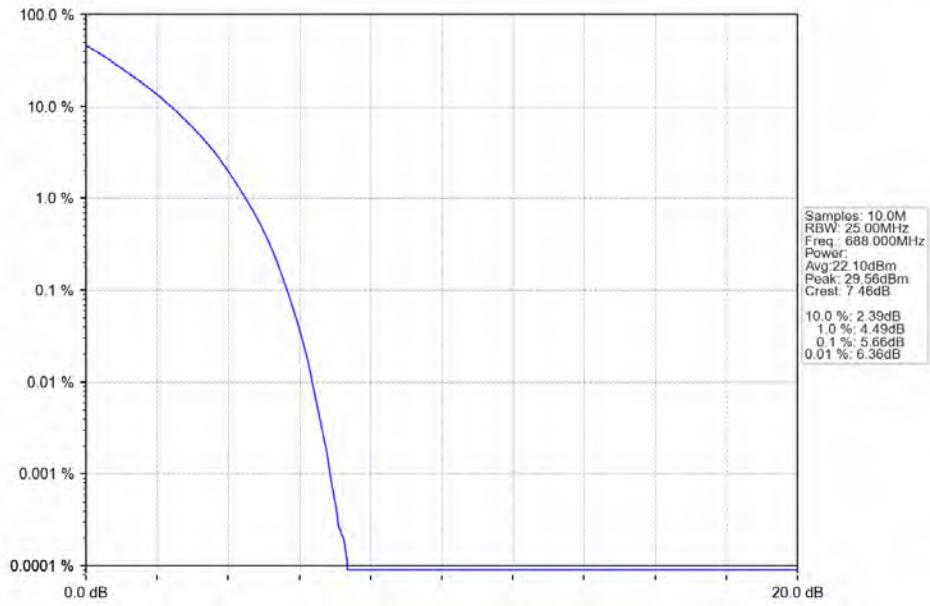
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.74	<=13	Pass
	683	100	0	5.50	<=13	Pass
	688	100	0	5.66	<=13	Pass
16QAM	673	100	0	6.40	<=13	Pass
	683	100	0	6.27	<=13	Pass
	688	100	0	6.39	<=13	Pass

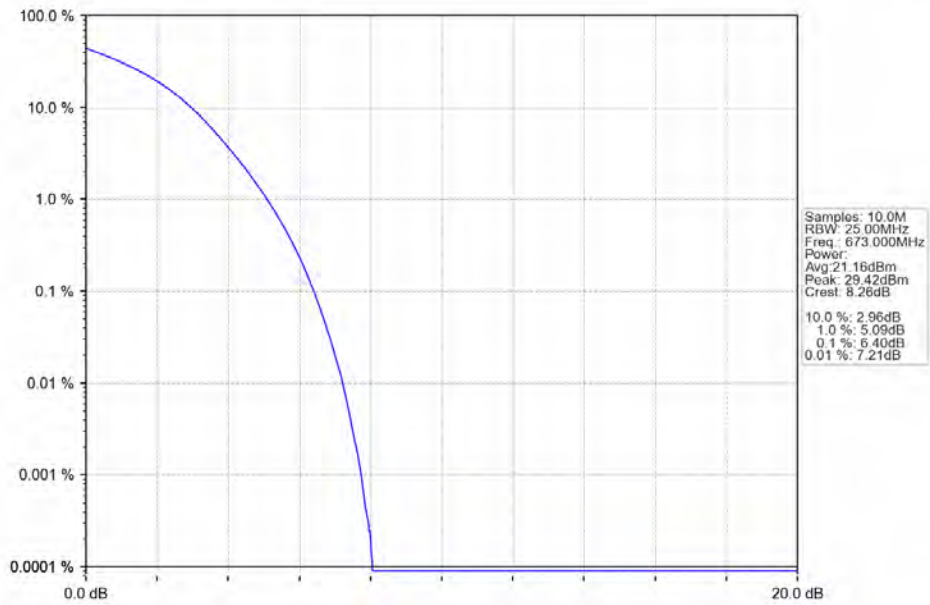
5.4.2 Test Graph



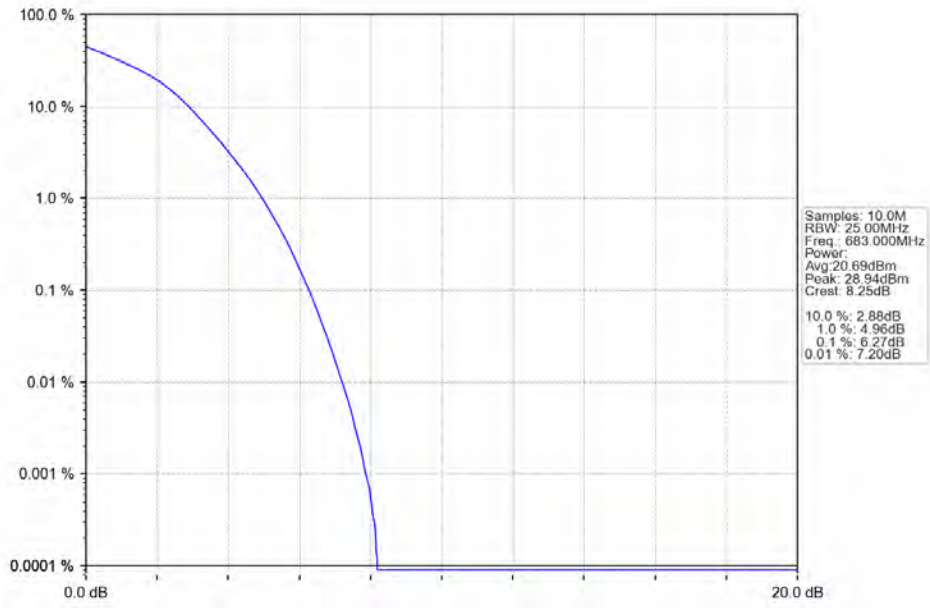
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



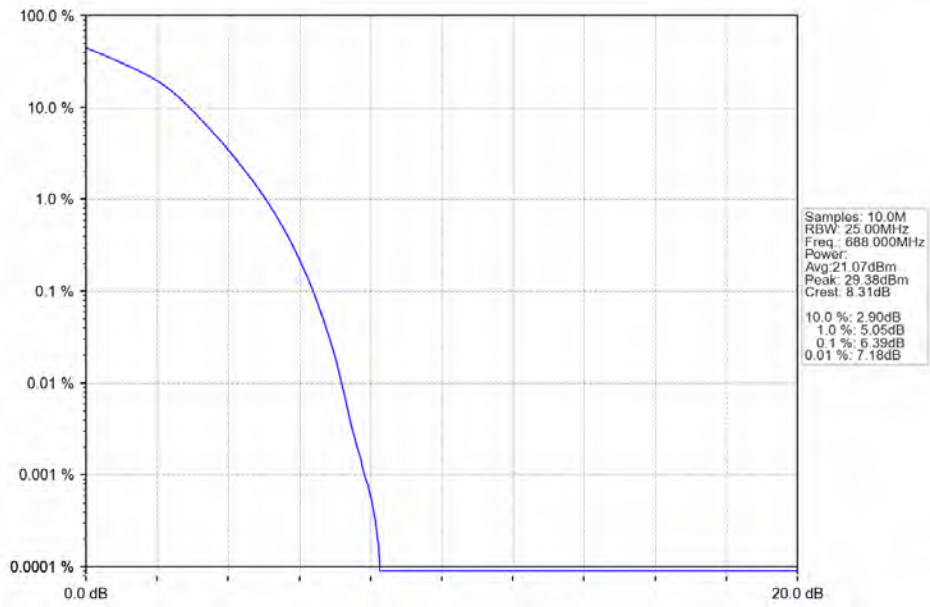
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



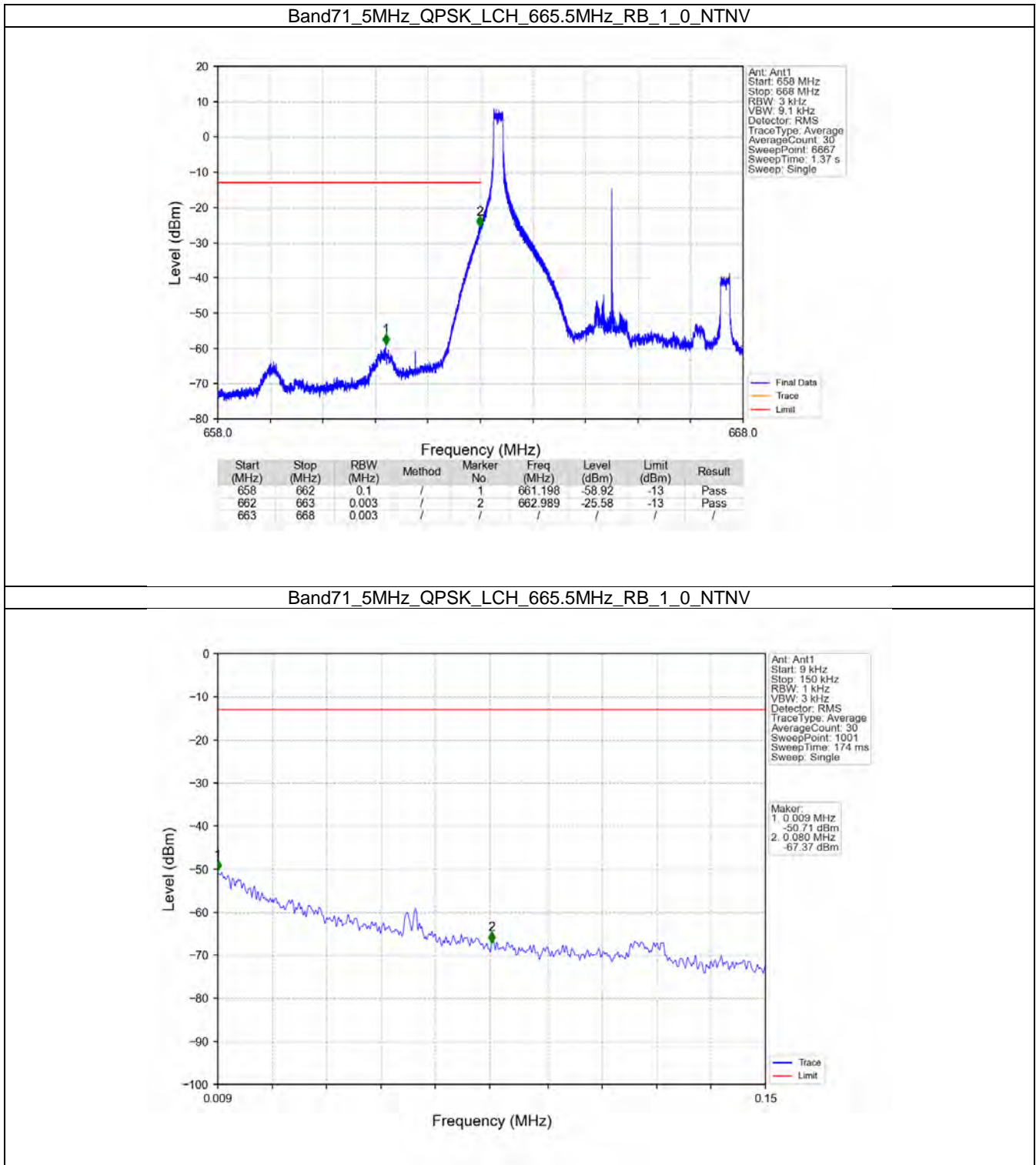
6. Spurious Emission

6.1 B71_5MHz

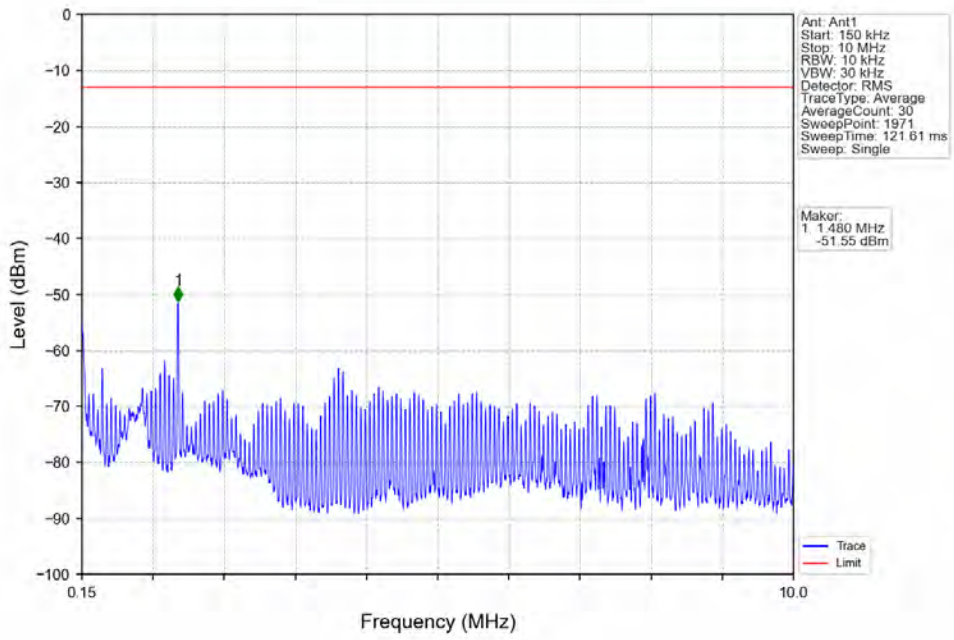
6.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		695.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
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
		695.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	

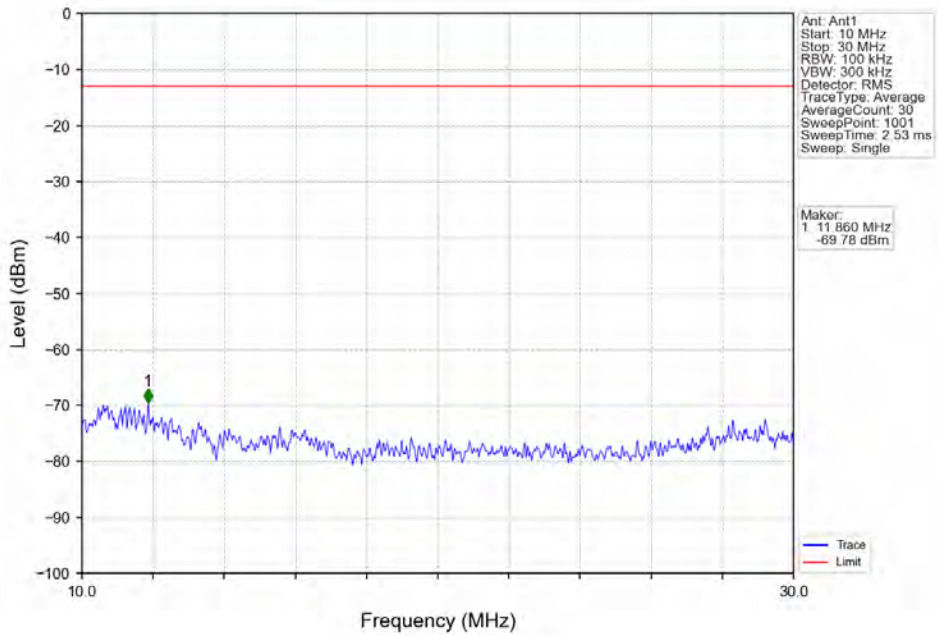
6.1.2 Test Graph



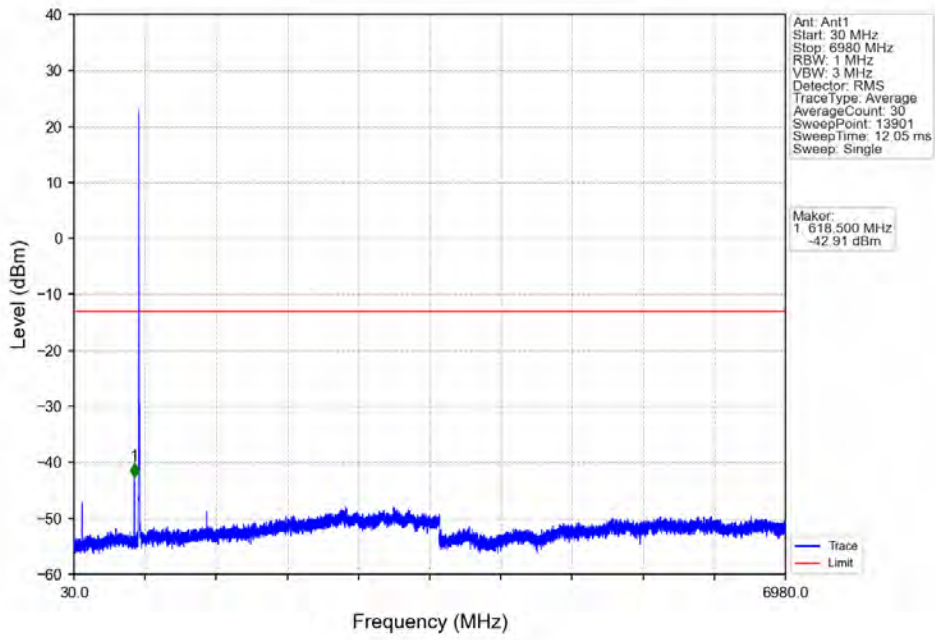
Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV



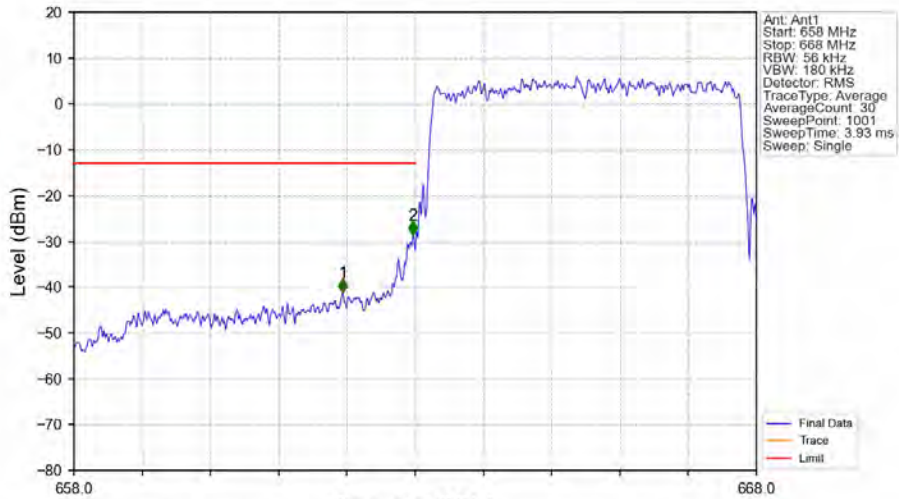
Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

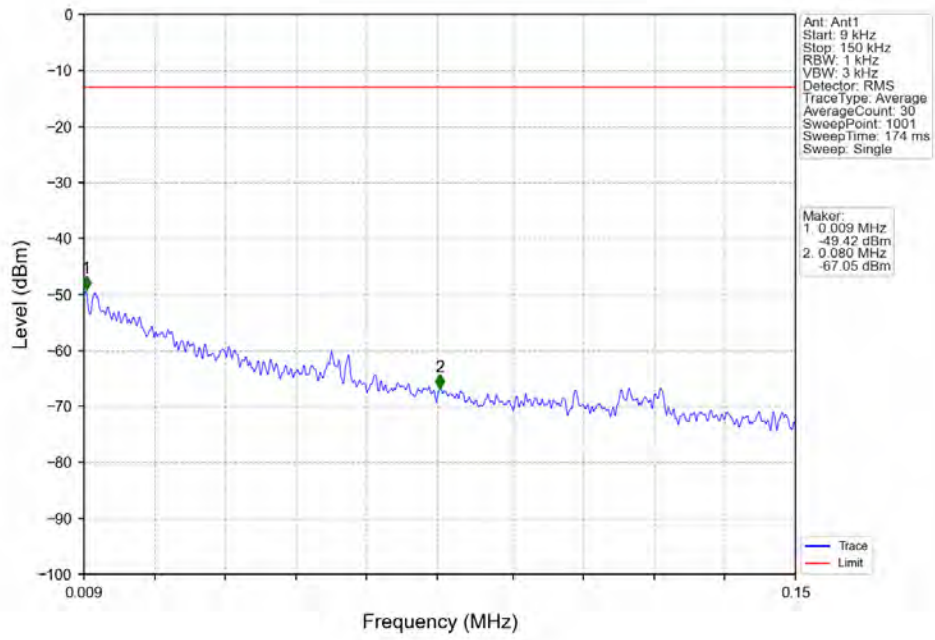


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

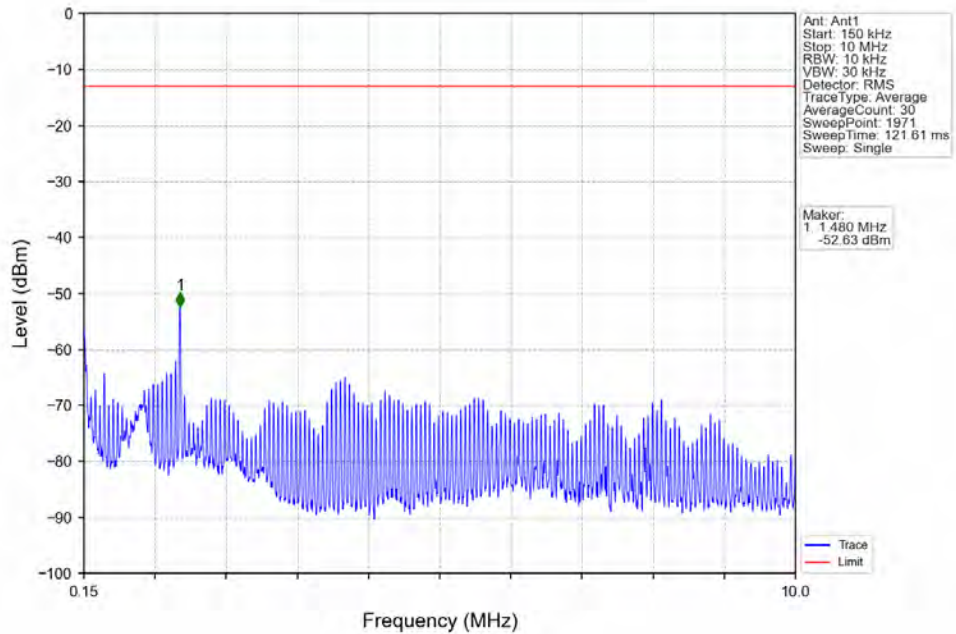


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	/	1	661.940	-41.27	-13	Pass
662	663	0.056	/	2	662.970	-28.64	-13	Pass
663	668	0.056	/	/	/	/	/	/

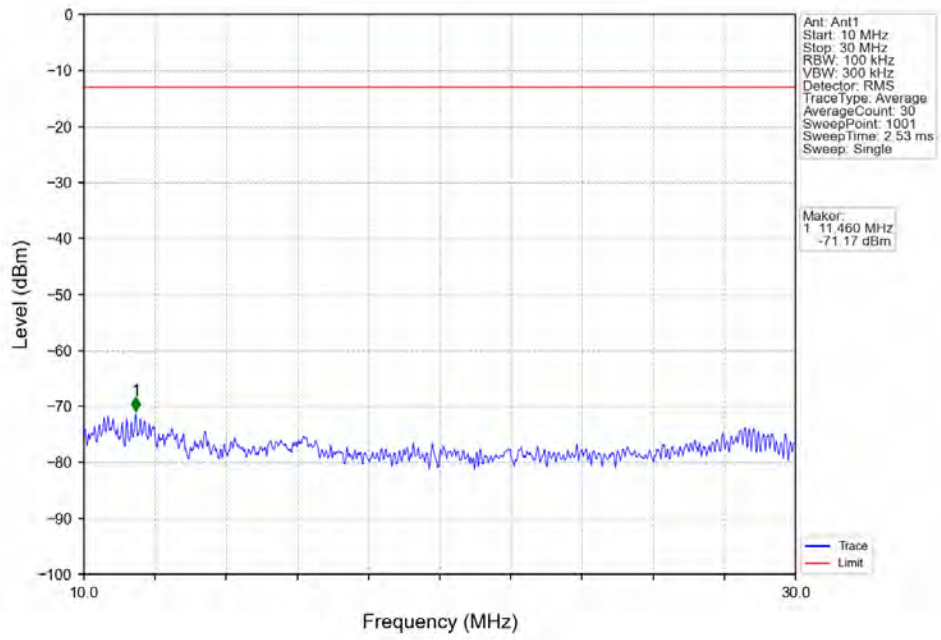
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



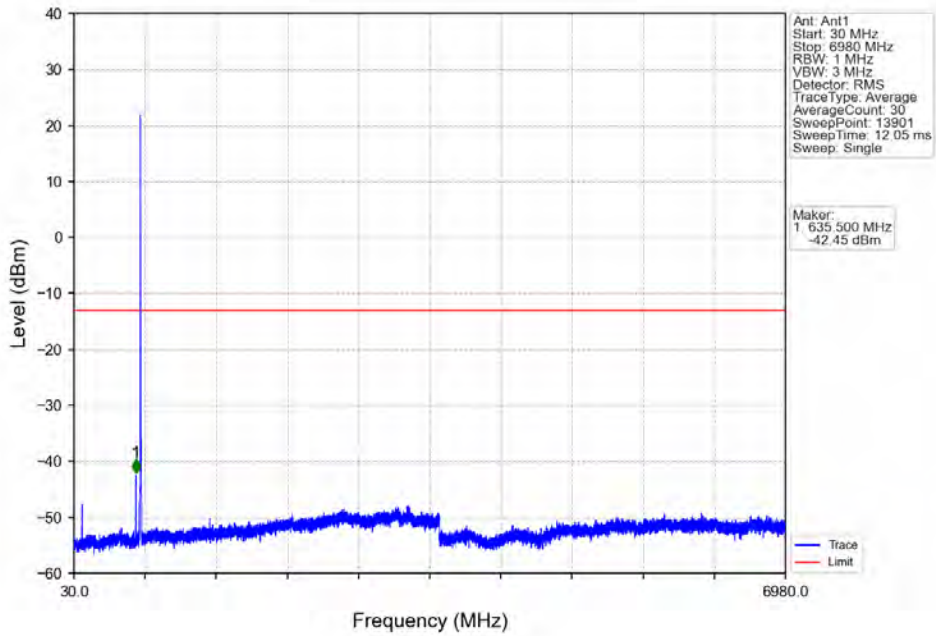
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



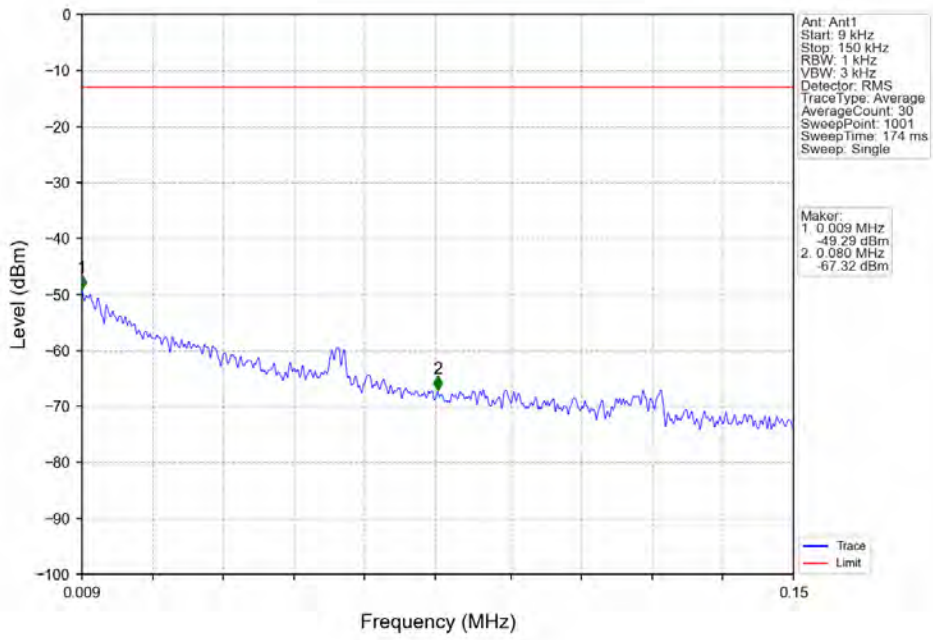
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



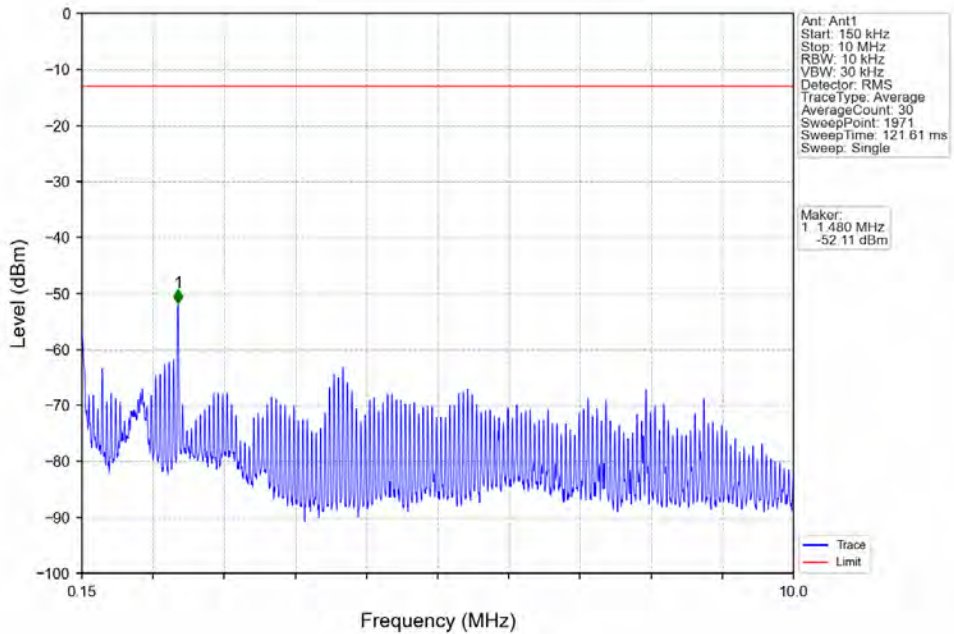
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



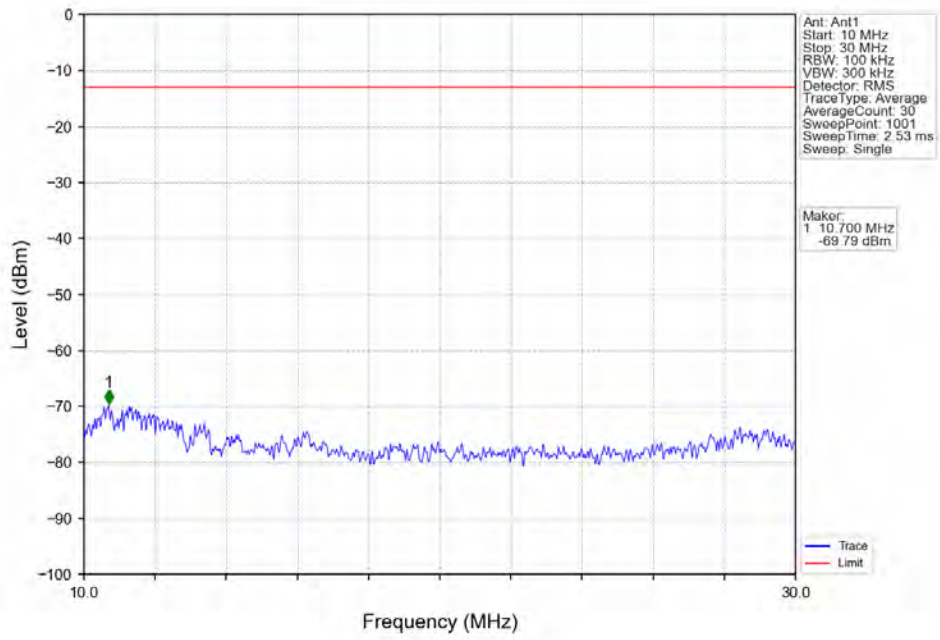
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



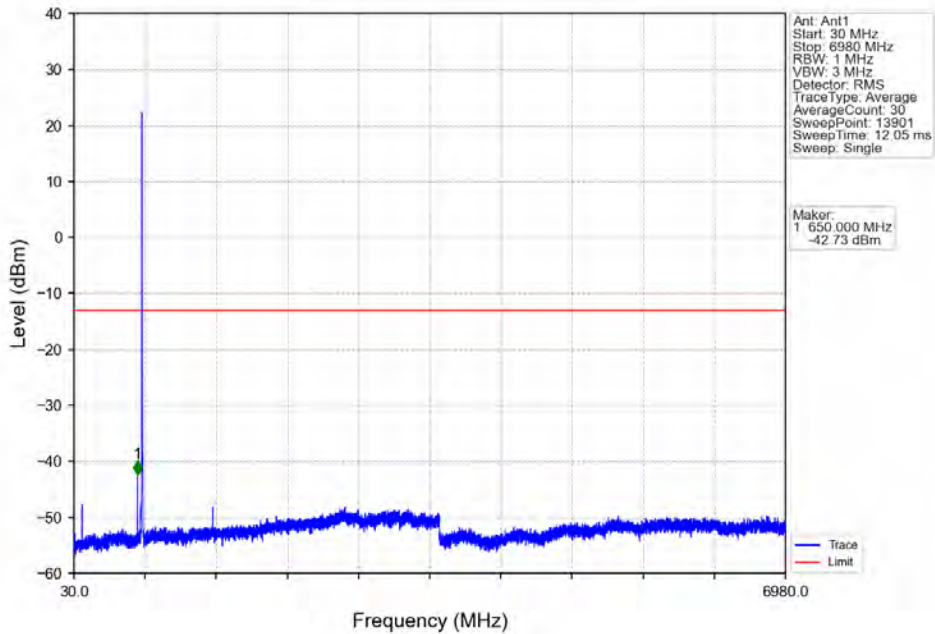
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



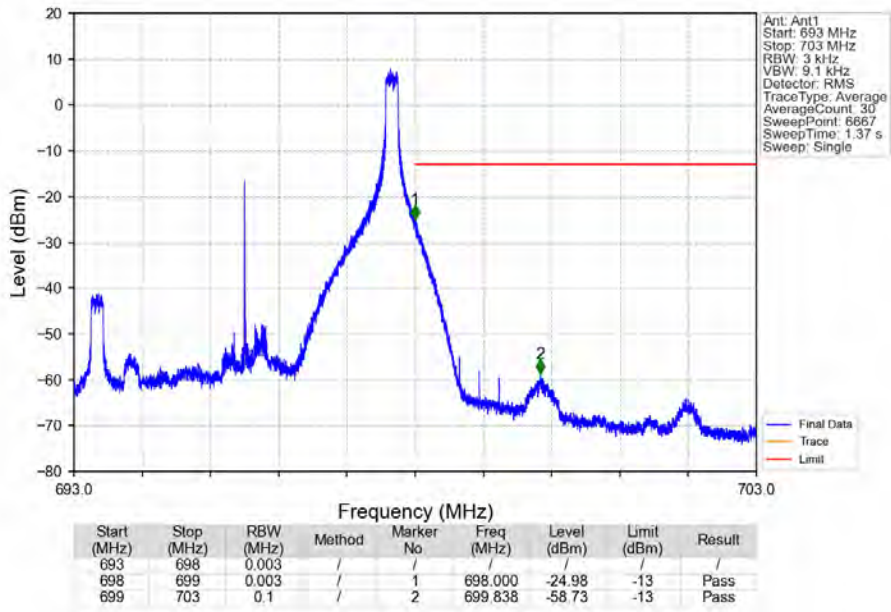
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



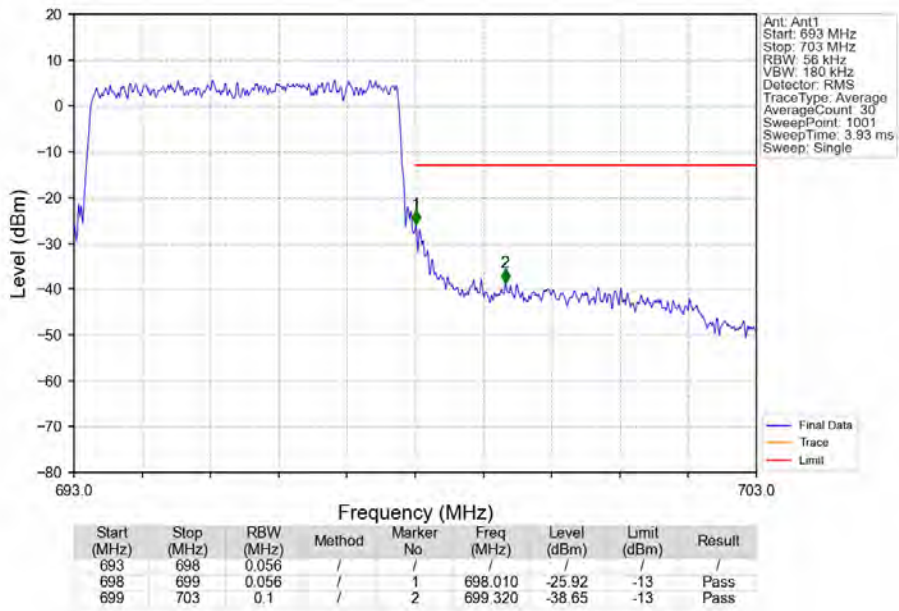
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



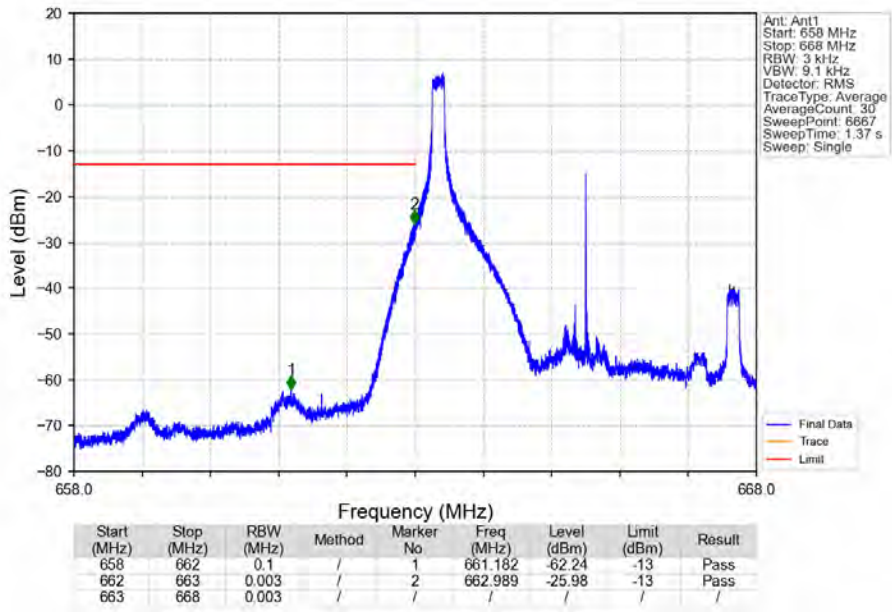
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



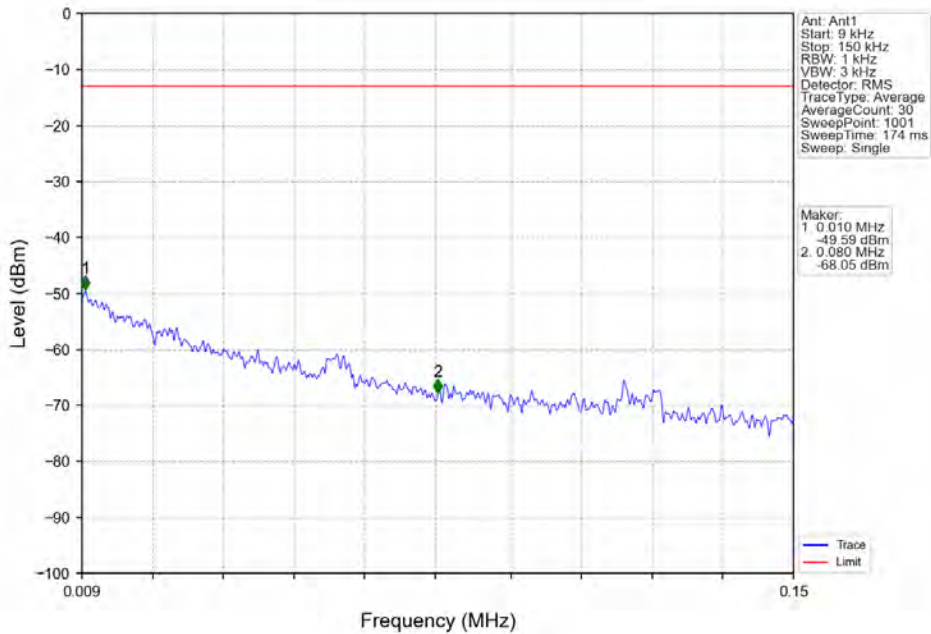
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



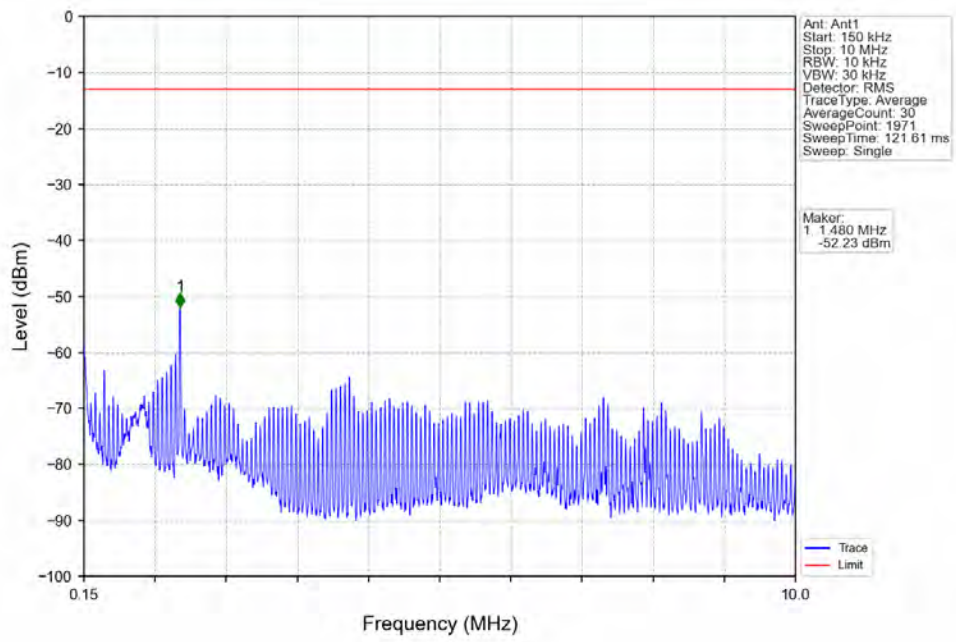
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



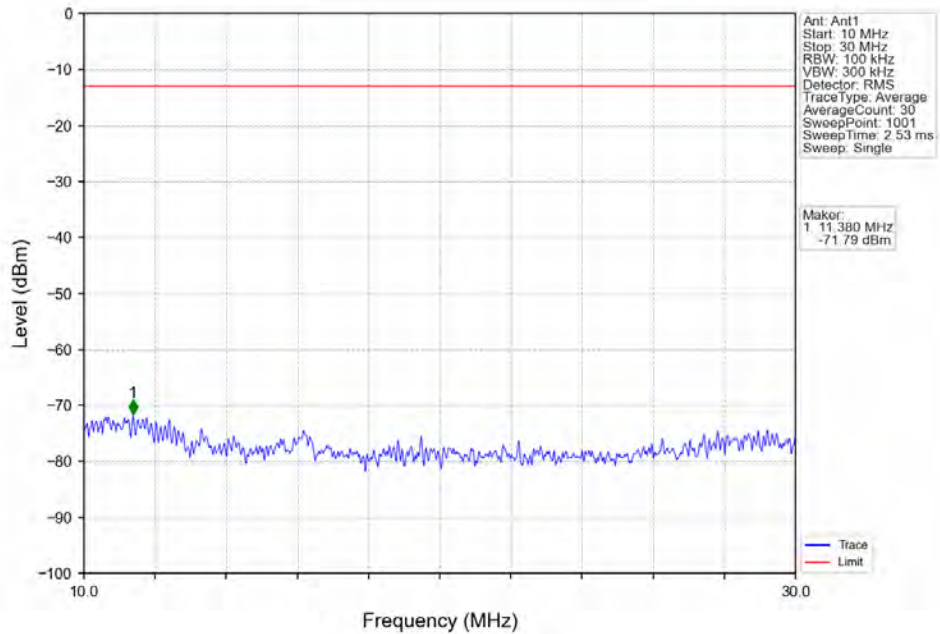
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



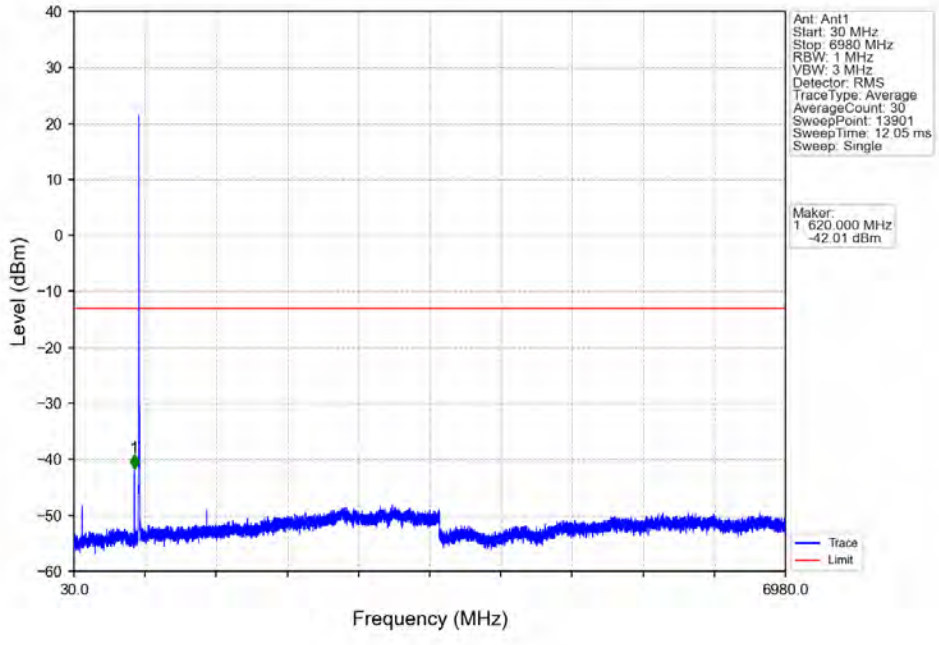
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



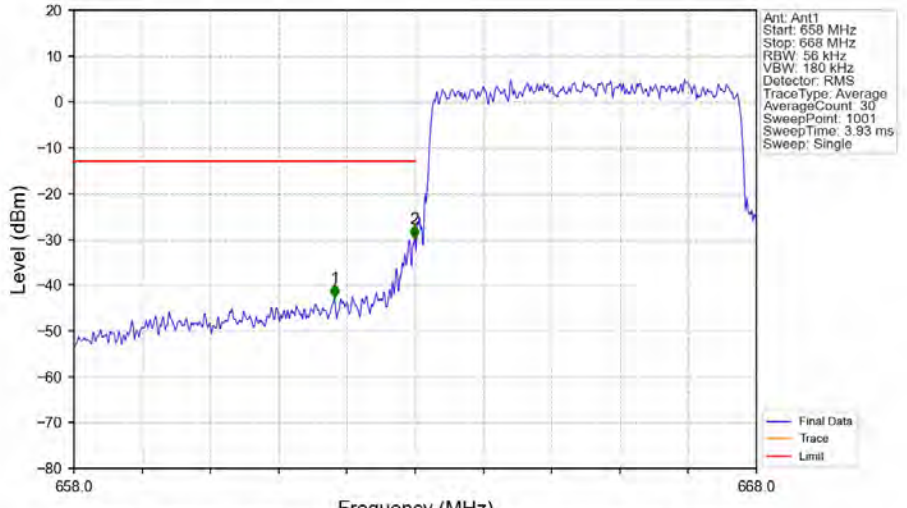
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

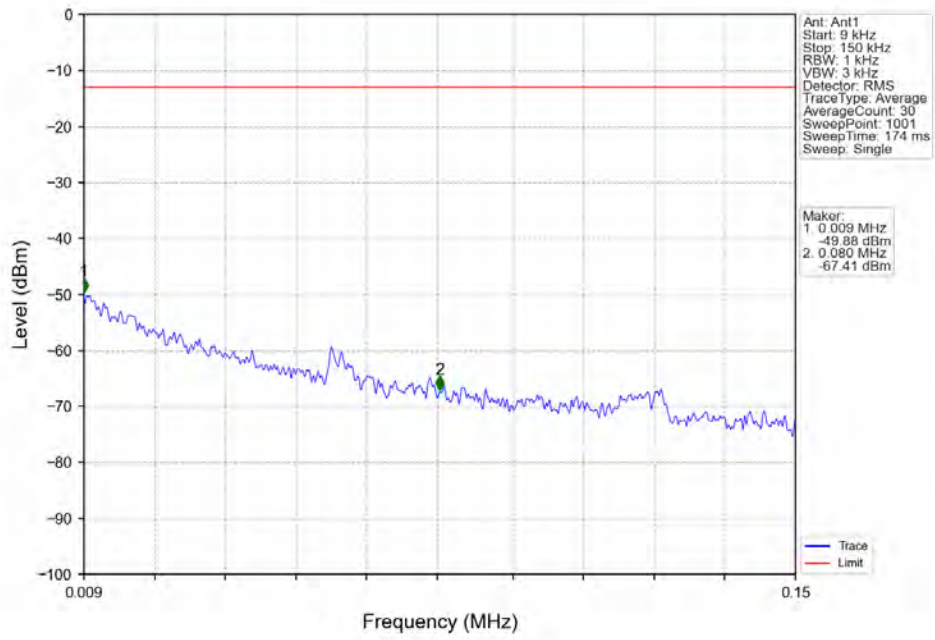


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

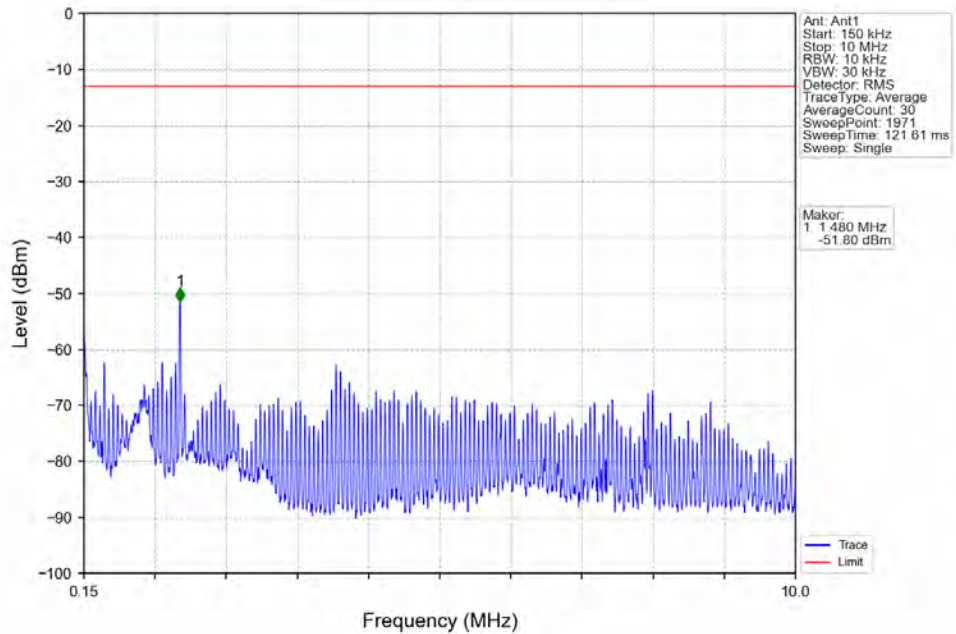


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	/	1	661.820	-42.76	-13	Pass
662	663	0.056	/	2	662.950	-29.95	-13	Pass
663	668	0.056	/	/	/	/	/	/

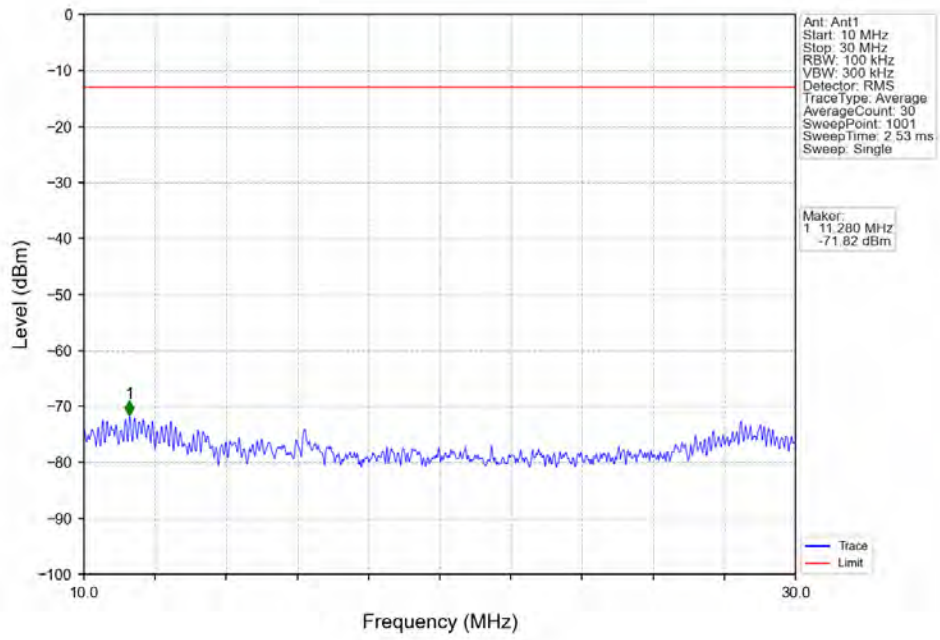
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



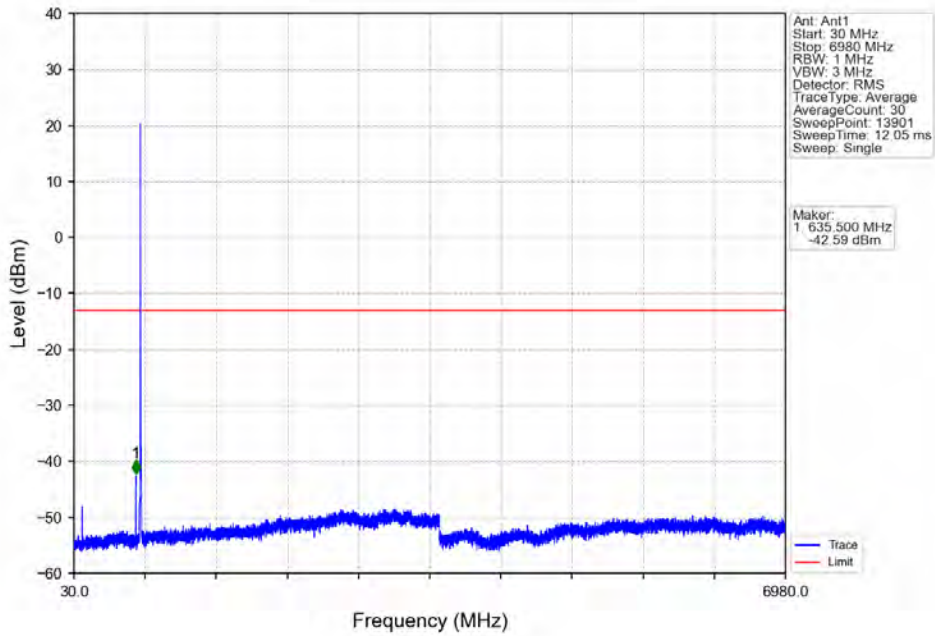
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



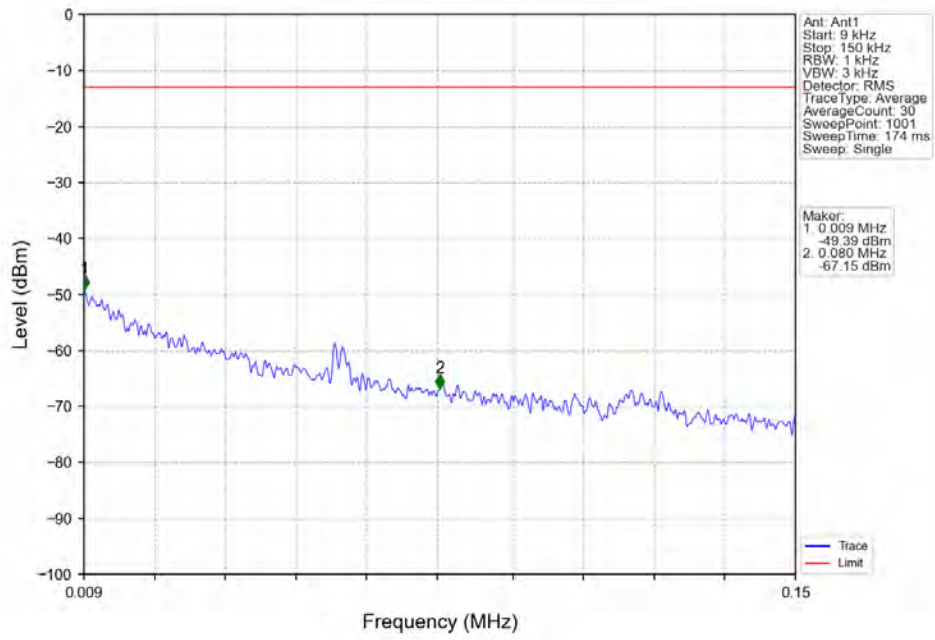
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



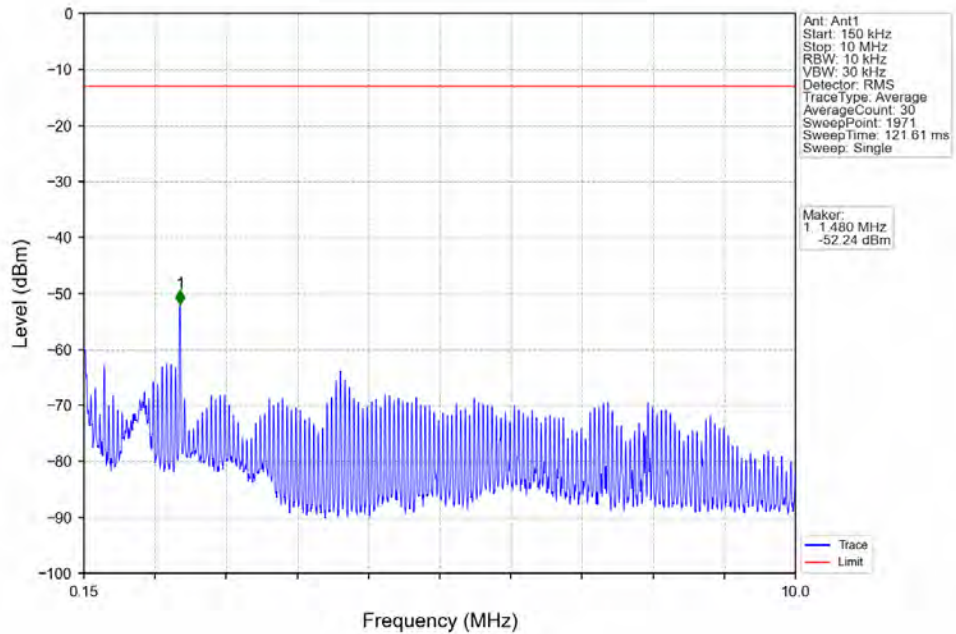
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



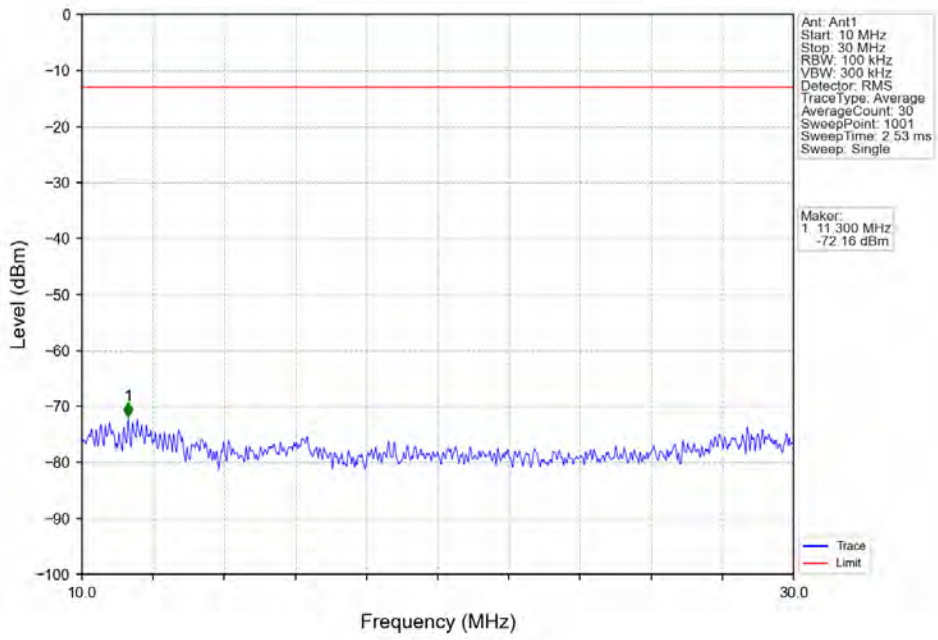
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



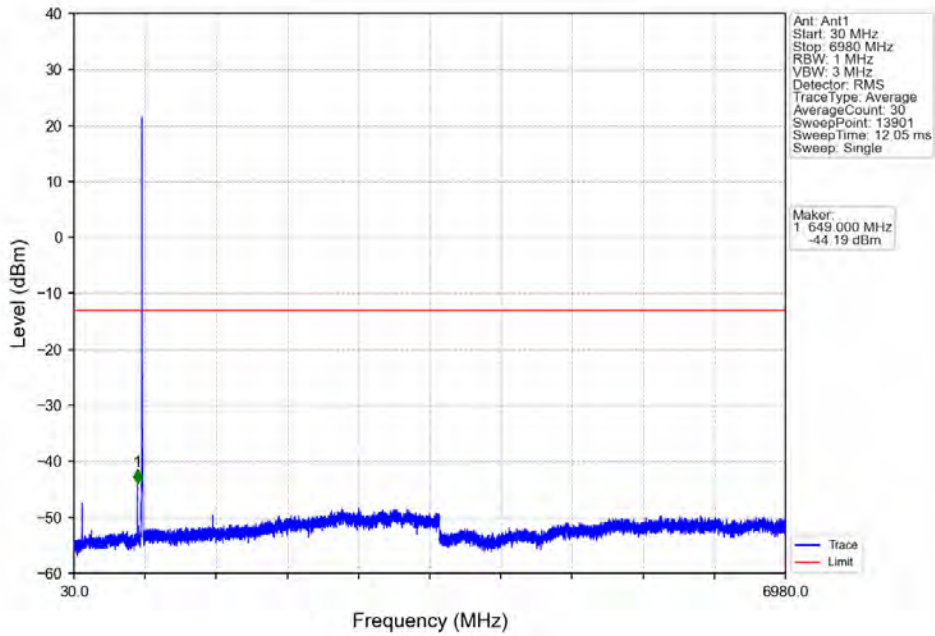
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



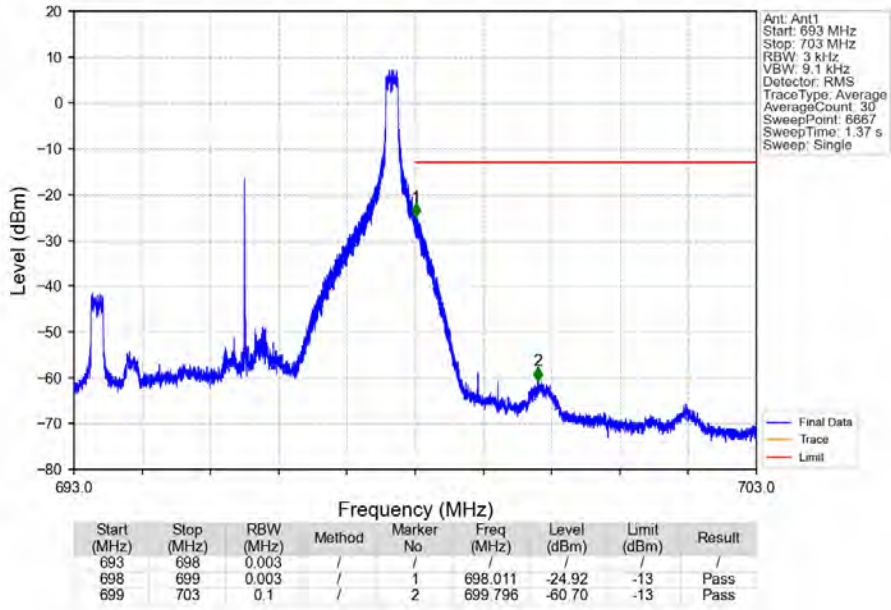
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



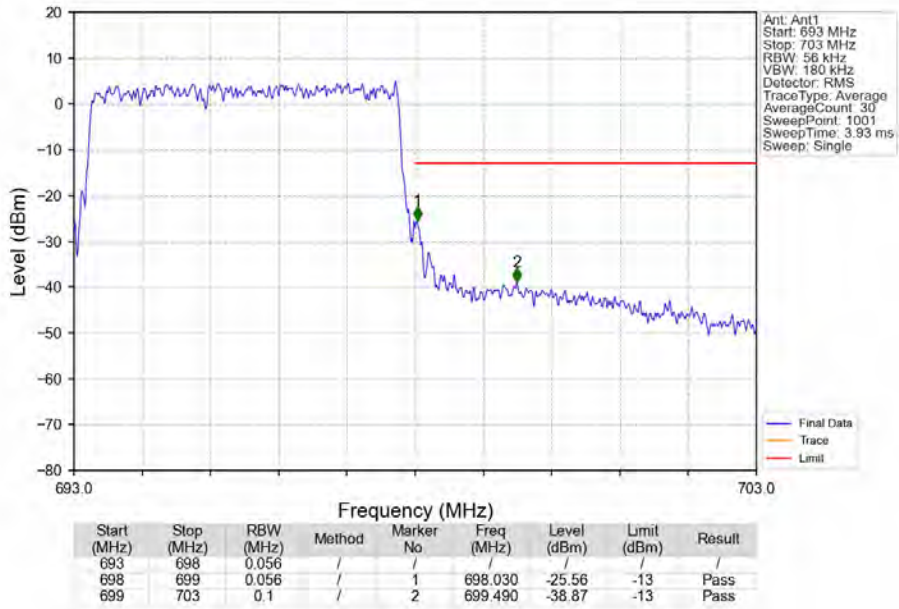
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTV

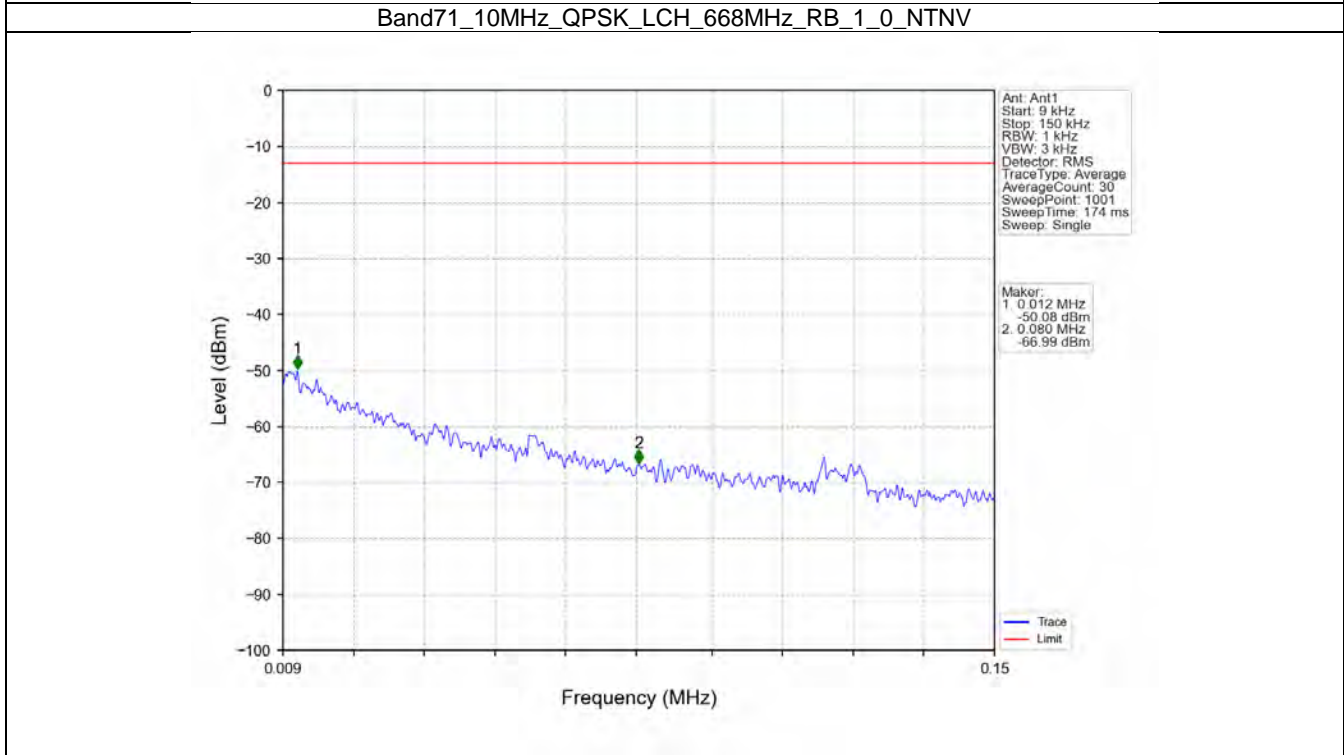
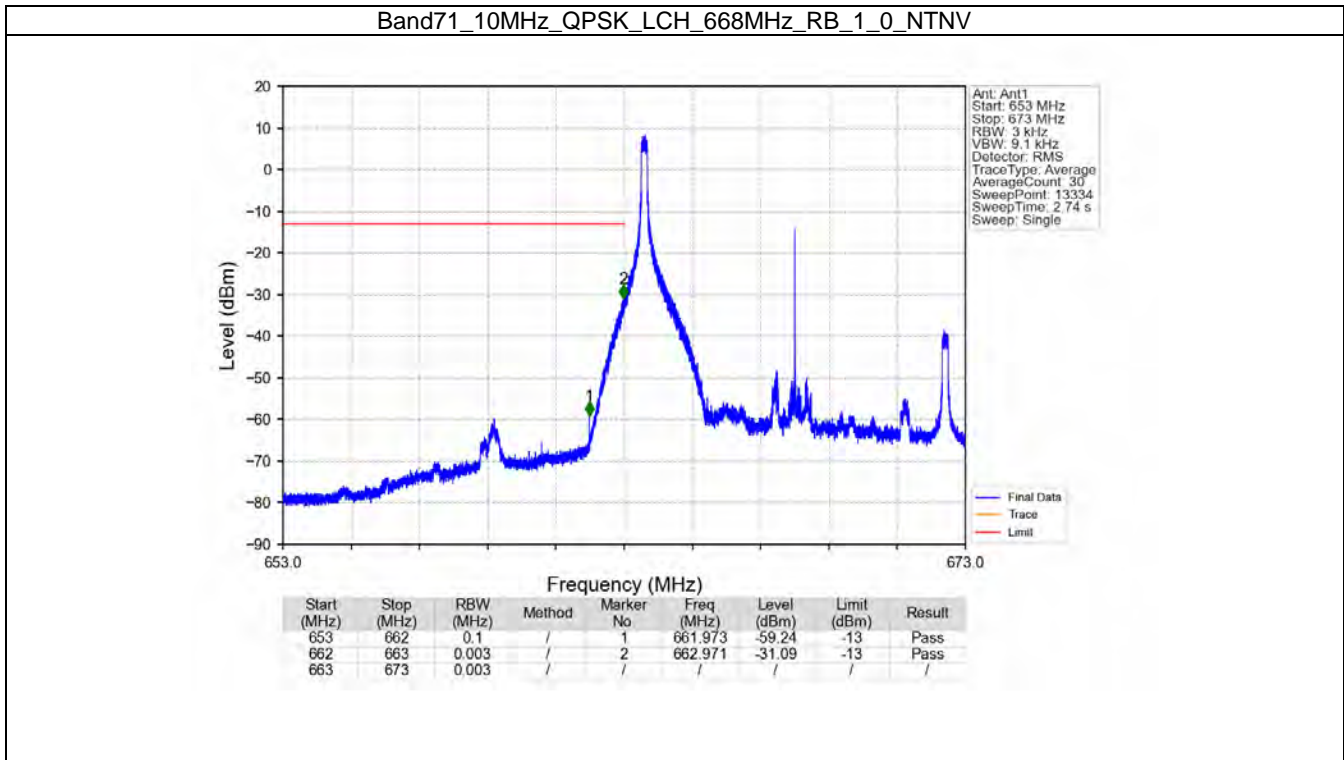


6.2 B71_10MHz

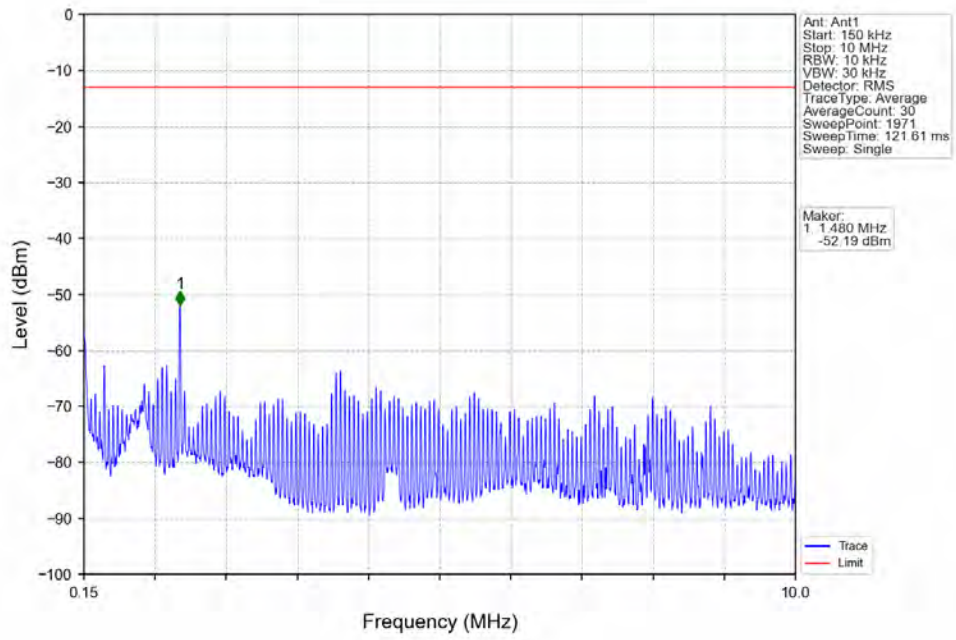
6.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	668	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	680.5	1	0	Refer To Test Graph		Pass	
	693	1	0	0	Refer To Test Graph		Pass
			49	0	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	
	693	1	0	0	Refer To Test Graph		Pass
			49	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	

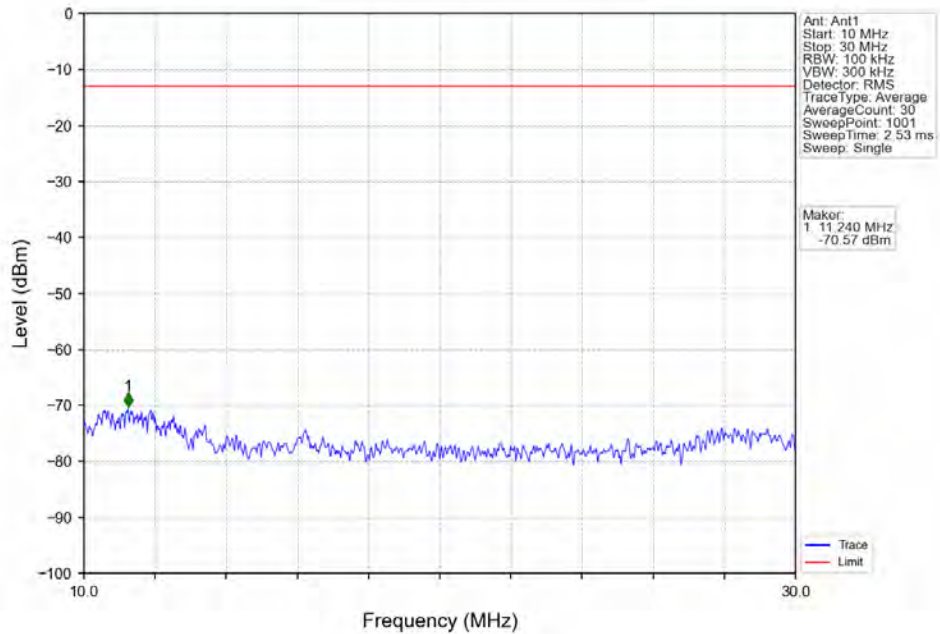
6.2.2 Test Graph



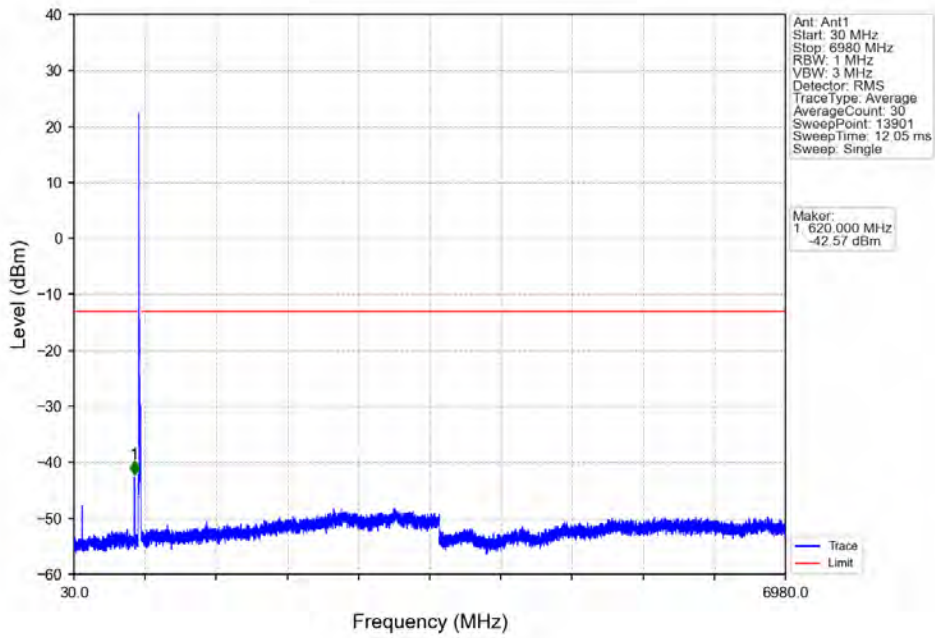
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



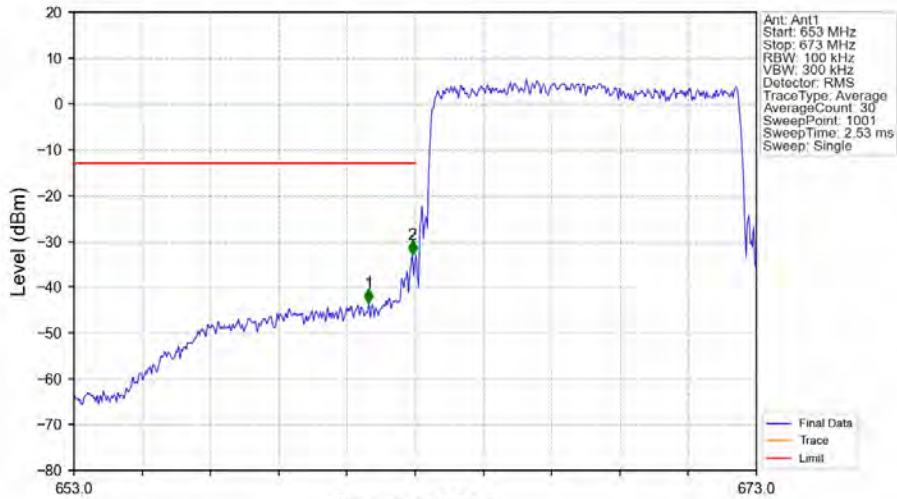
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

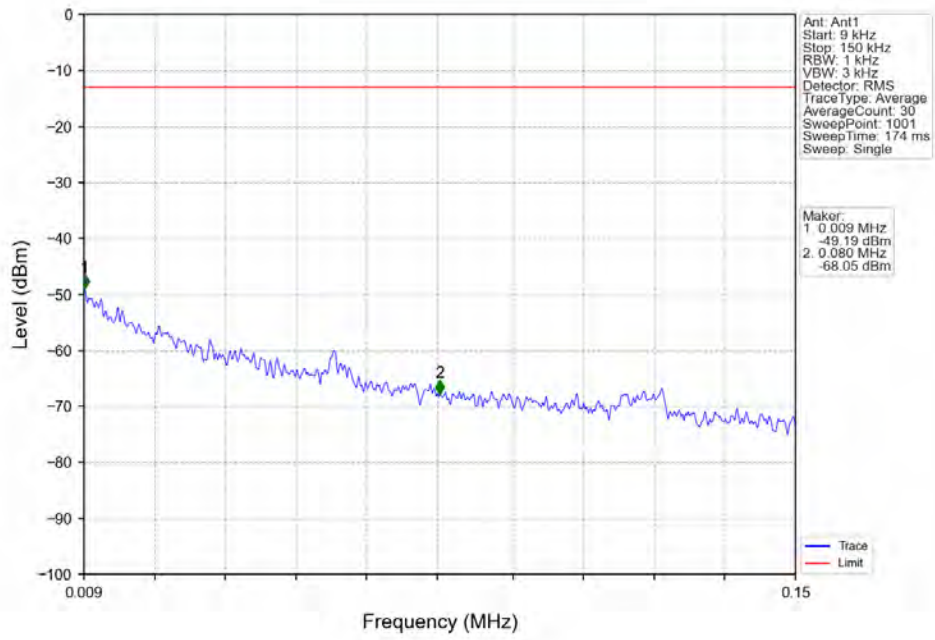


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

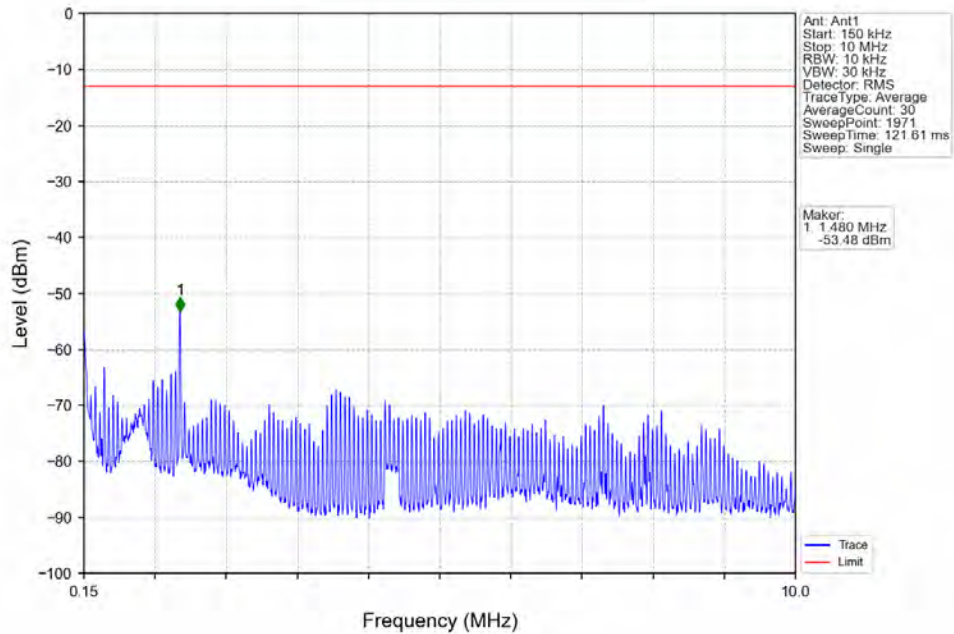


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.640	-43.55	-13	Pass
662	663	0.103	/	2	662.920	-32.89	-13	Pass
663	673	0.103	/	/	/	/	/	/

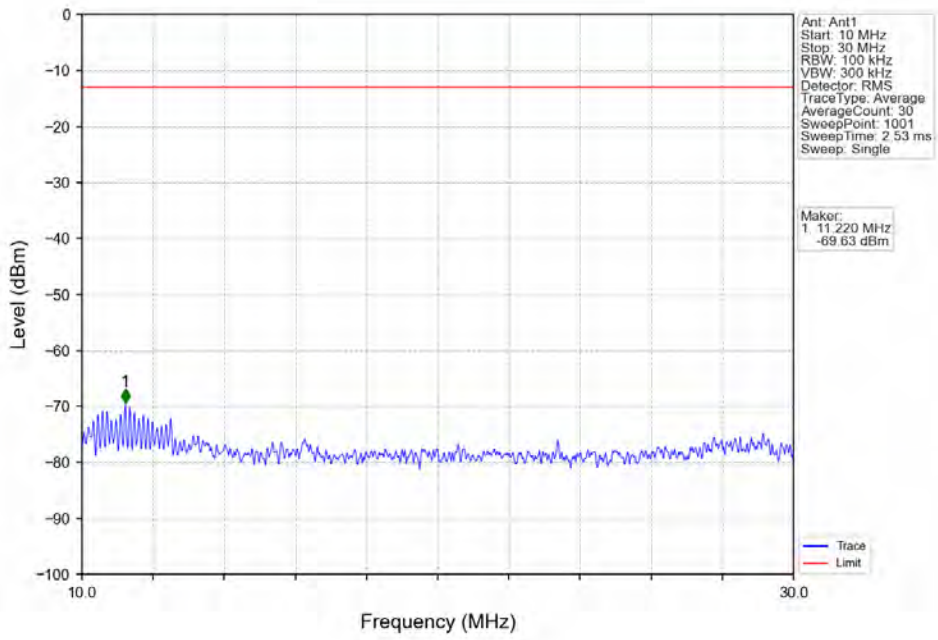
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



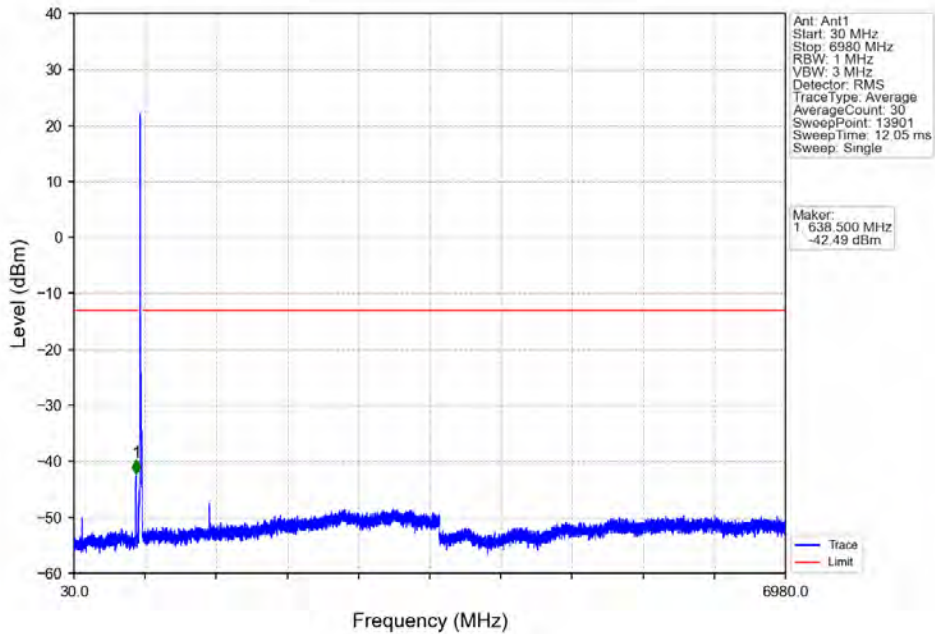
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



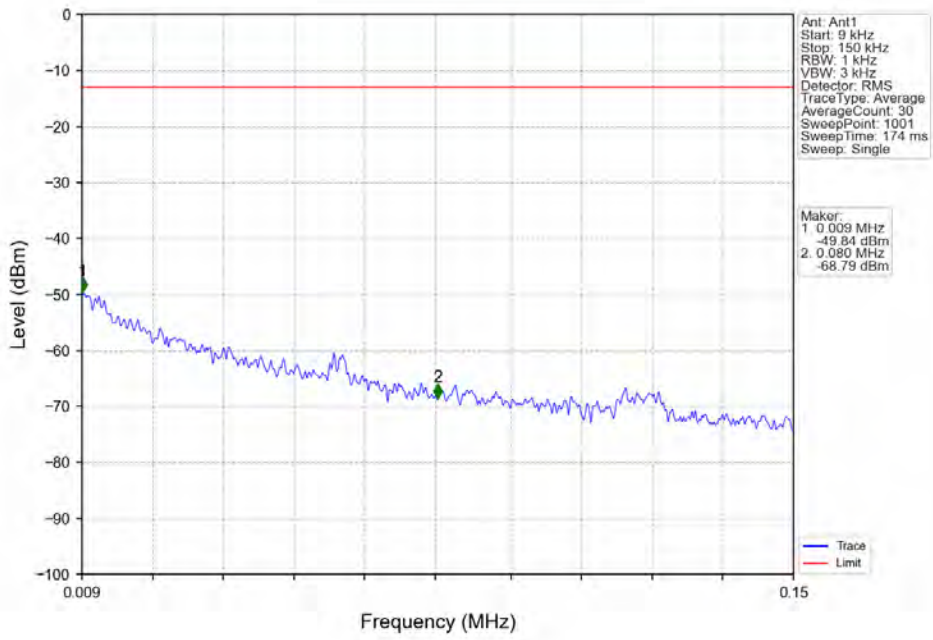
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



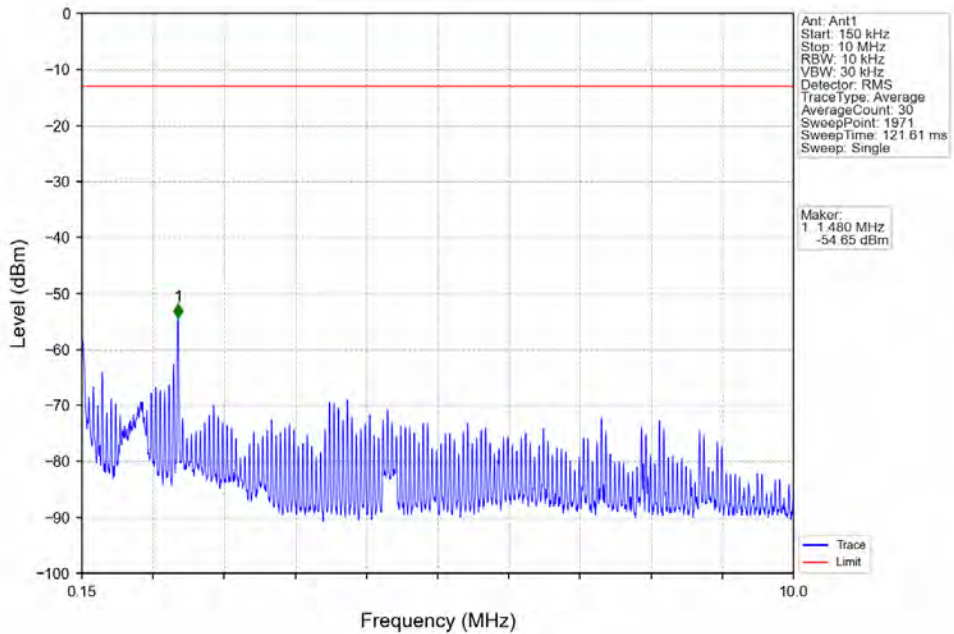
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



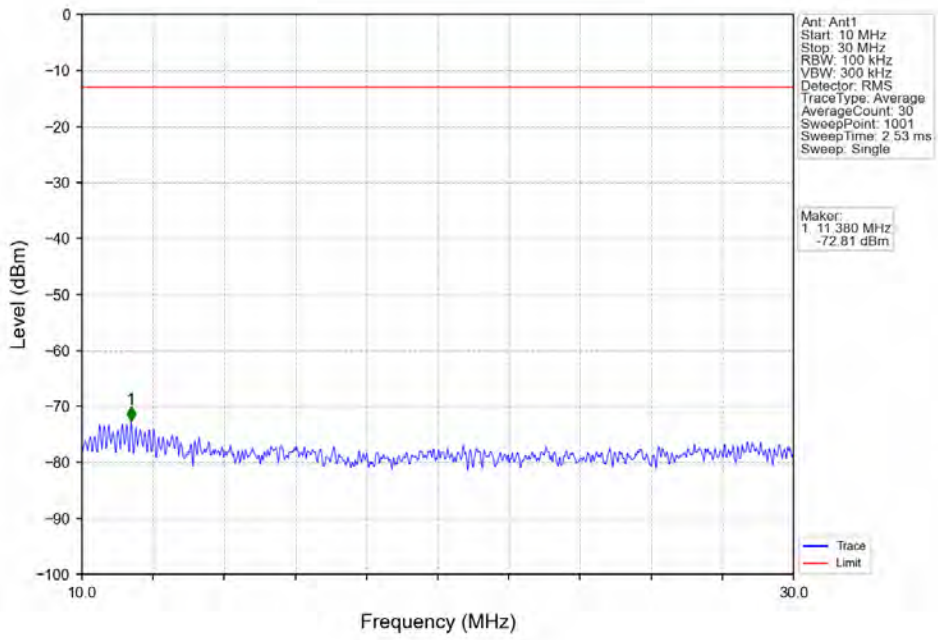
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



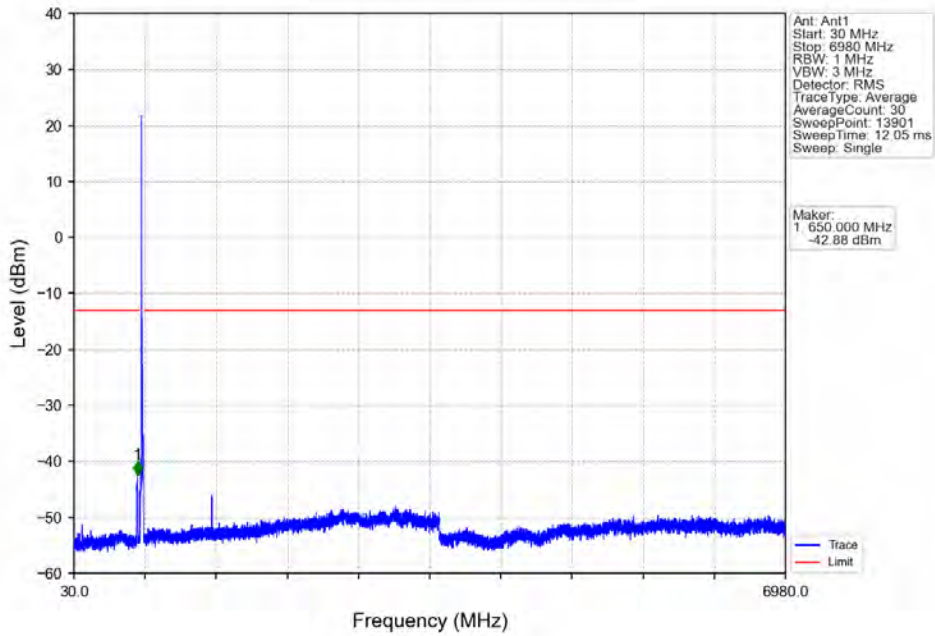
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



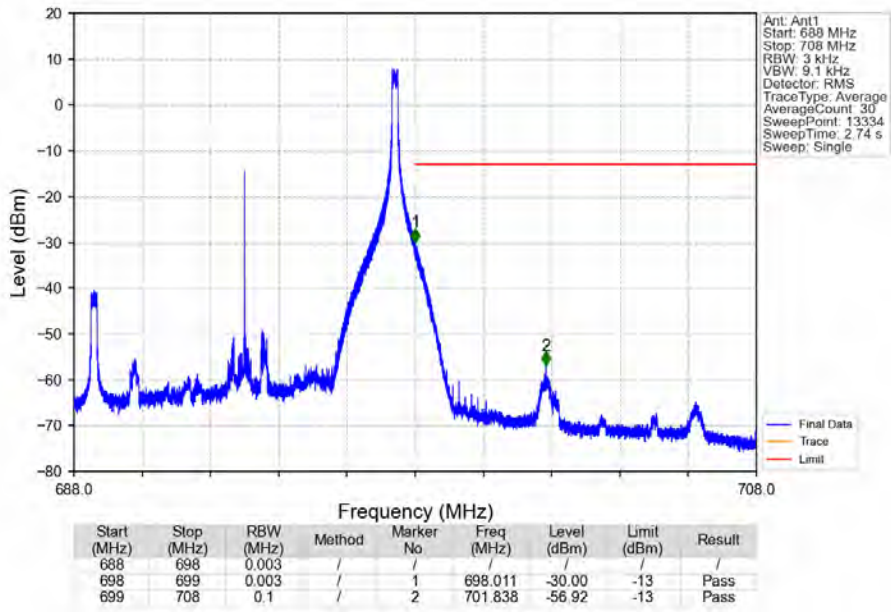
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



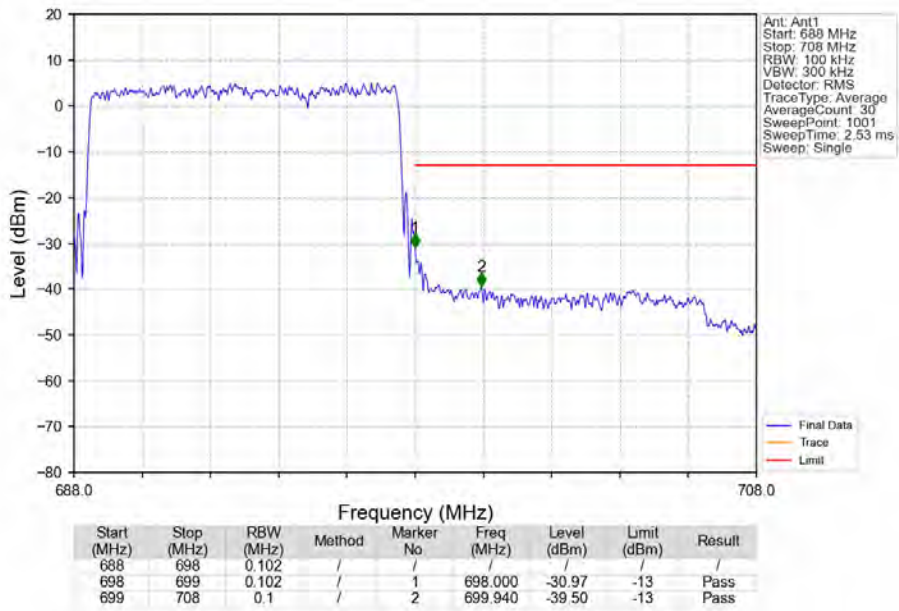
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



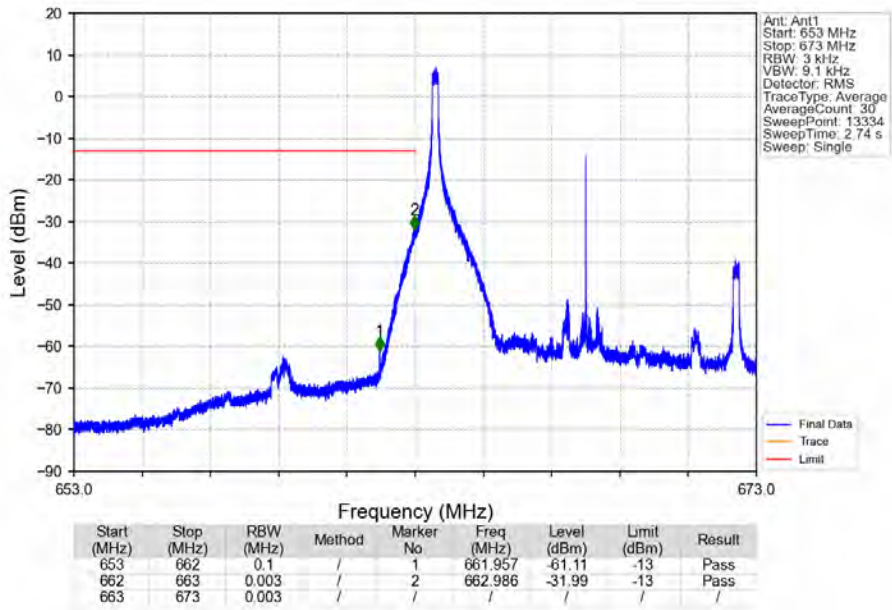
Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



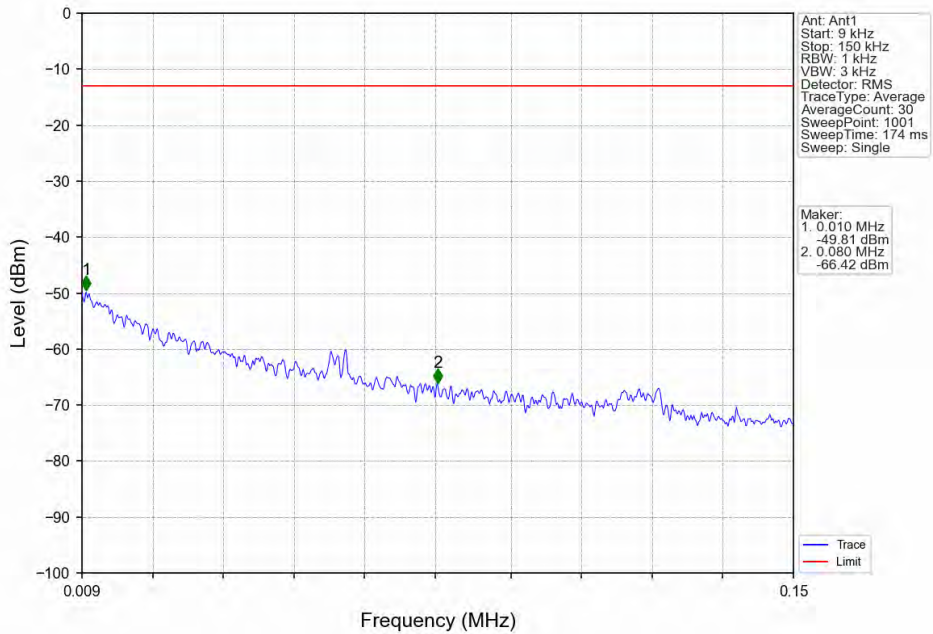
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



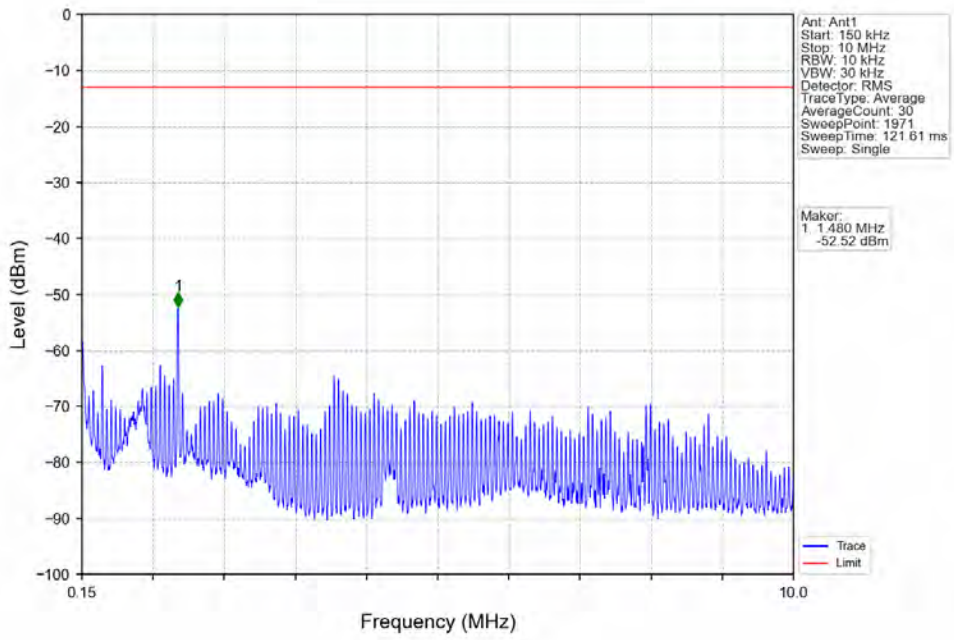
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



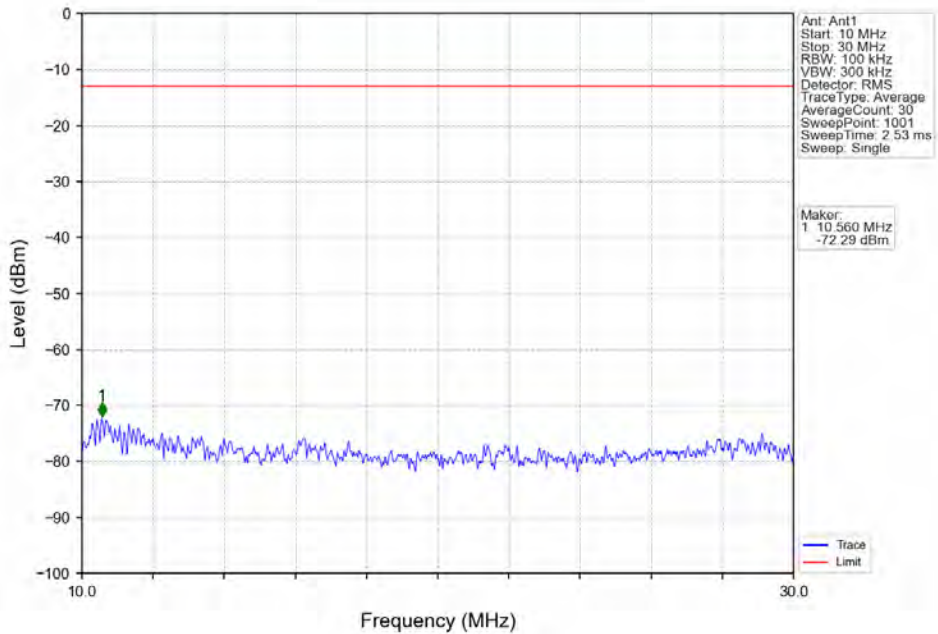
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



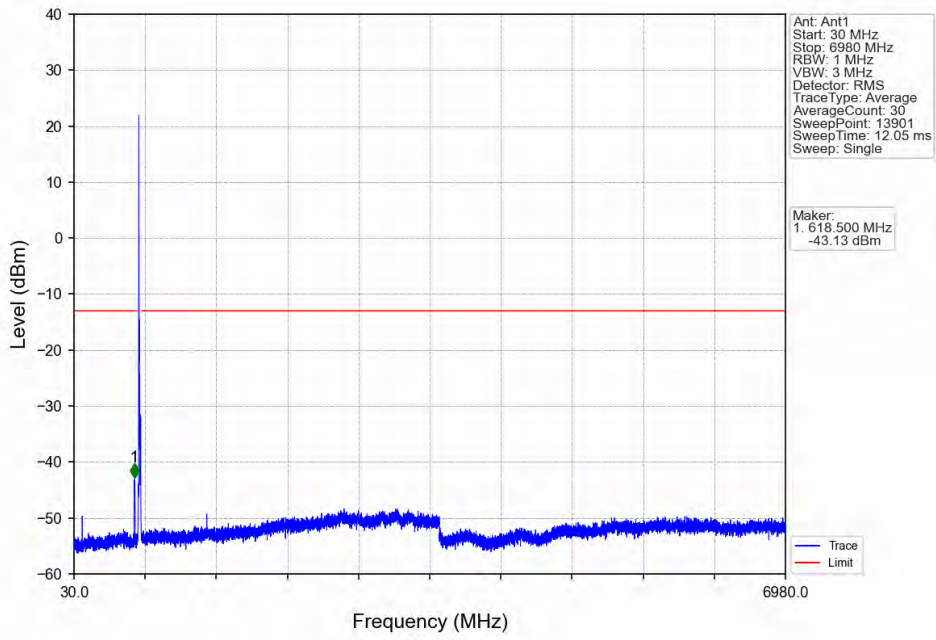
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



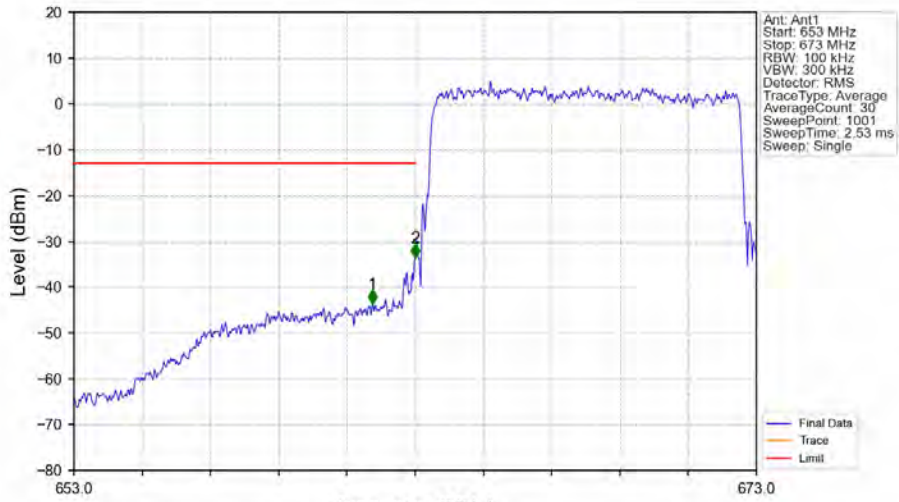
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

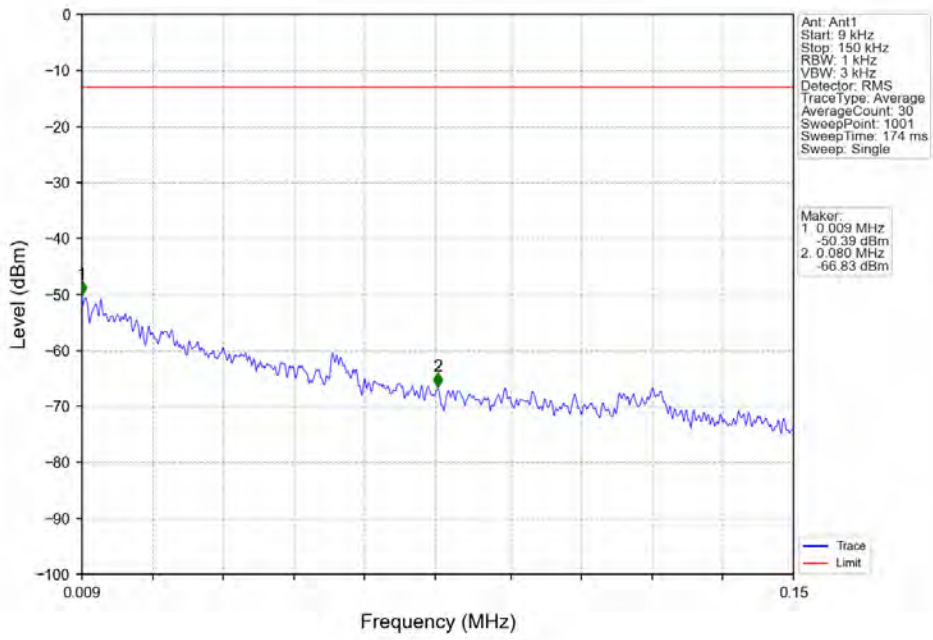


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

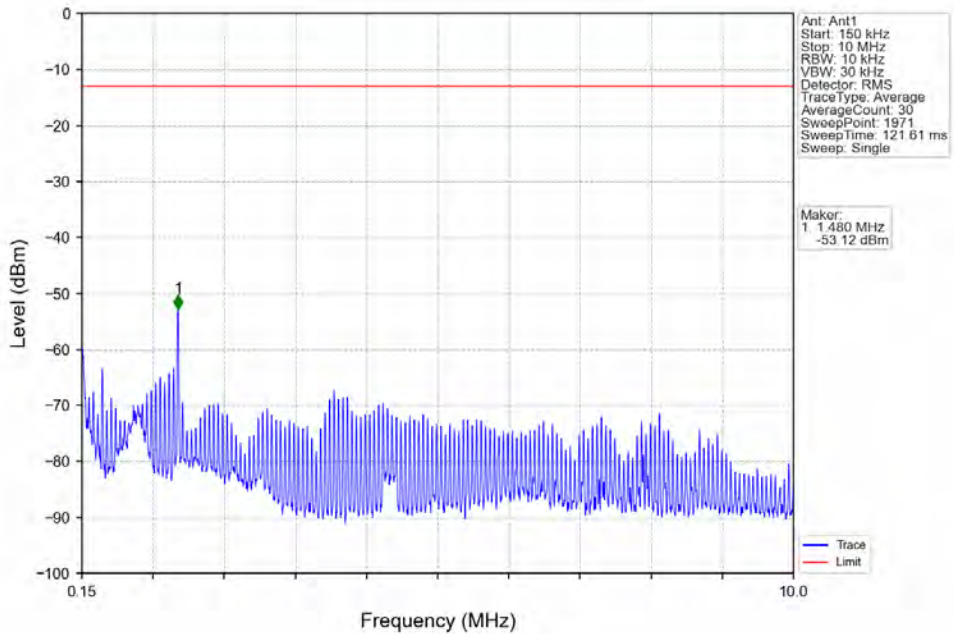


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.740	-43.66	-13	Pass
662	663	0.102	/	2	663.000	-33.62	-13	Pass
663	673	0.102	/	/	/	/	/	/

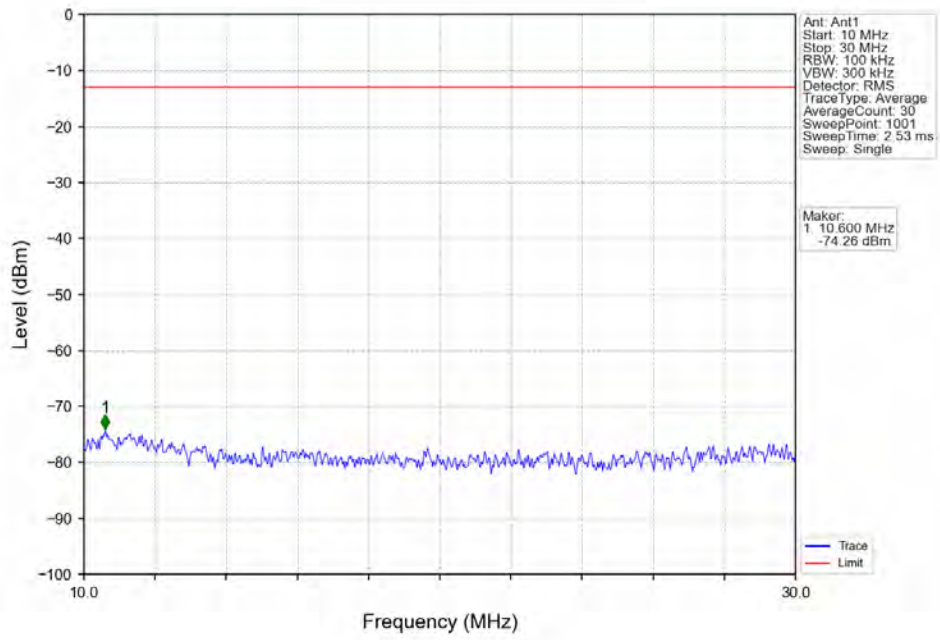
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



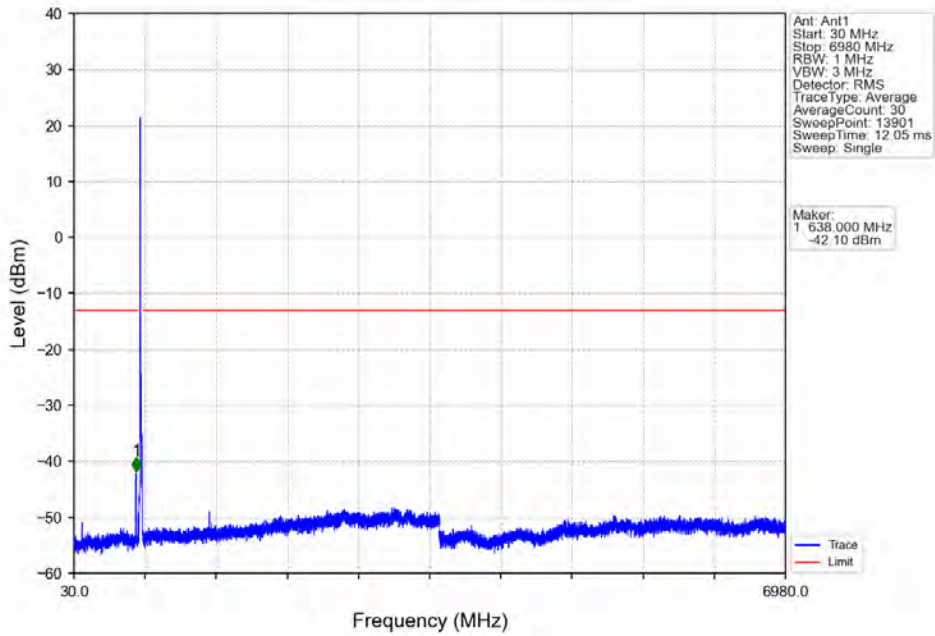
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



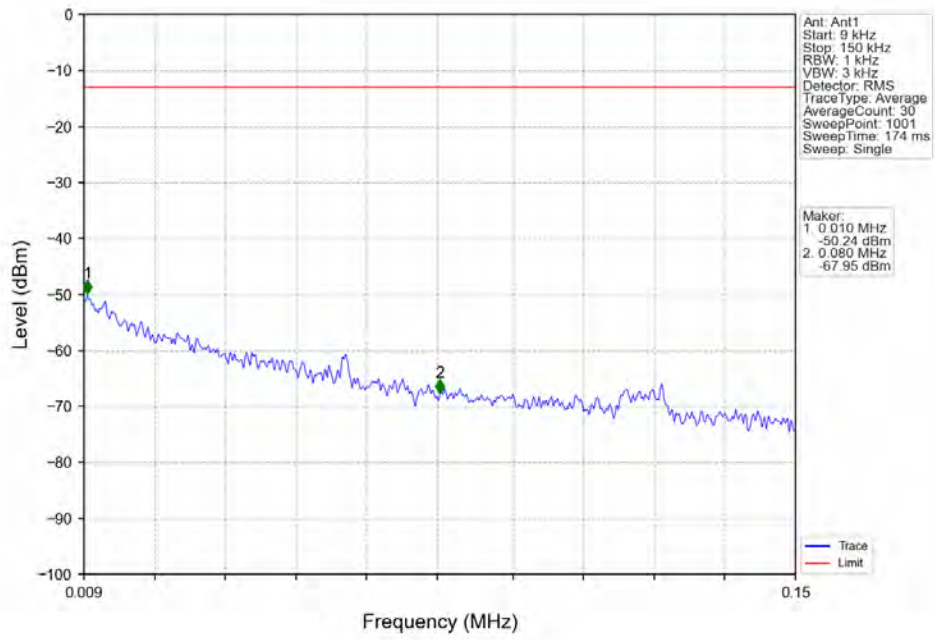
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



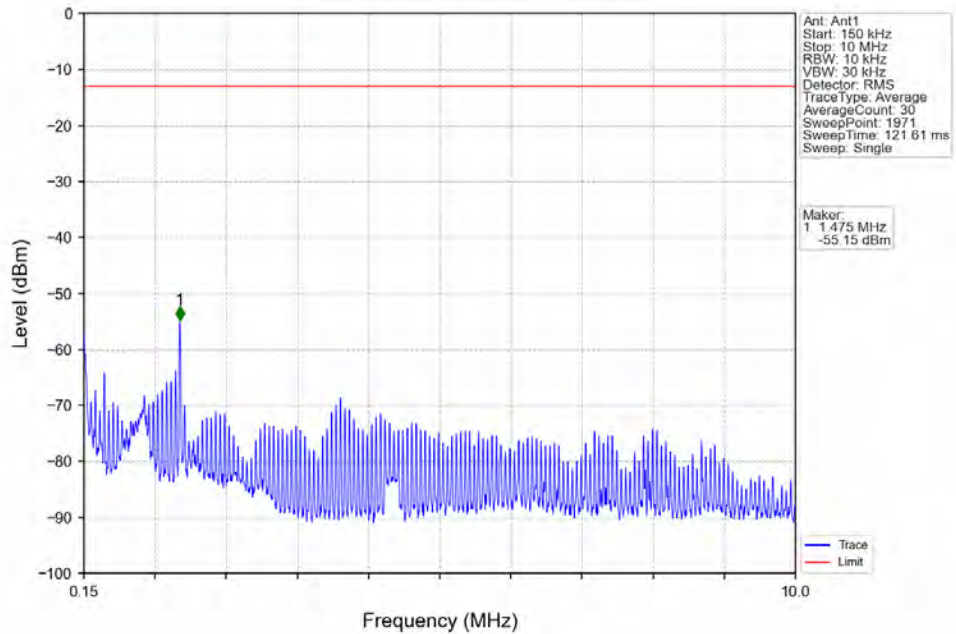
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



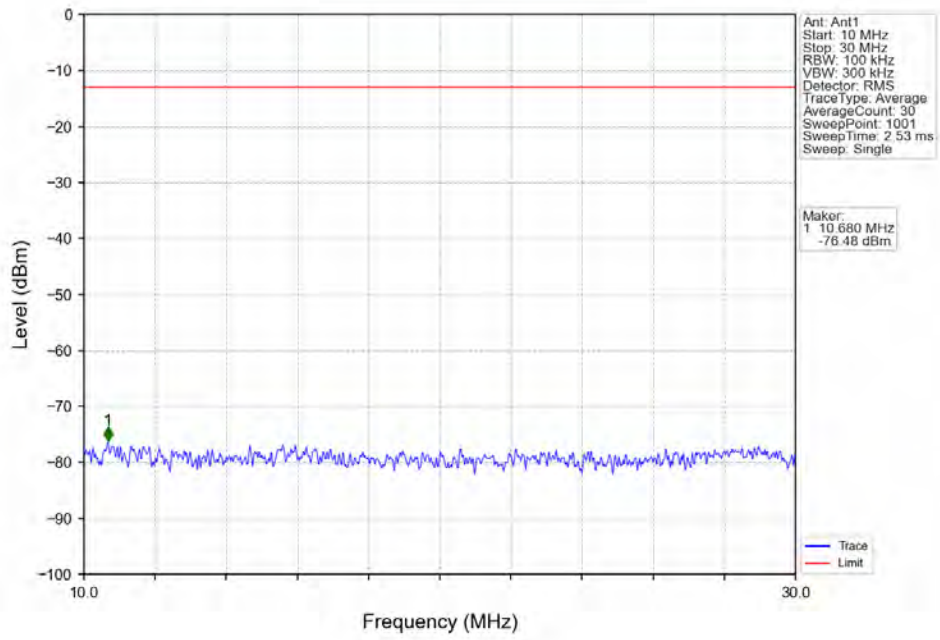
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



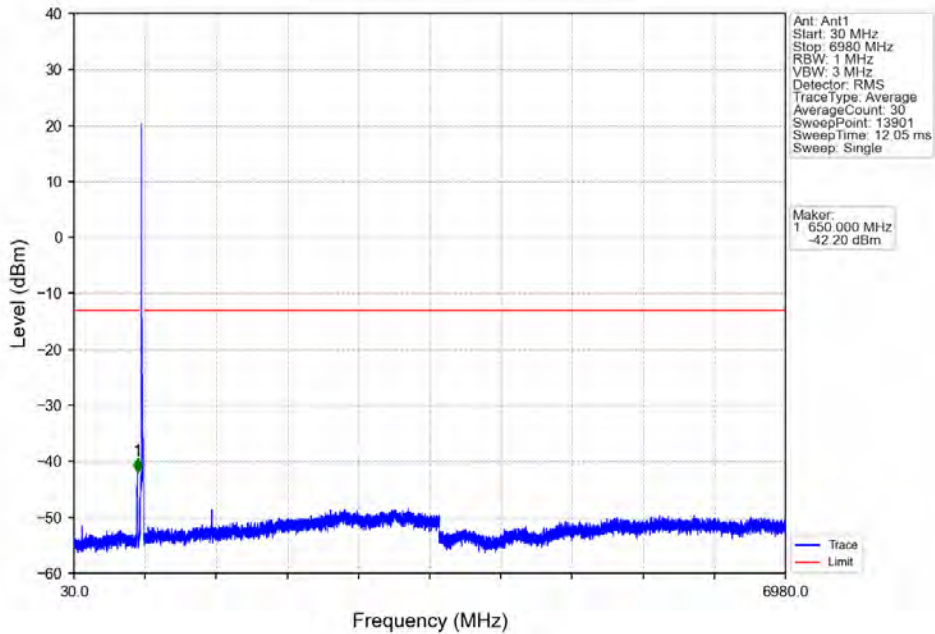
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



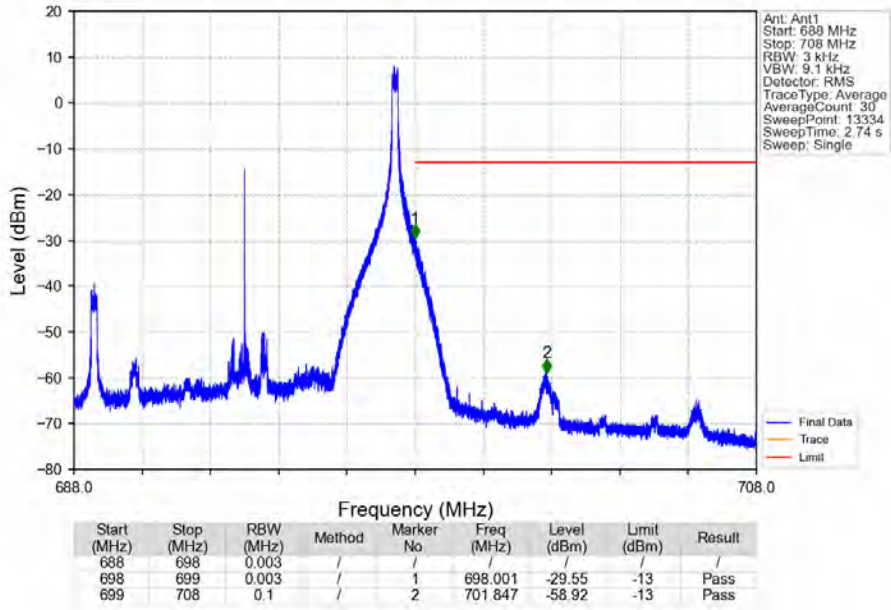
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



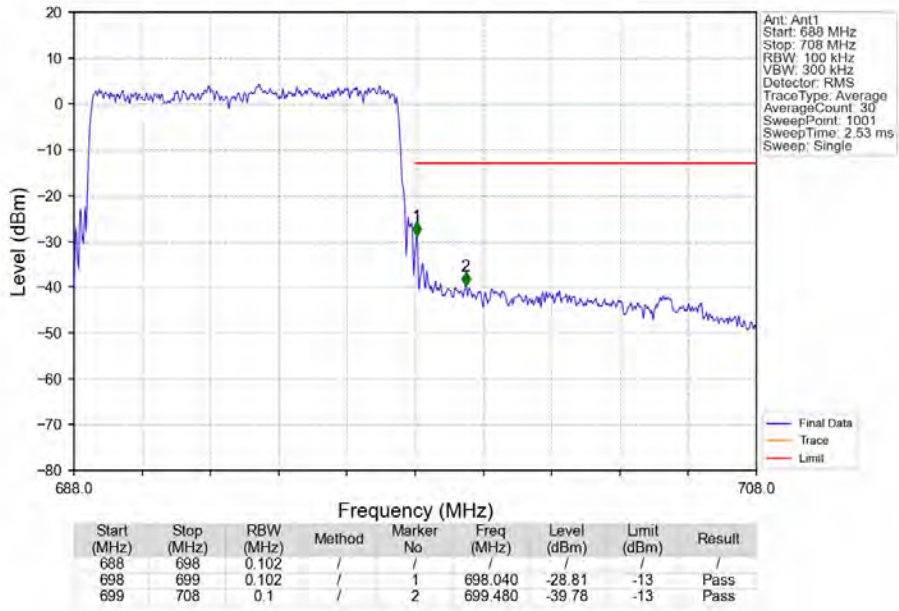
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

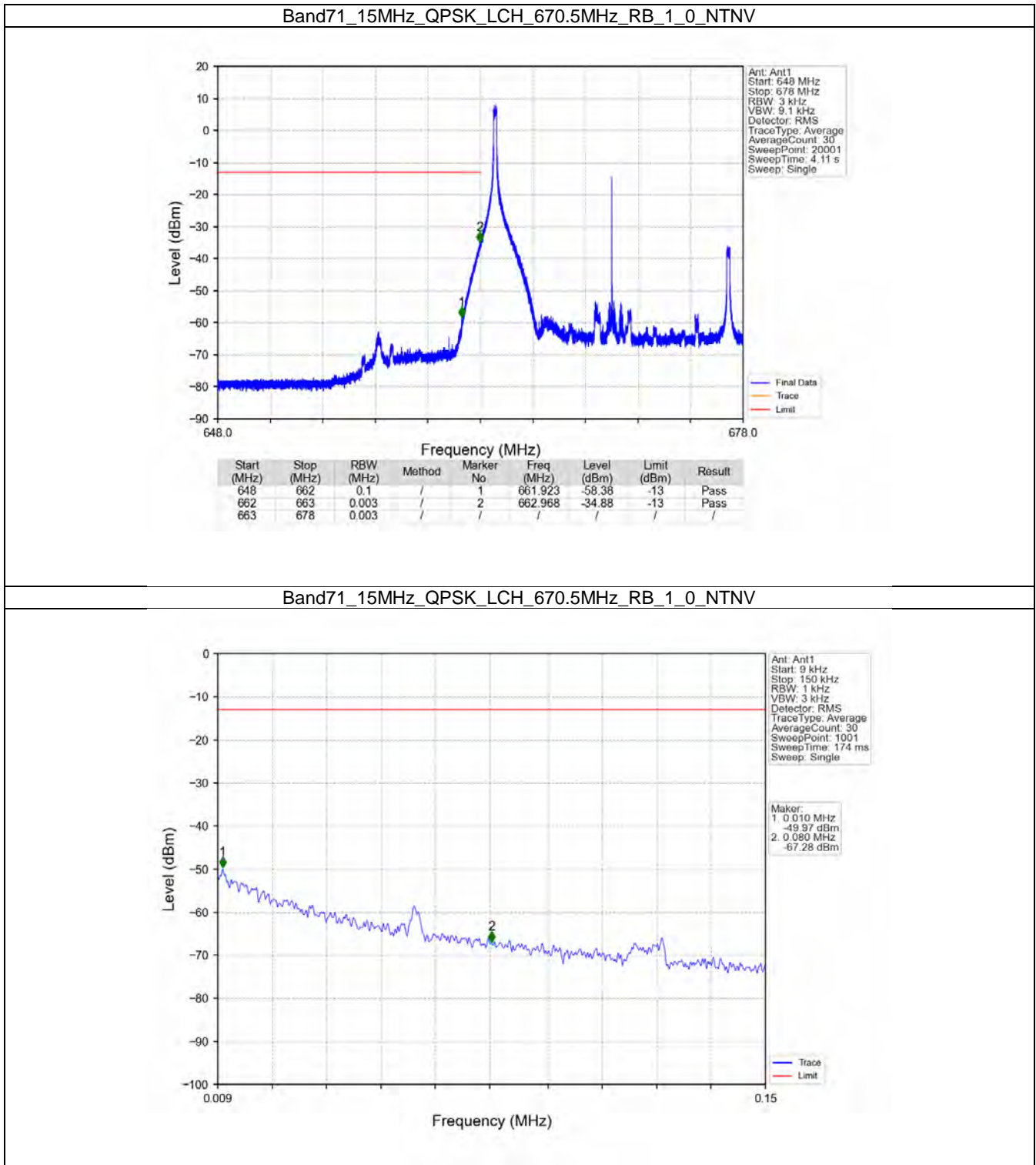


6.3 B71_15MHz

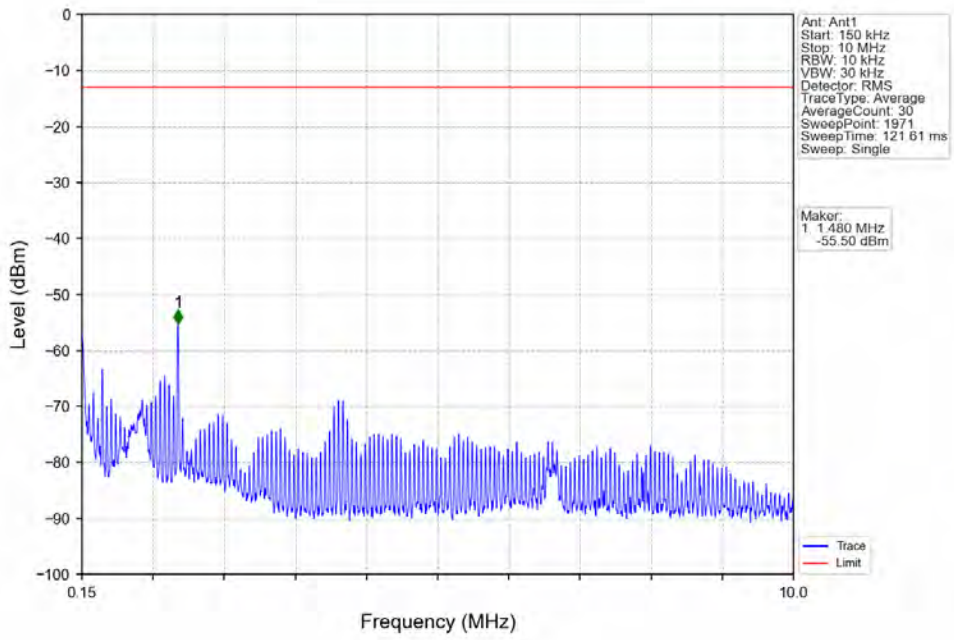
6.3.1 Test Result

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

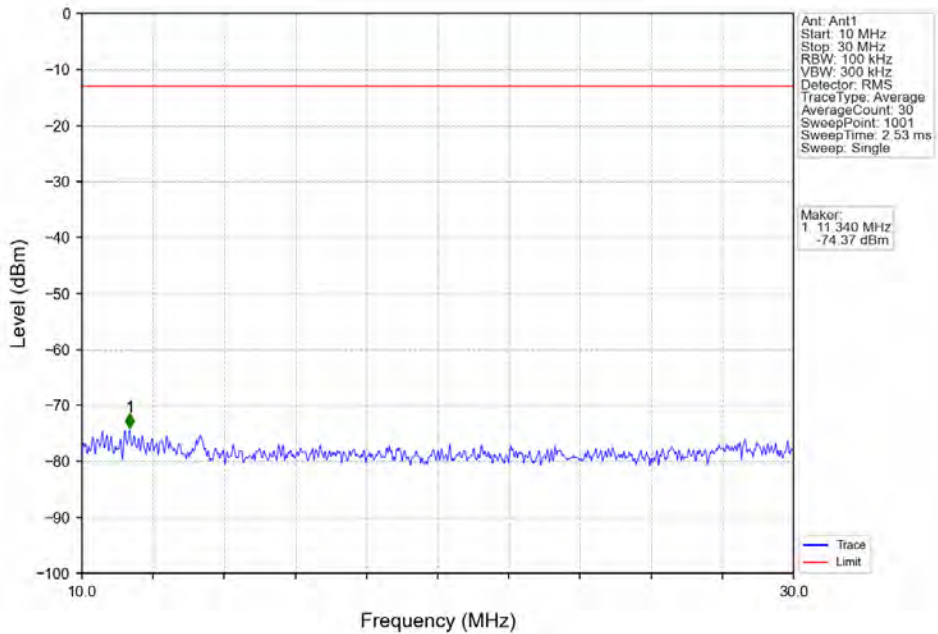
6.3.2 Test Graph



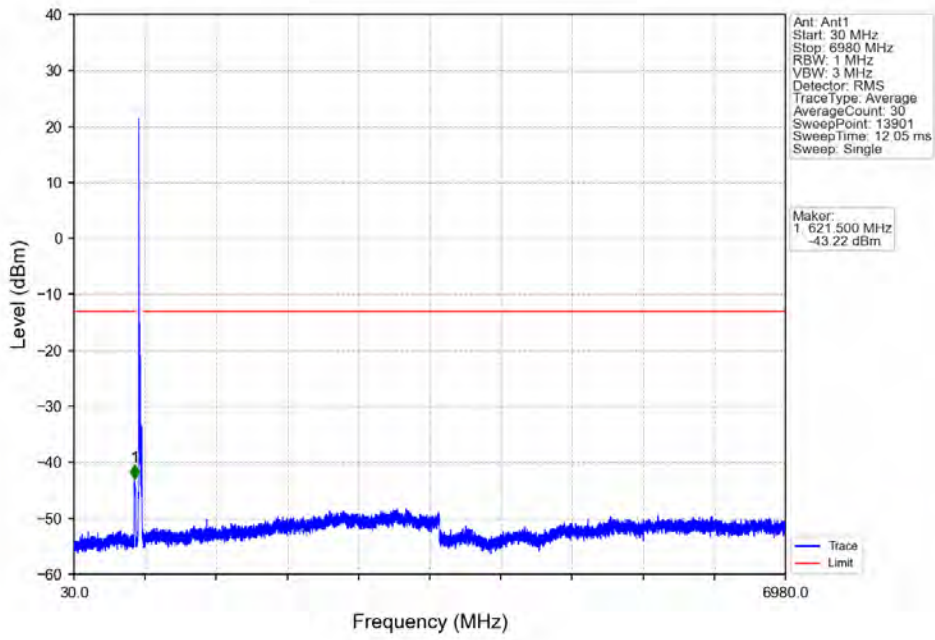
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



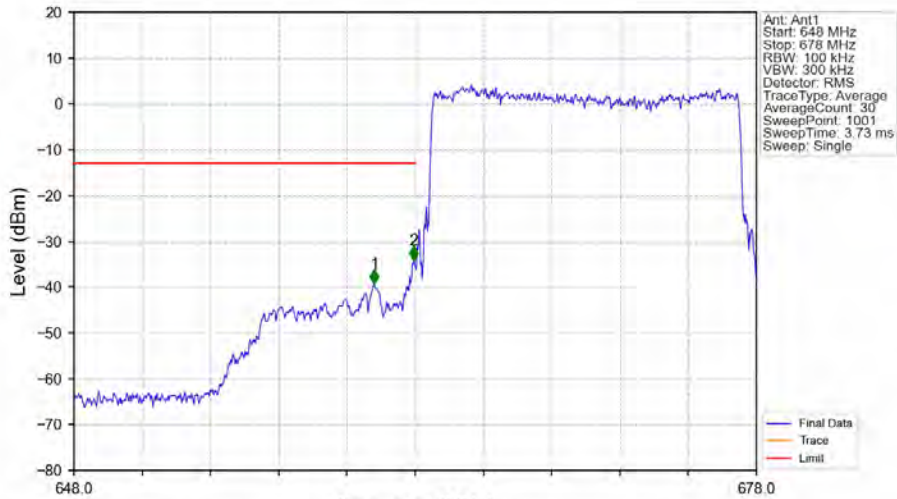
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

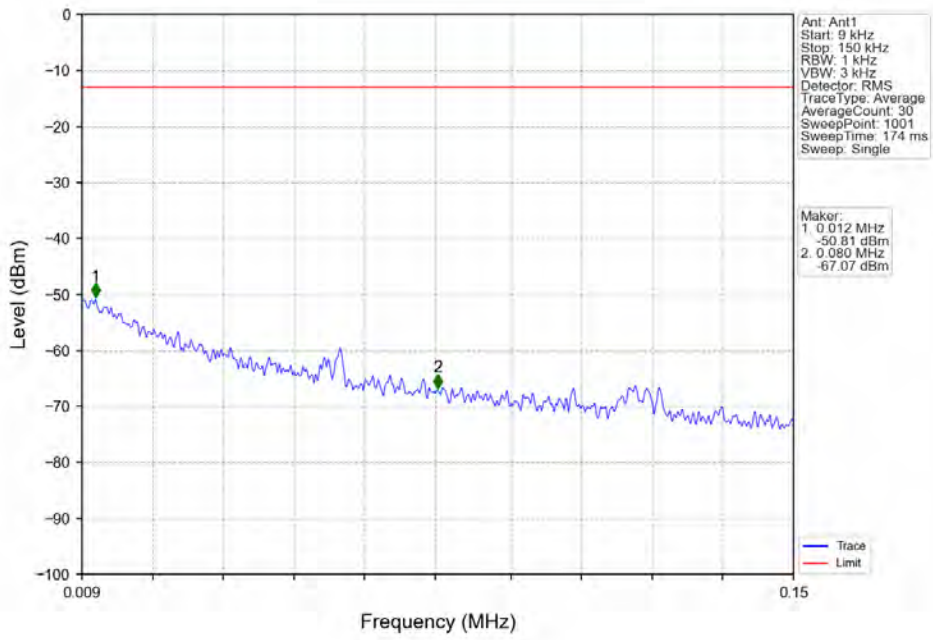


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

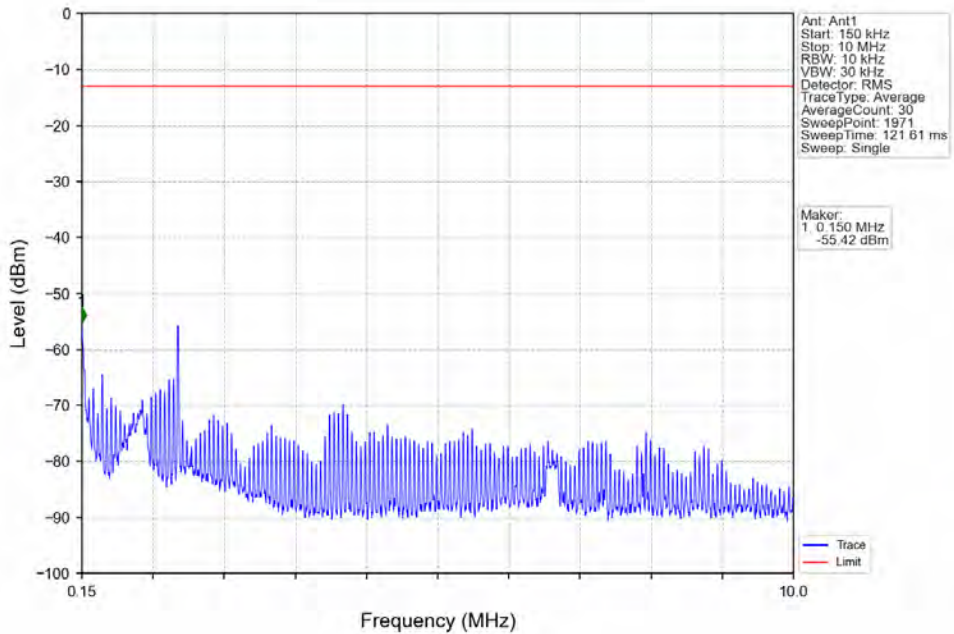


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.200	-39.28	-13	Pass
662	663	0.152	/	2	662.940	-34.13	-13	Pass
663	678	0.152	/	/	/	/	/	/

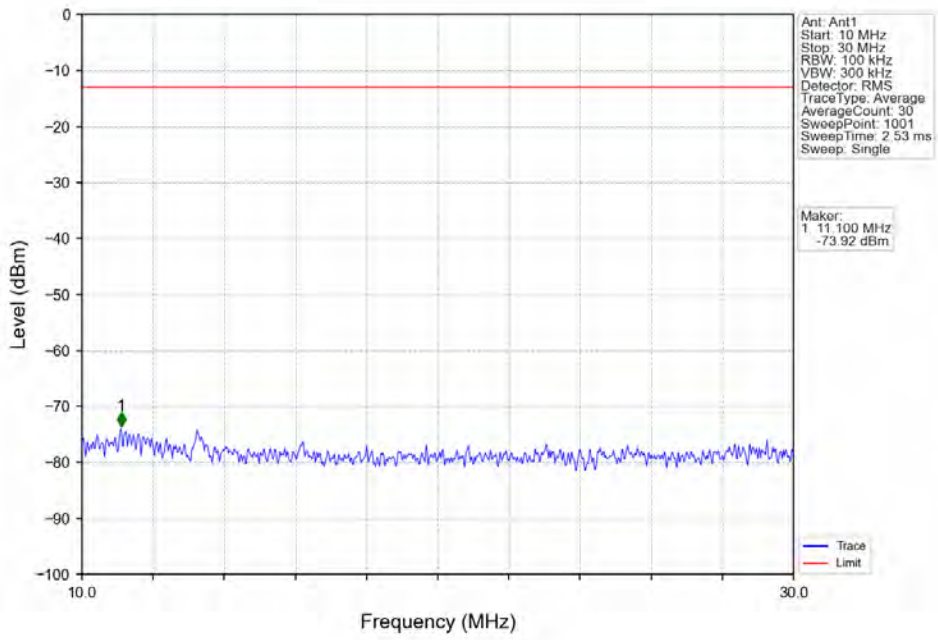
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



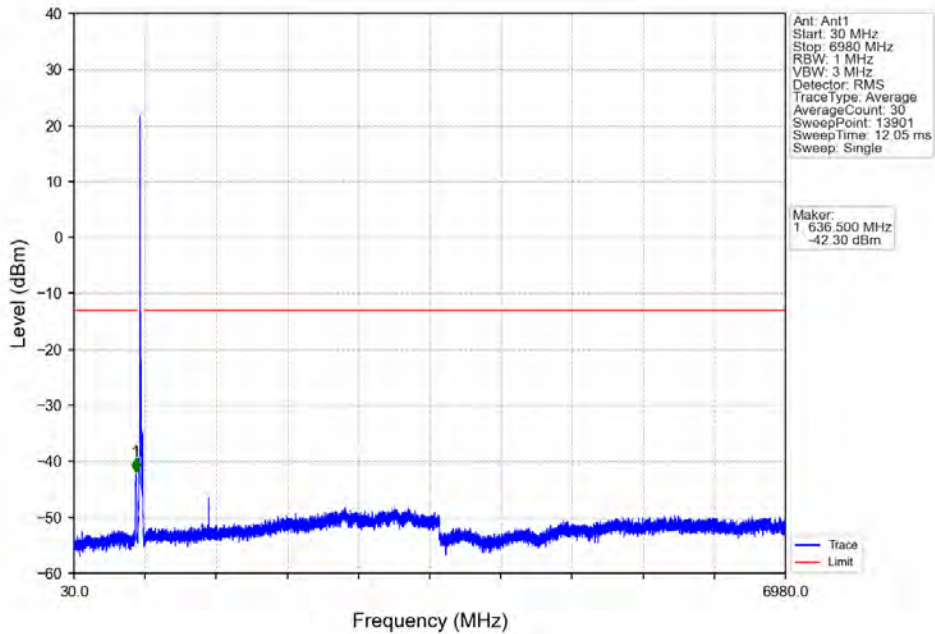
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



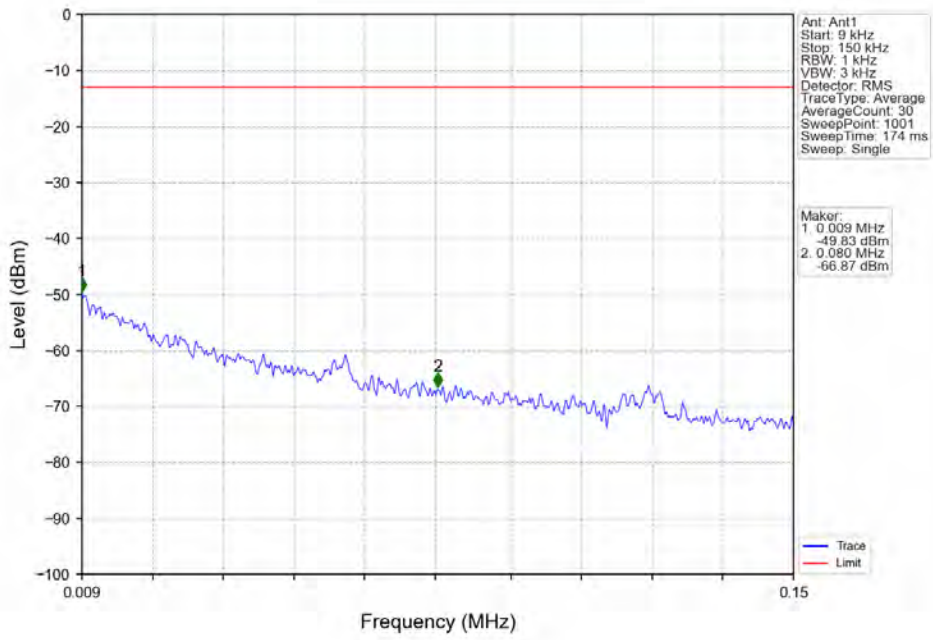
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



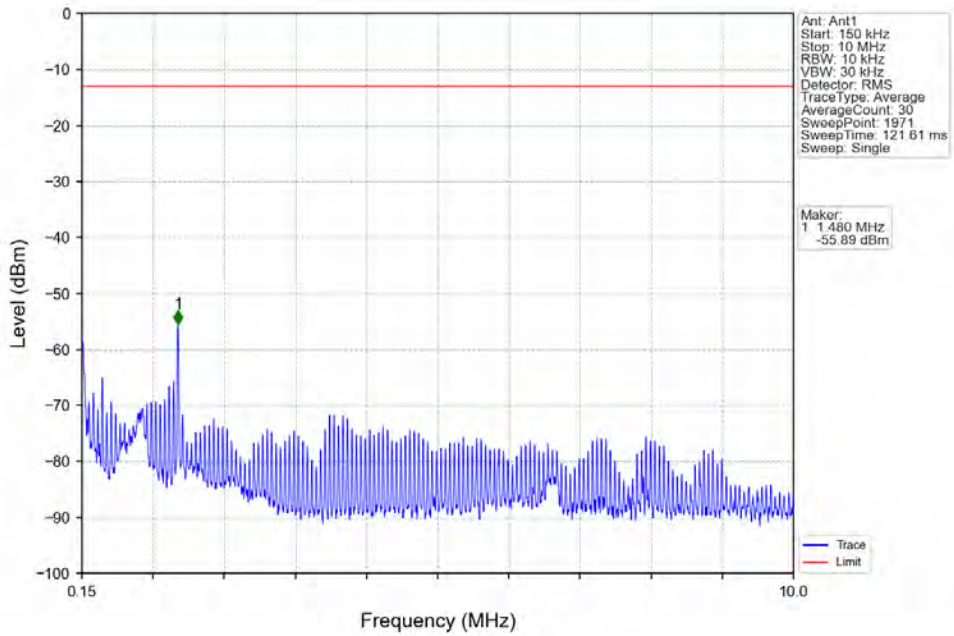
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



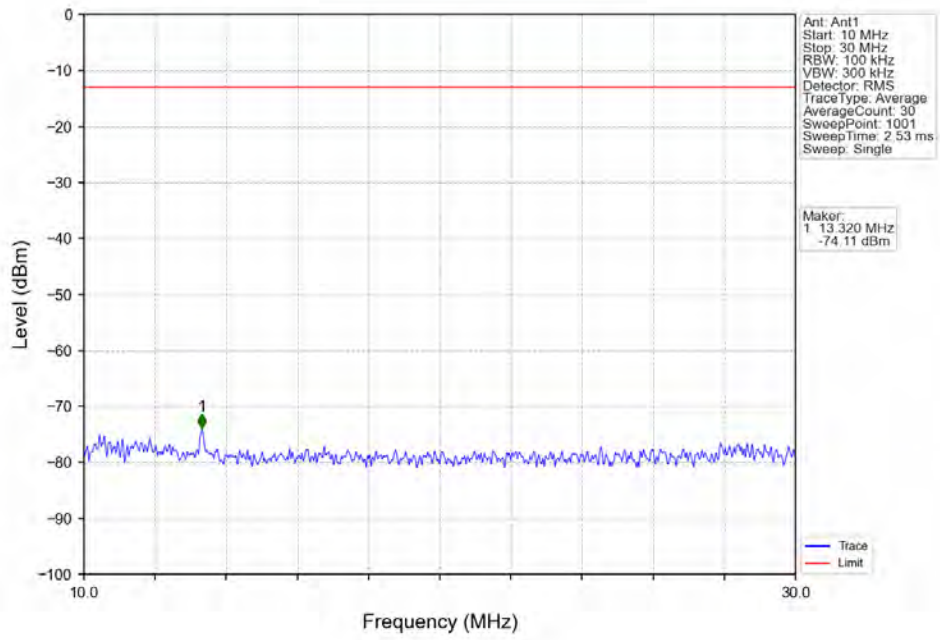
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



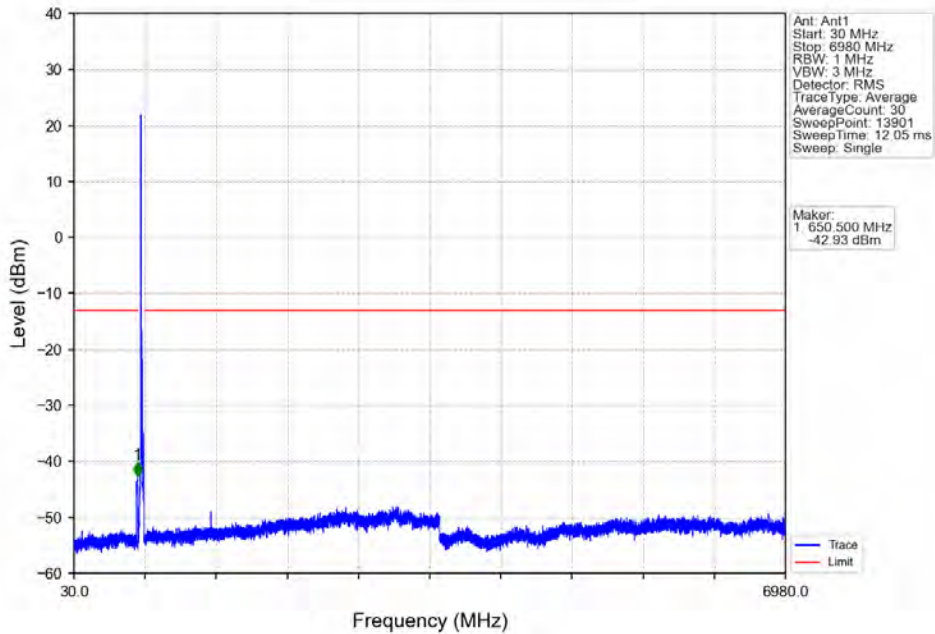
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



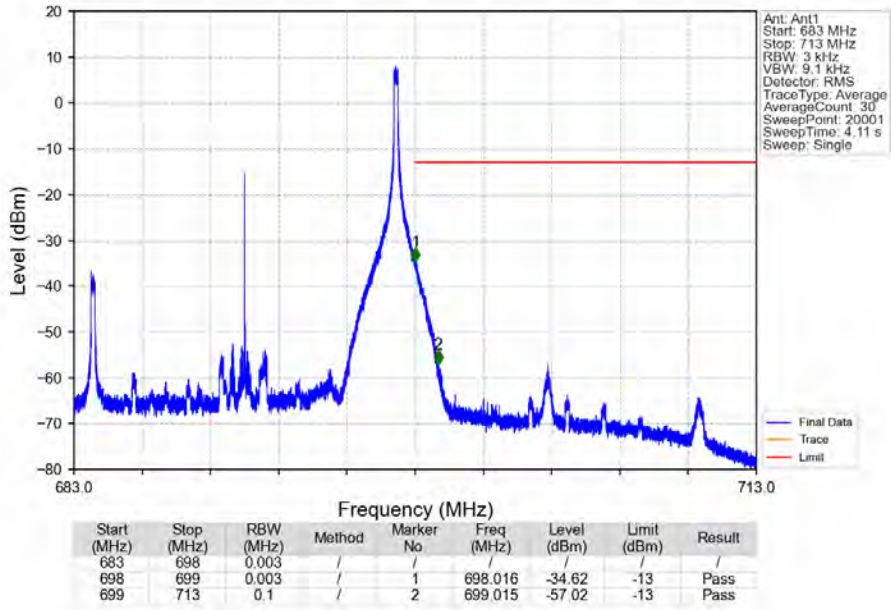
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



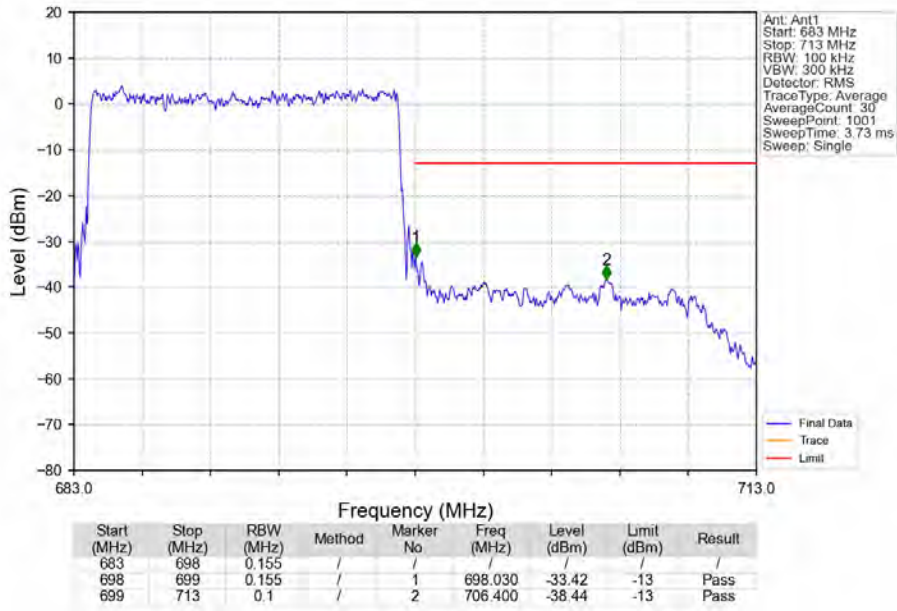
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



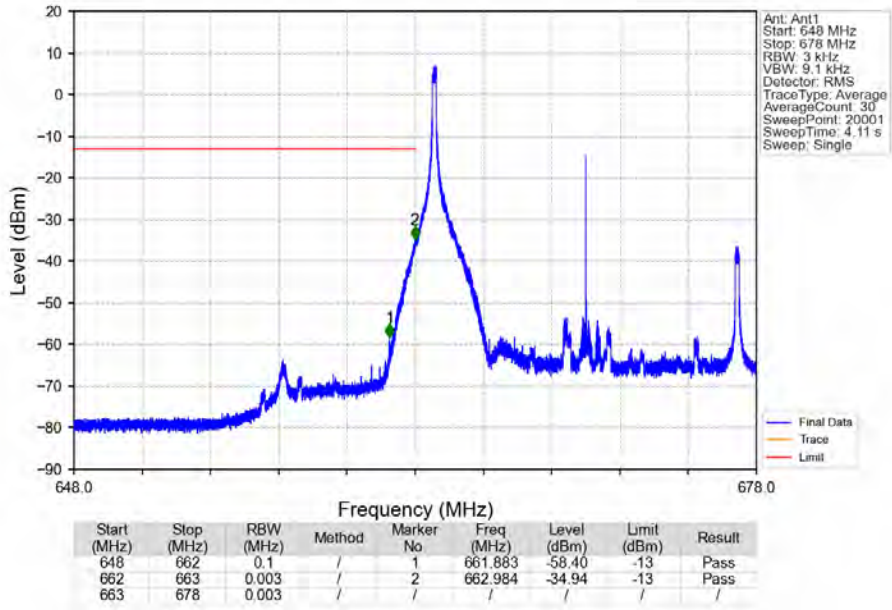
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



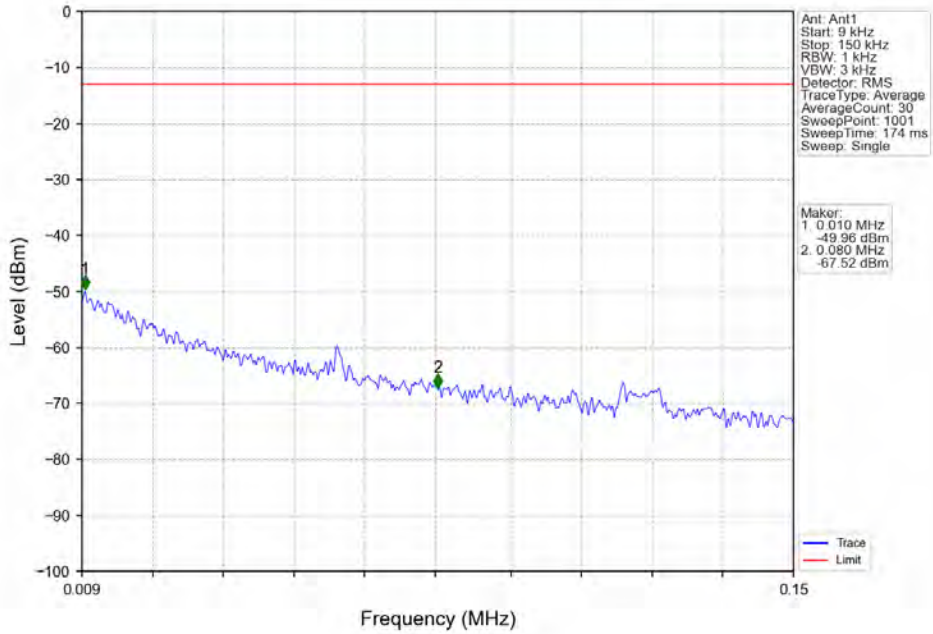
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



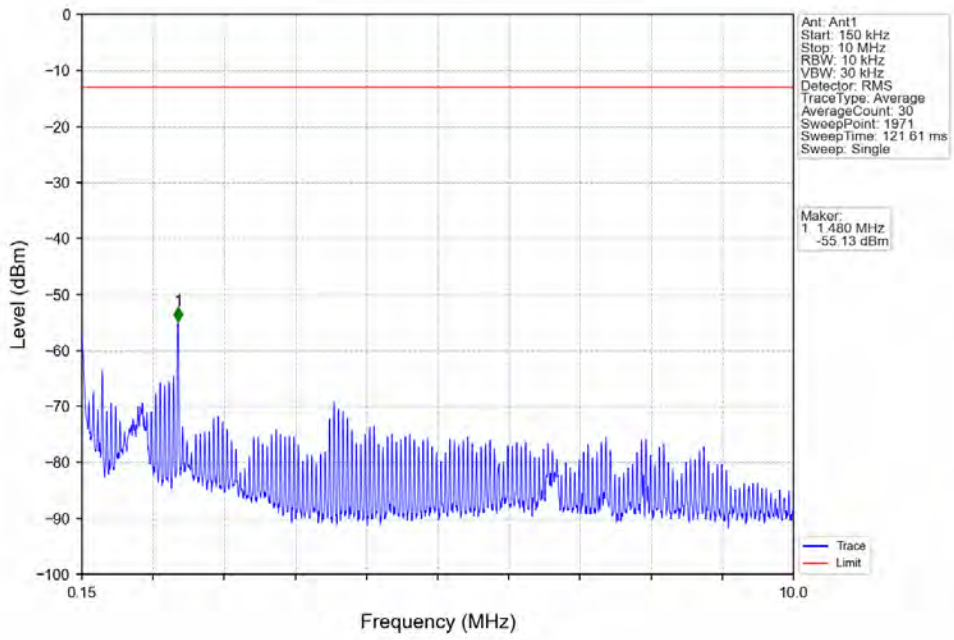
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



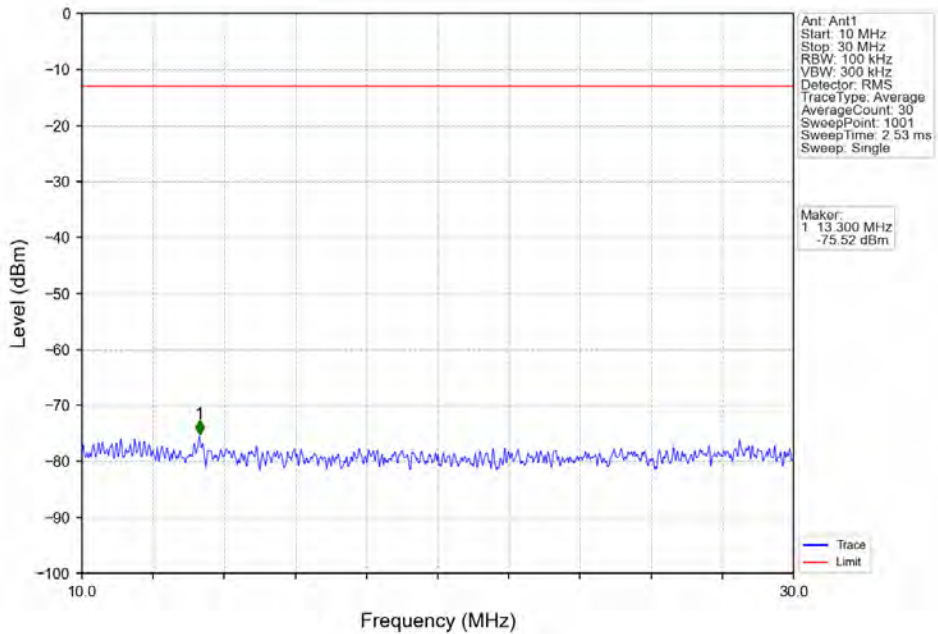
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



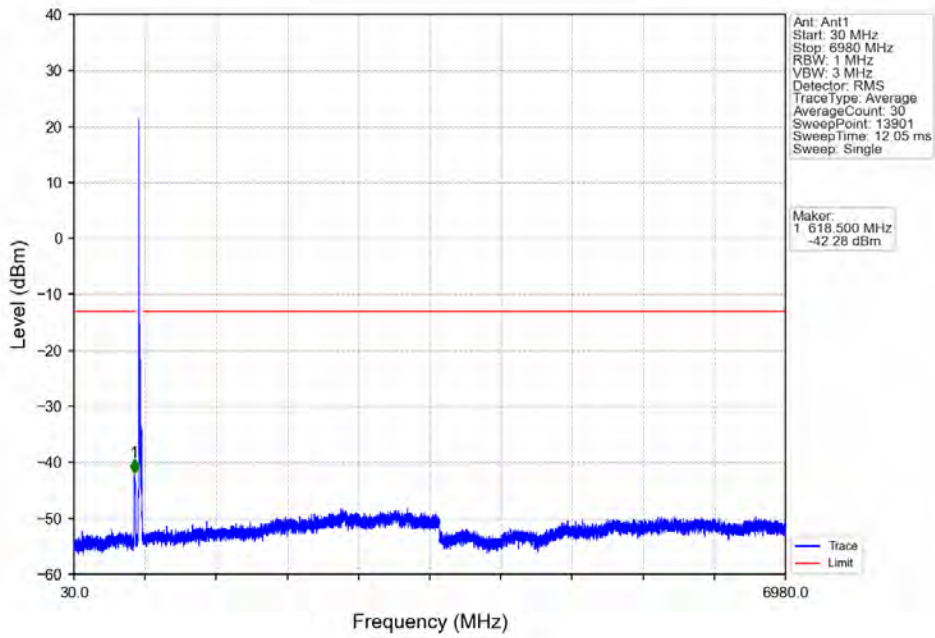
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



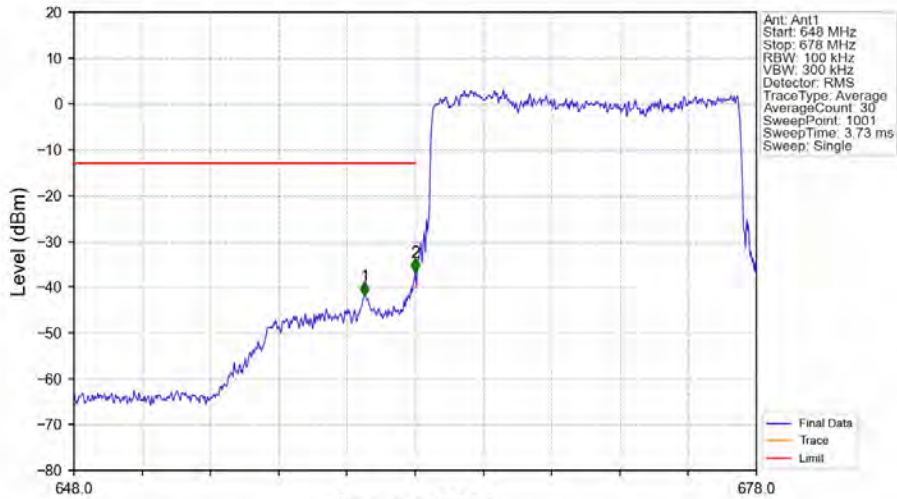
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

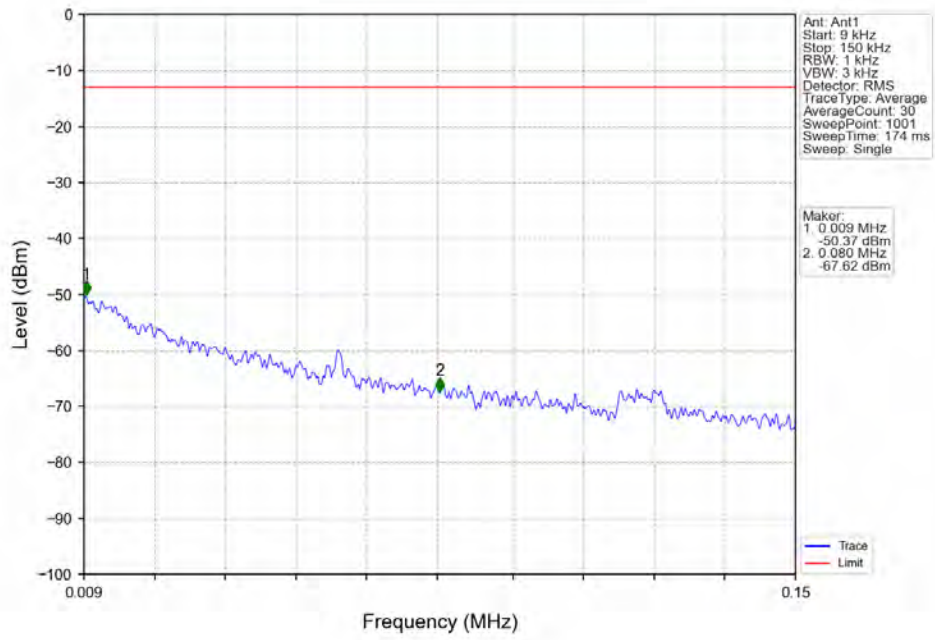


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

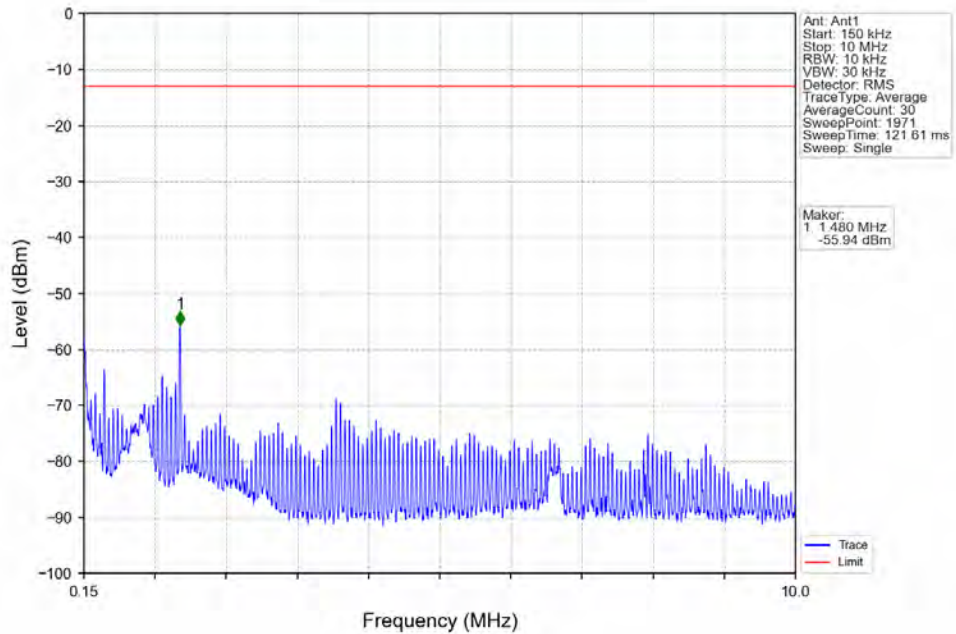


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	660.780	-41.89	-13	Pass
662	663	0.152	/	2	663.000	-36.80	-13	Pass
663	678	0.152	/	/	/	/	/	/

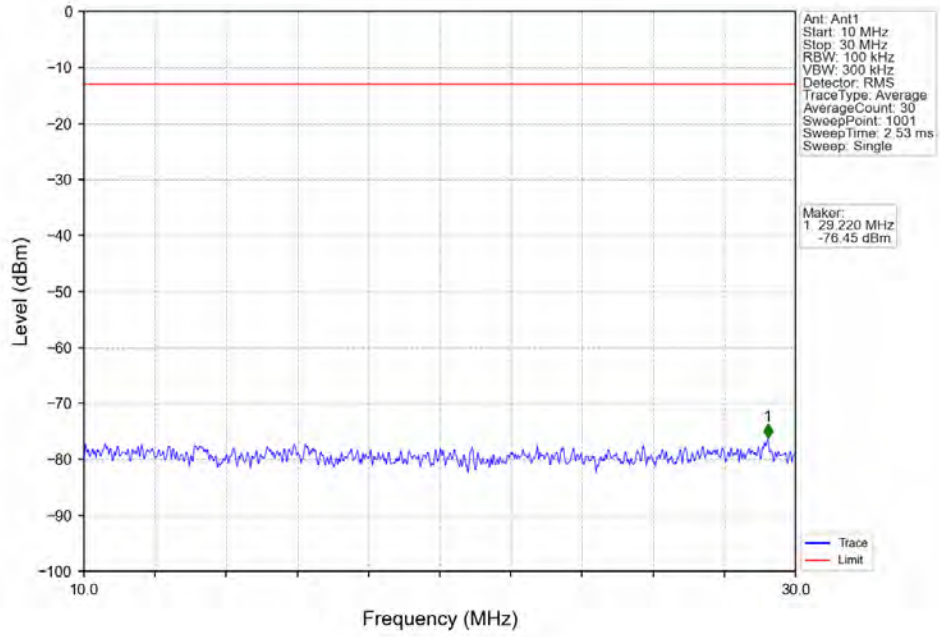
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



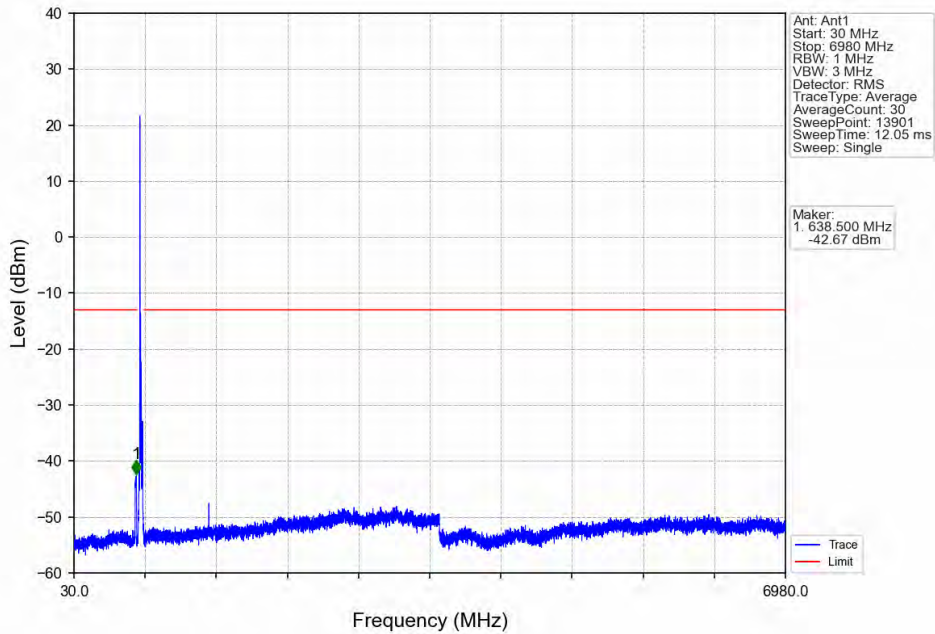
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



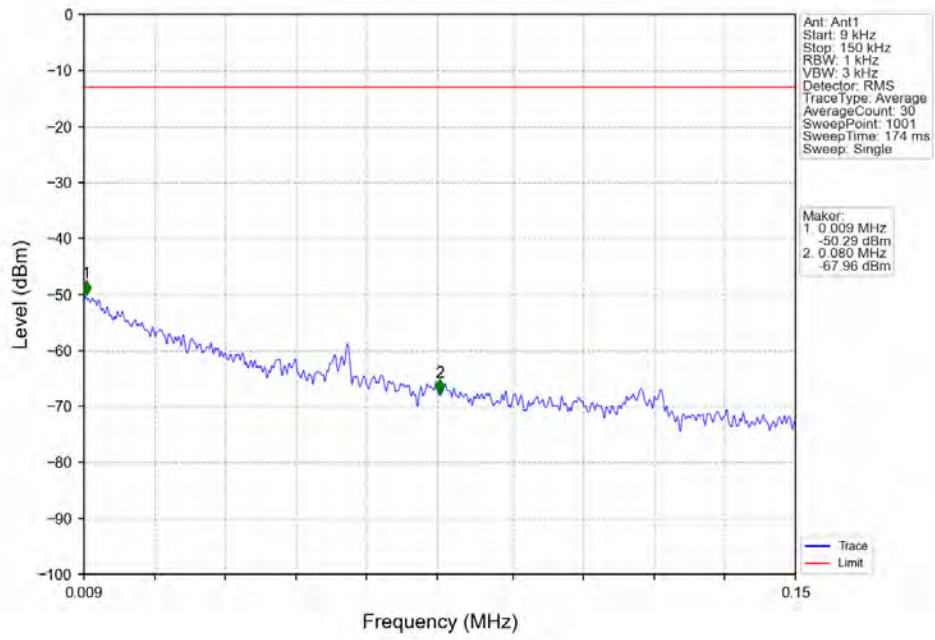
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



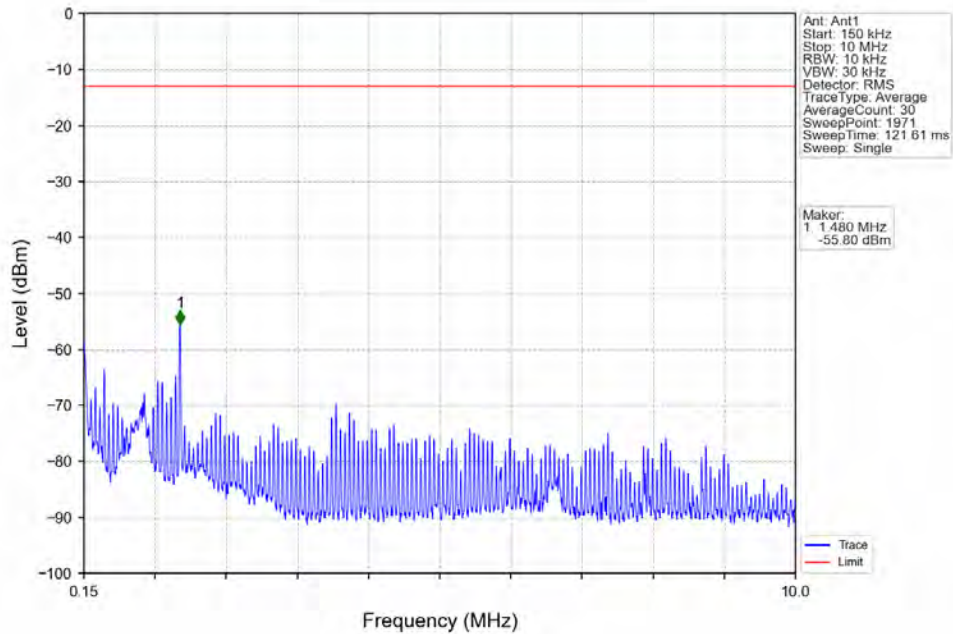
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



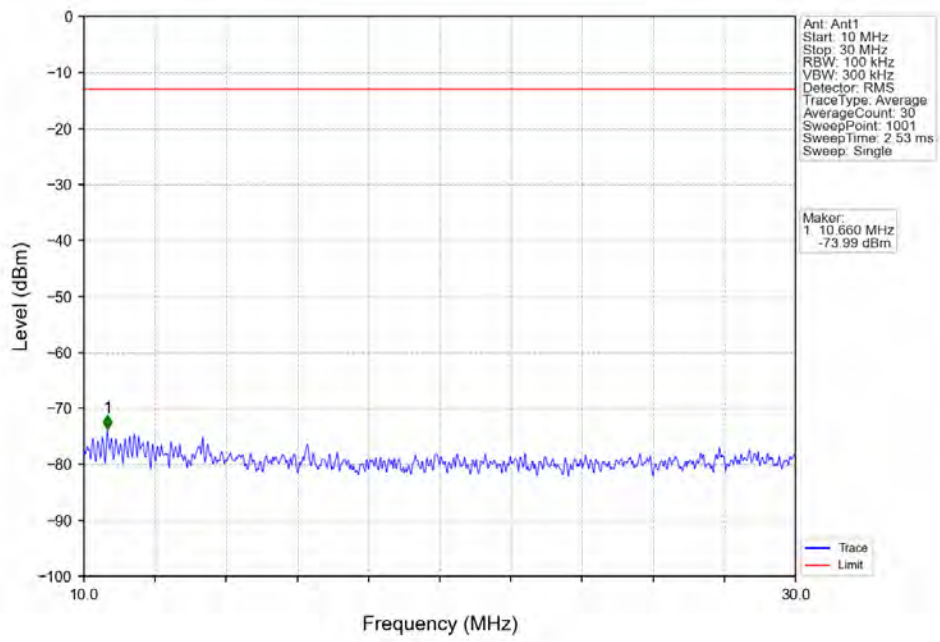
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



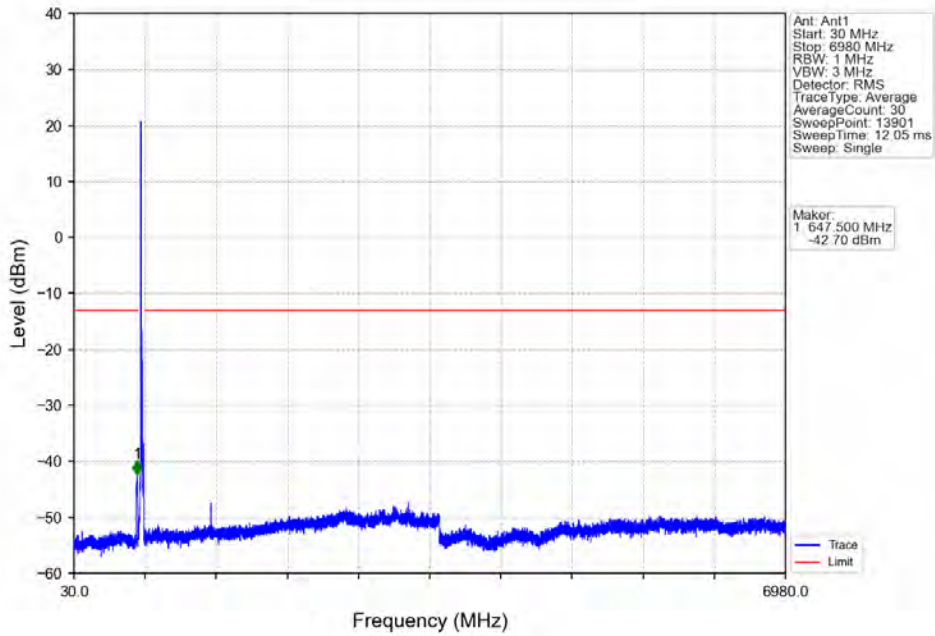
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



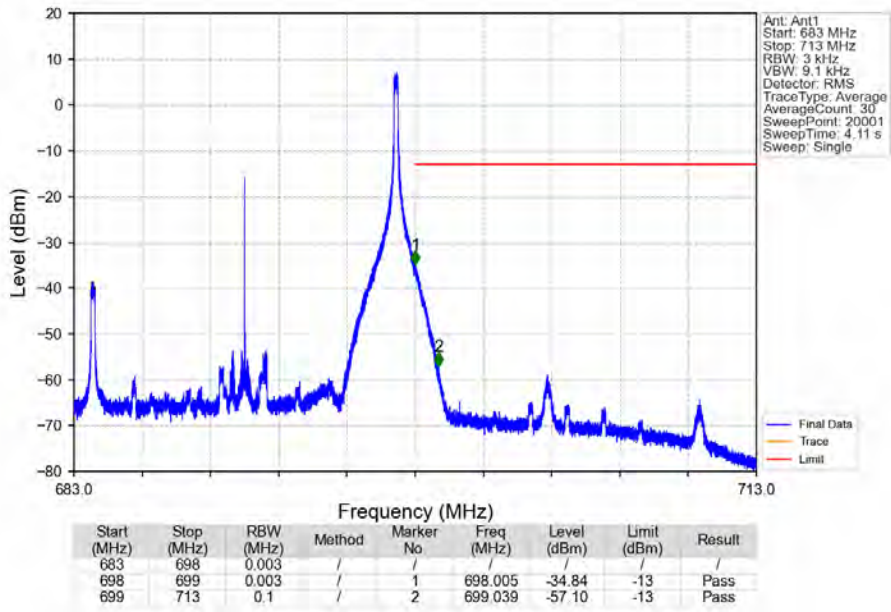
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



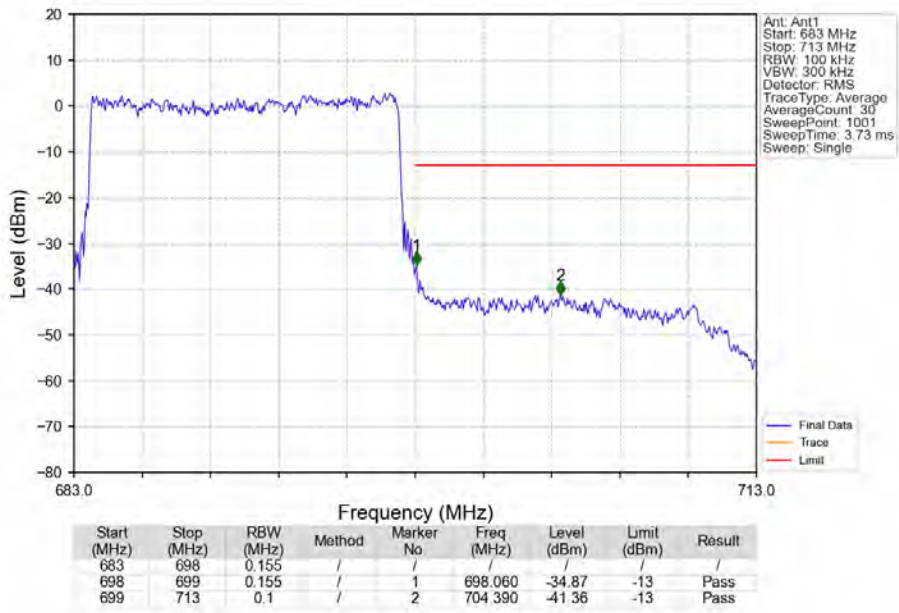
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

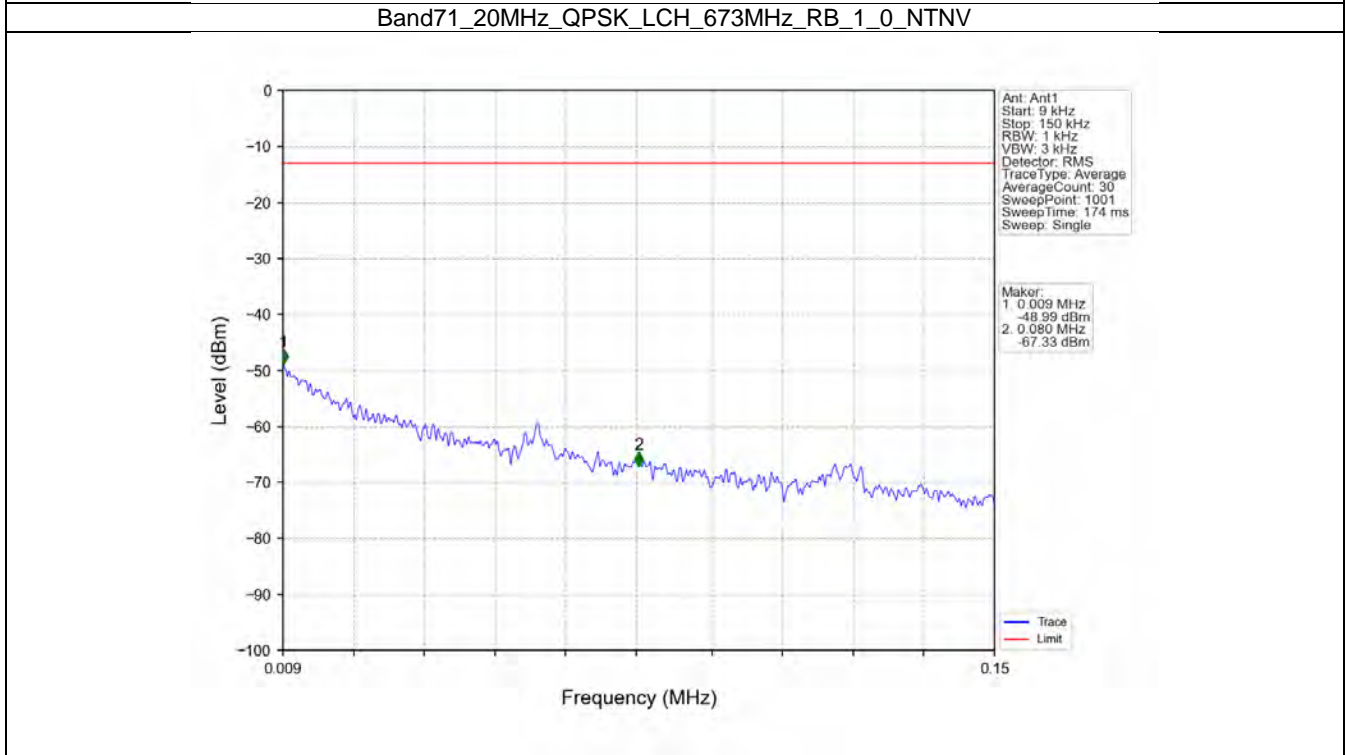
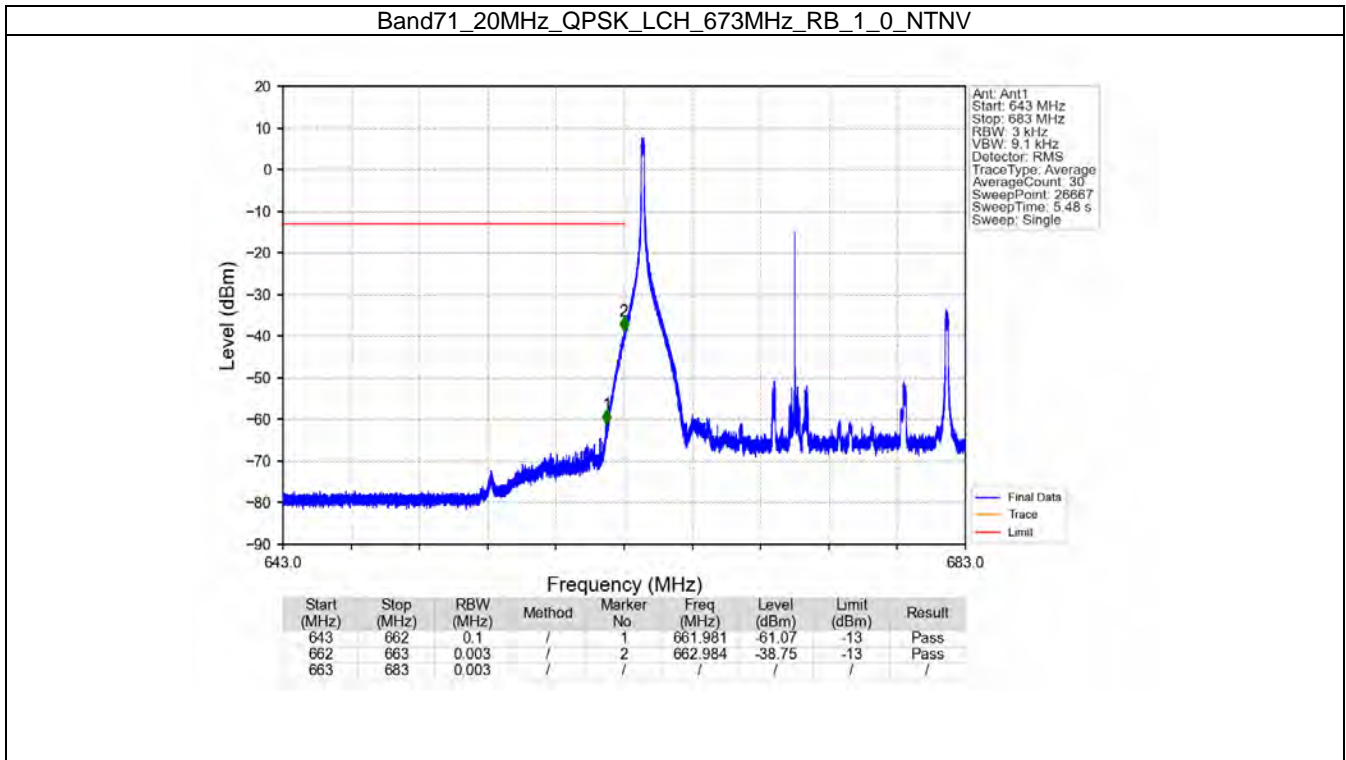


6.4 B71_20MHz

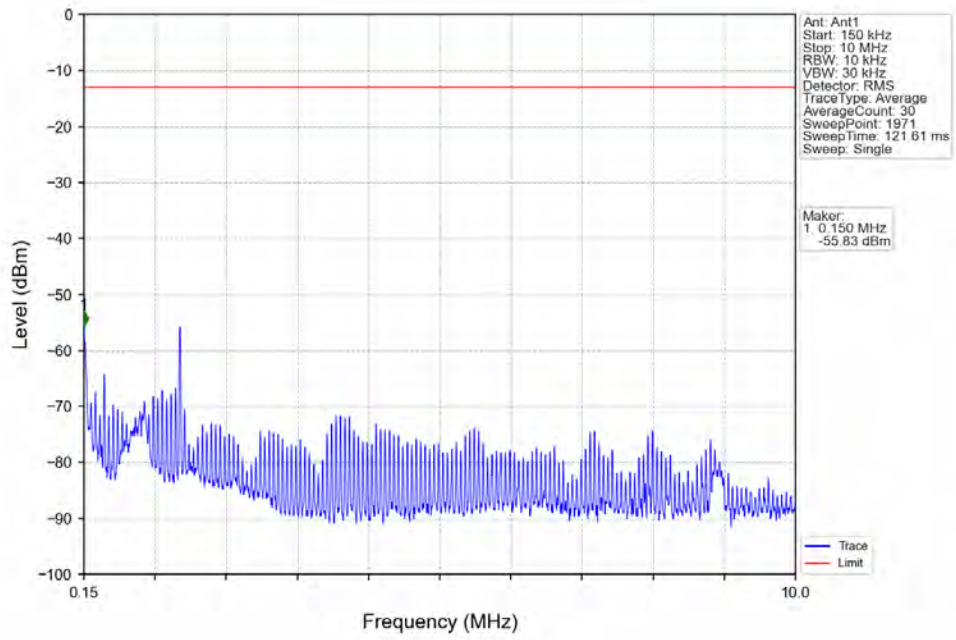
6.4.1 Test Result

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

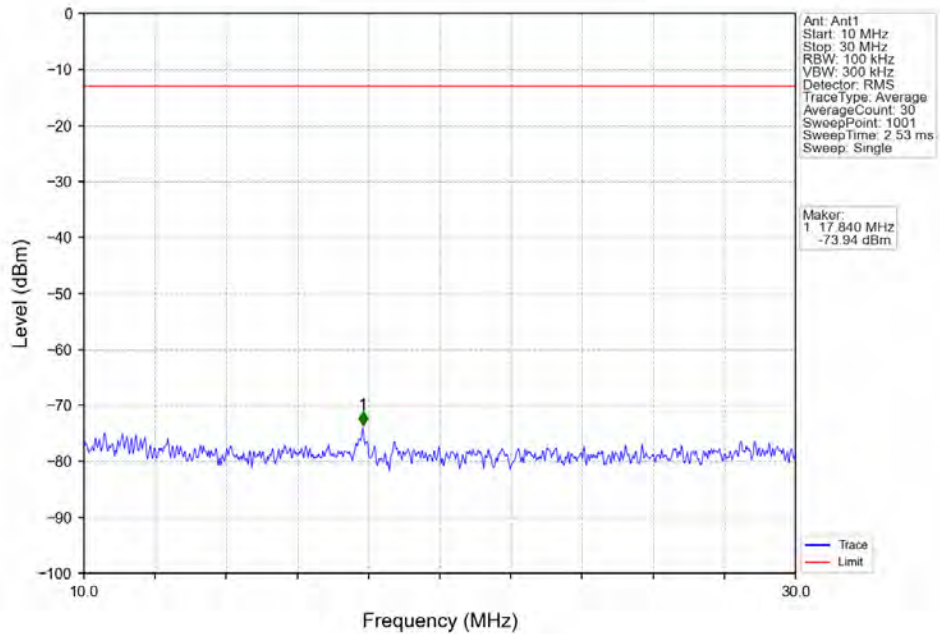
6.4.2 Test Graph



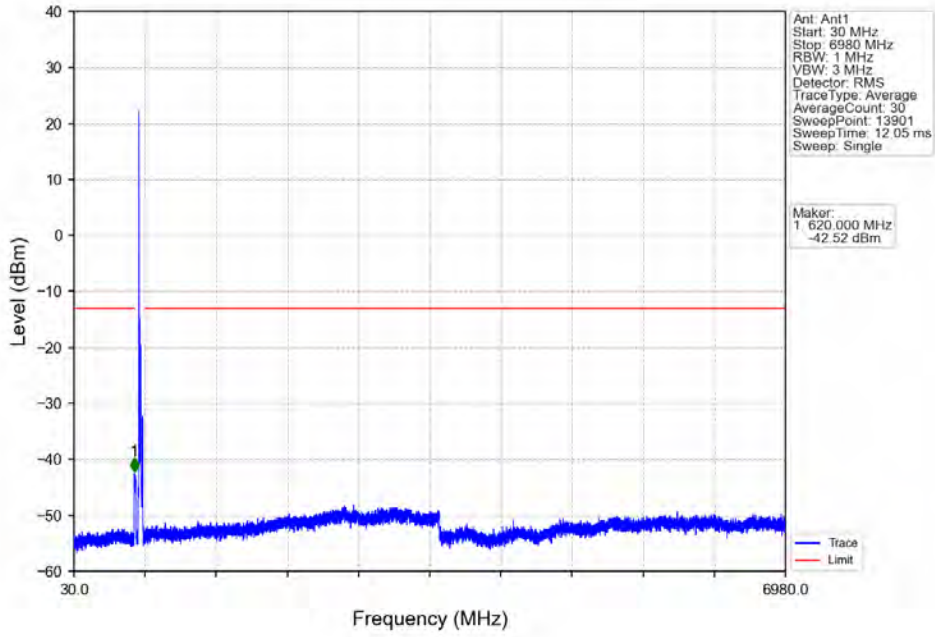
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



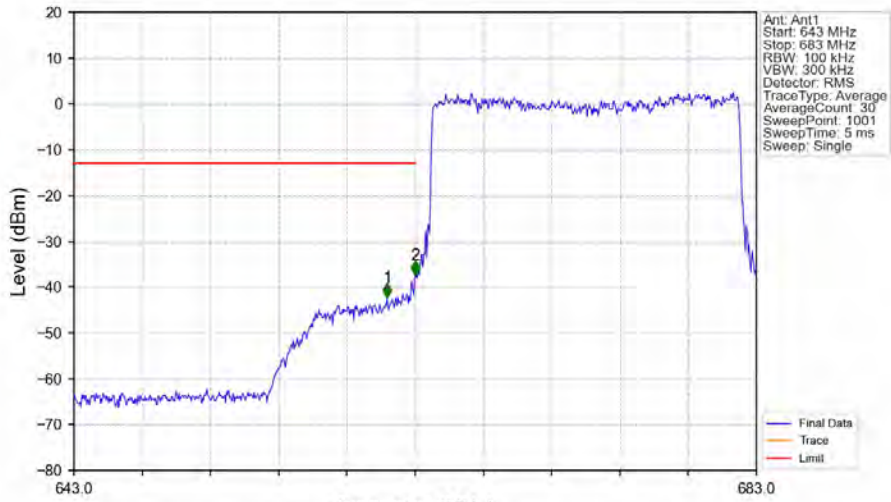
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

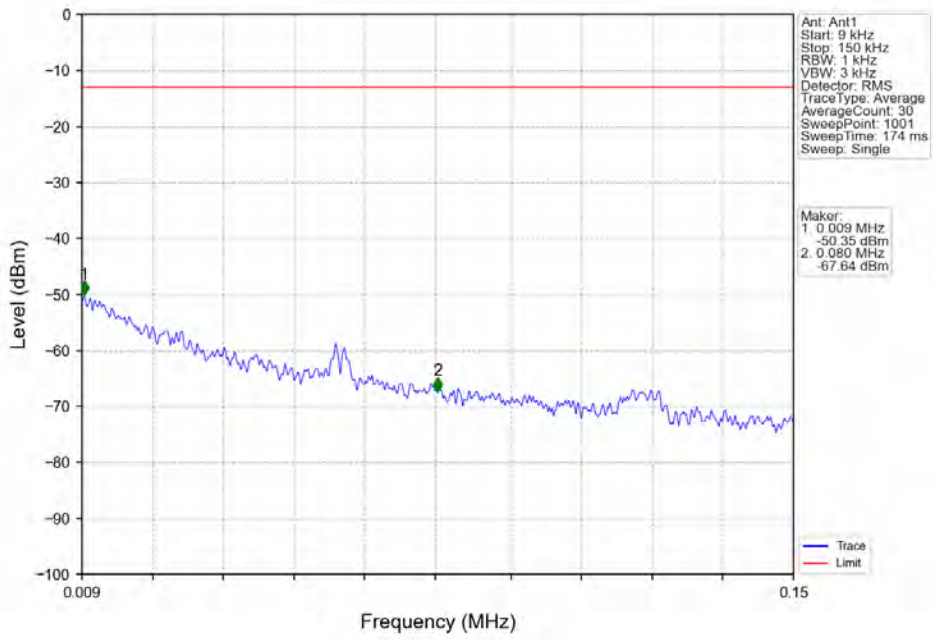


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

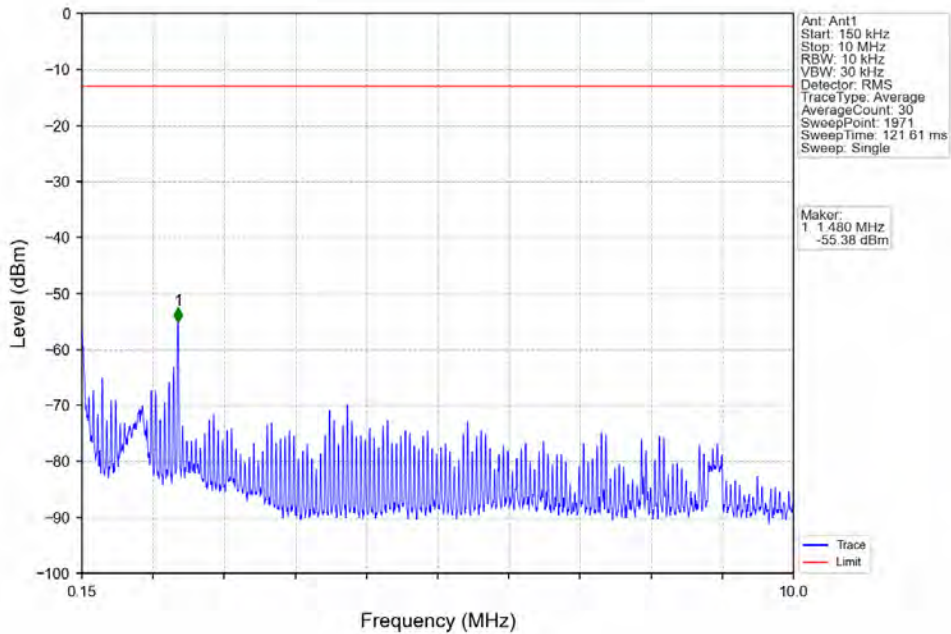


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.360	-42.22	-13	Pass
662	663	0.203	/	2	663.000	-37.33	-13	Pass
663	683	0.203	/	/	/	/	/	/

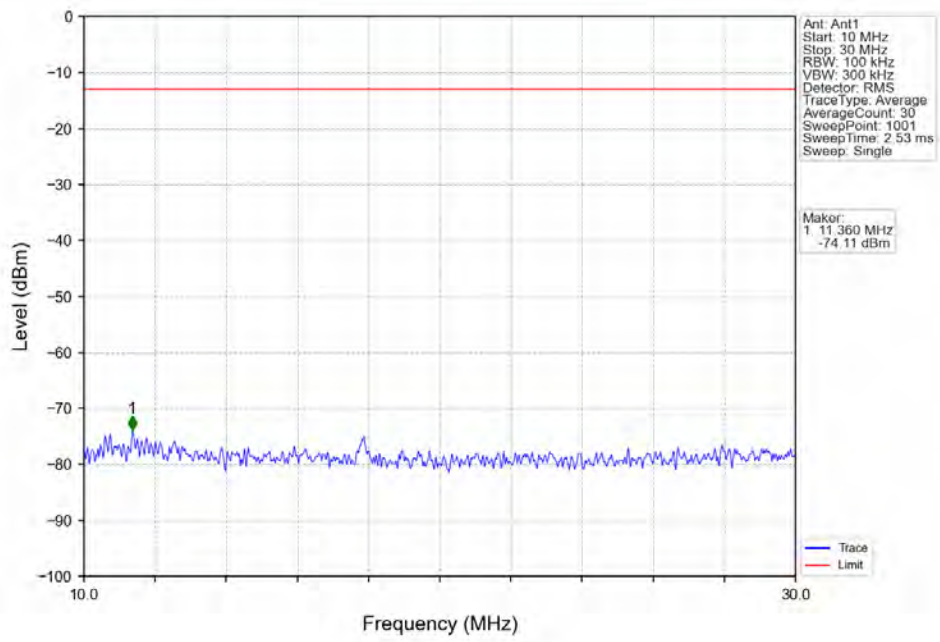
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



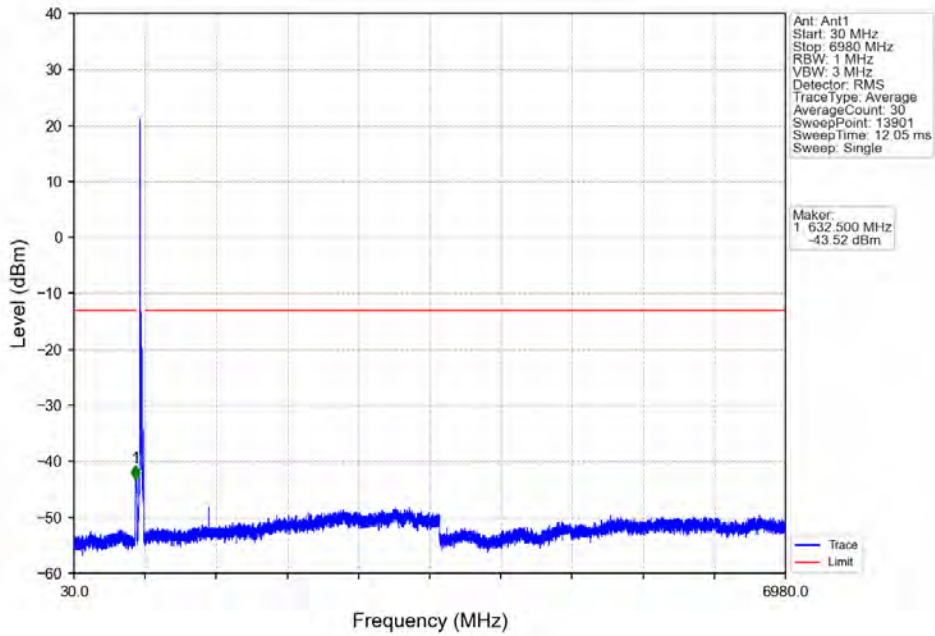
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



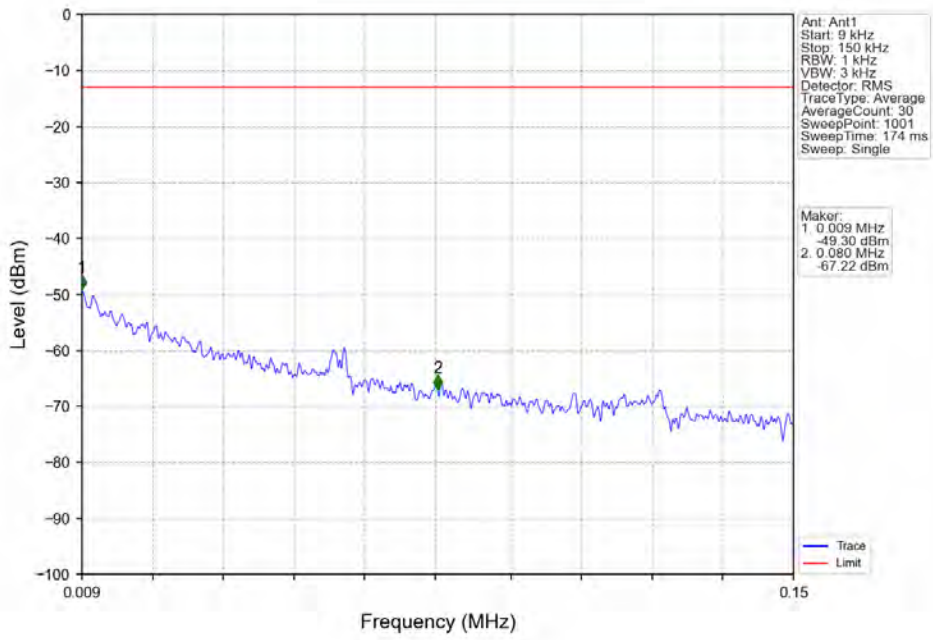
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



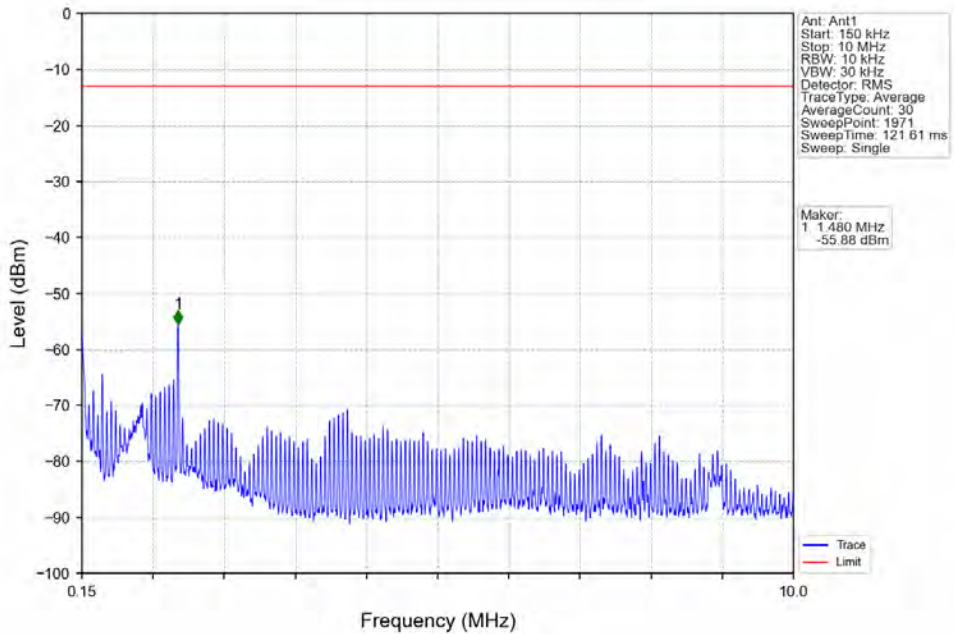
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



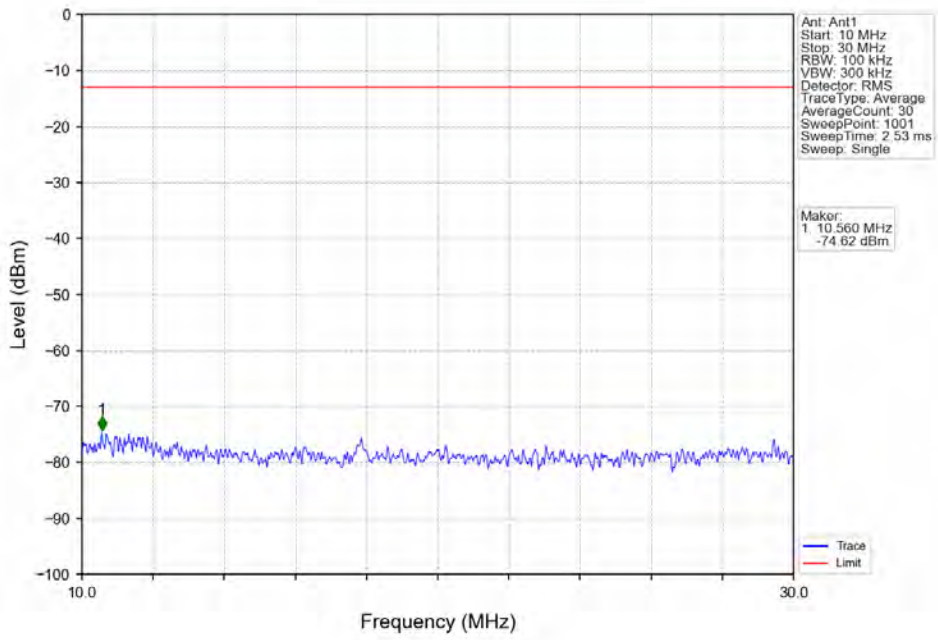
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



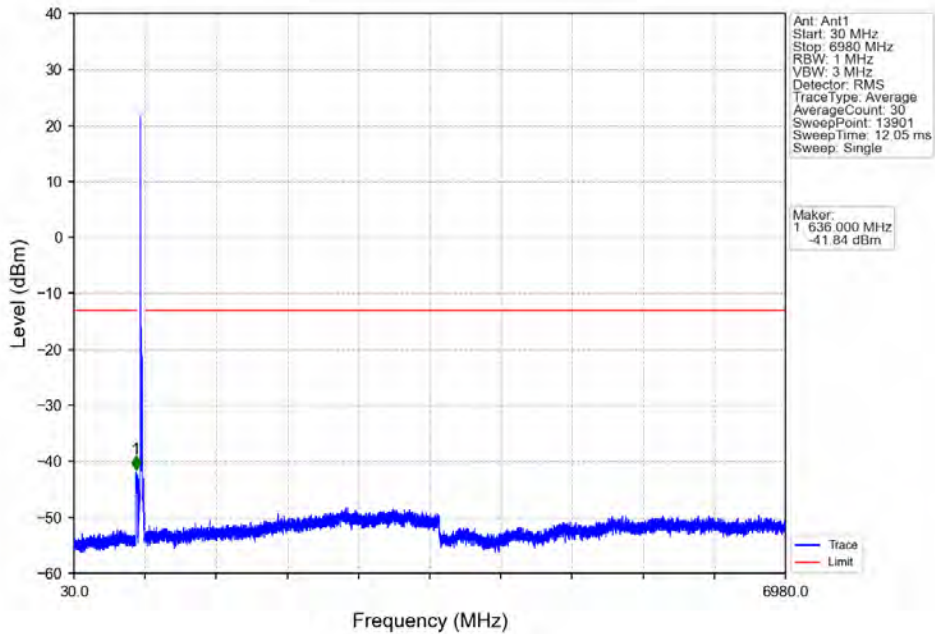
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



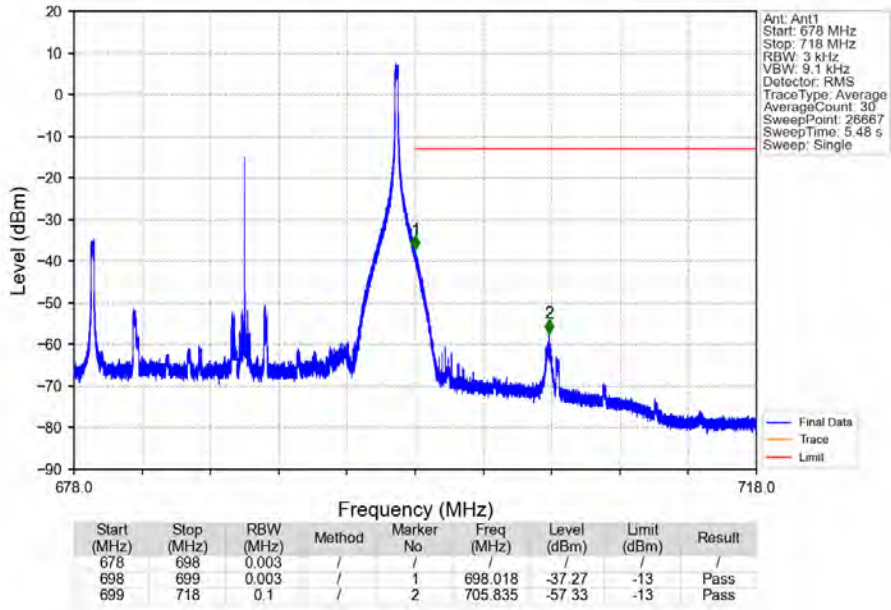
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



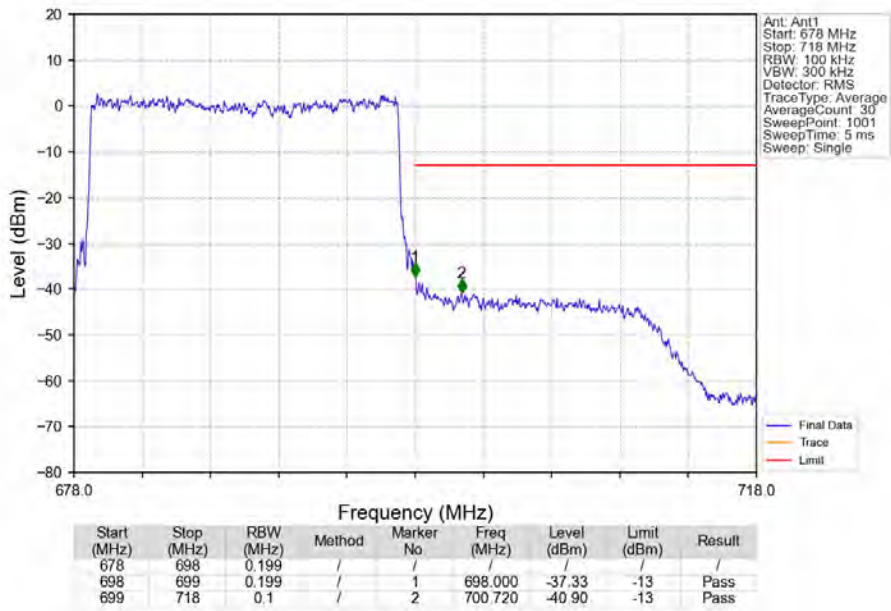
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



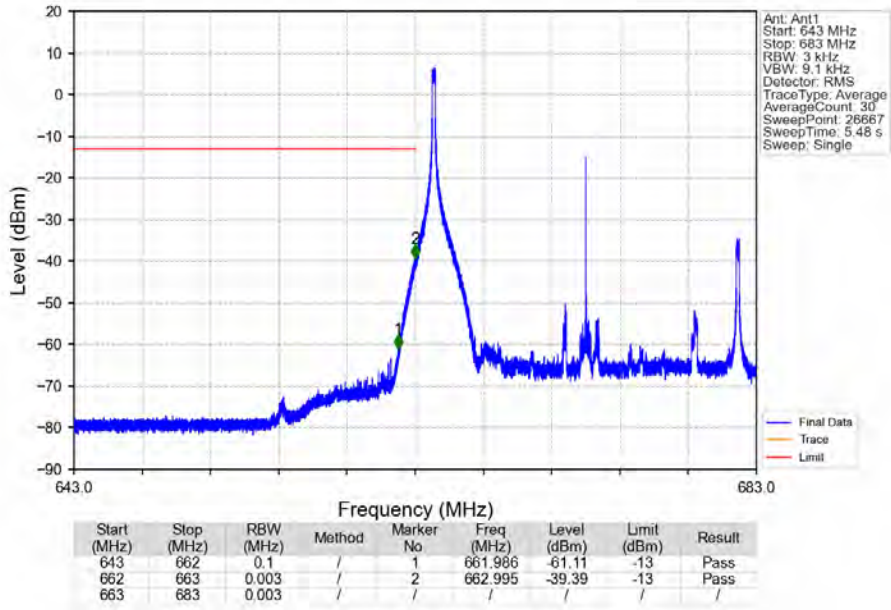
Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



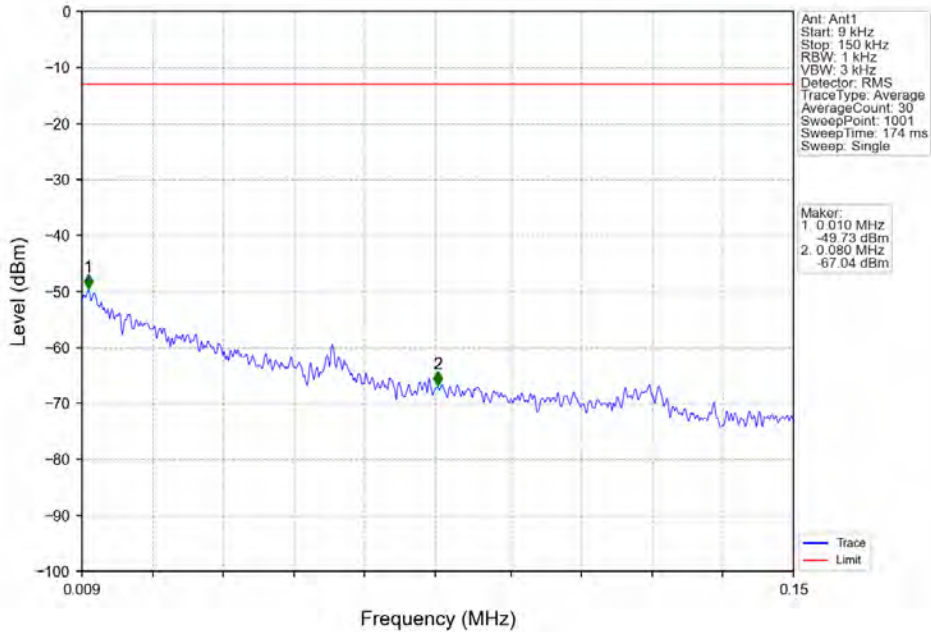
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



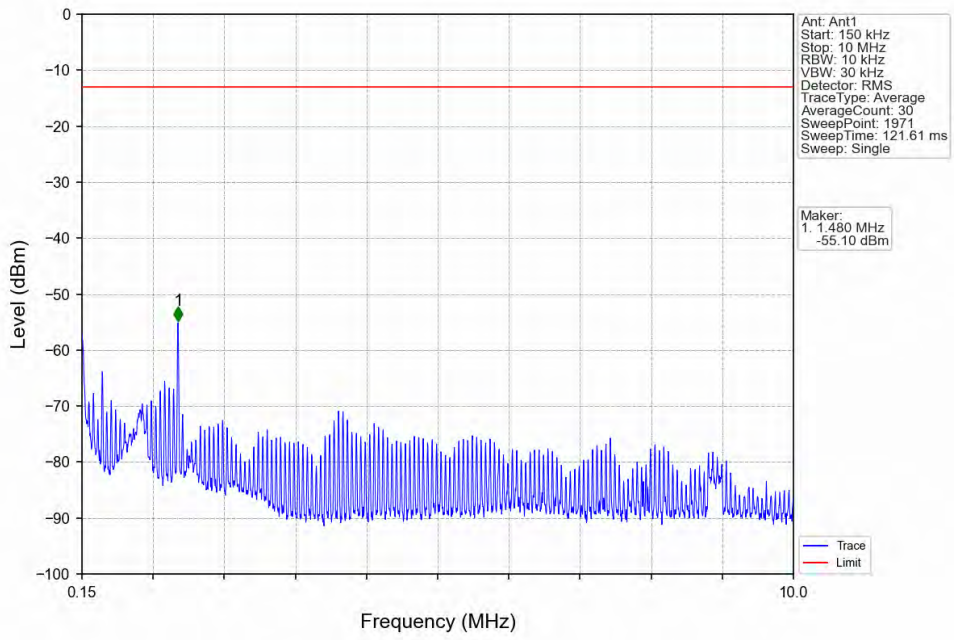
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



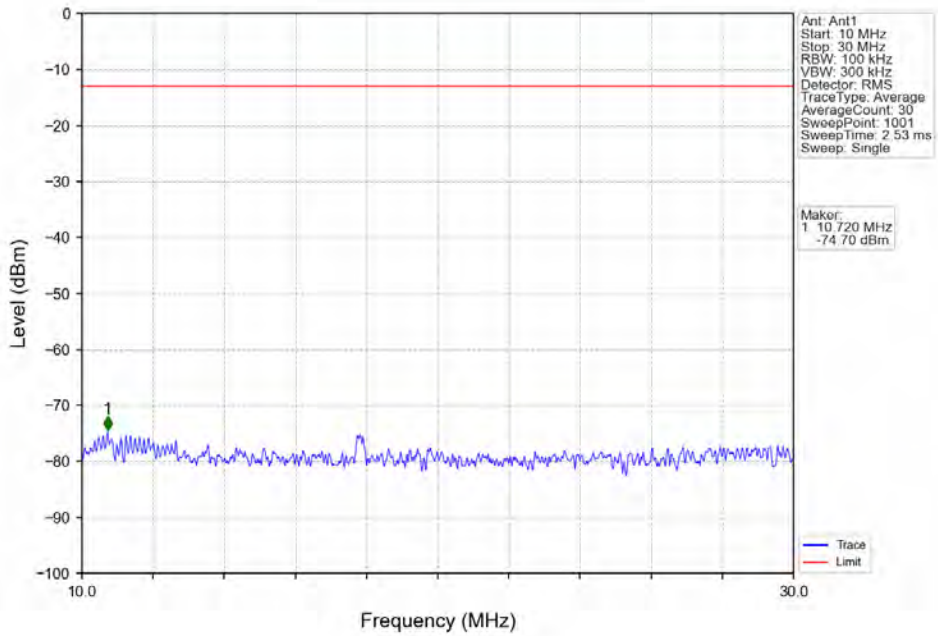
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



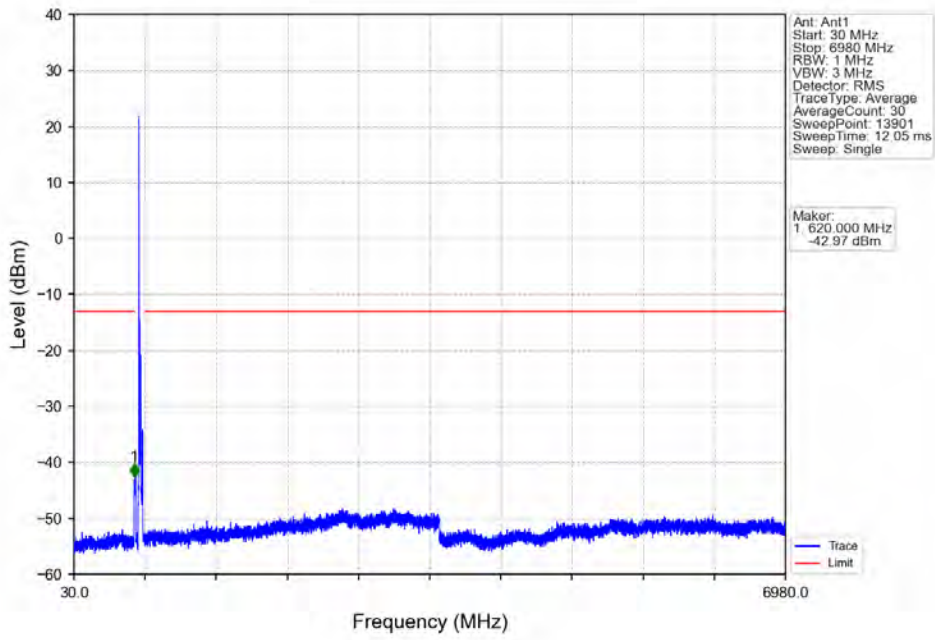
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



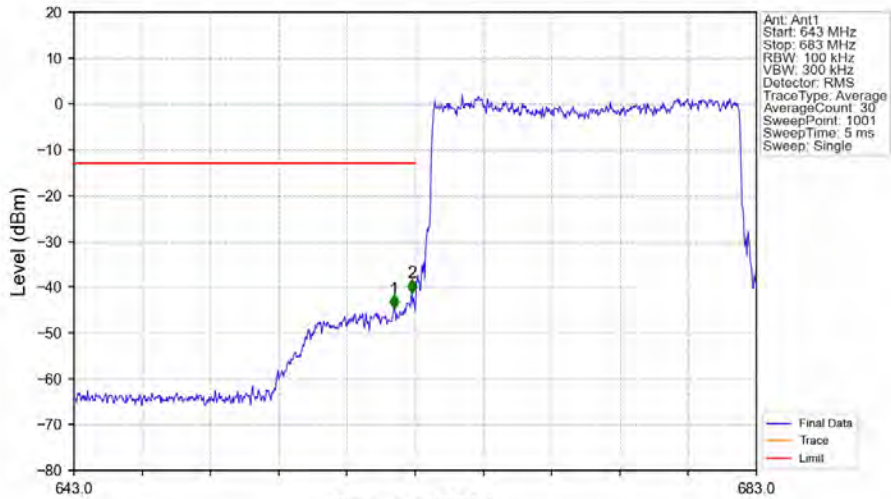
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

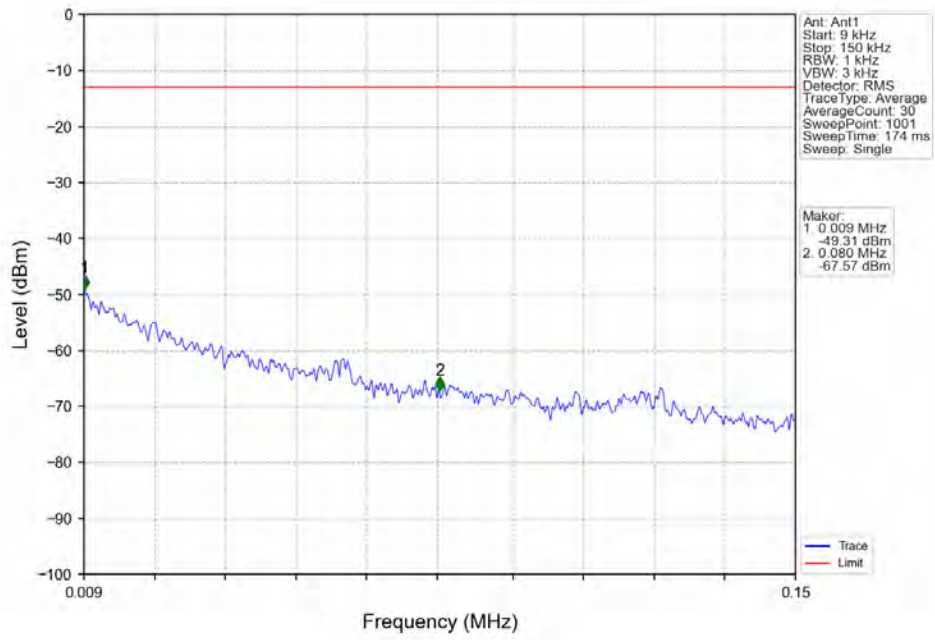


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

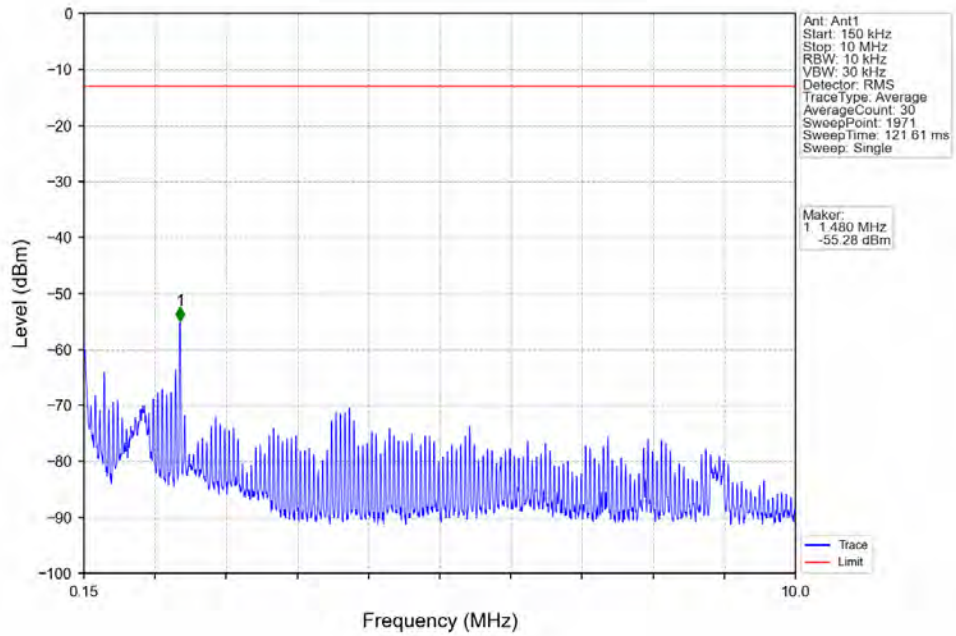


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.760	-44.73	-13	Pass
662	663	0.201	/	2	662.800	-41.31	-13	Pass
663	683	0.201	/	/	/	/	/	/

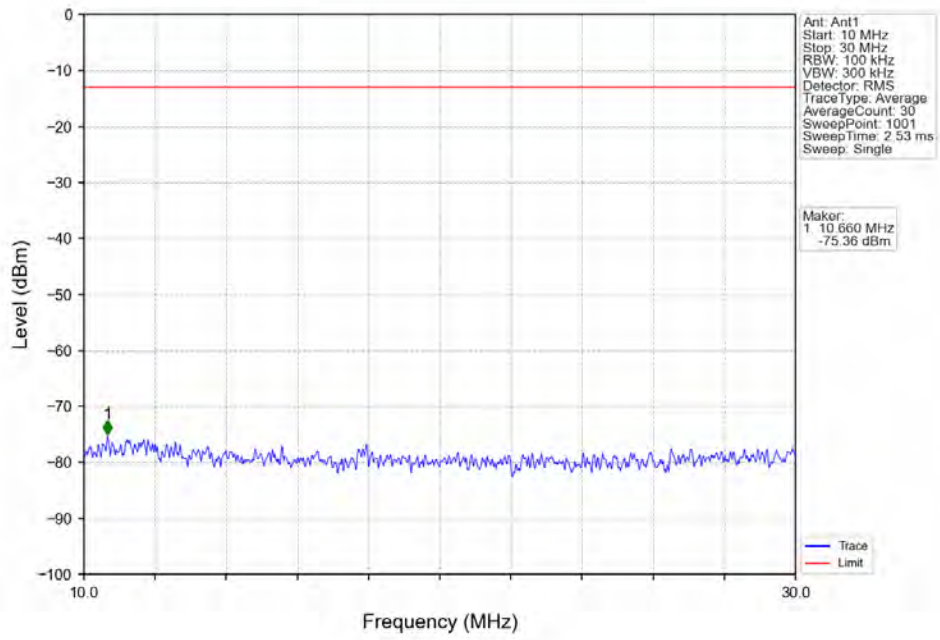
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



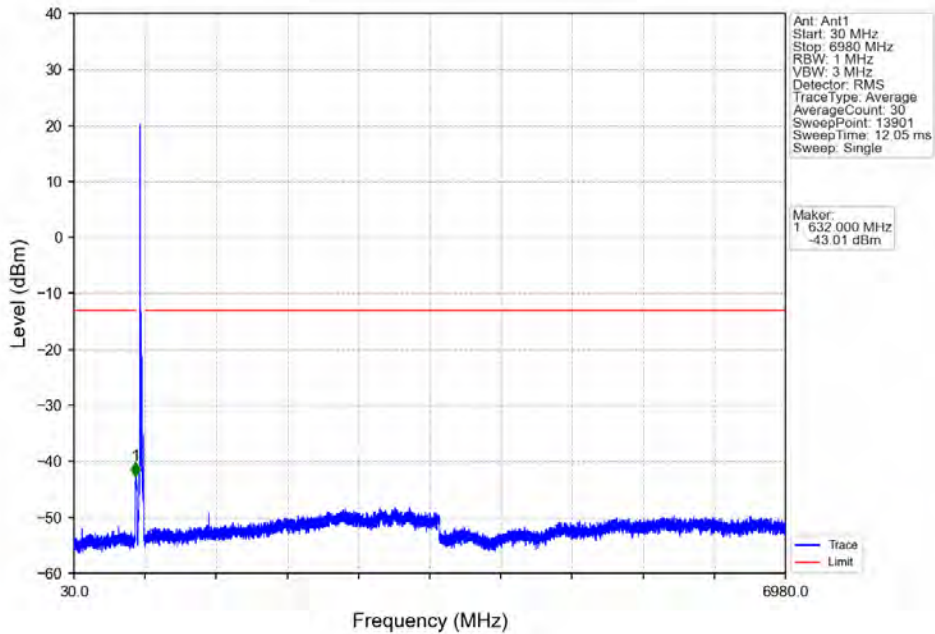
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



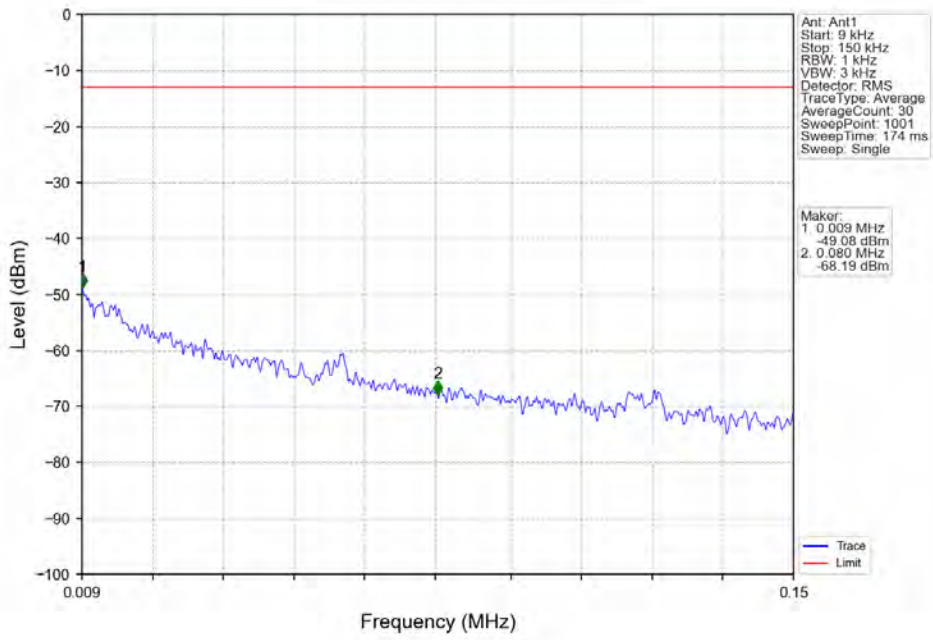
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



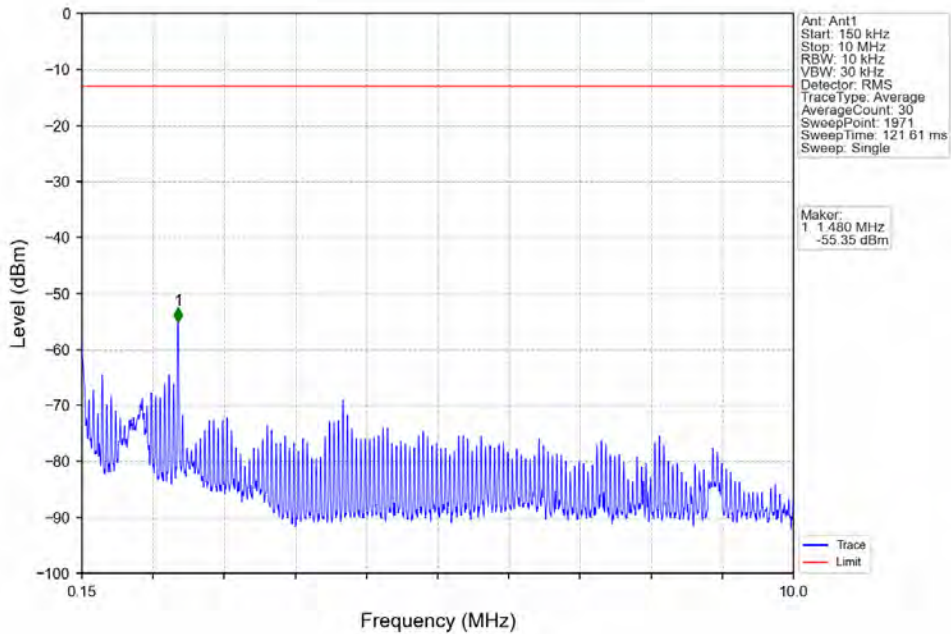
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



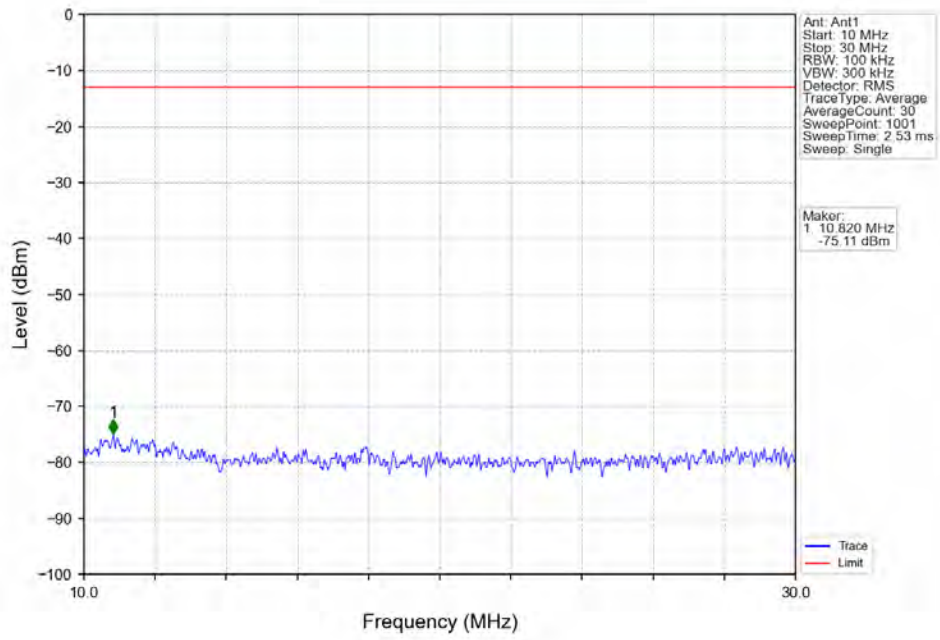
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



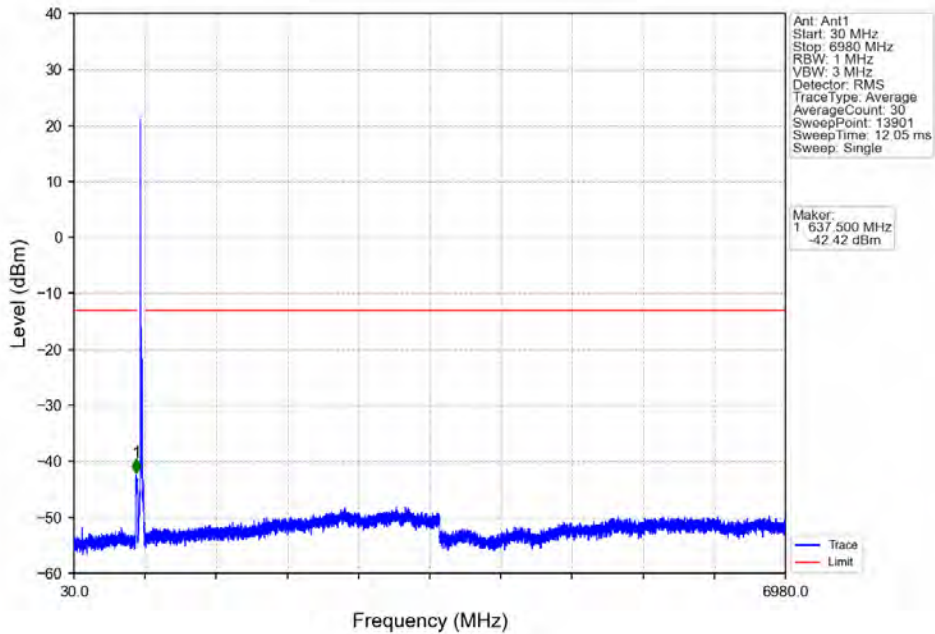
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



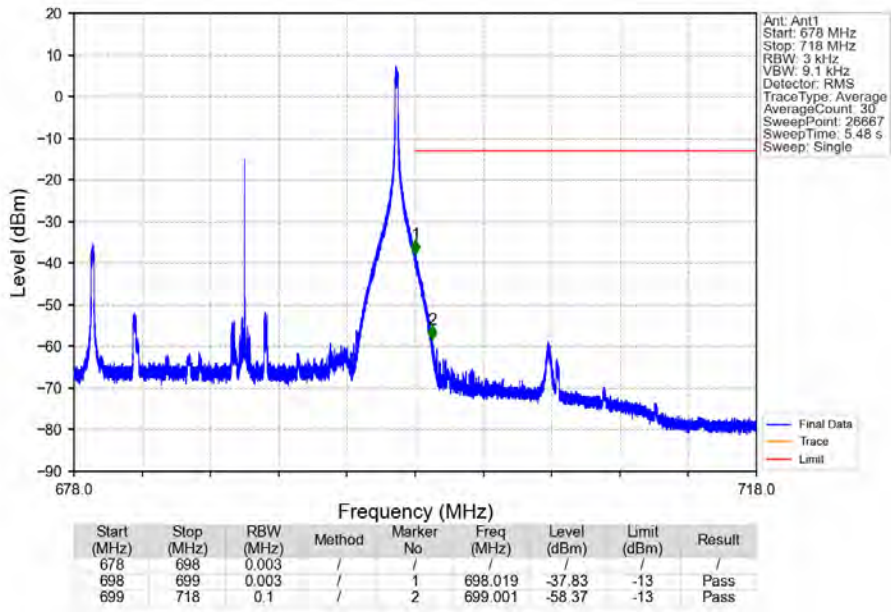
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



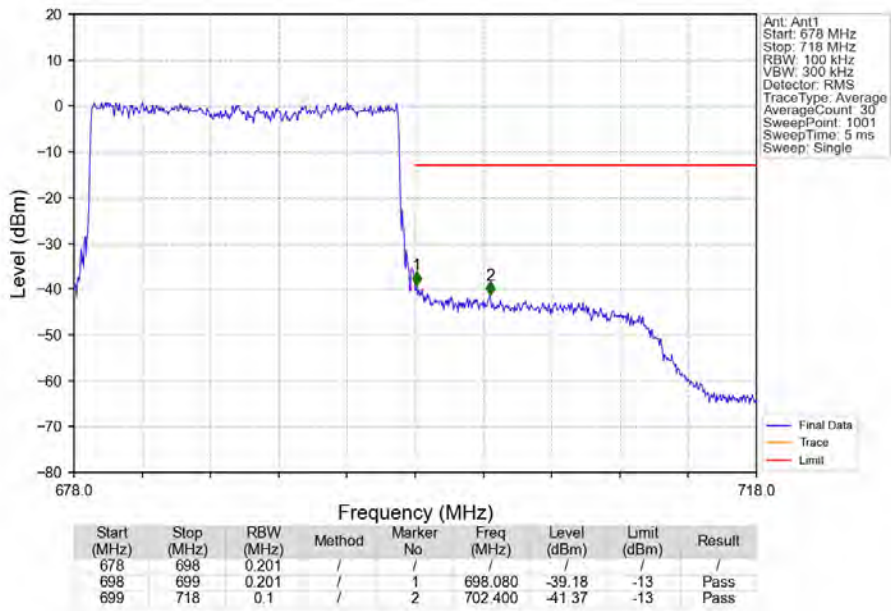
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

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	0.2344	0.0144	ppm	4M58G7D	27N	23.70
71	5	665.5	695.5	0.2014	0.0203	ppm	4M58W7D	27N	23.04
71	10	668	693	0.2366	0.0145	ppm	9M10G7D	27N	23.74
71	10	668	693	0.2018	0.0166	ppm	9M07W7D	27N	23.05
71	15	670.5	690.5	0.2323	0.0162	ppm	13M7G7D	27N	23.66
71	15	670.5	690.5	0.1795	0.0137	ppm	13M7W7D	27N	22.54
71	20	673	688	0.2333	0.0130	ppm	18M2G7D	27N	23.68
71	20	673	688	0.2023	0.0155	ppm	18M2W7D	27N	23.06

7.2 Form731_ERP

7.2.1 Test Result

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	0.2582	0.0144	ppm	4M58G7D	27N	24.12
71	5	665.5	695.5	0.2218	0.0203	ppm	4M58W7D	27N	23.46
71	10	668	693	0.2606	0.0145	ppm	9M10G7D	27N	24.16
71	10	668	693	0.2223	0.0166	ppm	9M07W7D	27N	23.47
71	15	670.5	690.5	0.2559	0.0162	ppm	13M7G7D	27N	24.08
71	15	670.5	690.5	0.1977	0.0137	ppm	13M7W7D	27N	22.96
71	20	673	688	0.2570	0.0130	ppm	18M2G7D	27N	24.10
71	20	673	688	0.2228	0.0155	ppm	18M2W7D	27N	23.48