

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	22.10	0.41	20.36	<=34.77	Pass		
			13	22.13	0.41	20.39	<=34.77	Pass		
			24	22.03	0.41	20.29	<=34.77	Pass		
		12	0	20.95	0.41	19.21	<=34.77	Pass		
			6	21.06	0.41	19.32	<=34.77	Pass		
			13	21.09	0.41	19.35	<=34.77	Pass		
		25	0	21.04	0.41	19.30	<=34.77	Pass		
		680.5	1	0	21.89	0.41	20.15	<=34.77	Pass	
				13	21.93	0.41	20.19	<=34.77	Pass	
	24			21.85	0.41	20.11	<=34.77	Pass		
	12		0	20.89	0.41	19.15	<=34.77	Pass		
			6	20.97	0.41	19.23	<=34.77	Pass		
			13	20.93	0.41	19.19	<=34.77	Pass		
	25		0	21.01	0.41	19.27	<=34.77	Pass		
	695.5		1	0	21.94	0.41	20.20	<=34.77	Pass	
				13	22.10	0.41	20.36	<=34.77	Pass	
		24		22.01	0.41	20.27	<=34.77	Pass		
		12	0	20.98	0.41	19.24	<=34.77	Pass		
			6	21.07	0.41	19.33	<=34.77	Pass		
			13	21.02	0.41	19.28	<=34.77	Pass		
		25	0	20.99	0.41	19.25	<=34.77	Pass		
		16QAM	665.5	1	0	21.22	0.41	19.48	<=34.77	Pass
					13	21.26	0.41	19.52	<=34.77	Pass
	24				21.21	0.41	19.47	<=34.77	Pass	
12	0			20.07	0.41	18.33	<=34.77	Pass		
	6			20.16	0.41	18.42	<=34.77	Pass		
	13			20.13	0.41	18.39	<=34.77	Pass		
25	0			20.14	0.41	18.40	<=34.77	Pass		
680.5	1			0	21.09	0.41	19.35	<=34.77	Pass	
				13	21.17	0.41	19.43	<=34.77	Pass	
			24	21.06	0.41	19.32	<=34.77	Pass		
	12		0	20.04	0.41	18.30	<=34.77	Pass		
			6	20.12	0.41	18.38	<=34.77	Pass		
			13	19.94	0.41	18.20	<=34.77	Pass		
	25		0	19.96	0.41	18.22	<=34.77	Pass		
	695.5		1	0	21.03	0.41	19.29	<=34.77	Pass	
				13	21.17	0.41	19.43	<=34.77	Pass	
24				21.10	0.41	19.36	<=34.77	Pass		
12			0	19.87	0.41	18.13	<=34.77	Pass		
			6	19.99	0.41	18.25	<=34.77	Pass		
			13	19.93	0.41	18.19	<=34.77	Pass		
25			0	19.93	0.41	18.19	<=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 / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	668	1	0	22.16	0.41	20.42	<=34.77	Pass		
			25	22.33	0.41	20.59	<=34.77	Pass		
			49	22.20	0.41	20.46	<=34.77	Pass		
		25	0	21.00	0.41	19.26	<=34.77	Pass		
			13	21.19	0.41	19.45	<=34.77	Pass		
			25	21.21	0.41	19.47	<=34.77	Pass		
		50	0	21.10	0.41	19.36	<=34.77	Pass		
		680.5	1	0	22.00	0.41	20.26	<=34.77	Pass	
				25	22.11	0.41	20.37	<=34.77	Pass	
	49			21.98	0.41	20.24	<=34.77	Pass		
	25		0	21.01	0.41	19.27	<=34.77	Pass		
			13	21.09	0.41	19.35	<=34.77	Pass		
			25	21.05	0.41	19.31	<=34.77	Pass		
	50		0	21.05	0.41	19.31	<=34.77	Pass		
	693		1	0	21.90	0.41	20.16	<=34.77	Pass	
				25	22.25	0.41	20.51	<=34.77	Pass	
		49		22.07	0.41	20.33	<=34.77	Pass		
		25	0	21.07	0.41	19.33	<=34.77	Pass		
			13	21.13	0.41	19.39	<=34.77	Pass		
			25	21.15	0.41	19.41	<=34.77	Pass		
		50	0	21.07	0.41	19.33	<=34.77	Pass		
		16QAM	668	1	0	20.90	0.41	19.16	<=34.77	Pass
					25	21.10	0.41	19.36	<=34.77	Pass
	49				20.97	0.41	19.23	<=34.77	Pass	
25	0			19.98	0.41	18.24	<=34.77	Pass		
	13			20.20	0.41	18.46	<=34.77	Pass		
	25			20.26	0.41	18.52	<=34.77	Pass		
50	0			20.13	0.41	18.39	<=34.77	Pass		
680.5	1			0	21.09	0.41	19.35	<=34.77	Pass	
				25	21.22	0.41	19.48	<=34.77	Pass	
			49	21.05	0.41	19.31	<=34.77	Pass		
	25		0	20.11	0.41	18.37	<=34.77	Pass		
			13	20.07	0.41	18.33	<=34.77	Pass		
			25	20.01	0.41	18.27	<=34.77	Pass		
	50		0	19.96	0.41	18.22	<=34.77	Pass		
	693		1	0	21.06	0.41	19.32	<=34.77	Pass	
				25	21.41	0.41	19.67	<=34.77	Pass	
49				21.18	0.41	19.44	<=34.77	Pass		
25			0	20.12	0.41	18.38	<=34.77	Pass		
			13	20.15	0.41	18.41	<=34.77	Pass		
			25	20.15	0.41	18.41	<=34.77	Pass		
50			0	20.05	0.41	18.31	<=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 / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	21.99	0.41	20.25	<=34.77	Pass
			38	22.20	0.41	20.46	<=34.77	Pass
			74	21.97	0.41	20.23	<=34.77	Pass

16QAM	680.5	36	0	20.98	0.41	19.24	<=34.77	Pass		
			18	21.16	0.41	19.42	<=34.77	Pass		
			39	21.12	0.41	19.38	<=34.77	Pass		
		75	0	21.10	0.41	19.36	<=34.77	Pass		
			1	0	21.91	0.41	20.17	<=34.77	Pass	
				38	21.99	0.41	20.25	<=34.77	Pass	
		74		21.83	0.41	20.09	<=34.77	Pass		
		36	0	20.96	0.41	19.22	<=34.77	Pass		
			18	21.04	0.41	19.30	<=34.77	Pass		
	39		20.96	0.41	19.22	<=34.77	Pass			
	75	0	21.00	0.41	19.26	<=34.77	Pass			
		690.5	1	0	21.76	0.41	20.02	<=34.77	Pass	
				38	22.01	0.41	20.27	<=34.77	Pass	
	74			21.88	0.41	20.14	<=34.77	Pass		
	36	0	0	20.99	0.41	19.25	<=34.77	Pass		
			18	21.01	0.41	19.27	<=34.77	Pass		
			39	21.08	0.41	19.34	<=34.77	Pass		
	75	0	21.02	0.41	19.28	<=34.77	Pass			
		670.5	1	0	20.91	0.41	19.17	<=34.77	Pass	
				38	21.21	0.41	19.47	<=34.77	Pass	
	74			21.06	0.41	19.32	<=34.77	Pass		
	36		0	0	20.08	0.41	18.34	<=34.77	Pass	
				18	20.22	0.41	18.48	<=34.77	Pass	
				39	20.21	0.41	18.47	<=34.77	Pass	
	75		0	20.11	0.41	18.37	<=34.77	Pass		
			680.5	1	0	20.96	0.41	19.22	<=34.77	Pass
					38	21.03	0.41	19.29	<=34.77	Pass
74	20.90	0.41			19.16	<=34.77	Pass			
36	0	0	20.04	0.41	18.30	<=34.77	Pass			
		18	19.99	0.41	18.25	<=34.77	Pass			
		39	19.93	0.41	18.19	<=34.77	Pass			
75	0	19.92	0.41	18.18	<=34.77	Pass				
	690.5	1	0	20.90	0.41	19.16	<=34.77	Pass		
			38	21.16	0.41	19.42	<=34.77	Pass		
74			21.06	0.41	19.32	<=34.77	Pass			
36	0	0	19.97	0.41	18.23	<=34.77	Pass			
		18	19.99	0.41	18.25	<=34.77	Pass			
		39	20.09	0.41	18.35	<=34.77	Pass			
75	0	20.00	0.41	18.26	<=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 / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	673	1	0	21.73	0.41	19.99	<=34.77	Pass	
			50	22.25	0.41	20.51	<=34.77	Pass	
			99	21.72	0.41	19.98	<=34.77	Pass	
		50	0	20.91	0.41	19.17	<=34.77	Pass	
			25	21.08	0.41	19.34	<=34.77	Pass	
			50	21.16	0.41	19.42	<=34.77	Pass	
	100	0	21.04	0.41	19.30	<=34.77	Pass		
		683	1	0	21.70	0.41	19.96	<=34.77	Pass
				50	22.12	0.41	20.38	<=34.77	Pass

16QAM	688	50	99	21.72	0.41	19.98	<=34.77	Pass	
			0	20.92	0.41	19.18	<=34.77	Pass	
			25	20.98	0.41	19.24	<=34.77	Pass	
			50	20.95	0.41	19.21	<=34.77	Pass	
		100	0	20.91	0.41	19.17	<=34.77	Pass	
			1	0	21.65	0.41	19.91	<=34.77	Pass
			50	22.05	0.41	20.31	<=34.77	Pass	
			99	21.84	0.41	20.10	<=34.77	Pass	
		50	0	20.96	0.41	19.22	<=34.77	Pass	
			25	20.98	0.41	19.24	<=34.77	Pass	
			50	21.04	0.41	19.30	<=34.77	Pass	
			100	0	21.02	0.41	19.28	<=34.77	Pass
	673	1	0	20.82	0.41	19.08	<=34.77	Pass	
			50	21.38	0.41	19.64	<=34.77	Pass	
			99	20.80	0.41	19.06	<=34.77	Pass	
			50	0	19.99	0.41	18.25	<=34.77	Pass
		50	25	20.15	0.41	18.41	<=34.77	Pass	
			50	20.25	0.41	18.51	<=34.77	Pass	
			100	0	20.10	0.41	18.36	<=34.77	Pass
			1	0	20.55	0.41	18.81	<=34.77	Pass
		683	1	50	20.90	0.41	19.16	<=34.77	Pass
				99	20.55	0.41	18.81	<=34.77	Pass
				50	0	19.99	0.41	18.25	<=34.77
			50	25	19.95	0.41	18.21	<=34.77	Pass
50	19.89			0.41	18.15	<=34.77	Pass		
100	0			19.88	0.41	18.14	<=34.77	Pass	
688	1	0	20.47	0.41	18.73	<=34.77	Pass		
		50	20.95	0.41	19.21	<=34.77	Pass		
		99	20.61	0.41	18.87	<=34.77	Pass		
		50	0	19.89	0.41	18.15	<=34.77	Pass	
	50	25	19.92	0.41	18.18	<=34.77	Pass		
		50	19.96	0.41	18.22	<=34.77	Pass		
		100	0	19.94	0.41	18.20	<=34.77	Pass	
		100	0	19.94	0.41	18.20	<=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	-9.642	-0.0145	-2.5 to 2.5	Pass	
					3.85	-9.828	-0.0148	-2.5 to 2.5	Pass	
					4.43	-6.938	-0.0104	-2.5 to 2.5	Pass	
				-30	3.85	-9.313	-0.0140	-2.5 to 2.5	Pass	
					-20	3.85	-3.476	-0.0052	-2.5 to 2.5	Pass
					-10	3.85	-9.127	-0.0137	-2.5 to 2.5	Pass
				0	0	3.85	-3.648	-0.0055	-2.5 to 2.5	Pass
					10	3.85	-7.954	-0.0120	-2.5 to 2.5	Pass
					30	3.85	-9.012	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-10.185	-0.0153	-2.5 to 2.5	Pass	
					50	3.85	-9.327	-0.0140	-2.5 to 2.5	Pass
					680.5	25	0	20	3.27	-11.244

					3.85	-7.081	-0.0104	-2.5 to 2.5	Pass		
					4.43	-1.717	-0.0025	-2.5 to 2.5	Pass		
					-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass	
					-20	3.85	-6.881	-0.0101	-2.5 to 2.5	Pass	
					-10	3.85	-6.795	-0.0100	-2.5 to 2.5	Pass	
					0	3.85	-6.866	-0.0101	-2.5 to 2.5	Pass	
					10	3.85	-8.368	-0.0123	-2.5 to 2.5	Pass	
					30	3.85	-8.669	-0.0127	-2.5 to 2.5	Pass	
					40	3.85	-6.337	-0.0093	-2.5 to 2.5	Pass	
	50	3.85	-6.208	-0.0091	-2.5 to 2.5	Pass					
	695.5	25	0			20	3.27	-7.768	-0.0112	-2.5 to 2.5	Pass
						3.85	-6.638	-0.0095	-2.5 to 2.5	Pass	
						4.43	-7.010	-0.0101	-2.5 to 2.5	Pass	
						-30	3.85	-7.968	-0.0115	-2.5 to 2.5	Pass
						-20	3.85	-11.315	-0.0163	-2.5 to 2.5	Pass
						-10	3.85	-7.653	-0.0110	-2.5 to 2.5	Pass
						0	3.85	-10.357	-0.0149	-2.5 to 2.5	Pass
						10	3.85	-12.817	-0.0184	-2.5 to 2.5	Pass
30						3.85	-7.782	-0.0112	-2.5 to 2.5	Pass	
40	3.85	-4.449	-0.0064	-2.5 to 2.5	Pass						
50	3.85	-6.680	-0.0096	-2.5 to 2.5	Pass						
16QAM	665.5	25	0		20	3.27	-11.230	-0.0169	-2.5 to 2.5	Pass	
					3.85	-7.610	-0.0114	-2.5 to 2.5	Pass		
					4.43	-8.097	-0.0122	-2.5 to 2.5	Pass		
					-30	3.85	-9.928	-0.0149	-2.5 to 2.5	Pass	
					-20	3.85	-7.310	-0.0110	-2.5 to 2.5	Pass	
					-10	3.85	-9.341	-0.0140	-2.5 to 2.5	Pass	
					0	3.85	-7.510	-0.0113	-2.5 to 2.5	Pass	
					10	3.85	-4.678	-0.0070	-2.5 to 2.5	Pass	
					30	3.85	-8.912	-0.0134	-2.5 to 2.5	Pass	
	40	3.85	-10.057	-0.0151	-2.5 to 2.5	Pass					
	50	3.85	-8.197	-0.0123	-2.5 to 2.5	Pass					
	680.5	25	0			20	3.27	-6.638	-0.0098	-2.5 to 2.5	Pass
						3.85	-6.552	-0.0096	-2.5 to 2.5	Pass	
						4.43	-6.480	-0.0095	-2.5 to 2.5	Pass	
						-30	3.85	-2.818	-0.0041	-2.5 to 2.5	Pass
						-20	3.85	-6.995	-0.0103	-2.5 to 2.5	Pass
						-10	3.85	-8.469	-0.0124	-2.5 to 2.5	Pass
						0	3.85	-10.128	-0.0149	-2.5 to 2.5	Pass
10						3.85	-6.065	-0.0089	-2.5 to 2.5	Pass	
30						3.85	-8.984	-0.0132	-2.5 to 2.5	Pass	
40	3.85	-5.293	-0.0078	-2.5 to 2.5	Pass						
50	3.85	-12.045	-0.0177	-2.5 to 2.5	Pass						
695.5	25	0			20	3.27	-5.035	-0.0072	-2.5 to 2.5	Pass	
					3.85	-3.676	-0.0053	-2.5 to 2.5	Pass		
					4.43	-11.144	-0.0160	-2.5 to 2.5	Pass		
					-30	3.85	-8.898	-0.0128	-2.5 to 2.5	Pass	
					-20	3.85	-8.025	-0.0115	-2.5 to 2.5	Pass	
					-10	3.85	-10.042	-0.0144	-2.5 to 2.5	Pass	
					0	3.85	-5.622	-0.0081	-2.5 to 2.5	Pass	
					10	3.85	-9.141	-0.0131	-2.5 to 2.5	Pass	
					30	3.85	-9.241	-0.0133	-2.5 to 2.5	Pass	
40	3.85	-9.313	-0.0134	-2.5 to 2.5	Pass						
50	3.85	-10.815	-0.0155	-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	-6.266	-0.0094	-2.5 to 2.5	Pass
					3.85	-8.197	-0.0123	-2.5 to 2.5	Pass
					4.43	-5.794	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-5.665	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-9.055	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-4.320	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-5.364	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-7.224	-0.0108	-2.5 to 2.5	Pass
	50	3.85	-7.153	-0.0107	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-5.622	-0.0083	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0075	-2.5 to 2.5	Pass
					4.43	-2.990	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-5.822	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-4.778	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-7.453	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-9.713	-0.0143	-2.5 to 2.5	Pass
	50	3.85	-5.922	-0.0087	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-11.373	-0.0164	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0057	-2.5 to 2.5	Pass
					4.43	-5.450	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-6.337	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-5.980	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-5.336	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-8.597	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0066	-2.5 to 2.5	Pass
30				3.85	-9.270	-0.0134	-2.5 to 2.5	Pass	
40				3.85	-3.405	-0.0049	-2.5 to 2.5	Pass	
50	3.85	-9.942	-0.0143	-2.5 to 2.5	Pass				
16QAM	668	50	0	20	3.27	-5.937	-0.0089	-2.5 to 2.5	Pass
					3.85	-7.582	-0.0114	-2.5 to 2.5	Pass
					4.43	-4.263	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-7.796	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-8.698	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-8.812	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-4.277	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0110	-2.5 to 2.5	Pass
	50	3.85	-7.968	-0.0119	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-5.736	-0.0084	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0072	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-4.206	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-5.393	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-6.537	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.309	-0.0093	-2.5 to 2.5	Pass
40				3.85	-8.354	-0.0123	-2.5 to 2.5	Pass	

	693	50	0	50	3.85	-6.294	-0.0092	-2.5 to 2.5	Pass
				20	3.27	-6.351	-0.0092	-2.5 to 2.5	Pass
					3.85	-6.595	-0.0095	-2.5 to 2.5	Pass
				-30	4.43	-5.078	-0.0073	-2.5 to 2.5	Pass
					3.85	-8.268	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-7.925	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-6.938	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-4.492	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.482	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-6.309	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0069	-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	-6.137	-0.0092	-2.5 to 2.5	Pass
					3.85	-7.939	-0.0118	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-9.799	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-4.921	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-6.237	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-9.284	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-7.868	-0.0117	-2.5 to 2.5	Pass
				680.5	75	0	20	3.27	-6.251
	3.85	-2.704	-0.0040					-2.5 to 2.5	Pass
	4.43	-5.836	-0.0086					-2.5 to 2.5	Pass
	-30	3.85	-2.875				-0.0042	-2.5 to 2.5	Pass
	-20	3.85	-4.463				-0.0066	-2.5 to 2.5	Pass
	-10	3.85	-6.509				-0.0096	-2.5 to 2.5	Pass
	0	3.85	-5.264				-0.0077	-2.5 to 2.5	Pass
	10	3.85	-5.078				-0.0075	-2.5 to 2.5	Pass
	30	3.85	-6.723				-0.0099	-2.5 to 2.5	Pass
	40	3.85	-9.170				-0.0135	-2.5 to 2.5	Pass
	50	3.85	-5.794				-0.0085	-2.5 to 2.5	Pass
	690.5	75	0				20	3.27	-6.752
				3.85	-2.489	-0.0036		-2.5 to 2.5	Pass
				4.43	-4.578	-0.0066		-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-4.692	-0.0068	-2.5 to 2.5	Pass
30				3.85	-7.153	-0.0104	-2.5 to 2.5	Pass	
40				3.85	-7.467	-0.0108	-2.5 to 2.5	Pass	
50				3.85	-7.224	-0.0105	-2.5 to 2.5	Pass	
16QAM				670.5	75	0	20	3.27	-6.280
	3.85	-6.924	-0.0103					-2.5 to 2.5	Pass
	4.43	-3.119	-0.0047					-2.5 to 2.5	Pass
	-30	3.85	-7.296				-0.0109	-2.5 to 2.5	Pass

	680.5	75	0	-20	3.85	-5.980	-0.0089	-2.5 to 2.5	Pass			
				-10	3.85	-6.824	-0.0102	-2.5 to 2.5	Pass			
				0	3.85	-7.582	-0.0113	-2.5 to 2.5	Pass			
				10	3.85	-7.839	-0.0117	-2.5 to 2.5	Pass			
				30	3.85	-7.267	-0.0108	-2.5 to 2.5	Pass			
				40	3.85	-6.723	-0.0100	-2.5 to 2.5	Pass			
				50	3.85	-6.266	-0.0093	-2.5 to 2.5	Pass			
	690.5	75	0	20	3.27	-8.011	-0.0118	-2.5 to 2.5	Pass			
					3.85	-8.883	-0.0131	-2.5 to 2.5	Pass			
					4.43	-6.208	-0.0091	-2.5 to 2.5	Pass			
				-30	3.85	-5.937	-0.0087	-2.5 to 2.5	Pass			
				-20	3.85	-6.294	-0.0092	-2.5 to 2.5	Pass			
				-10	3.85	-7.496	-0.0110	-2.5 to 2.5	Pass			
				0	3.85	-6.566	-0.0096	-2.5 to 2.5	Pass			
				10	3.85	-5.407	-0.0079	-2.5 to 2.5	Pass			
				30	3.85	-7.439	-0.0109	-2.5 to 2.5	Pass			
				40	3.85	-7.868	-0.0116	-2.5 to 2.5	Pass			
				50	3.85	-7.882	-0.0116	-2.5 to 2.5	Pass			
				690.5	75	0	20	3.27	-7.896	-0.0114	-2.5 to 2.5	Pass
								3.85	-6.938	-0.0100	-2.5 to 2.5	Pass
								4.43	-8.268	-0.0120	-2.5 to 2.5	Pass
	-30	3.85	-8.454				-0.0122	-2.5 to 2.5	Pass			
	-20	3.85	-7.710				-0.0112	-2.5 to 2.5	Pass			
	-10	3.85	-6.824				-0.0099	-2.5 to 2.5	Pass			
	0	3.85	-7.339				-0.0106	-2.5 to 2.5	Pass			
	10	3.85	-8.283				-0.0120	-2.5 to 2.5	Pass			
	30	3.85	-7.124				-0.0103	-2.5 to 2.5	Pass			
	40	3.85	-6.666				-0.0097	-2.5 to 2.5	Pass			
50	3.85	-6.967	-0.0101				-2.5 to 2.5	Pass				

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	-8.512	-0.0126	-2.5 to 2.5	Pass
					3.85	-9.112	-0.0135	-2.5 to 2.5	Pass
					4.43	-7.939	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-8.183	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-8.569	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-8.111	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-8.726	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-7.839	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-7.324	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-10.099	-0.0150	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-8.340	-0.0122	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-6.852	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-7.453	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-7.939	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-11.930	-0.0175	-2.5 to 2.5	Pass
				30	3.85	-10.014	-0.0147	-2.5 to 2.5	Pass

	688	100	0	40	3.85	-6.037	-0.0088	-2.5 to 2.5	Pass				
				50	3.85	-5.207	-0.0076	-2.5 to 2.5	Pass				
				20	3.27	-9.556	-0.0139	-2.5 to 2.5	Pass				
					3.85	-11.029	-0.0160	-2.5 to 2.5	Pass				
					4.43	-7.839	-0.0114	-2.5 to 2.5	Pass				
				-30	3.85	-10.285	-0.0149	-2.5 to 2.5	Pass				
				-20	3.85	-8.540	-0.0124	-2.5 to 2.5	Pass				
				-10	3.85	-9.542	-0.0139	-2.5 to 2.5	Pass				
				0	3.85	-9.756	-0.0142	-2.5 to 2.5	Pass				
				10	3.85	-7.453	-0.0108	-2.5 to 2.5	Pass				
				30	3.85	-9.255	-0.0135	-2.5 to 2.5	Pass				
				40	3.85	-8.683	-0.0126	-2.5 to 2.5	Pass				
				50	3.85	-8.698	-0.0126	-2.5 to 2.5	Pass				
				16QAM	673	100	0	20	3.27	-7.038	-0.0105	-2.5 to 2.5	Pass
									3.85	-5.922	-0.0088	-2.5 to 2.5	Pass
4.43	-6.509	-0.0097	-2.5 to 2.5						Pass				
-30	3.85	-9.098	-0.0135					-2.5 to 2.5	Pass				
-20	3.85	-10.028	-0.0149					-2.5 to 2.5	Pass				
-10	3.85	-6.580	-0.0098					-2.5 to 2.5	Pass				
0	3.85	-5.121	-0.0076					-2.5 to 2.5	Pass				
10	3.85	-4.292	-0.0064					-2.5 to 2.5	Pass				
30	3.85	-7.610	-0.0113					-2.5 to 2.5	Pass				
40	3.85	-6.065	-0.0090					-2.5 to 2.5	Pass				
50	3.85	-8.454	-0.0126					-2.5 to 2.5	Pass				
683	100	0	20					3.27	-2.089	-0.0031	-2.5 to 2.5	Pass	
					3.85	-7.868	-0.0115	-2.5 to 2.5	Pass				
					4.43	-6.852	-0.0100	-2.5 to 2.5	Pass				
			-30		3.85	-8.454	-0.0124	-2.5 to 2.5	Pass				
			-20		3.85	-7.582	-0.0111	-2.5 to 2.5	Pass				
			-10		3.85	-8.698	-0.0127	-2.5 to 2.5	Pass				
			0		3.85	-7.524	-0.0110	-2.5 to 2.5	Pass				
			10		3.85	-9.184	-0.0134	-2.5 to 2.5	Pass				
			30		3.85	-10.486	-0.0154	-2.5 to 2.5	Pass				
			40		3.85	-8.783	-0.0129	-2.5 to 2.5	Pass				
			50		3.85	-8.926	-0.0131	-2.5 to 2.5	Pass				
			688		100	0	20	3.27	-5.794	-0.0084	-2.5 to 2.5	Pass	
3.85	-3.977	-0.0058						-2.5 to 2.5	Pass				
4.43	-8.783	-0.0128						-2.5 to 2.5	Pass				
-30	3.85	-8.283					-0.0120	-2.5 to 2.5	Pass				
-20	3.85	-9.327					-0.0136	-2.5 to 2.5	Pass				
-10	3.85	-9.913		-0.0144			-2.5 to 2.5	Pass					
0	3.85	-6.008		-0.0087			-2.5 to 2.5	Pass					
10	3.85	-10.772		-0.0157			-2.5 to 2.5	Pass					
30	3.85	-7.982		-0.0116			-2.5 to 2.5	Pass					
40	3.85	-7.896		-0.0115			-2.5 to 2.5	Pass					
50	3.85	-10.057		-0.0146			-2.5 to 2.5	Pass					

3. Modulation Characteristics

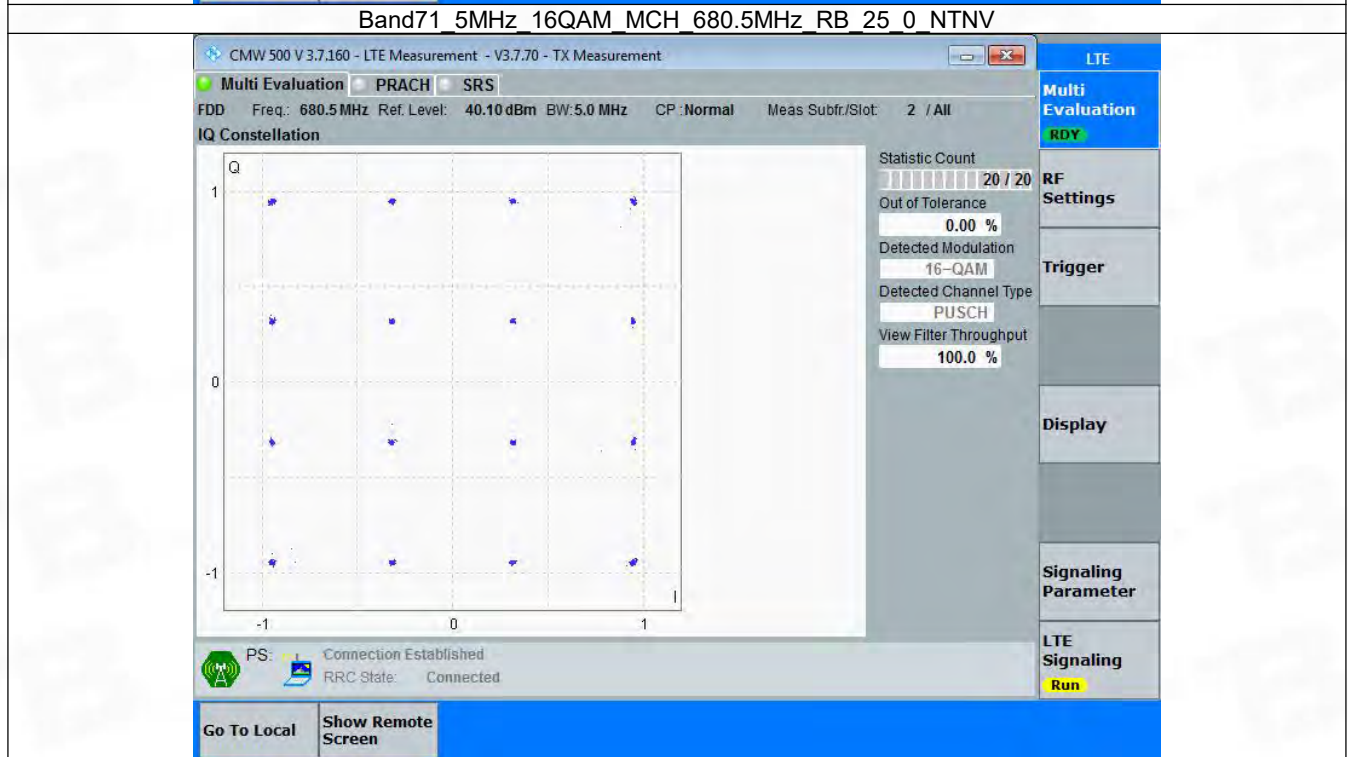
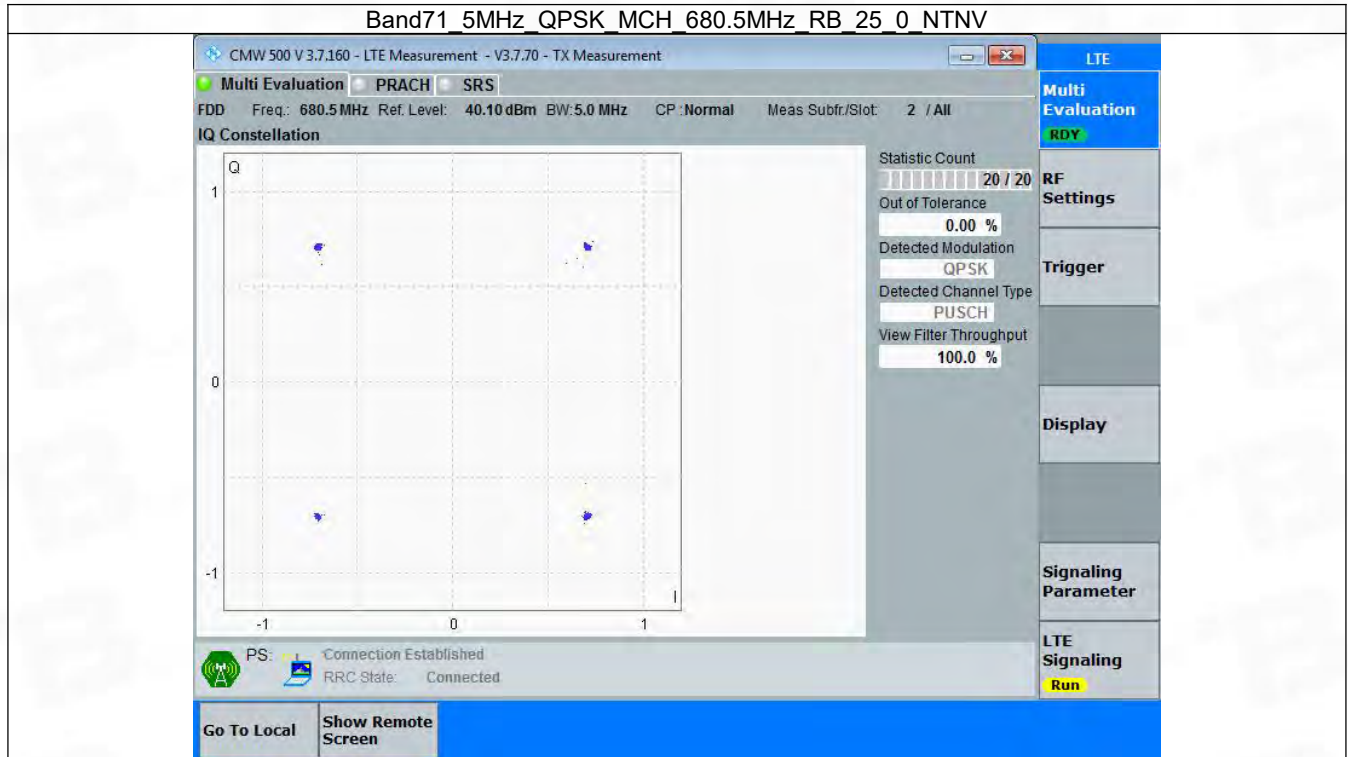
3.1 B71_5MHz

3.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTN						
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

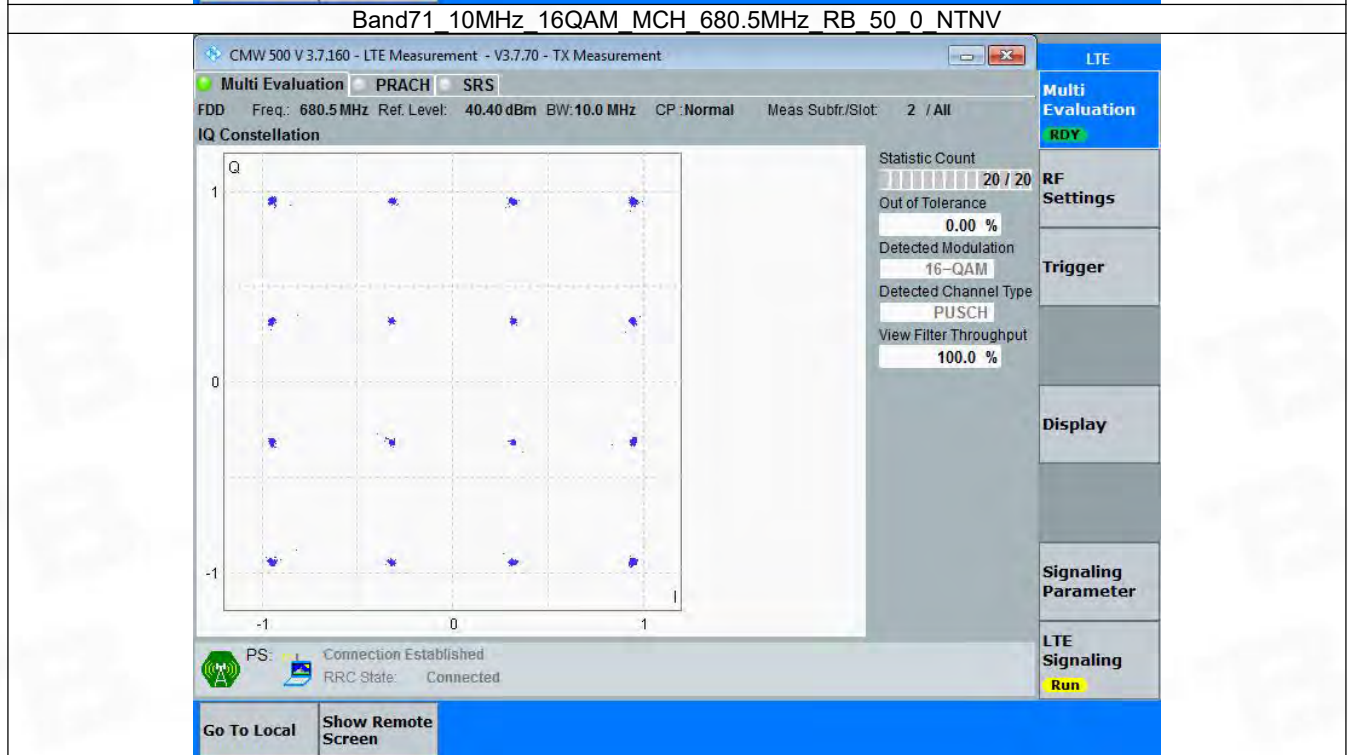
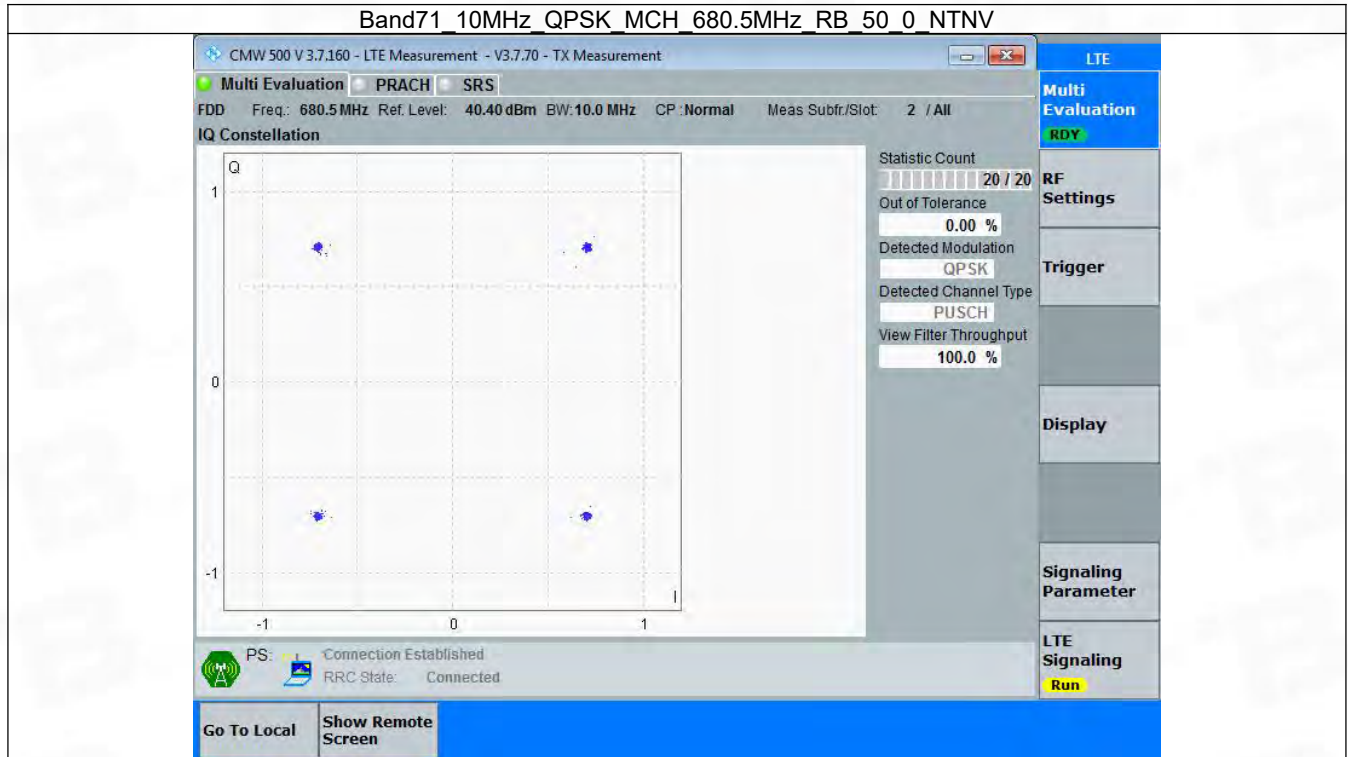


3.2 B71_10MHz

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

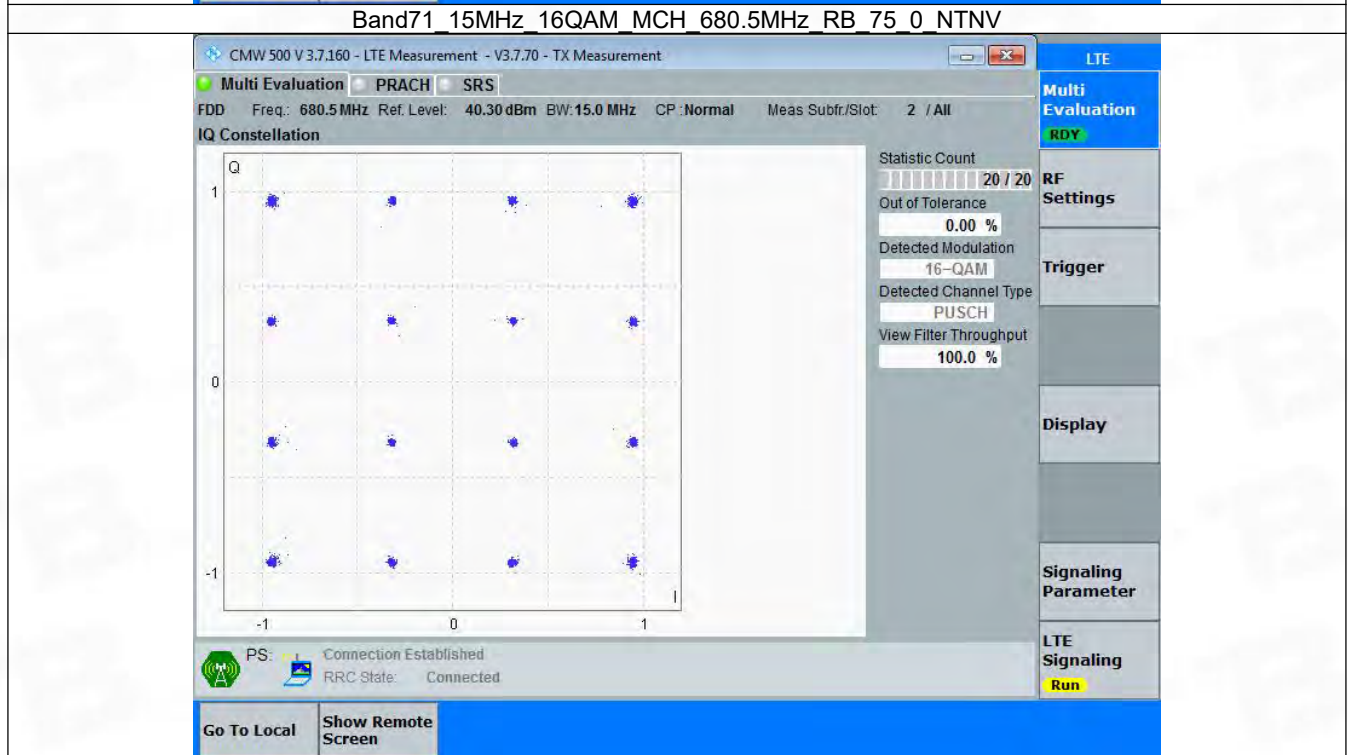
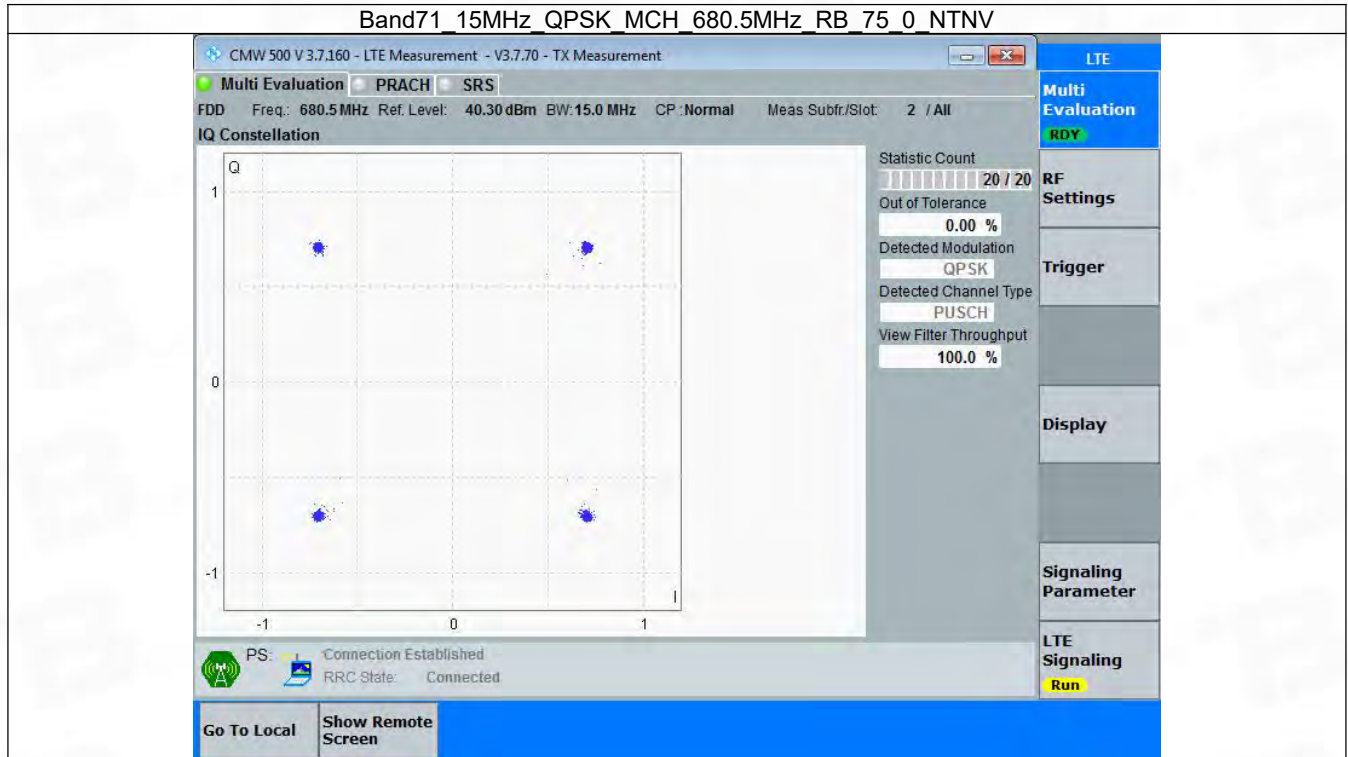


3.3 B71_15MHz

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

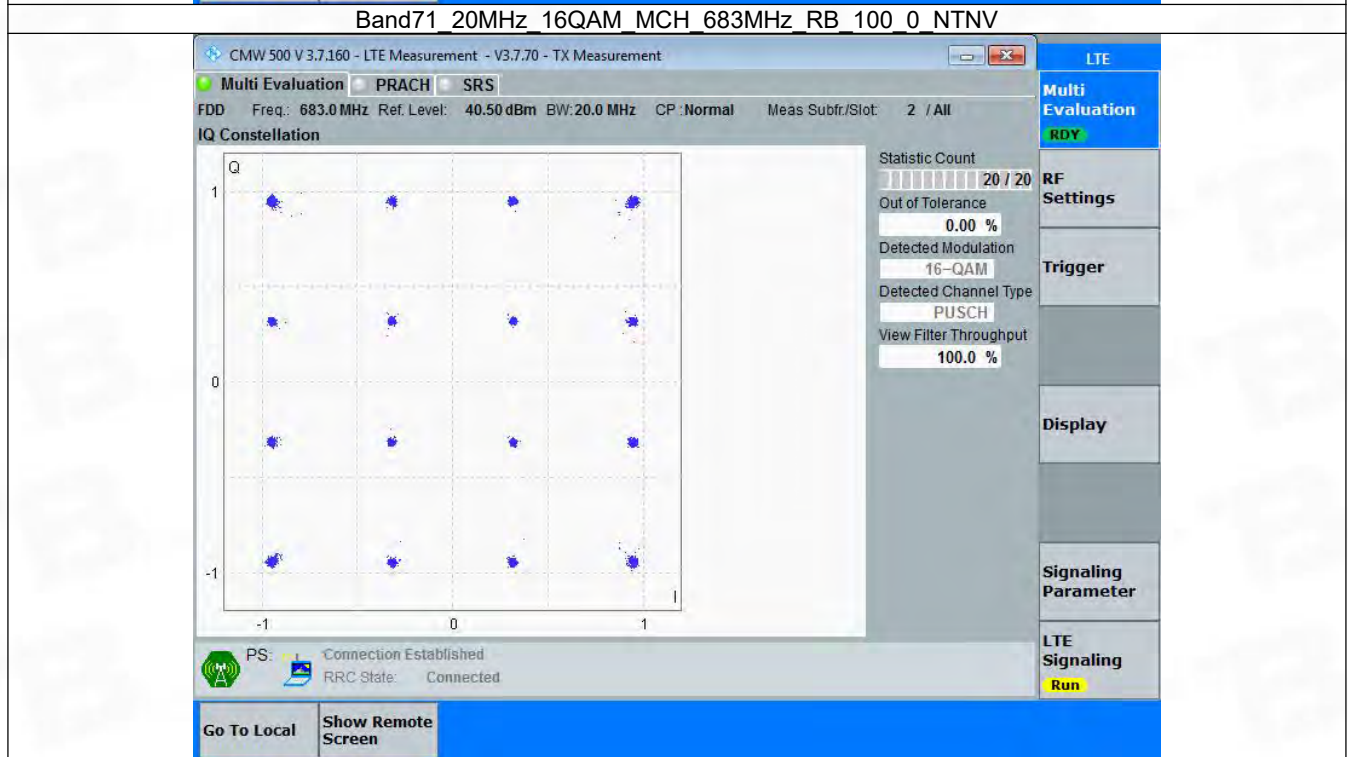
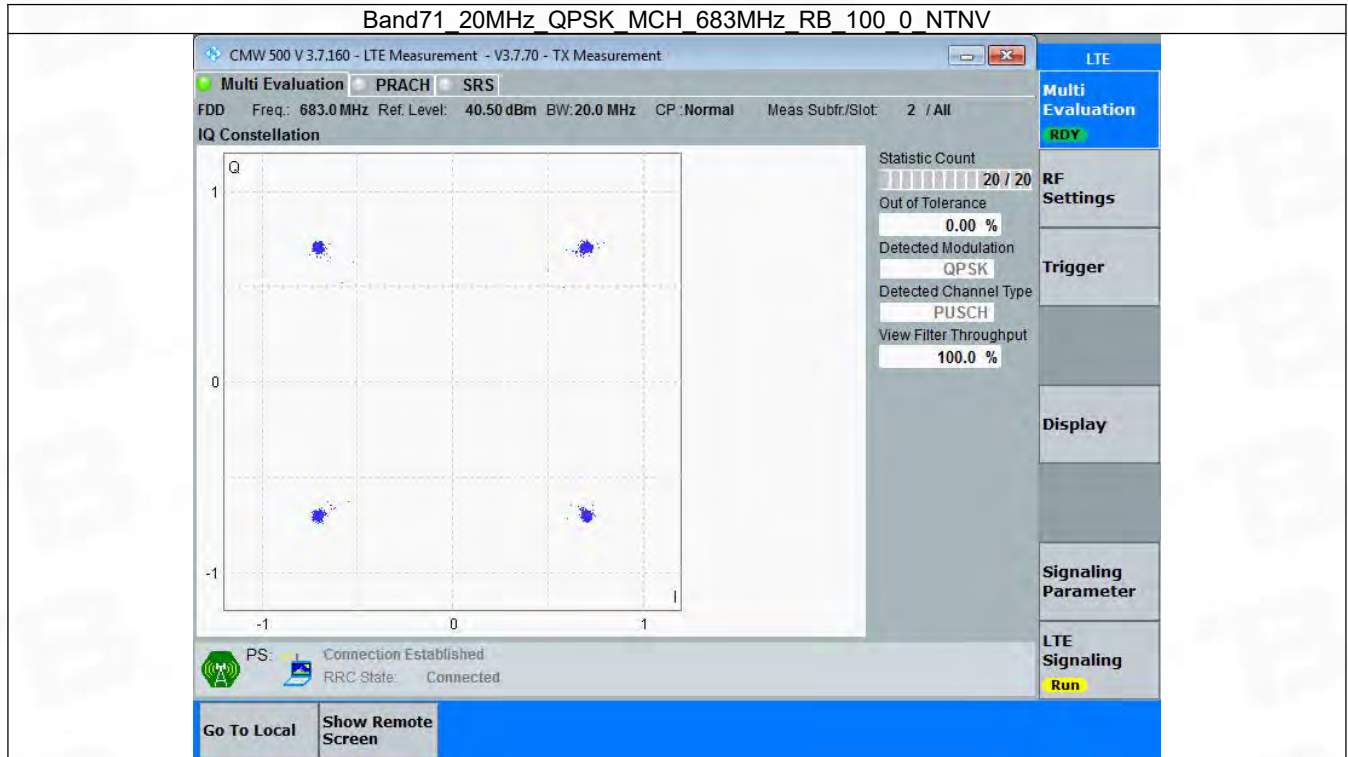


3.4 B71_20MHz

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



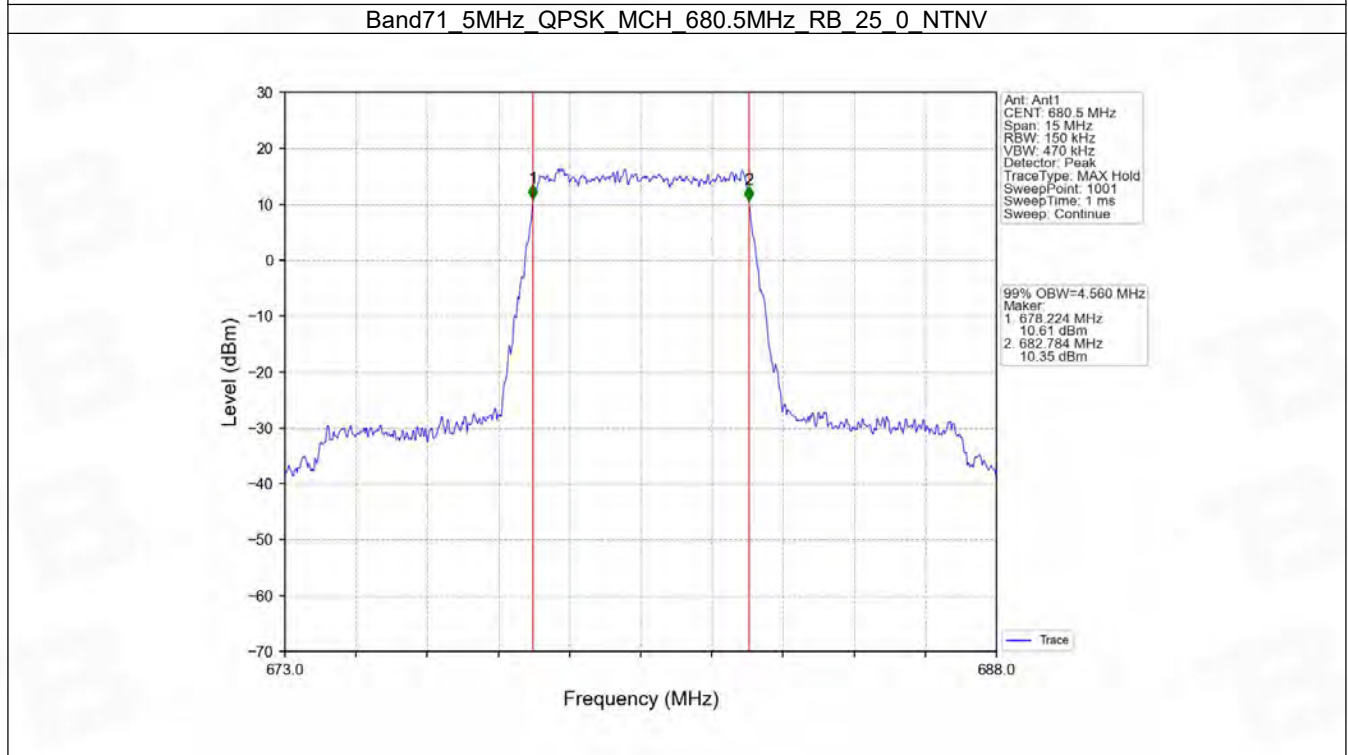
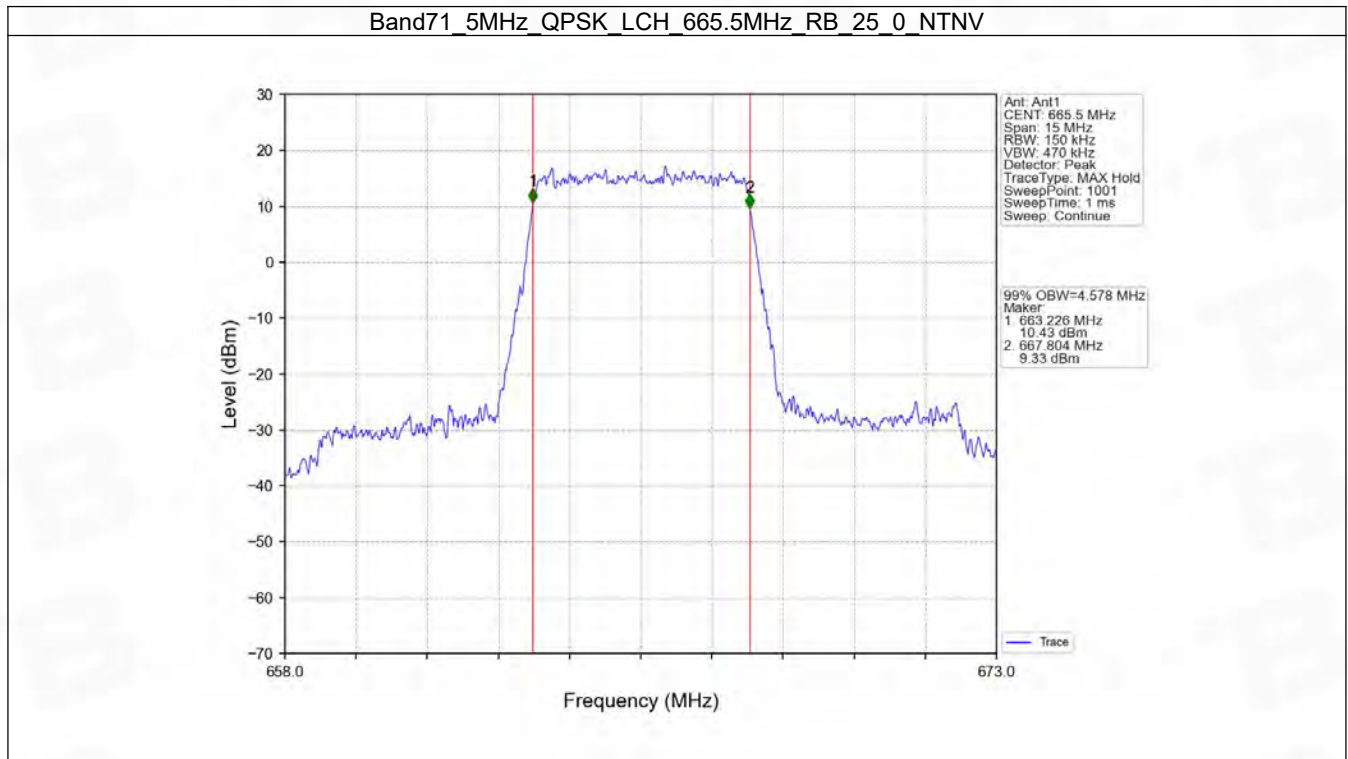
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

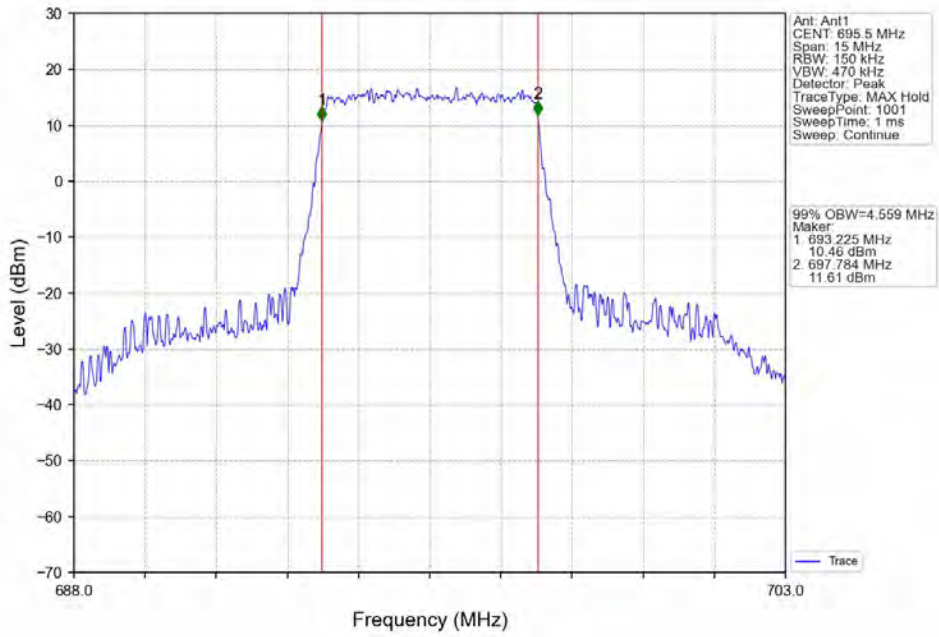
4.1.1 Test Result

Band: 71 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.578	Pass
		680.5	25	0	4.560	Pass
		695.5	25	0	4.559	Pass
	16QAM	665.5	25	0	4.549	Pass
		680.5	25	0	4.584	Pass
		695.5	25	0	4.561	Pass
10	QPSK	668	50	0	9.065	Pass
		680.5	50	0	9.053	Pass
		693	50	0	9.096	Pass
	16QAM	668	50	0	9.075	Pass
		680.5	50	0	9.085	Pass
		693	50	0	9.044	Pass
15	QPSK	670.5	75	0	13.614	Pass
		680.5	75	0	13.560	Pass
		690.5	75	0	13.634	Pass
	16QAM	670.5	75	0	13.615	Pass
		680.5	75	0	13.601	Pass
		690.5	75	0	13.611	Pass
20	QPSK	673	100	0	18.148	Pass
		683	100	0	18.104	Pass
		688	100	0	18.154	Pass
	16QAM	673	100	0	18.132	Pass
		683	100	0	18.155	Pass
		688	100	0	18.180	Pass

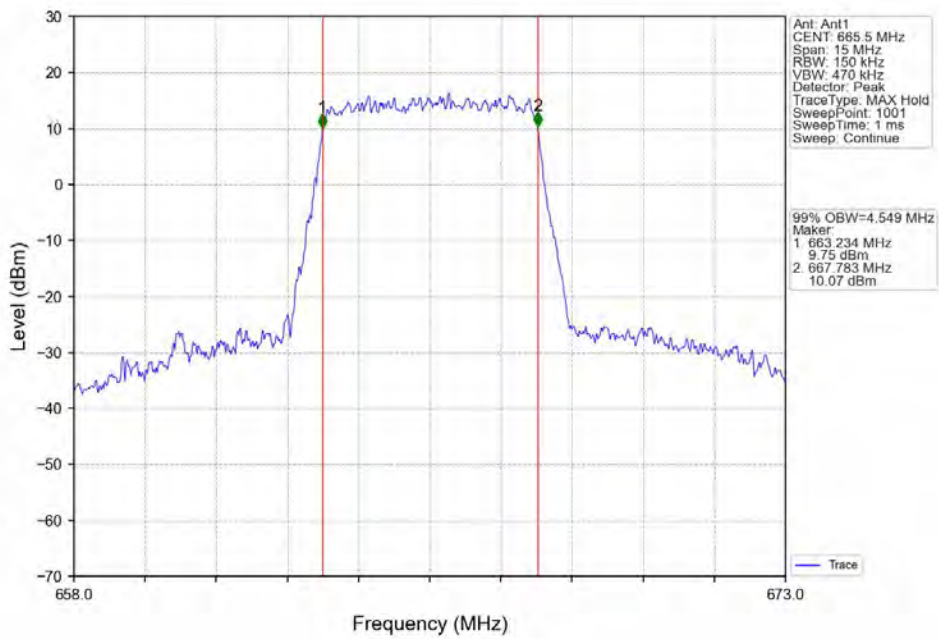
4.1.2 Test Graph



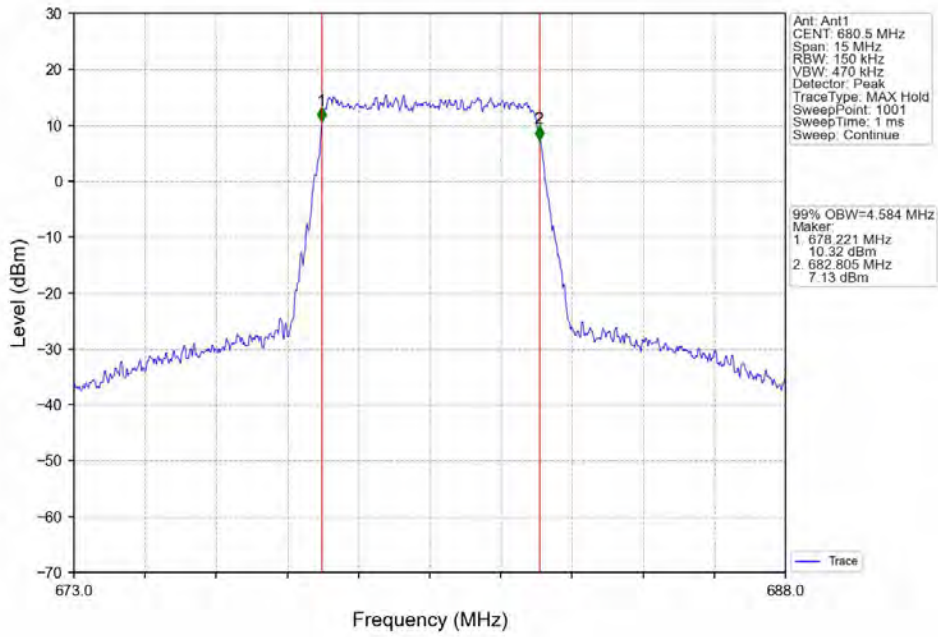
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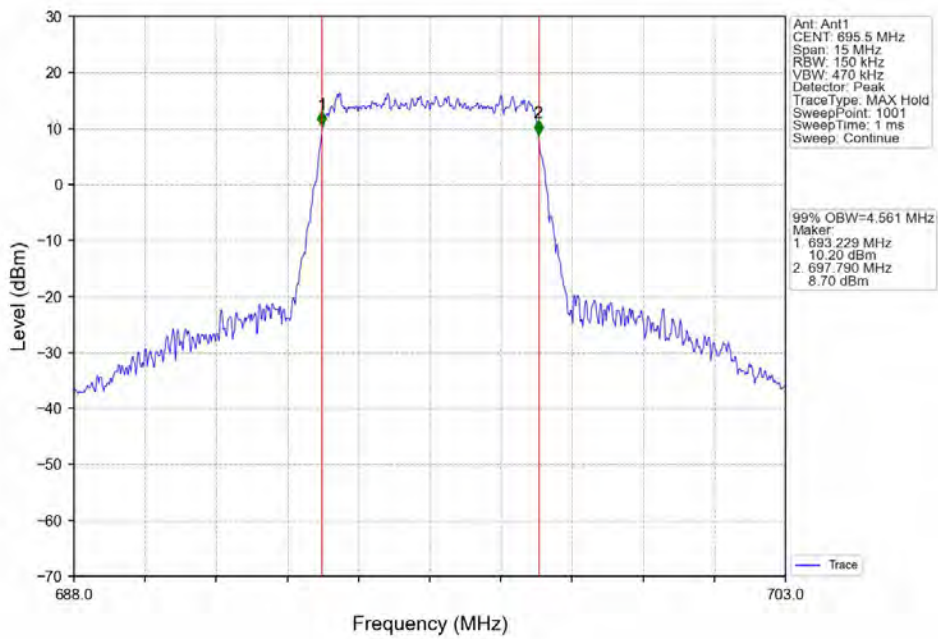
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



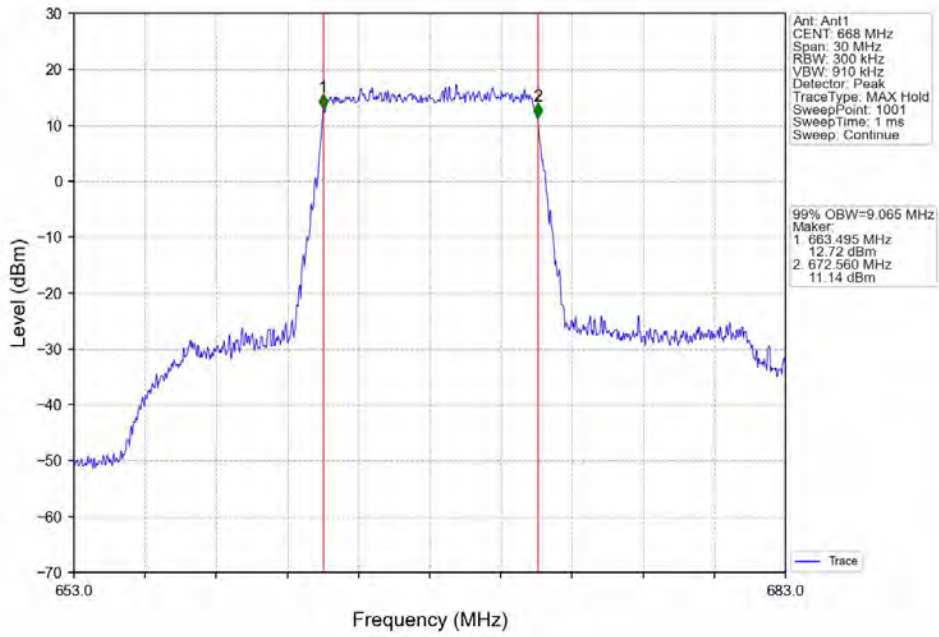
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



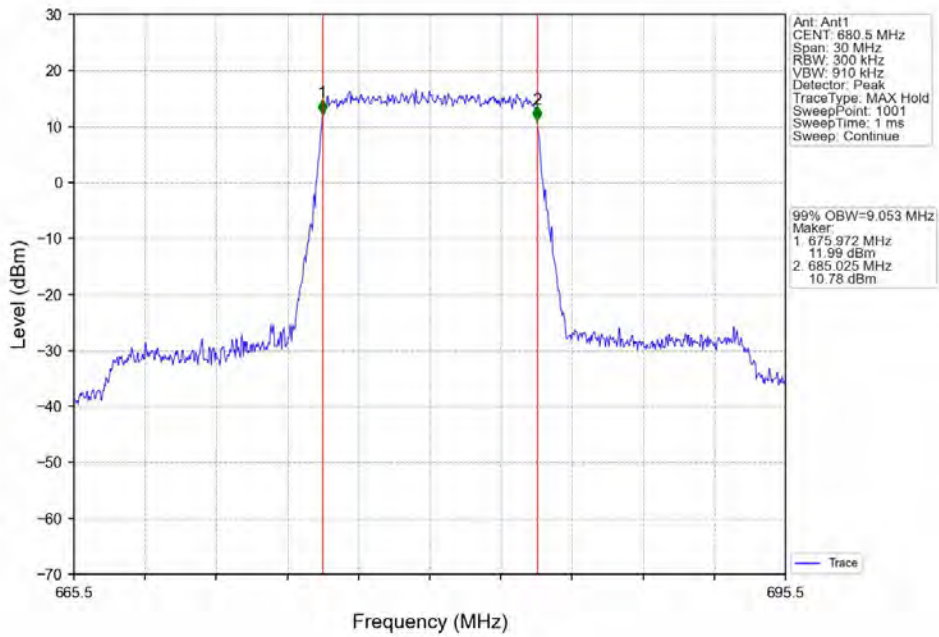
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



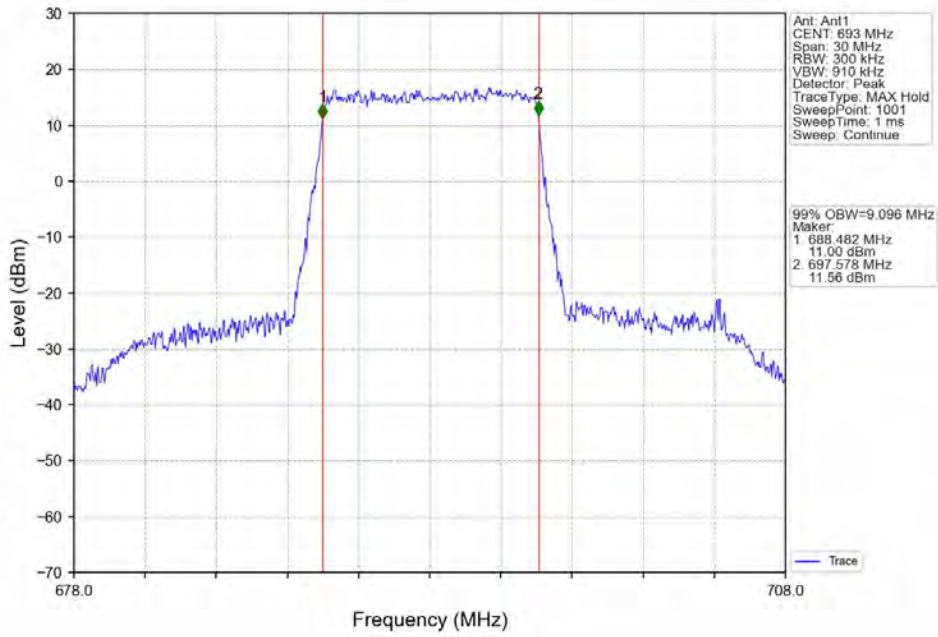
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



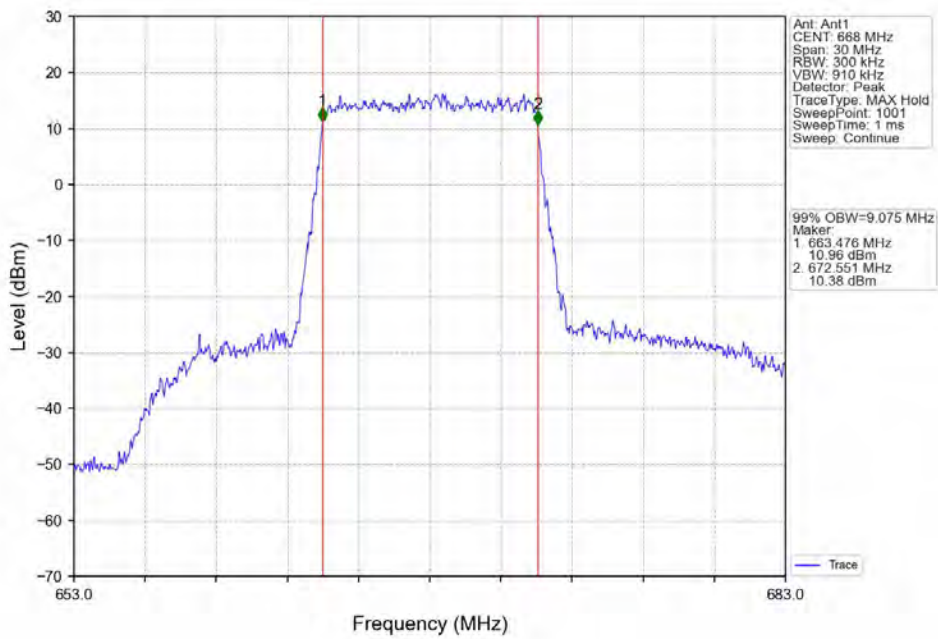
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



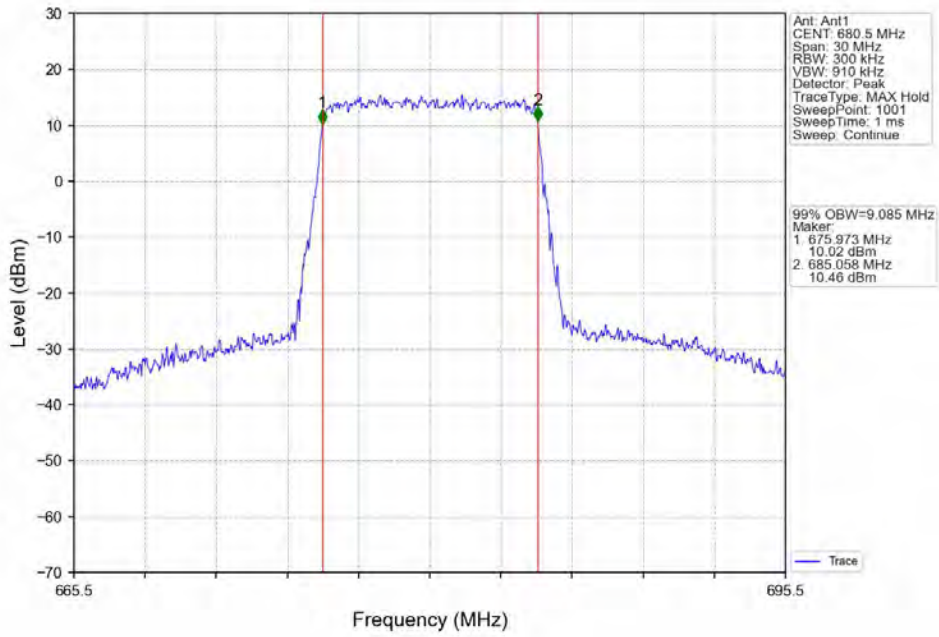
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



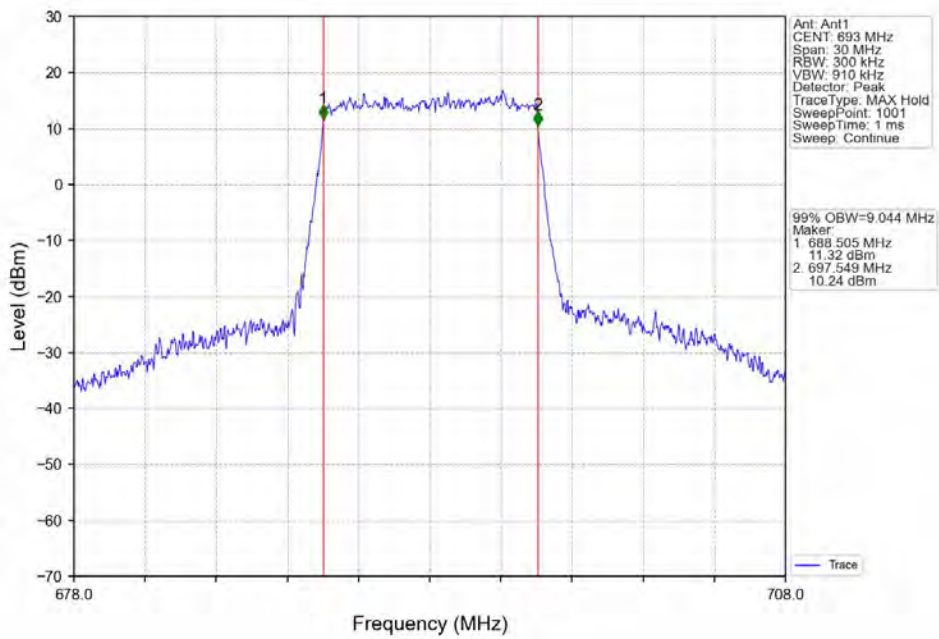
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



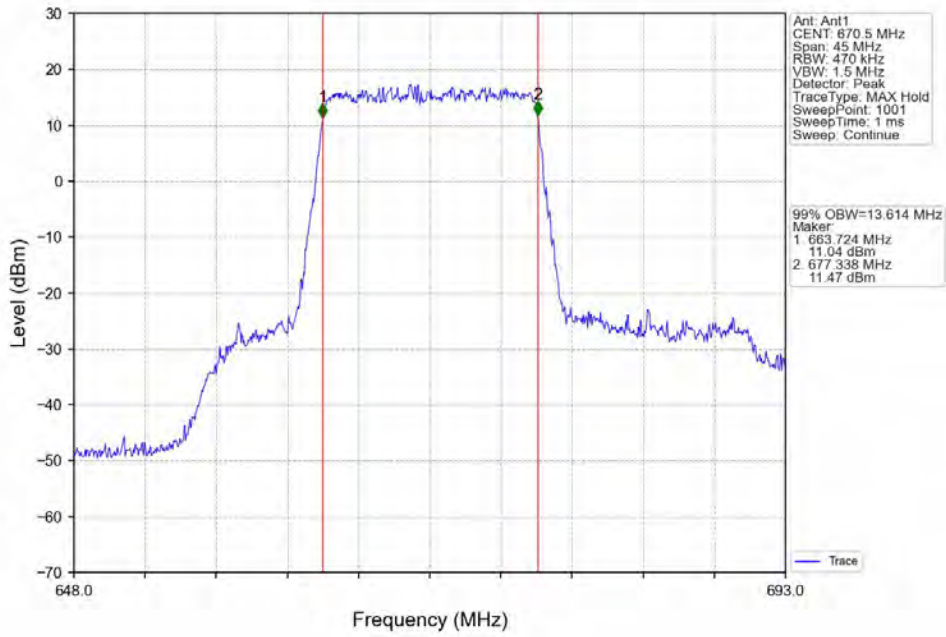
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



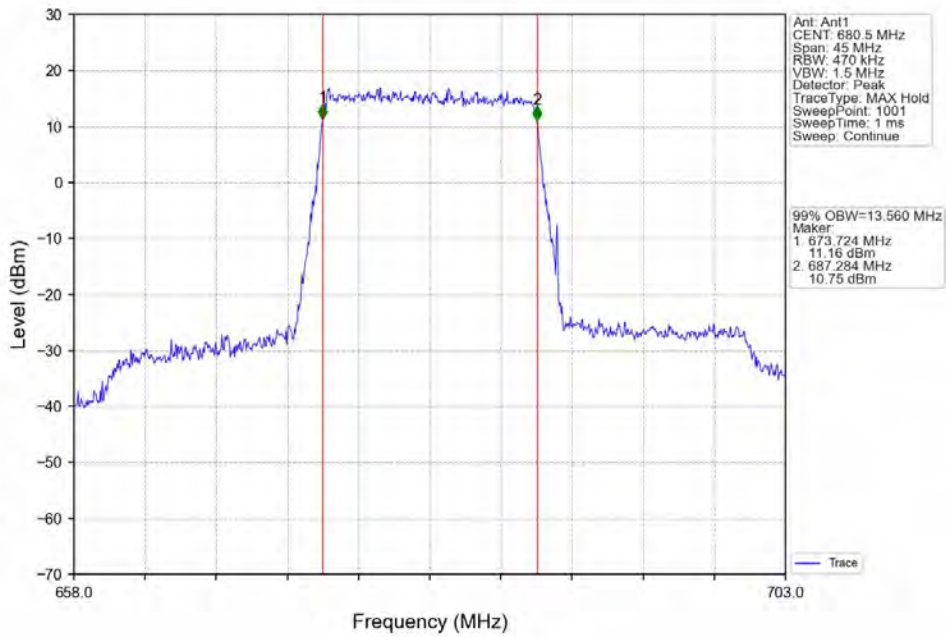
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



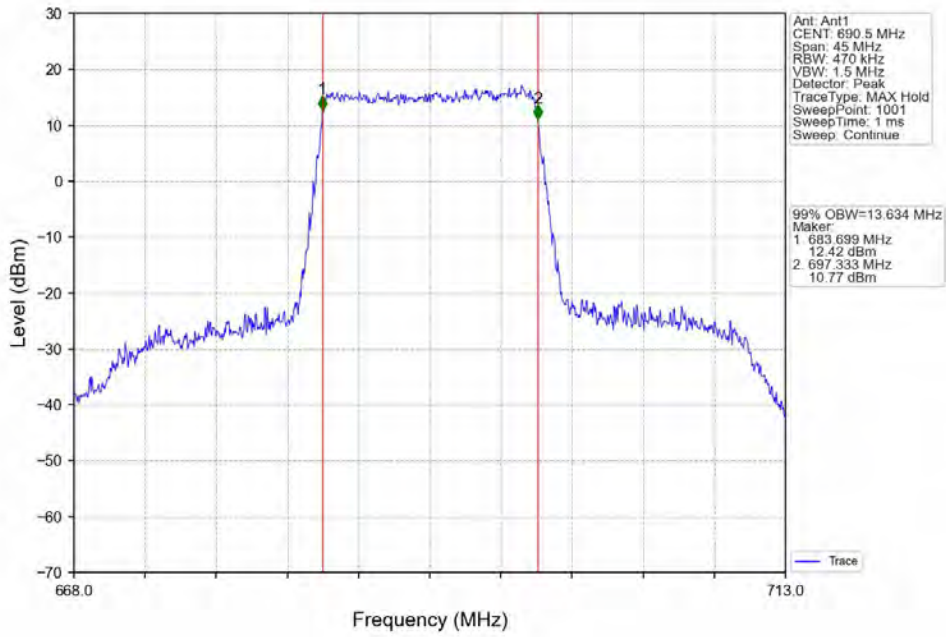
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



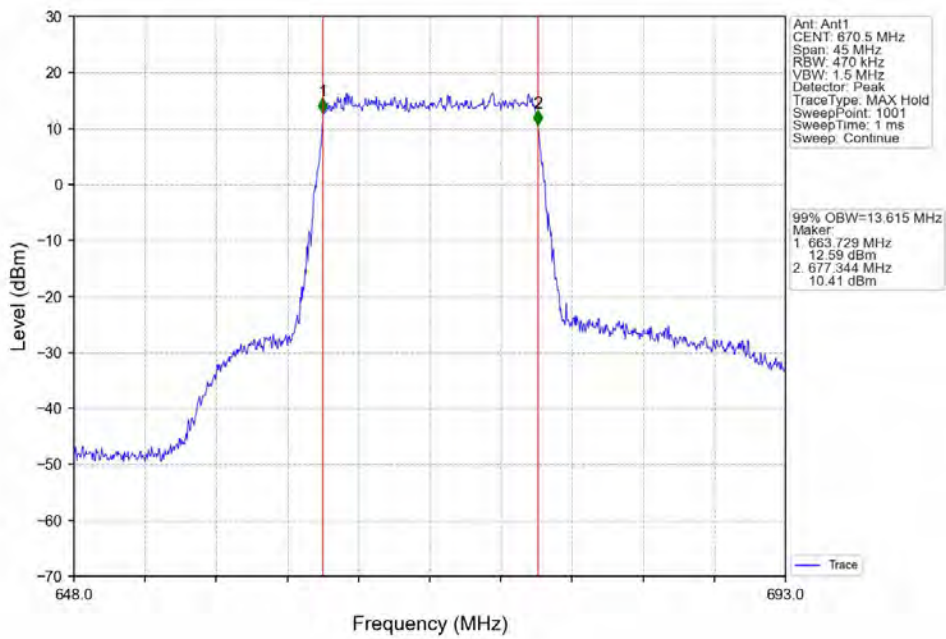
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



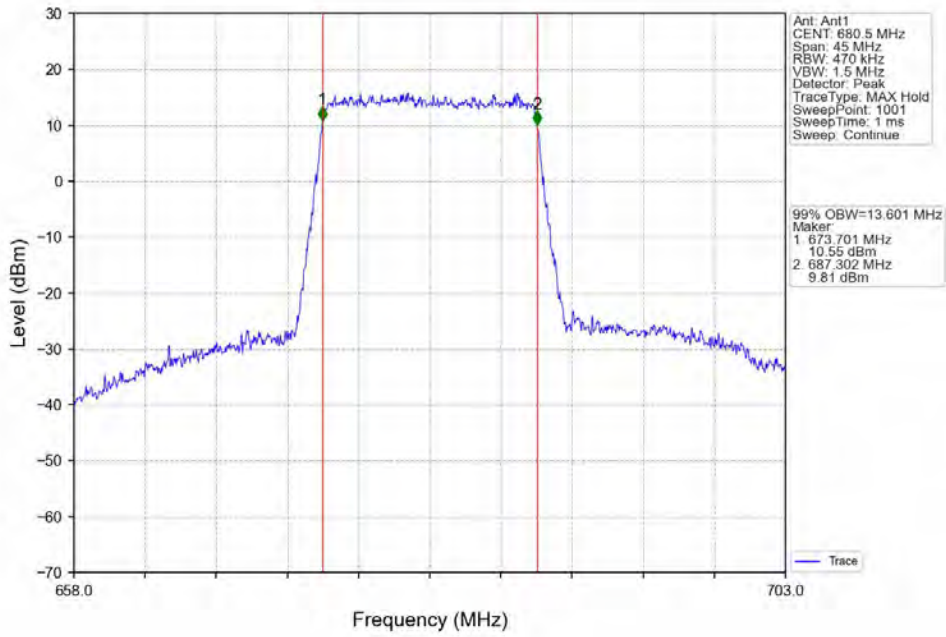
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



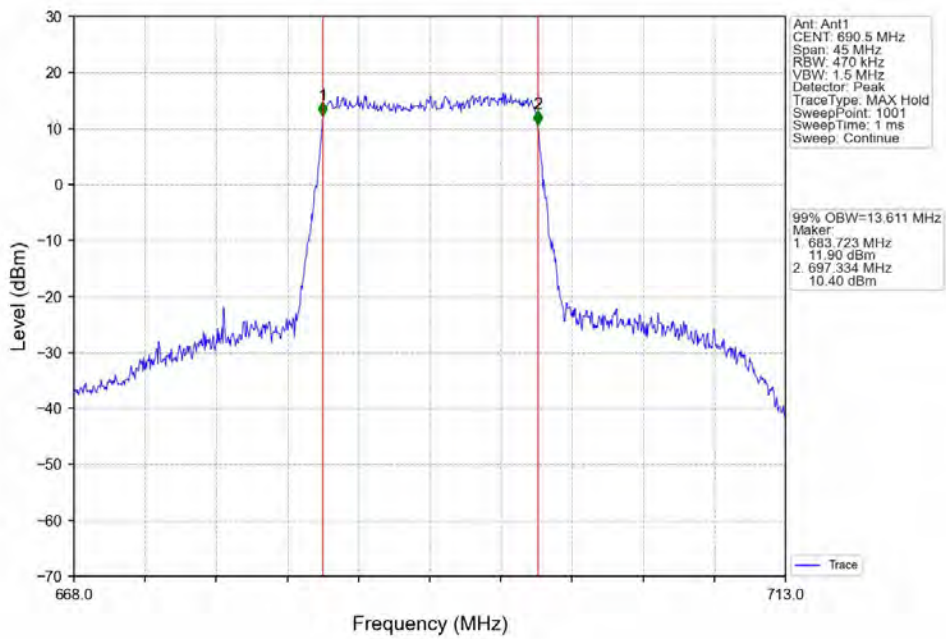
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



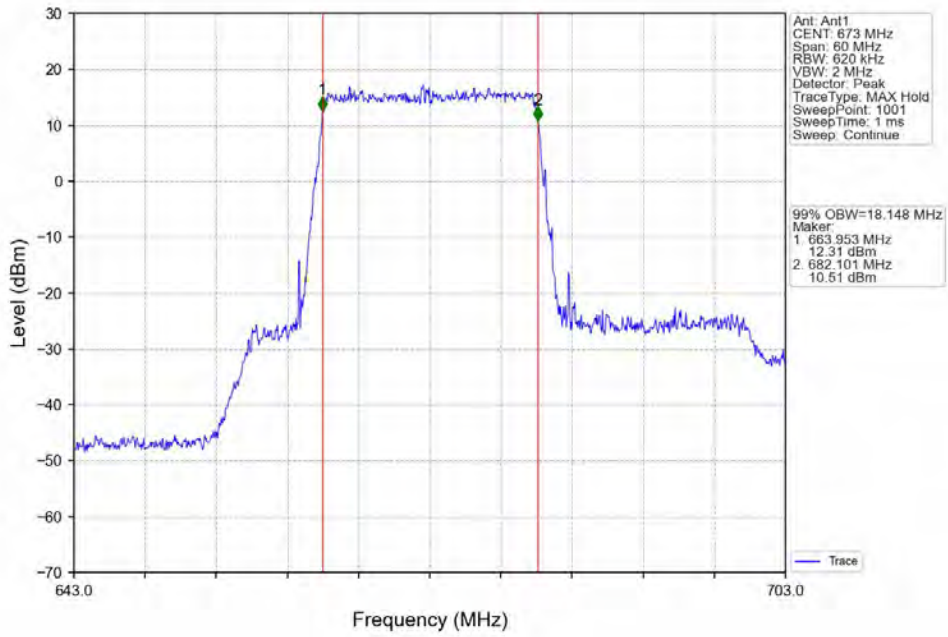
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



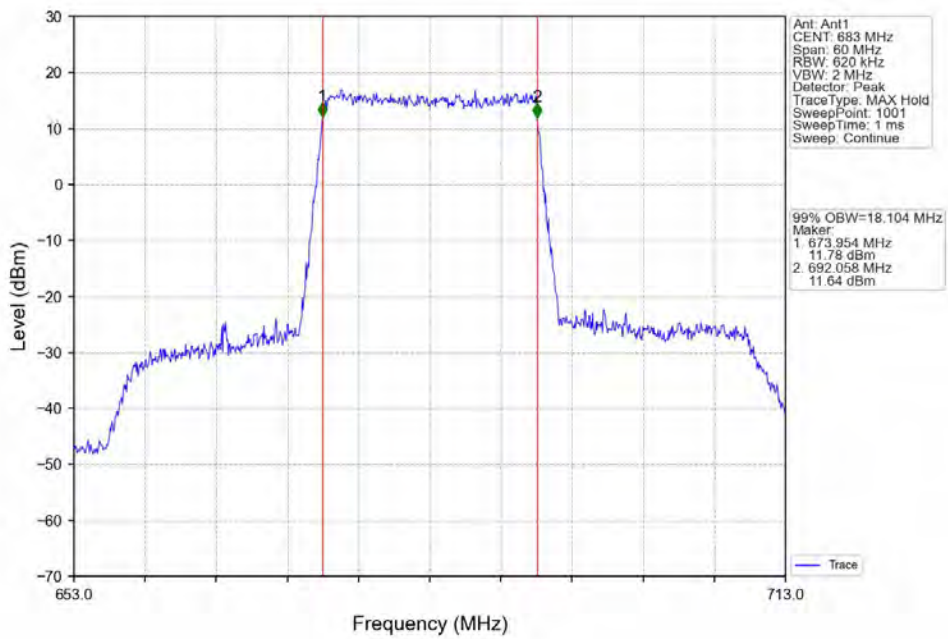
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



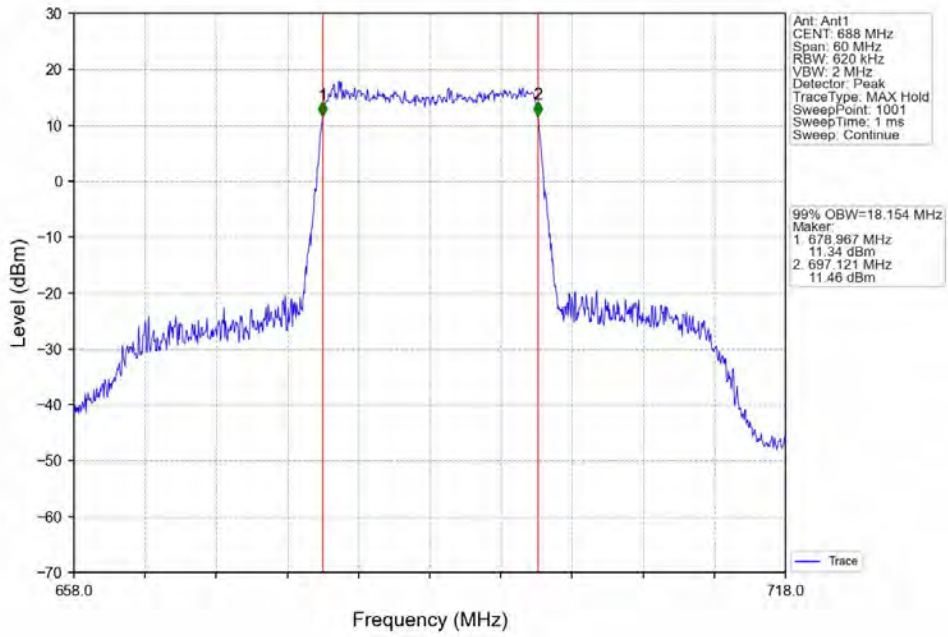
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



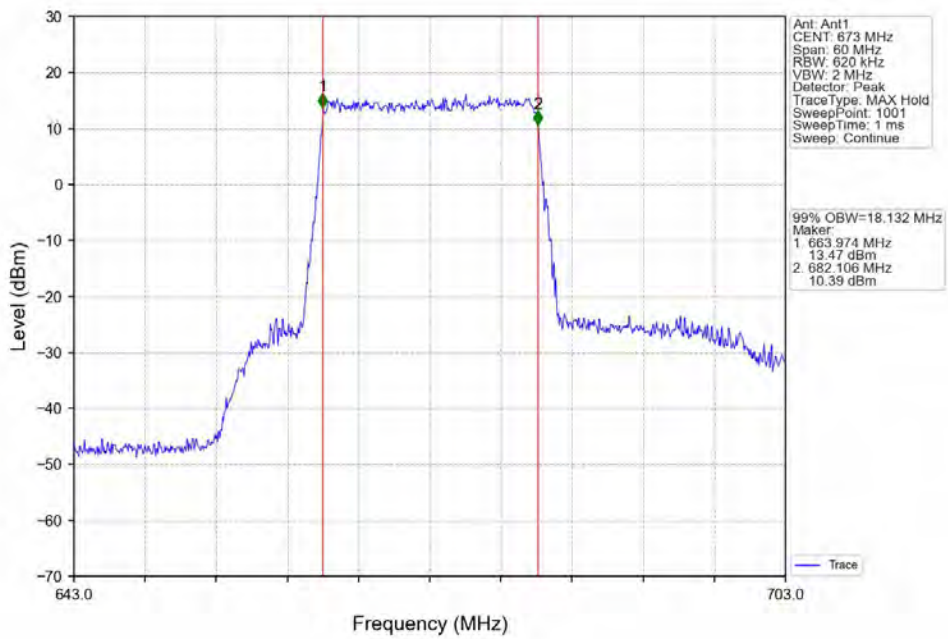
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



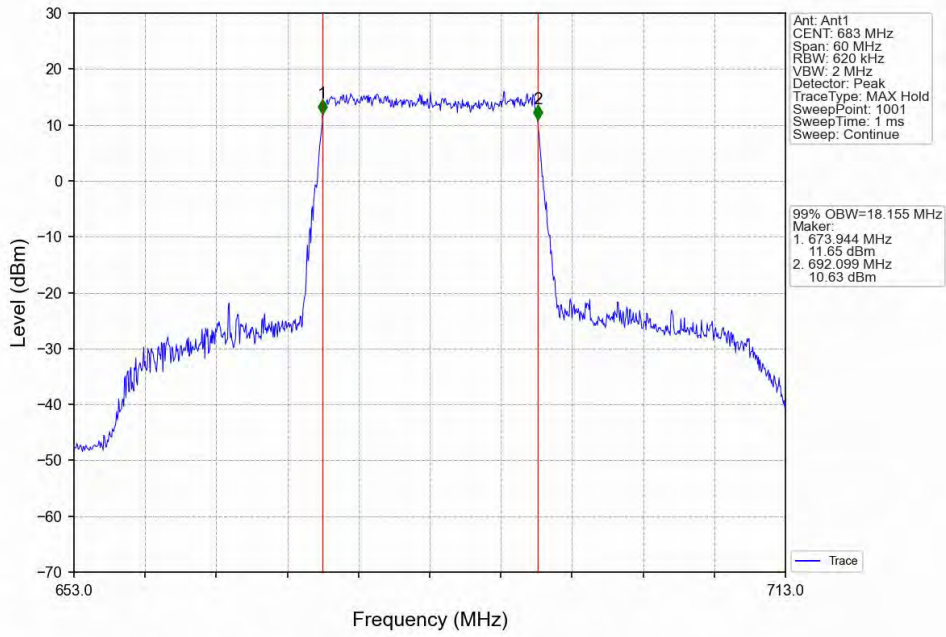
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



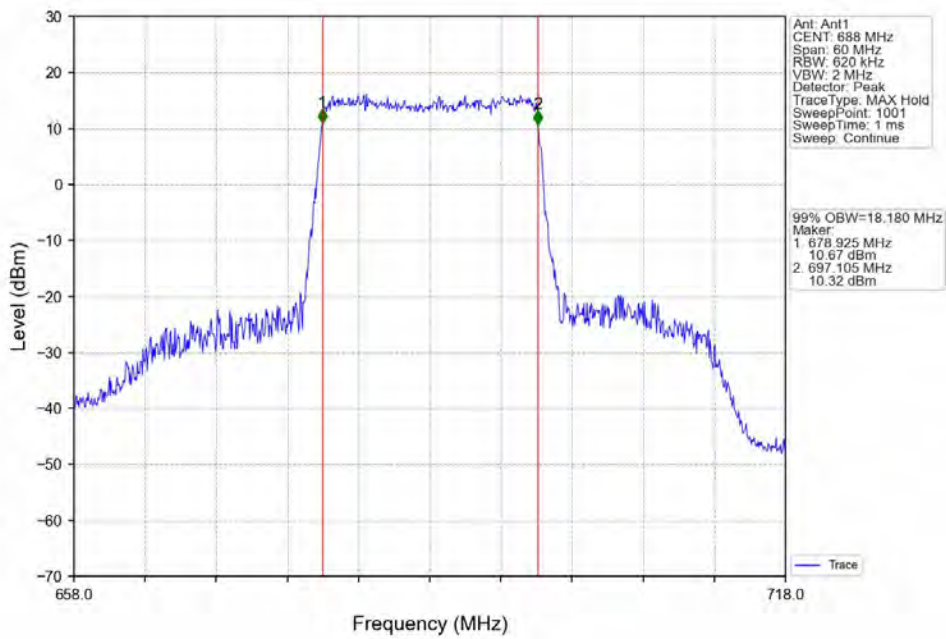
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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



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

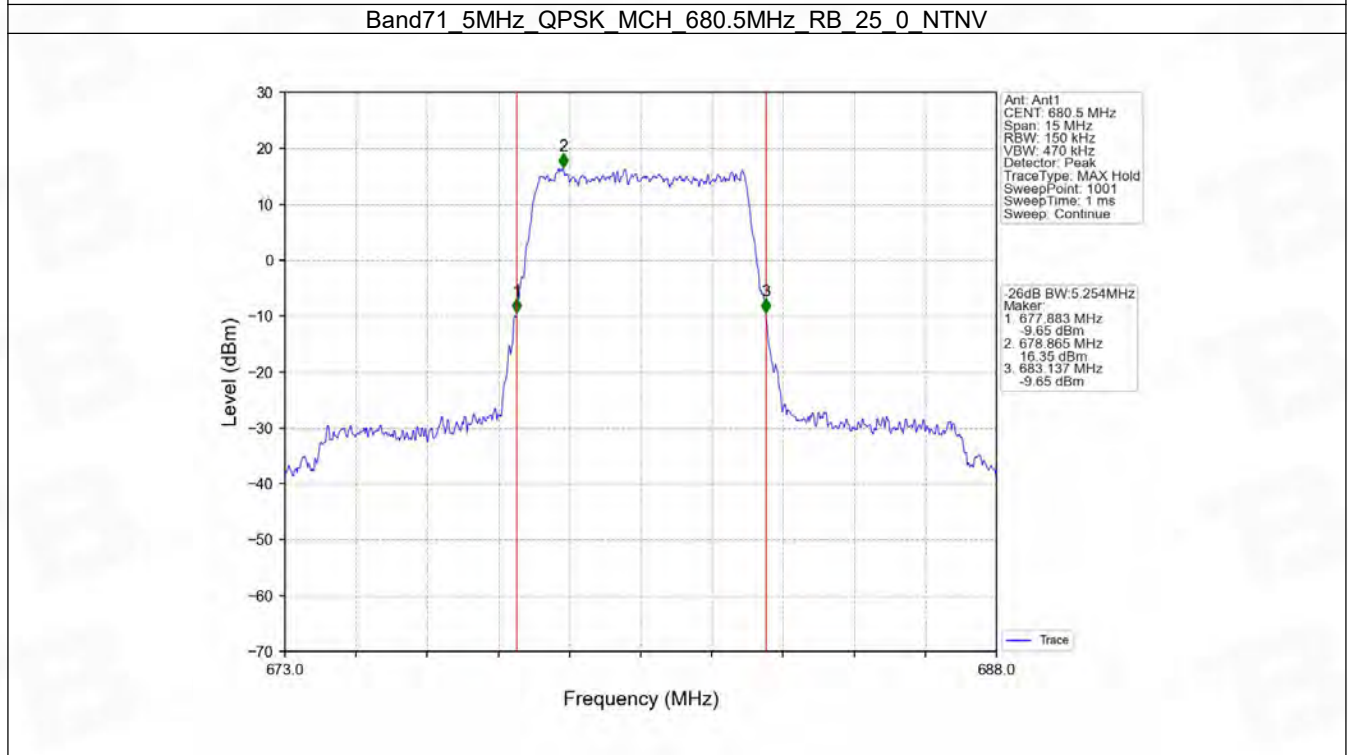
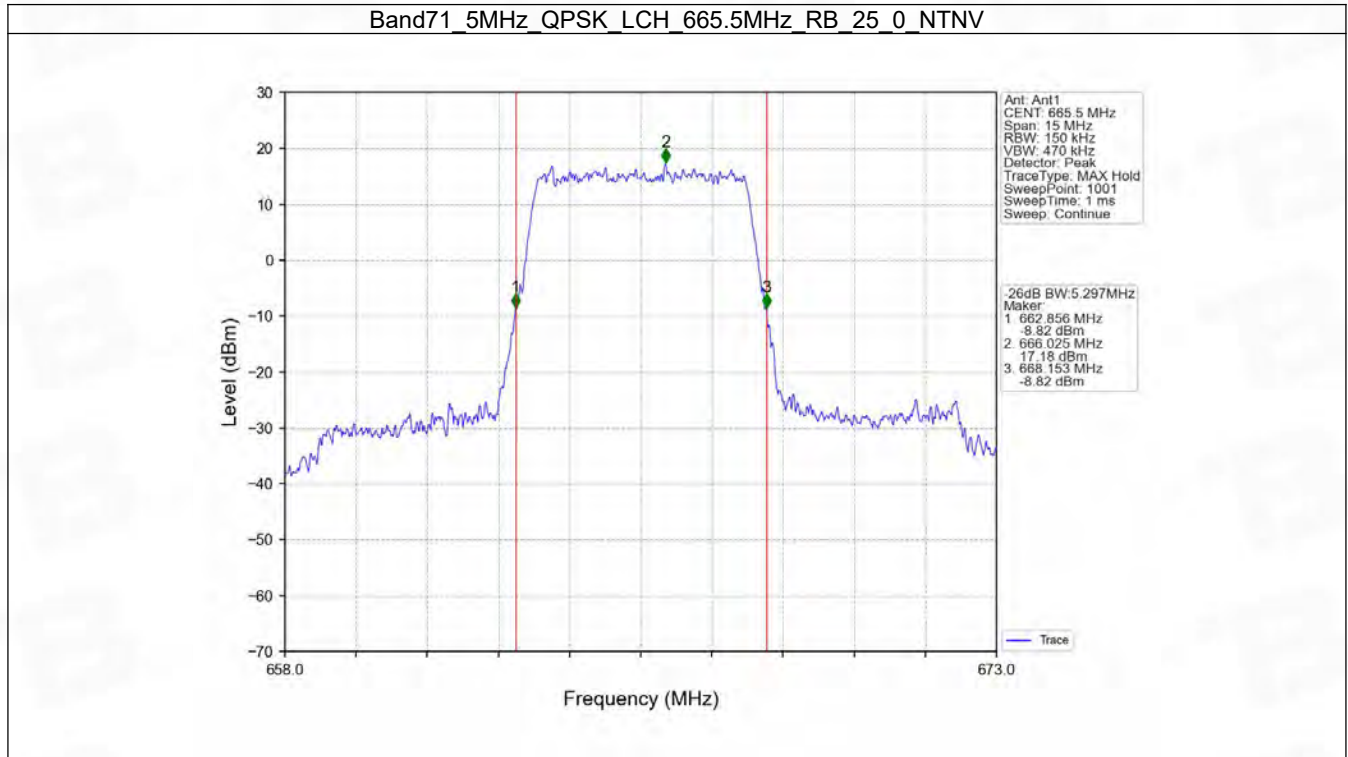


4.2 Band71_XDB

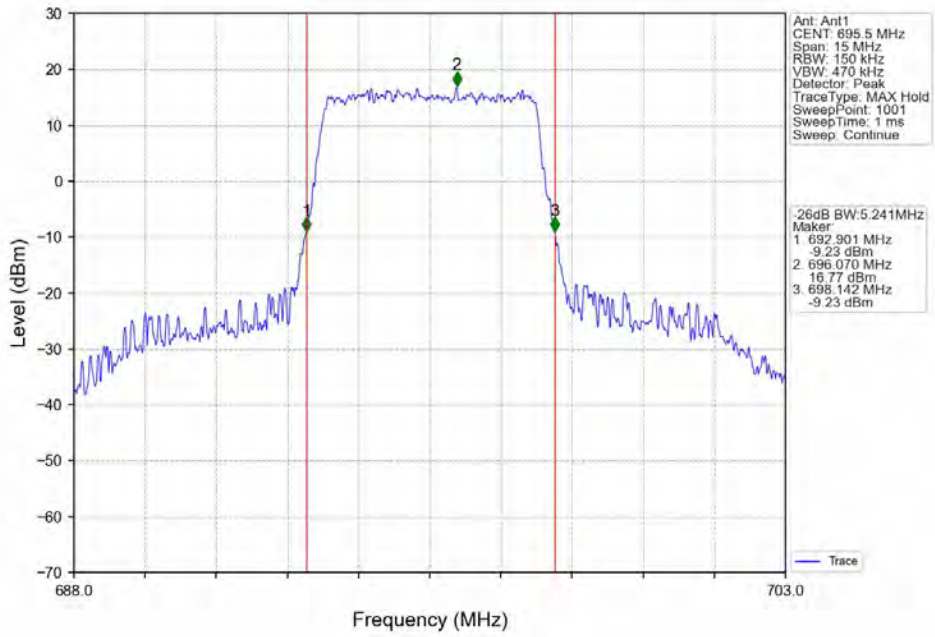
4.2.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.297	Pass
		680.5	25	0	5.254	Pass
		695.5	25	0	5.241	Pass
	16QAM	665.5	25	0	5.259	Pass
		680.5	25	0	5.270	Pass
		695.5	25	0	5.241	Pass
10	QPSK	668	50	0	10.219	Pass
		680.5	50	0	10.259	Pass
		693	50	0	10.330	Pass
	16QAM	668	50	0	10.307	Pass
		680.5	50	0	10.236	Pass
		693	50	0	10.141	Pass
15	QPSK	670.5	75	0	15.318	Pass
		680.5	75	0	15.668	Pass
		690.5	75	0	15.359	Pass
	16QAM	670.5	75	0	15.376	Pass
		680.5	75	0	15.336	Pass
		690.5	75	0	15.237	Pass
20	QPSK	673	100	0	20.417	Pass
		683	100	0	20.116	Pass
		688	100	0	19.946	Pass
	16QAM	673	100	0	20.159	Pass
		683	100	0	20.306	Pass
		688	100	0	20.158	Pass

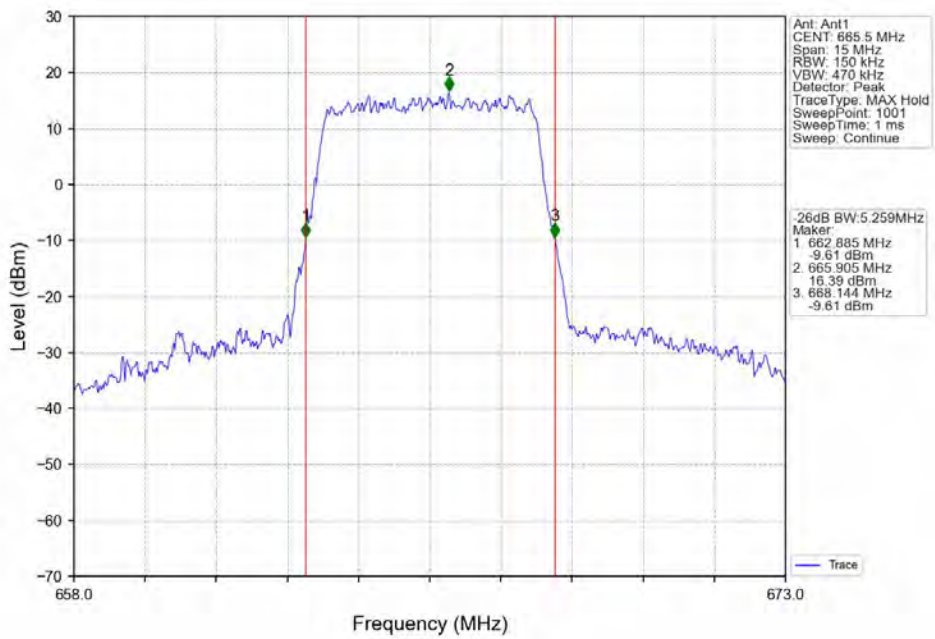
4.2.2 Test Graph



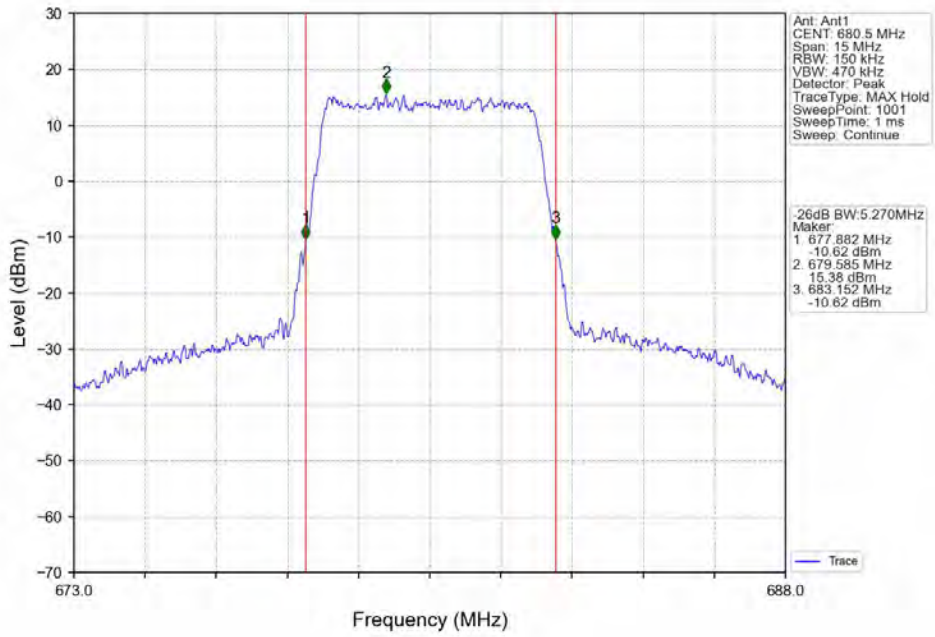
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



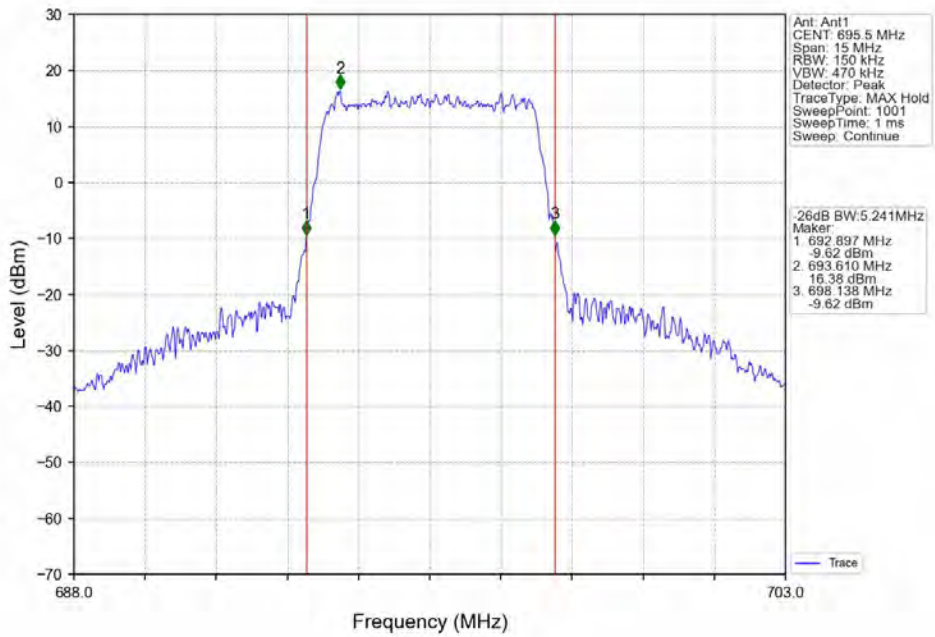
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



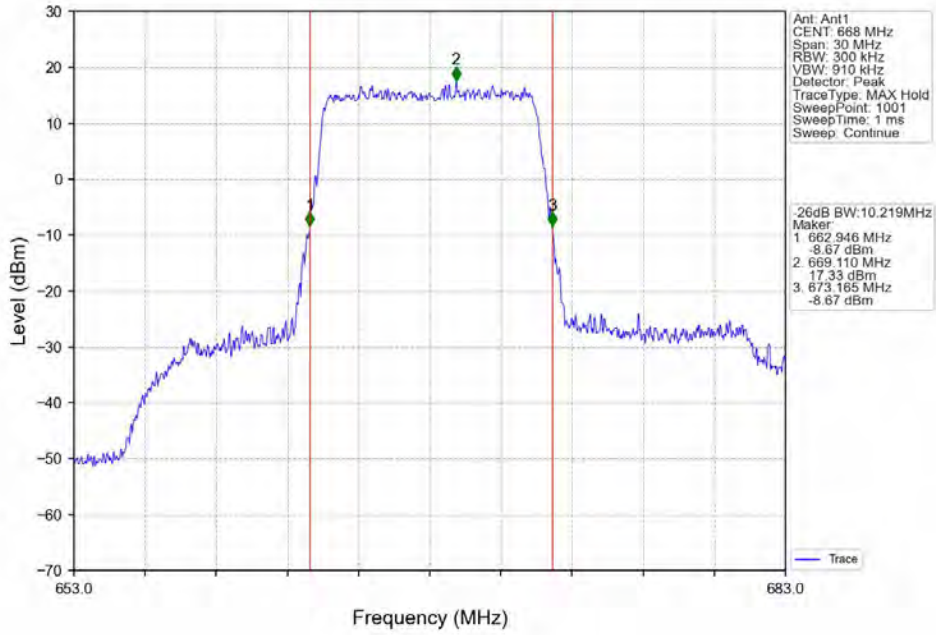
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



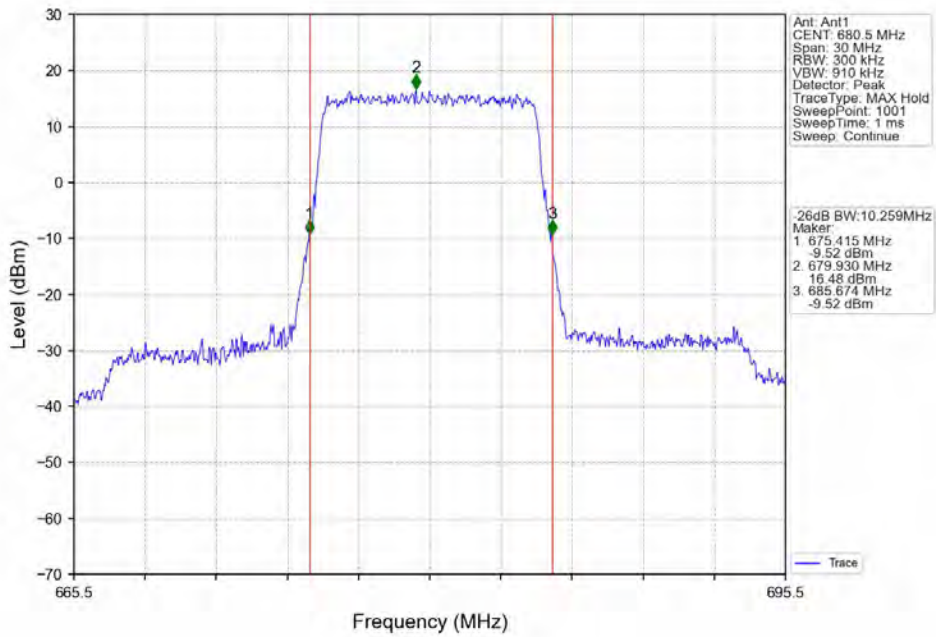
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



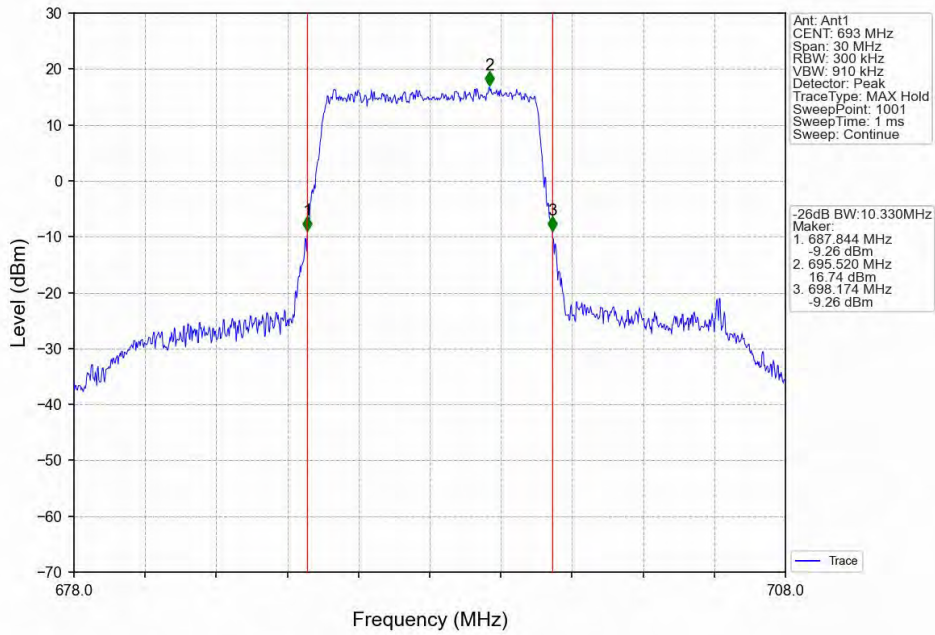
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



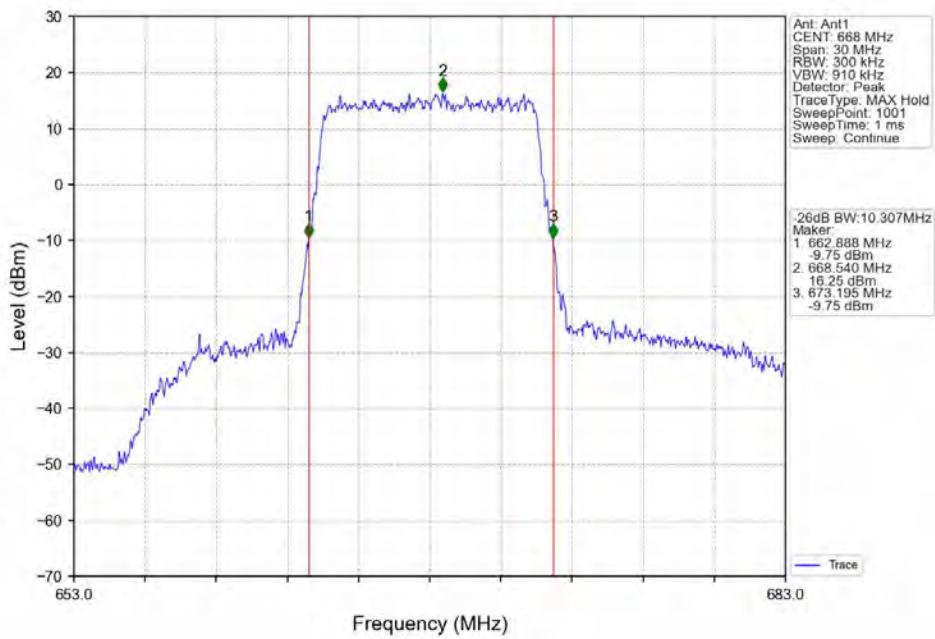
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



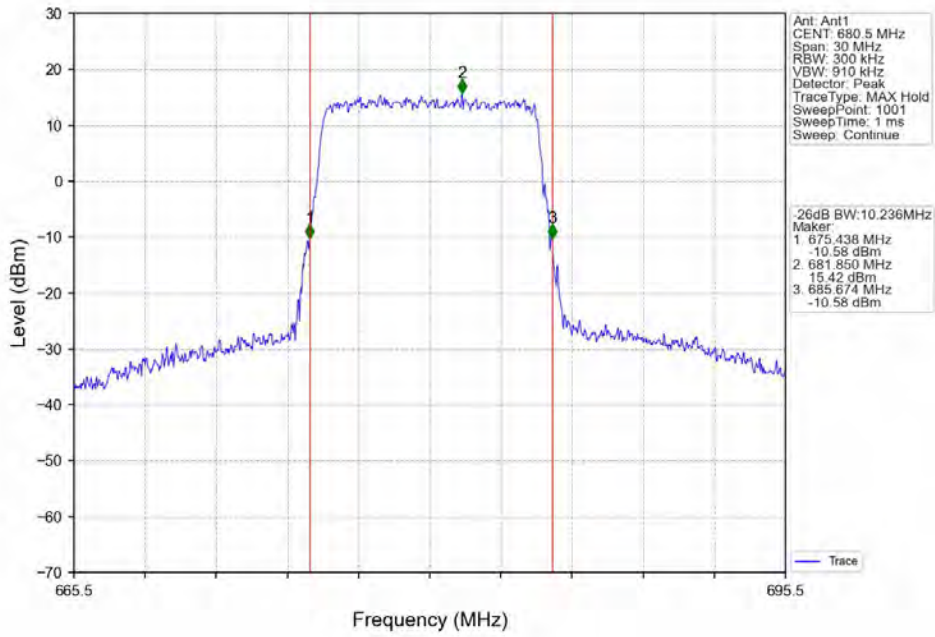
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



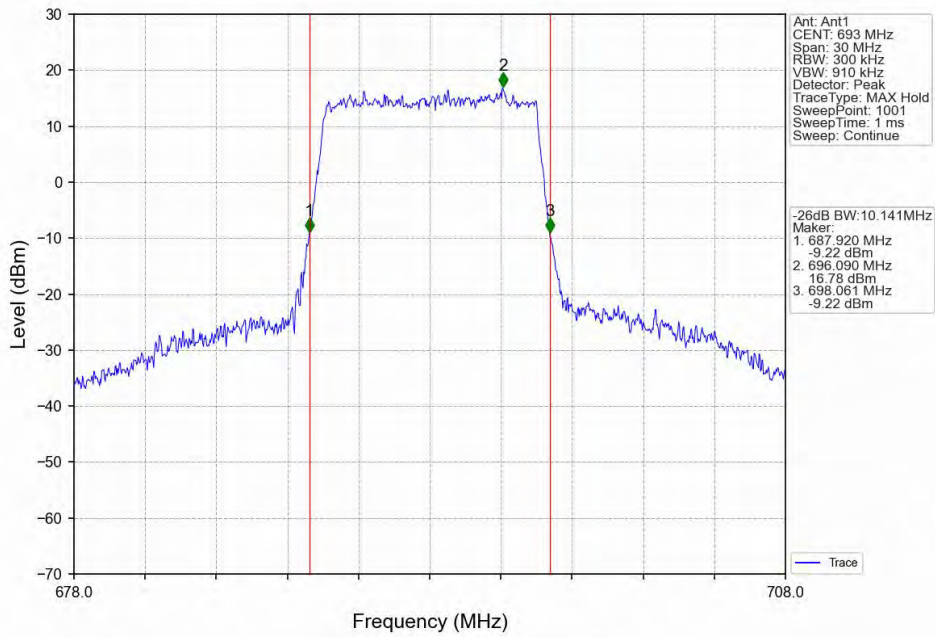
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



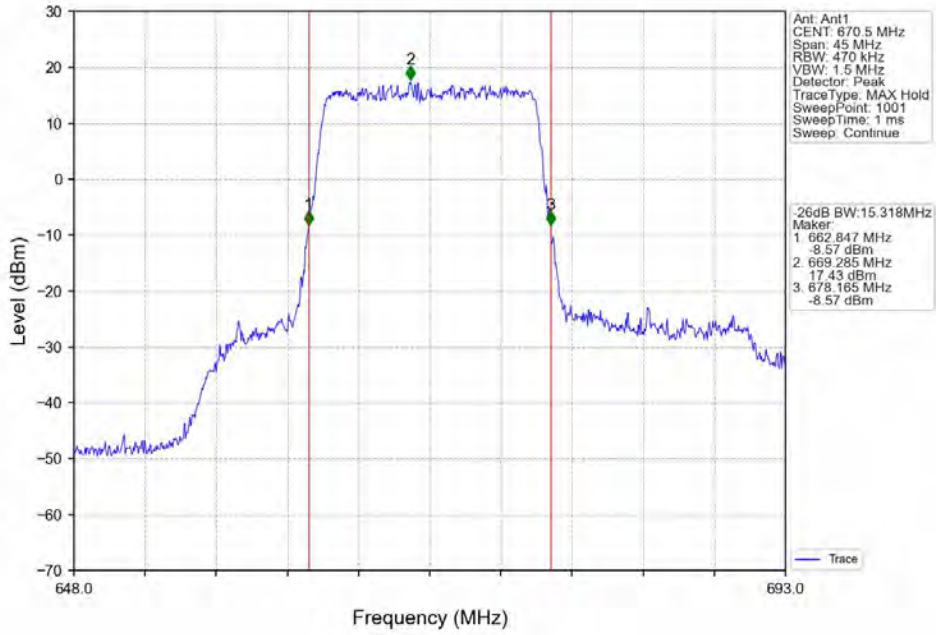
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



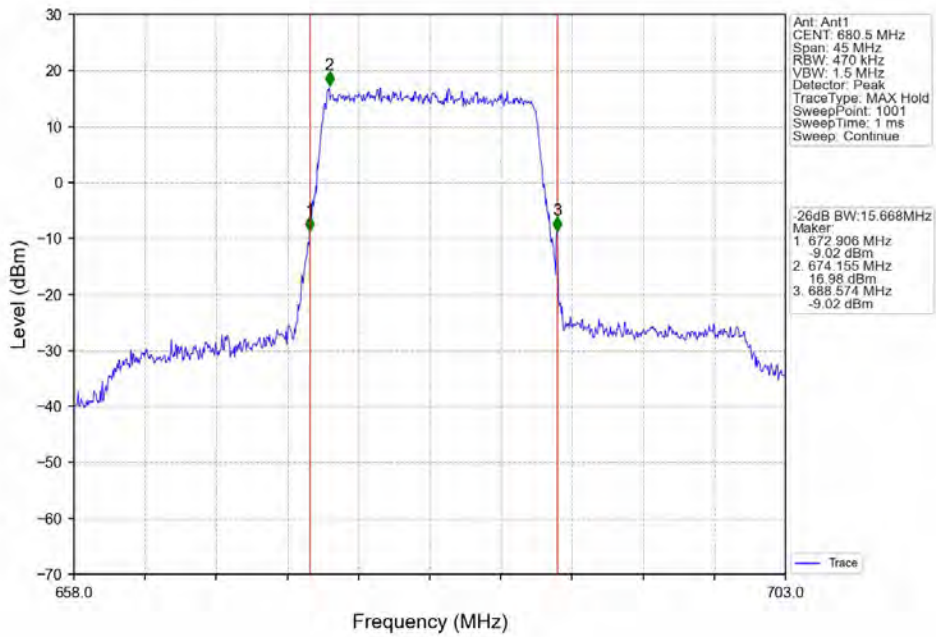
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



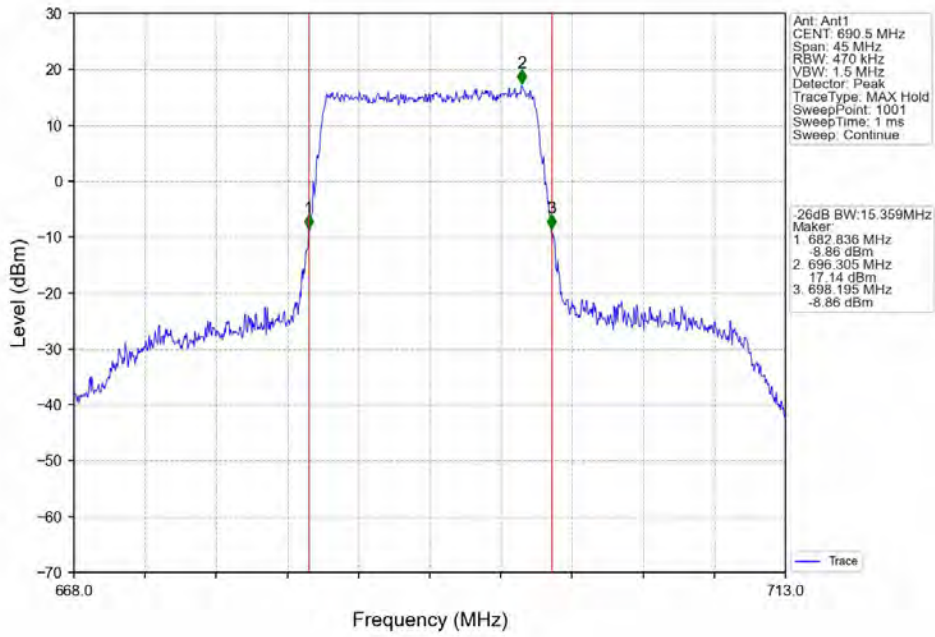
Band71_15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



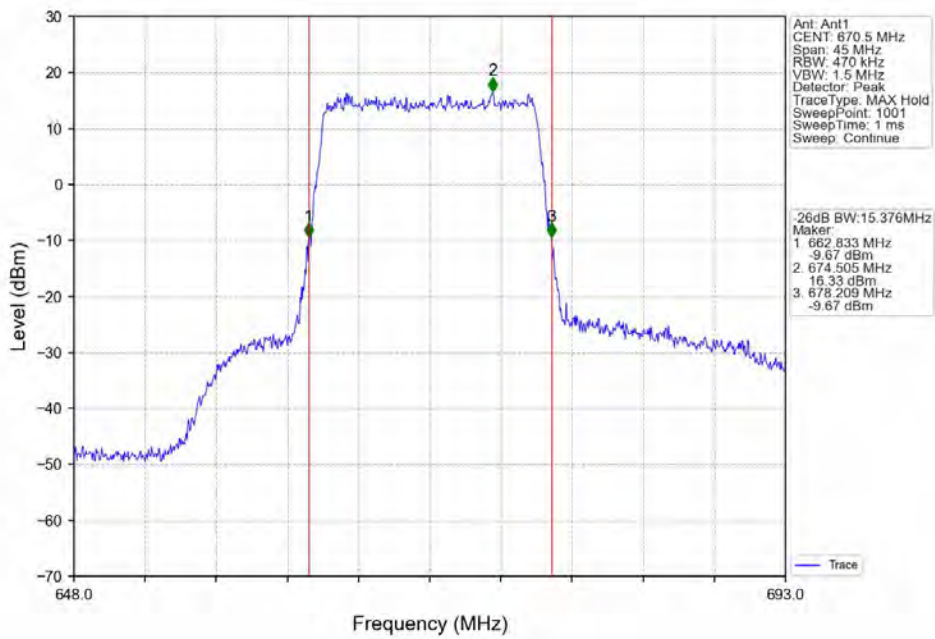
Band71_15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



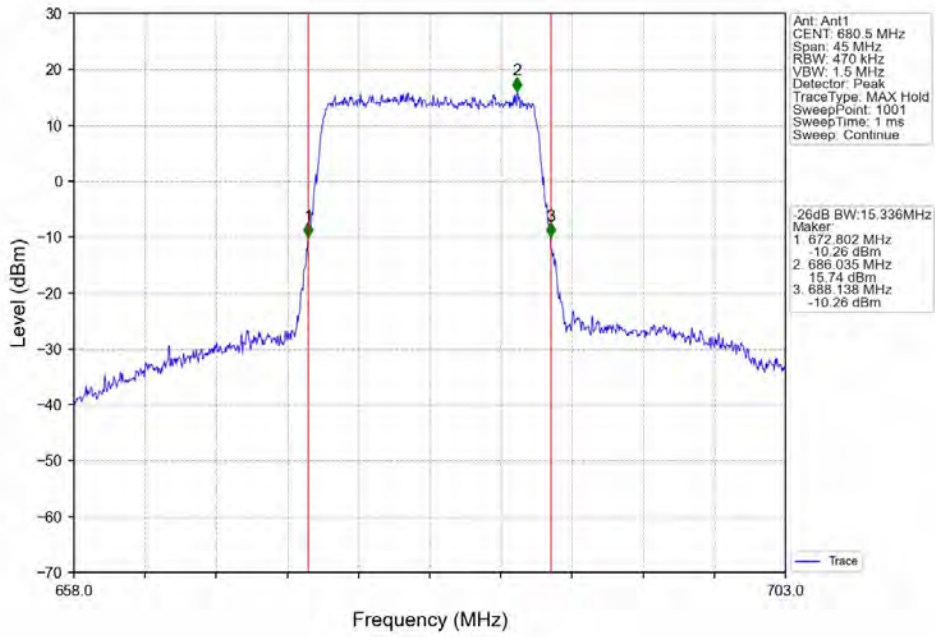
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



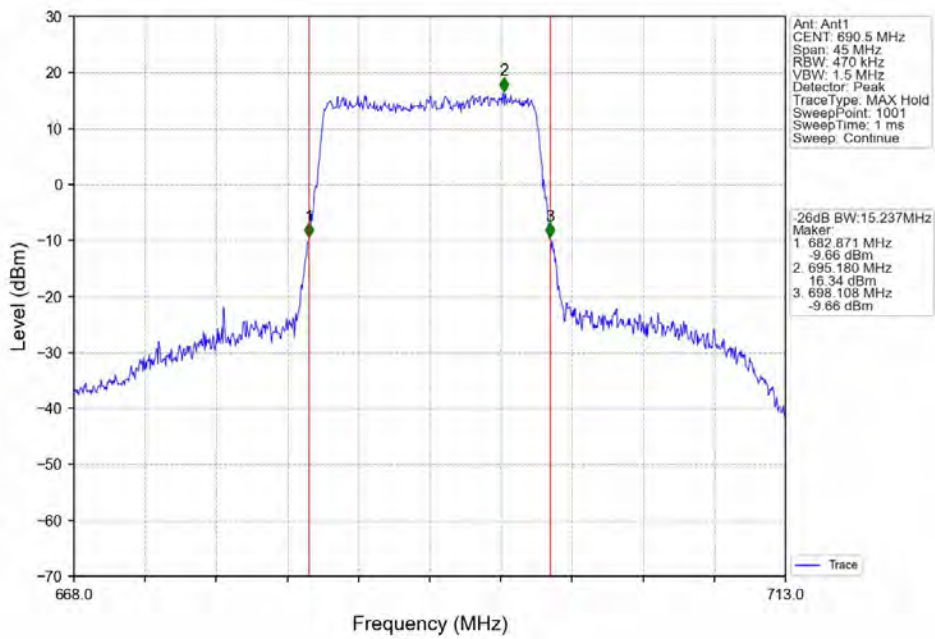
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



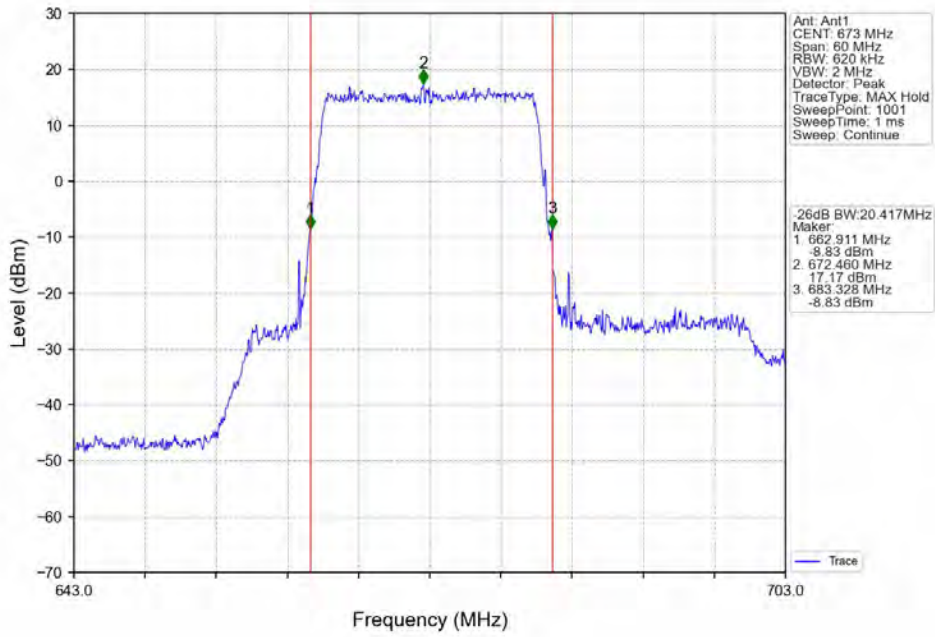
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



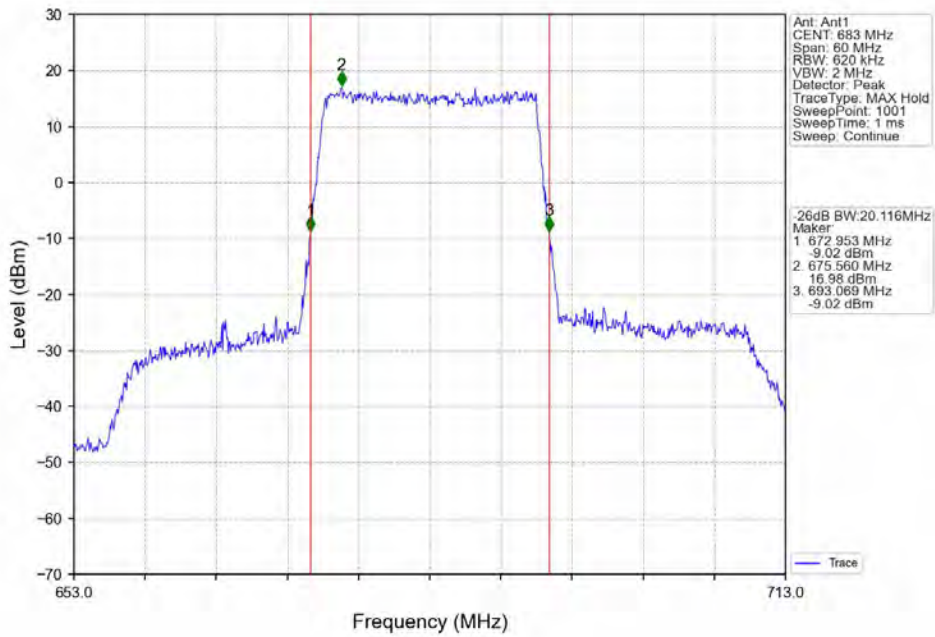
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



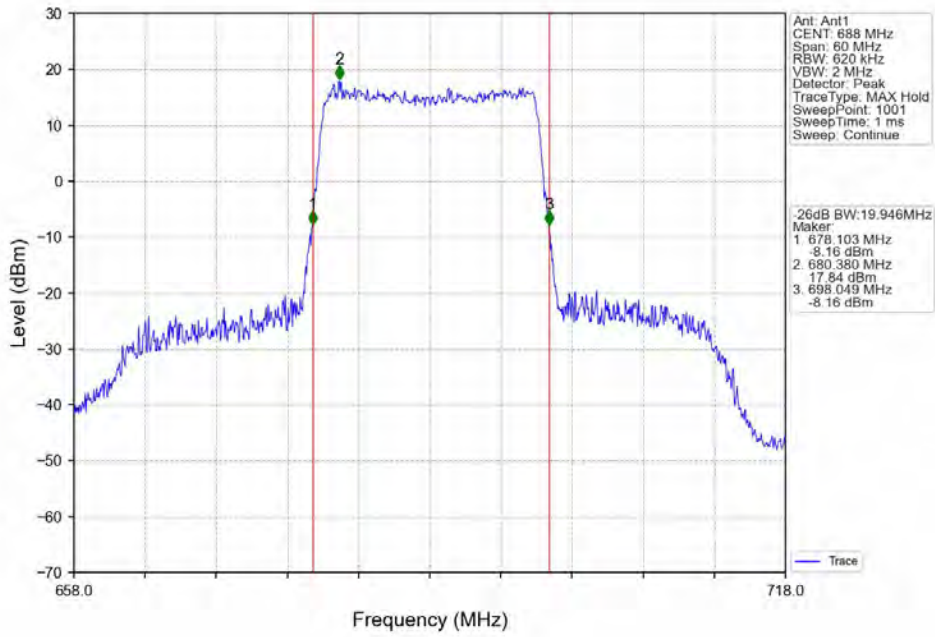
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



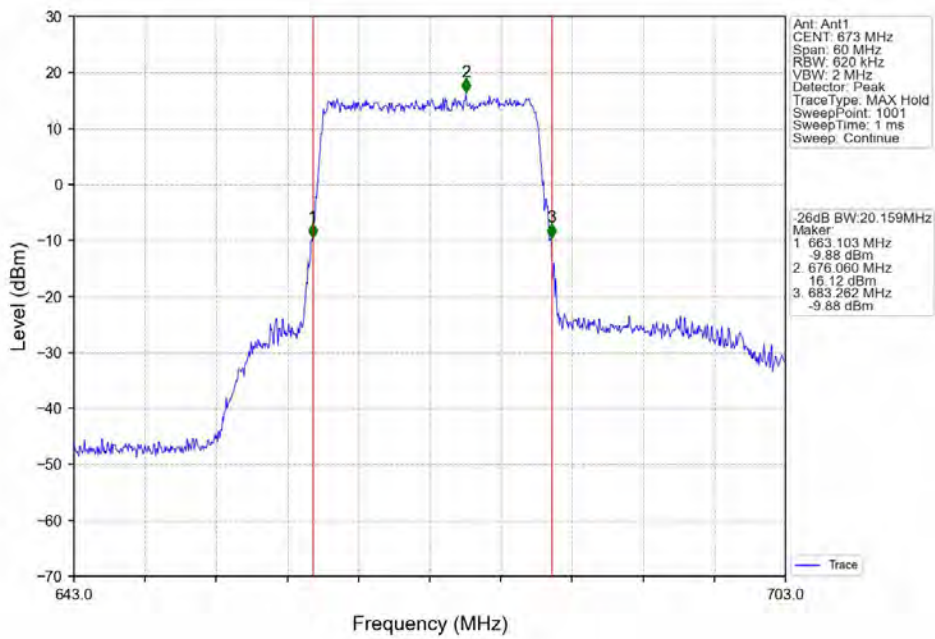
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



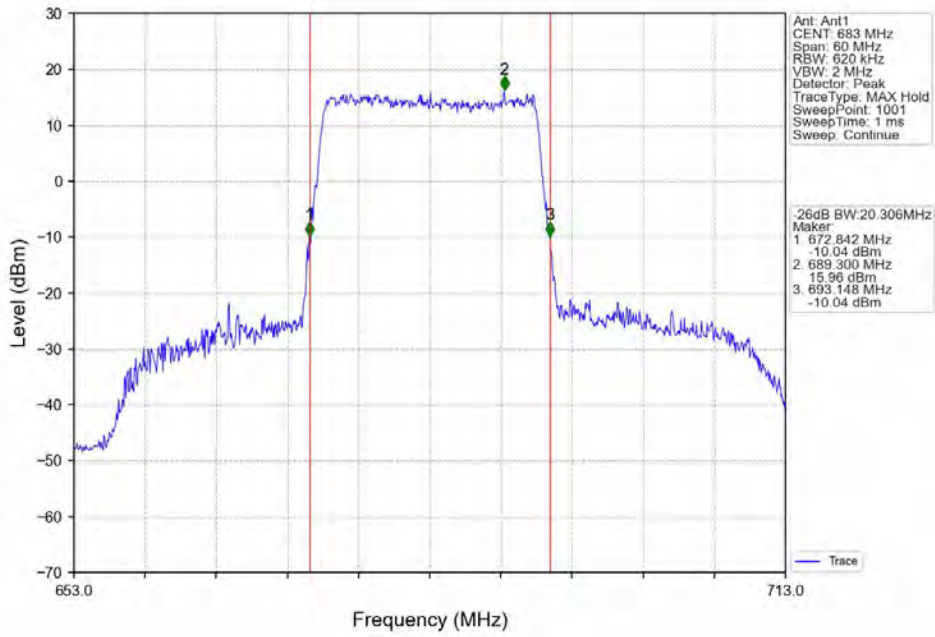
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



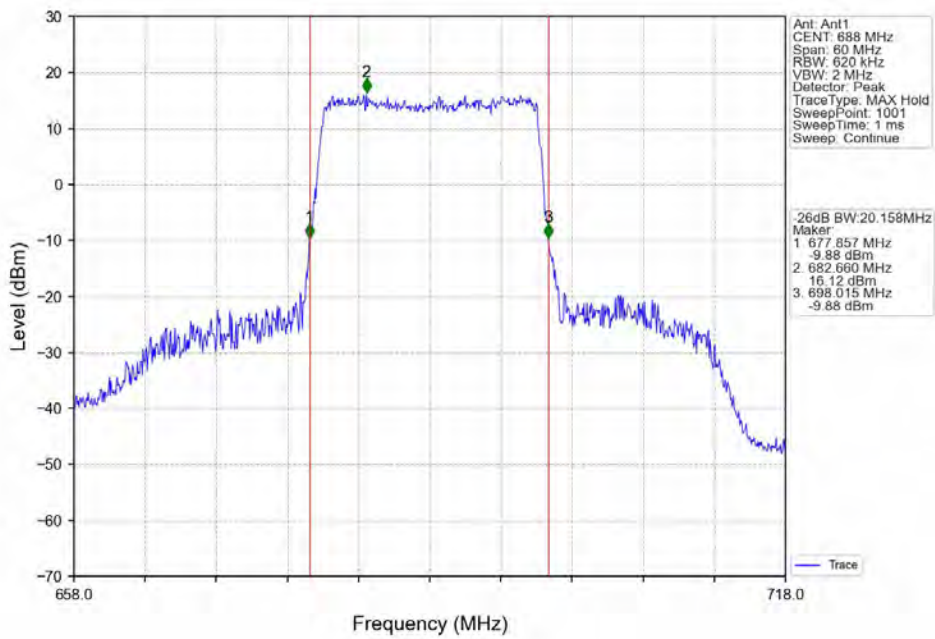
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71 20MHz 16QAM MCH 683MHz RB 100_0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 100_0 NTNV



5. Peak-Average Ratio

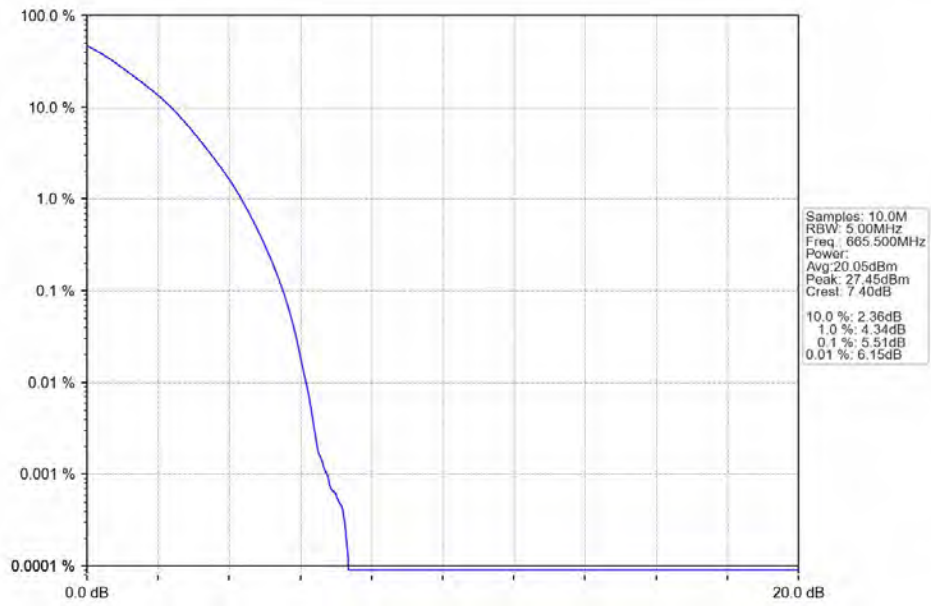
5.1 B71_5MHz

5.1.1 Test Result

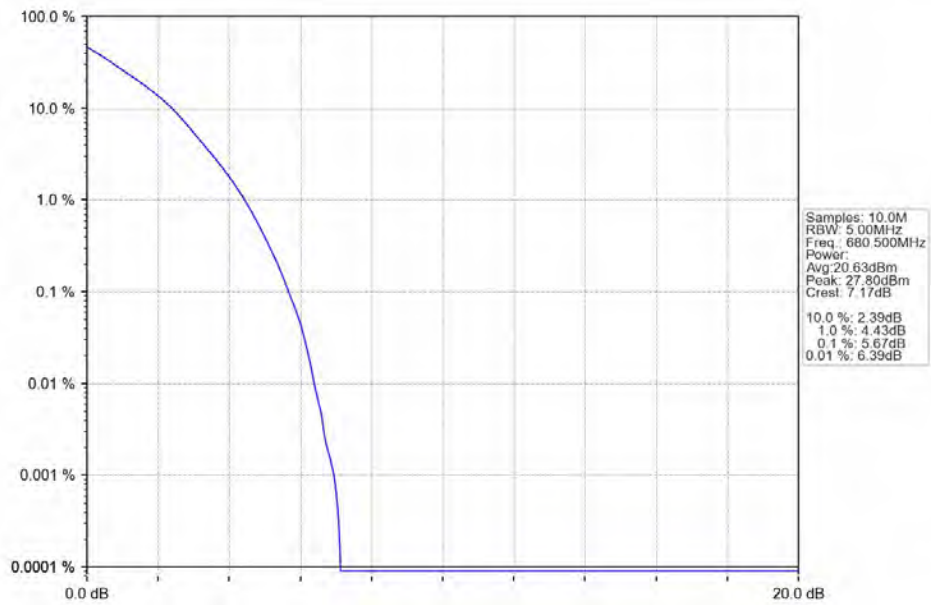
Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.51	<=13	Pass
	680.5	25	0	5.67	<=13	Pass
	695.5	25	0	5.58	<=13	Pass
16QAM	665.5	25	0	6.17	<=13	Pass
	680.5	25	0	6.40	<=13	Pass
	695.5	25	0	6.20	<=13	Pass

5.1.2 Test Graph

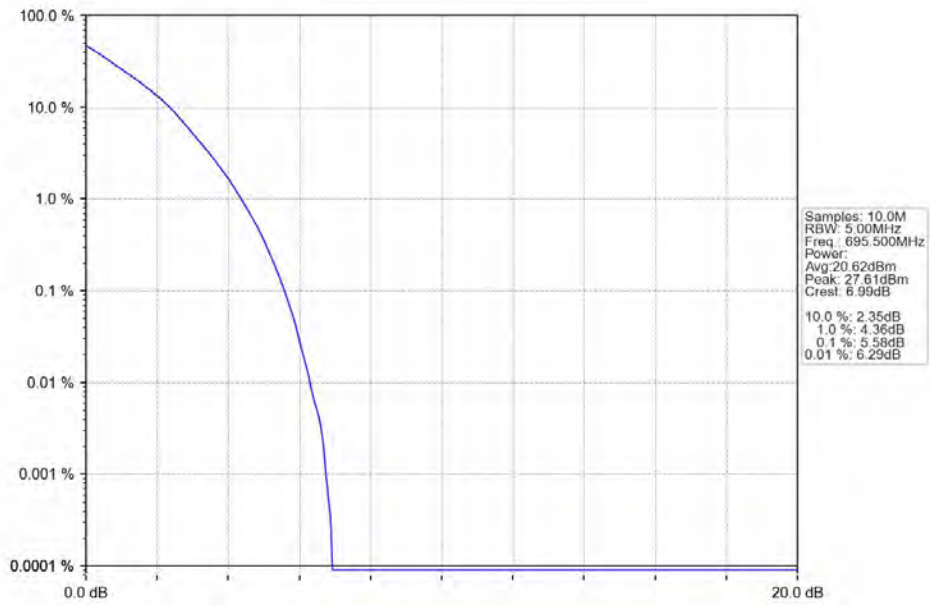
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



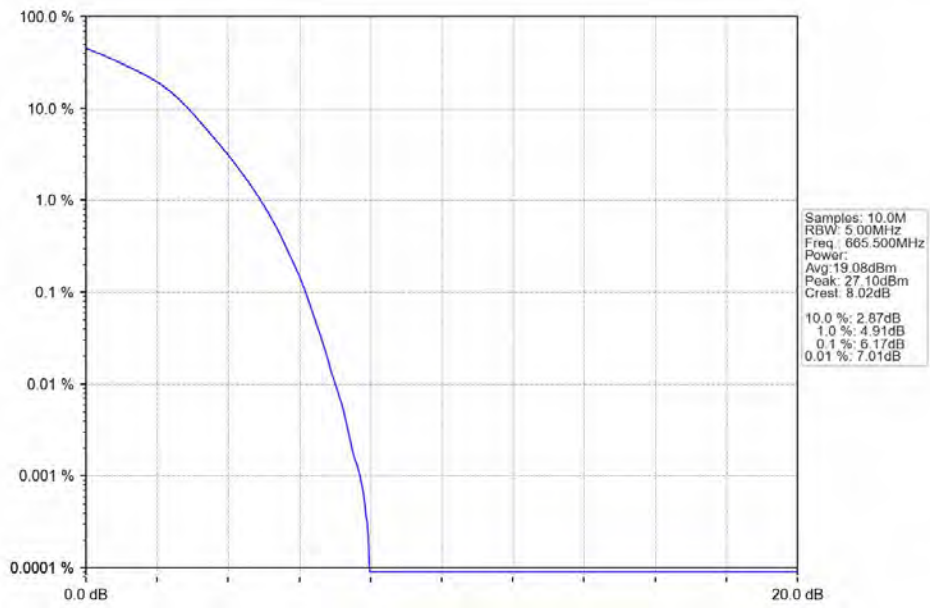
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



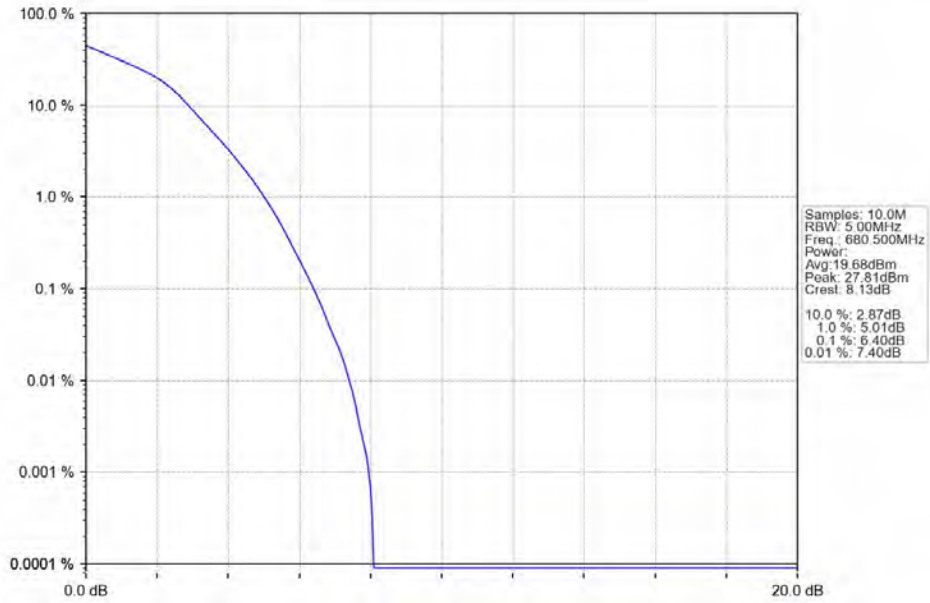
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



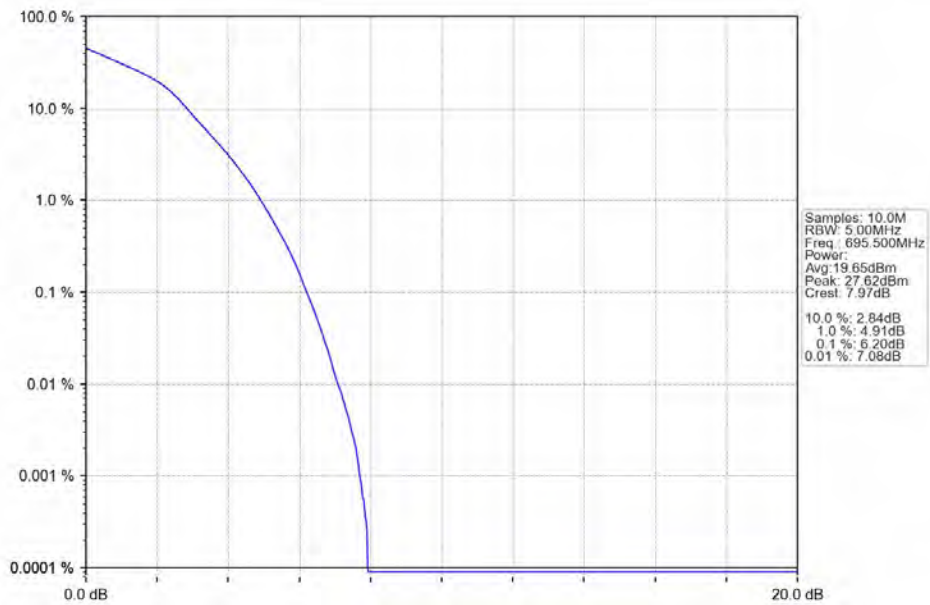
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



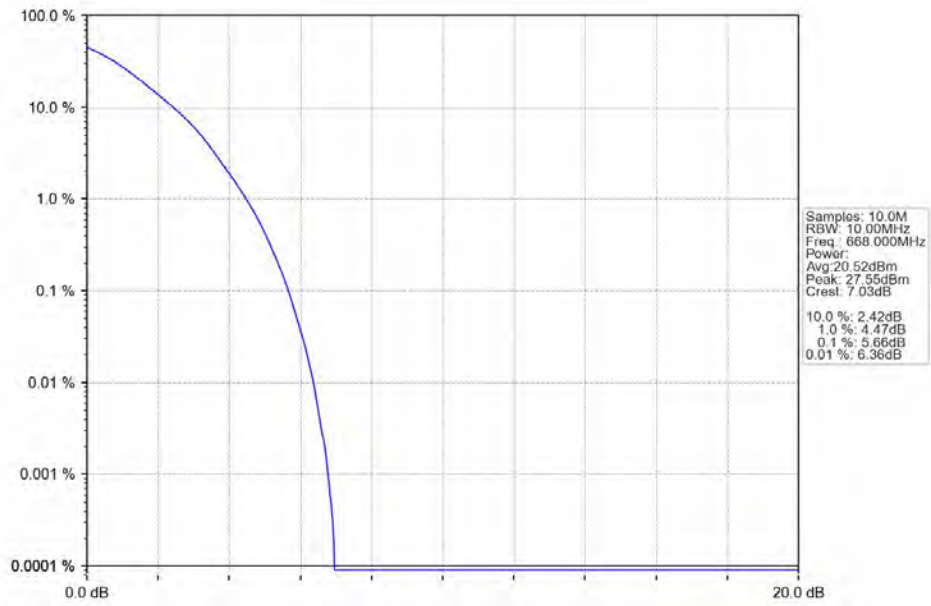
5.2 B71_10MHz

5.2.1 Test Result

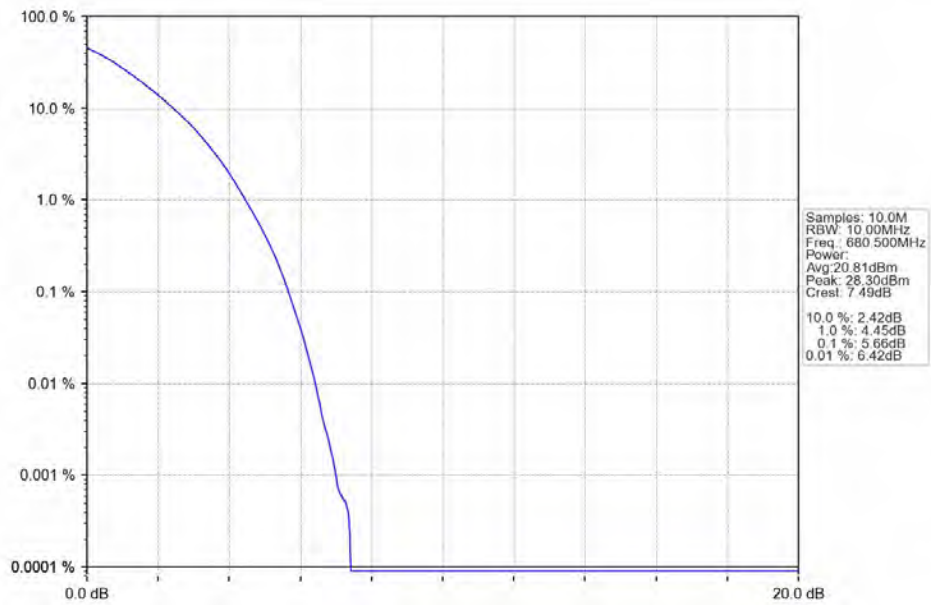
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.66	<=13	Pass
	680.5	50	0	5.66	<=13	Pass
	693	50	0	5.32	<=13	Pass
16QAM	668	50	0	6.31	<=13	Pass
	680.5	50	0	-68.78	<=13	Pass
	693	50	0	6.09	<=13	Pass

5.2.2 Test Graph

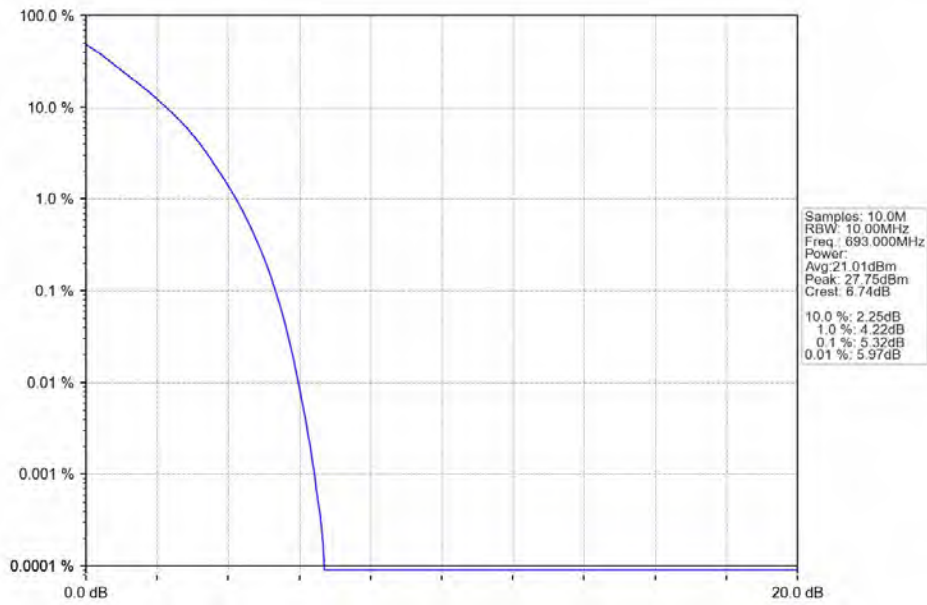
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTV



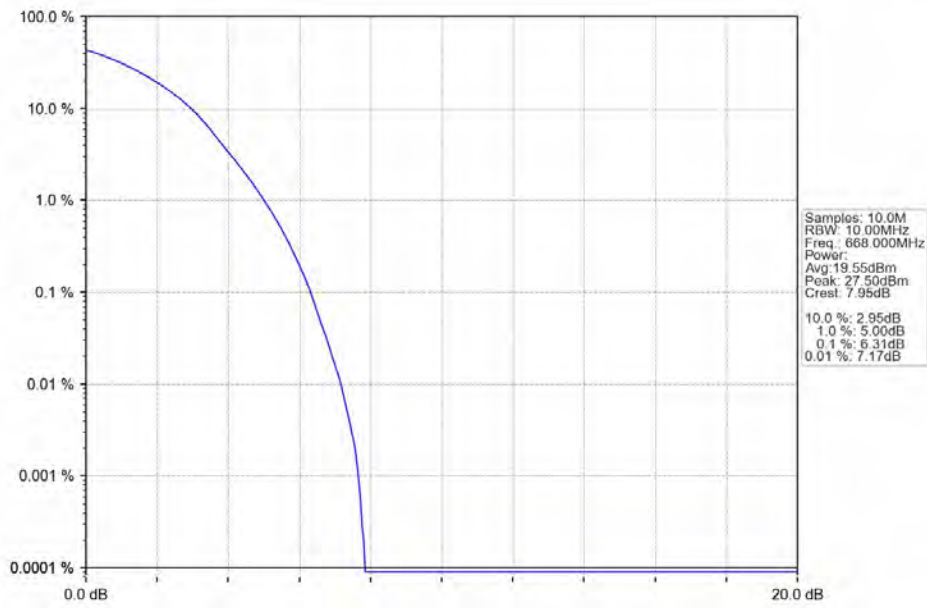
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV



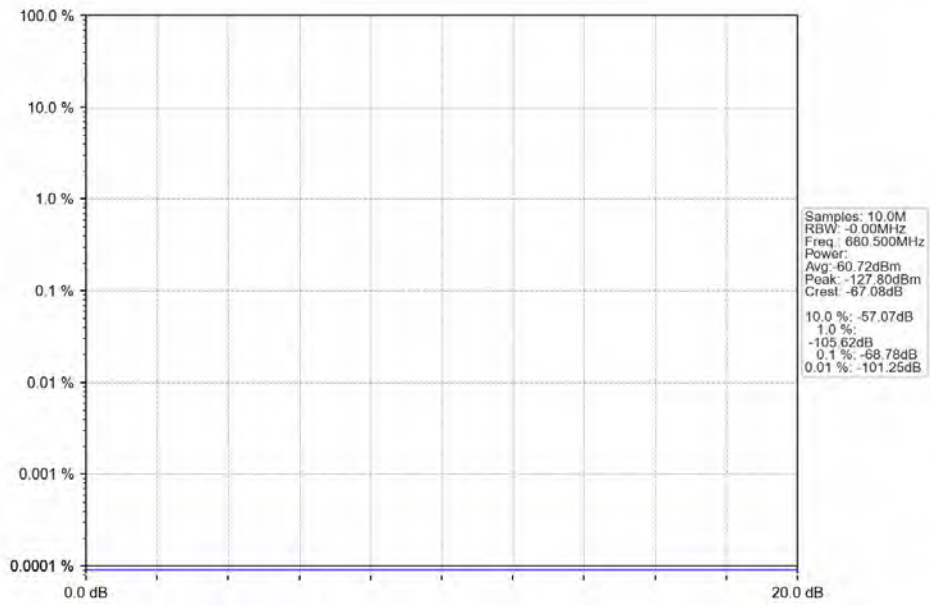
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



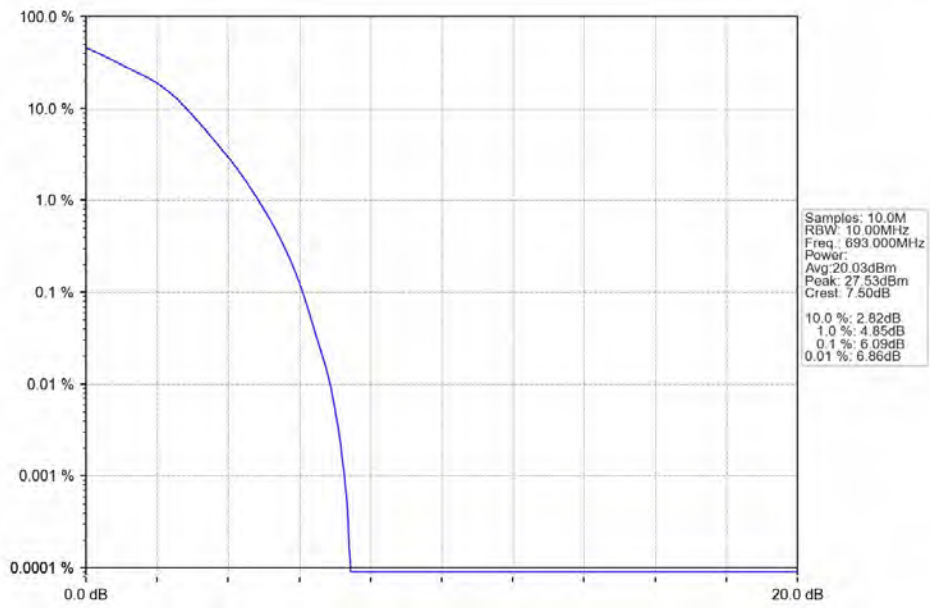
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

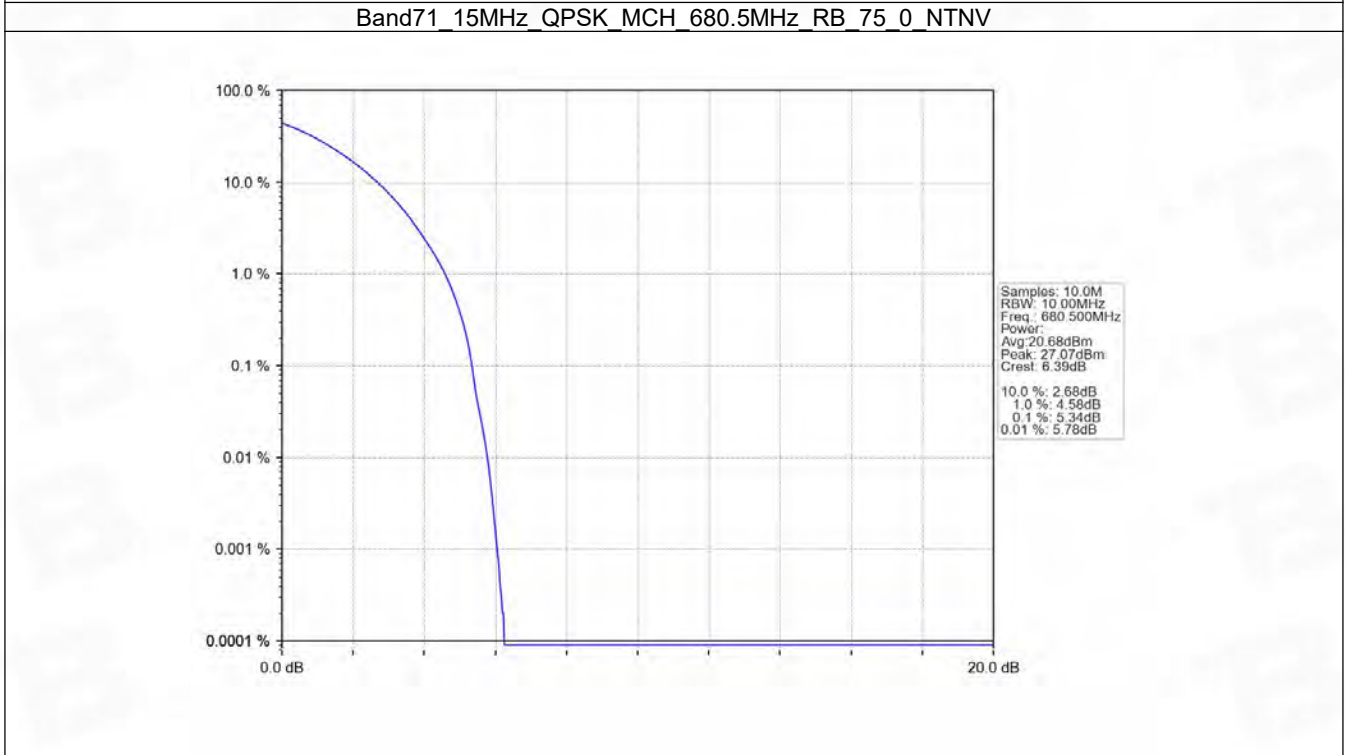
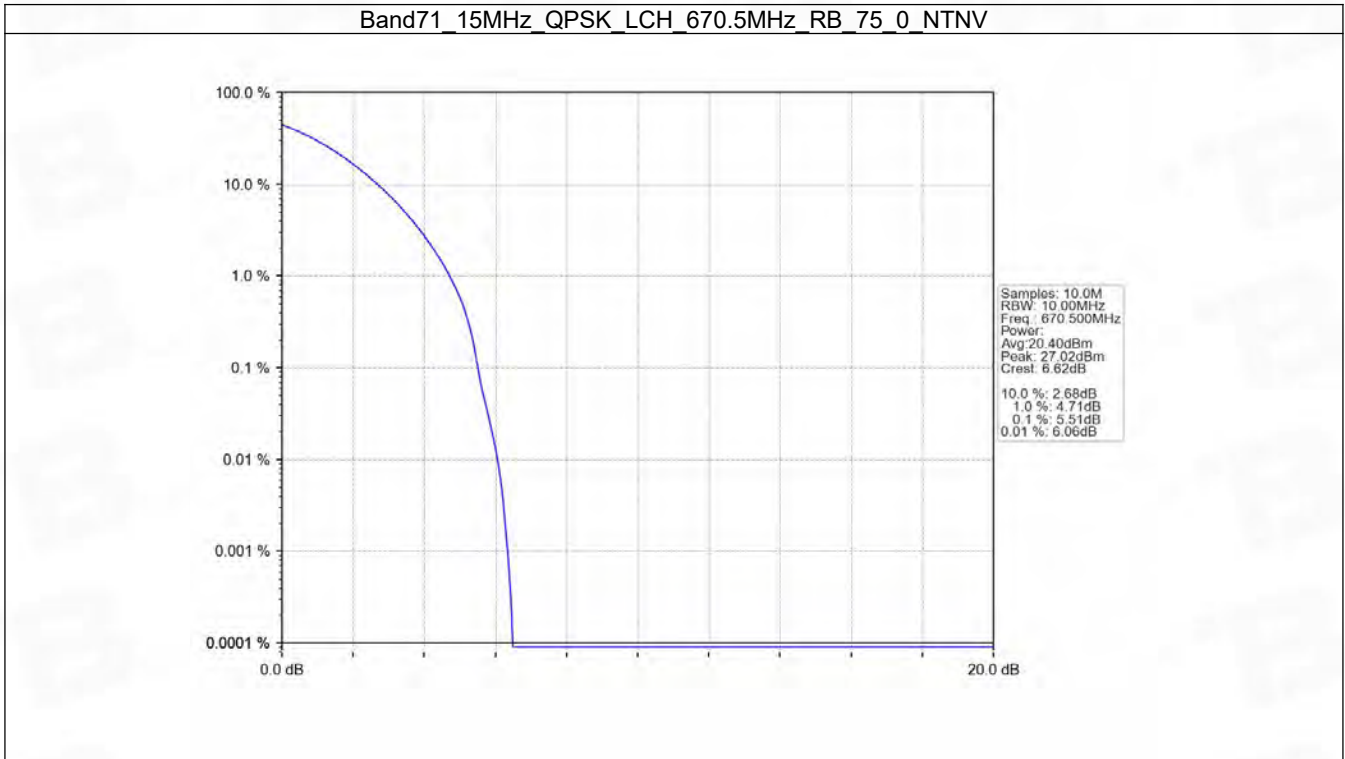


5.3 B71_15MHz

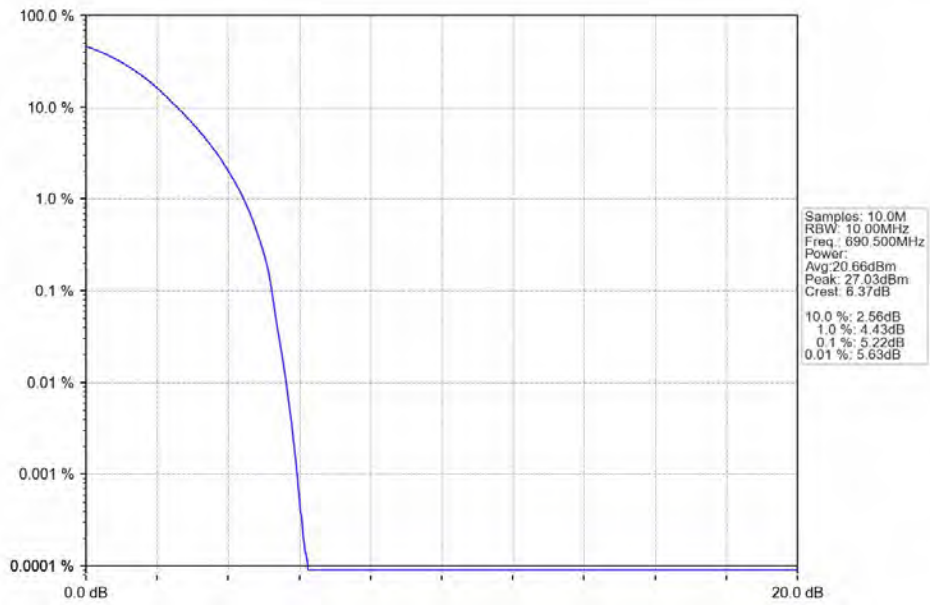
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.51	<=13	Pass
	680.5	75	0	5.34	<=13	Pass
	690.5	75	0	5.22	<=13	Pass
16QAM	670.5	75	0	6.22	<=13	Pass
	680.5	75	0	6.19	<=13	Pass
	690.5	75	0	6.06	<=13	Pass

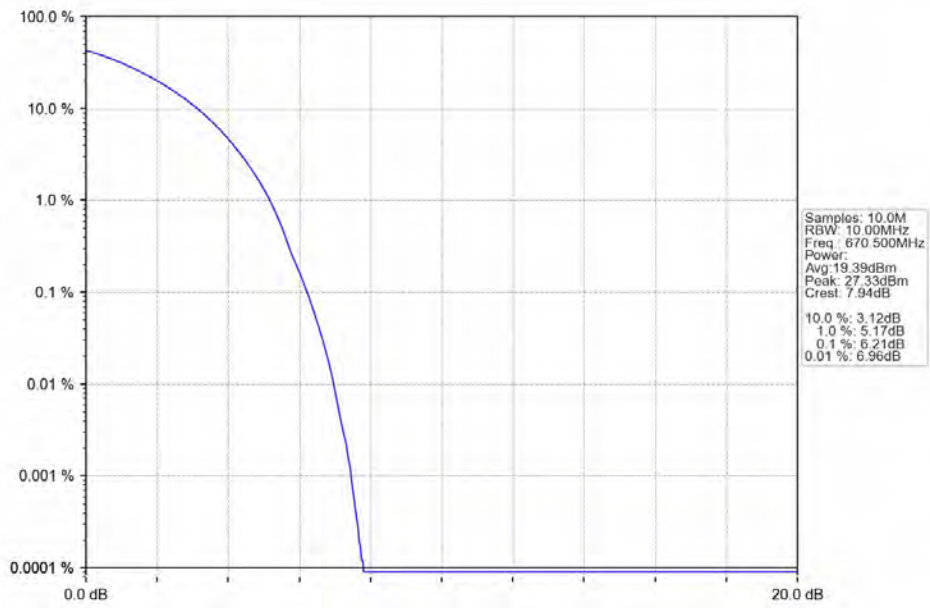
5.3.2 Test Graph



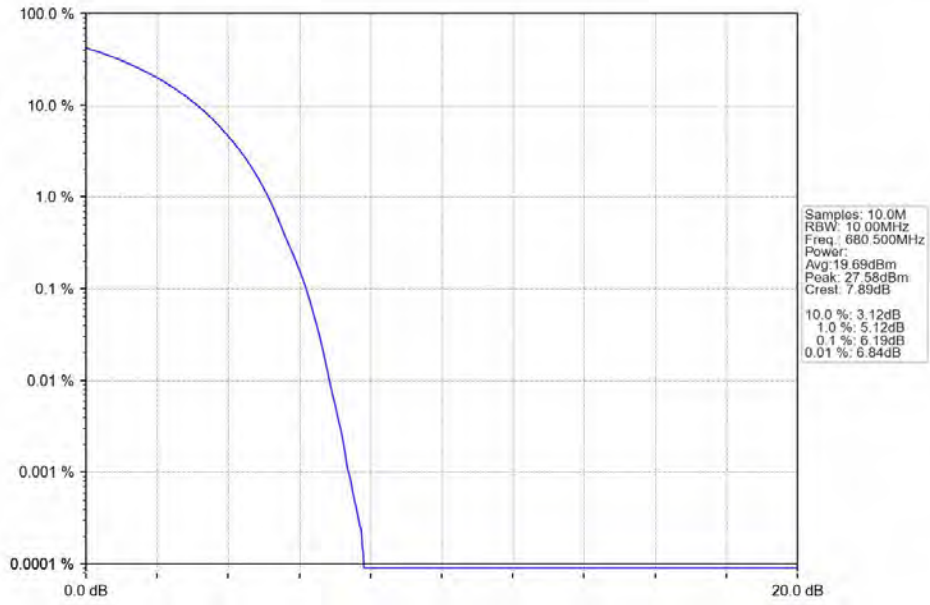
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



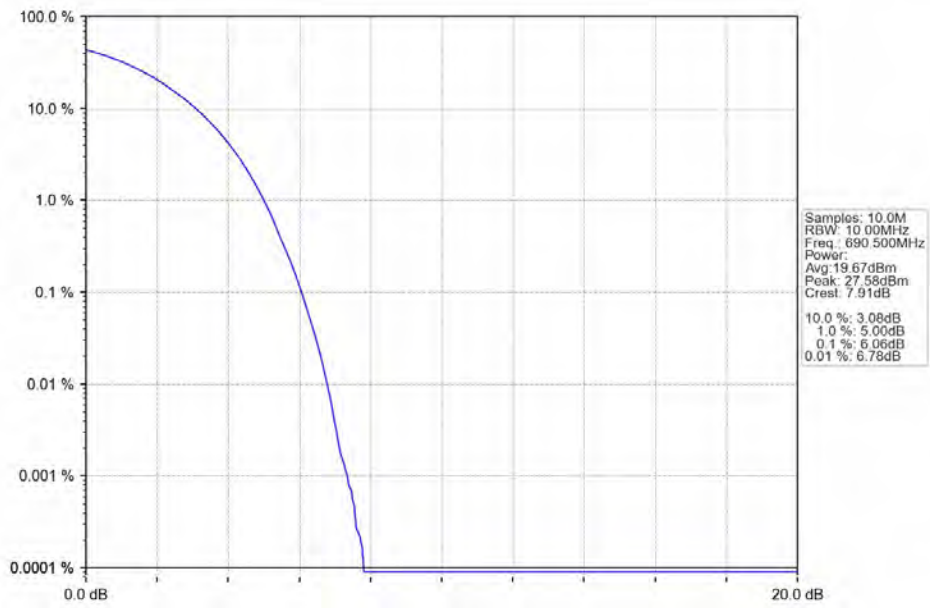
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

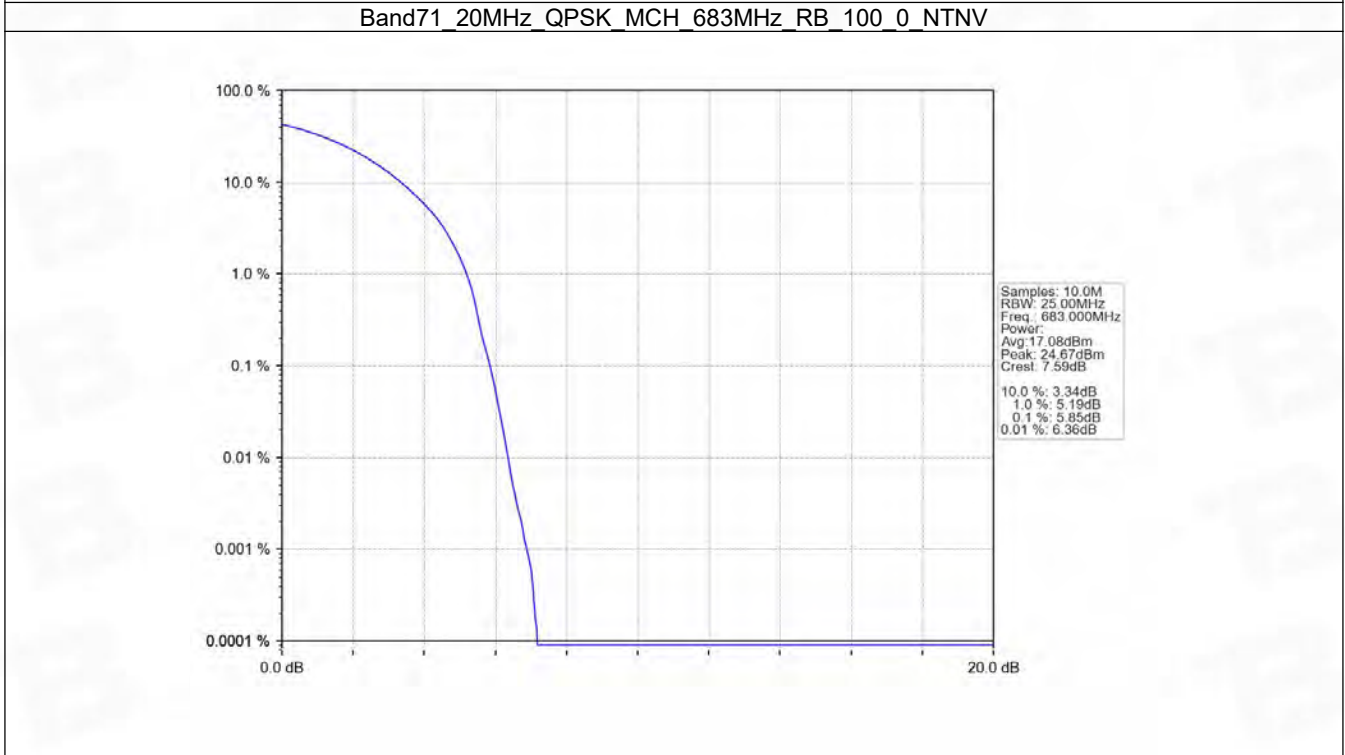
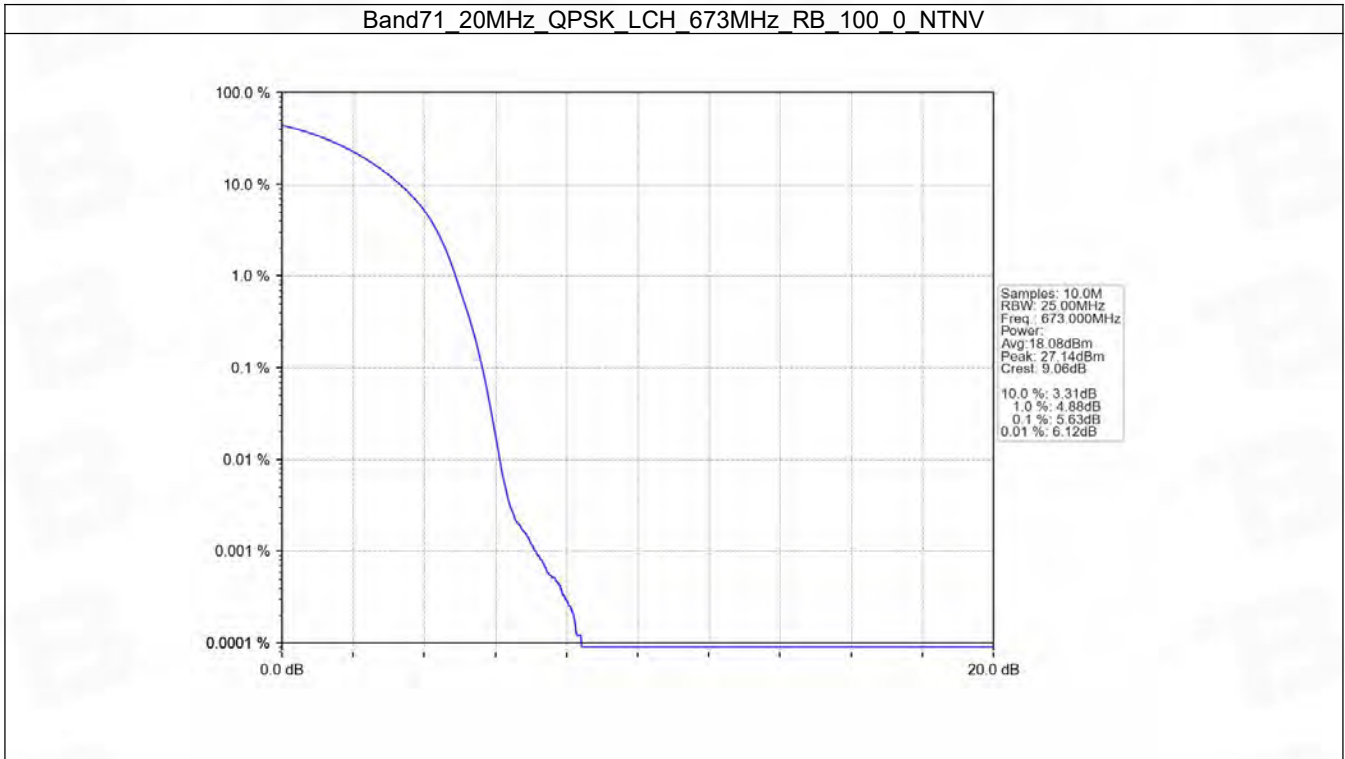


5.4 B71_20MHz

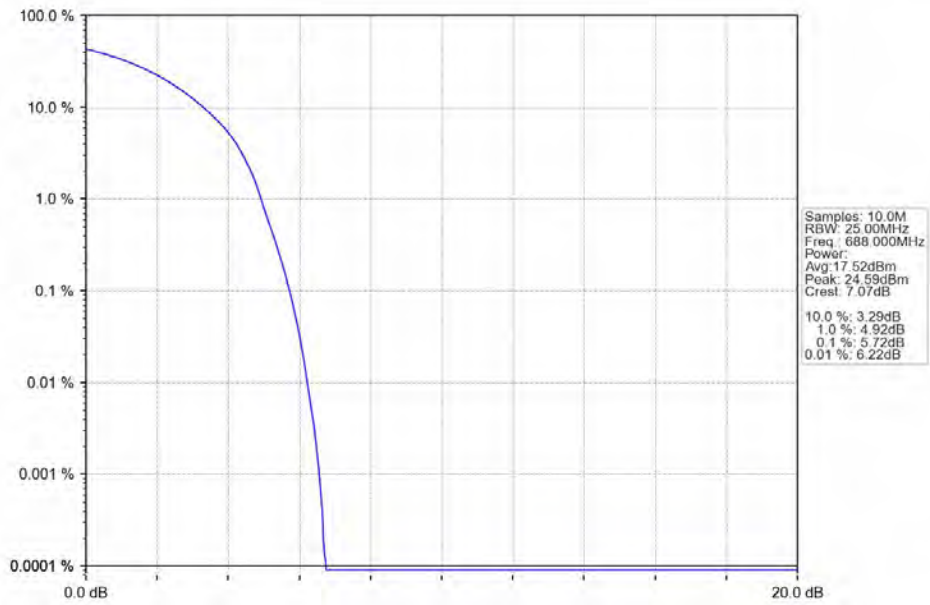
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.63	<=13	Pass
	683	100	0	5.85	<=13	Pass
	688	100	0	5.72	<=13	Pass
16QAM	673	100	0	6.65	<=13	Pass
	683	100	0	6.79	<=13	Pass
	688	100	0	6.69	<=13	Pass

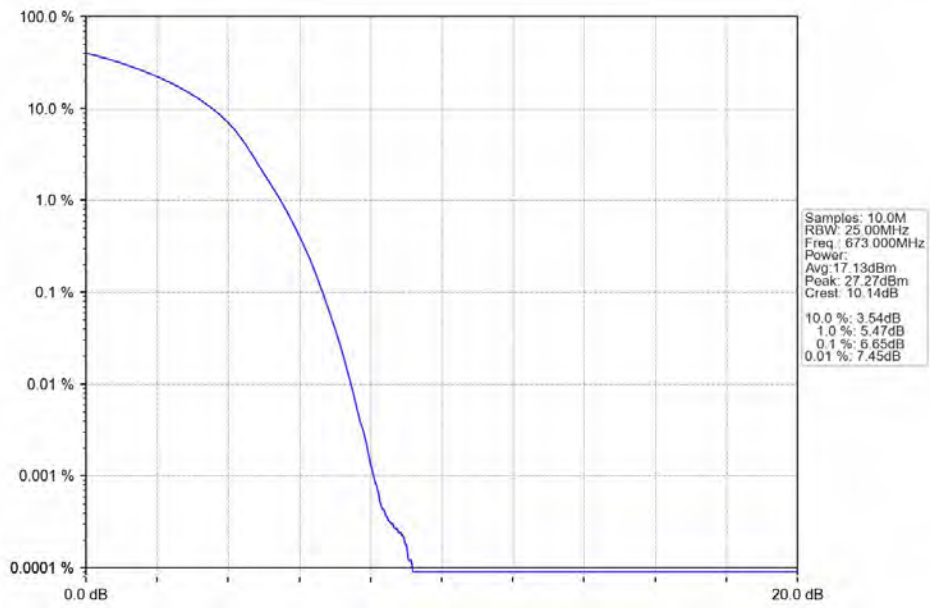
5.4.2 Test Graph



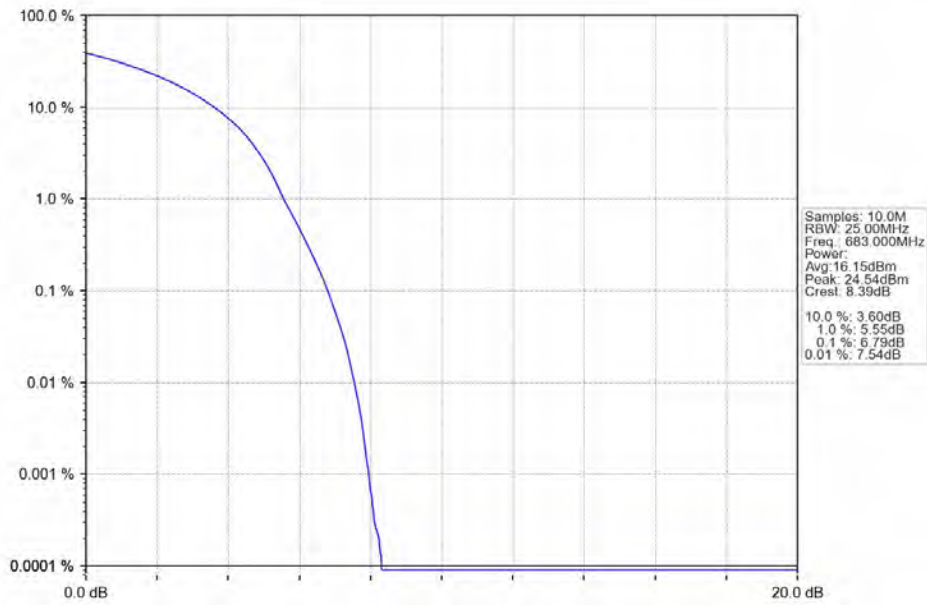
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



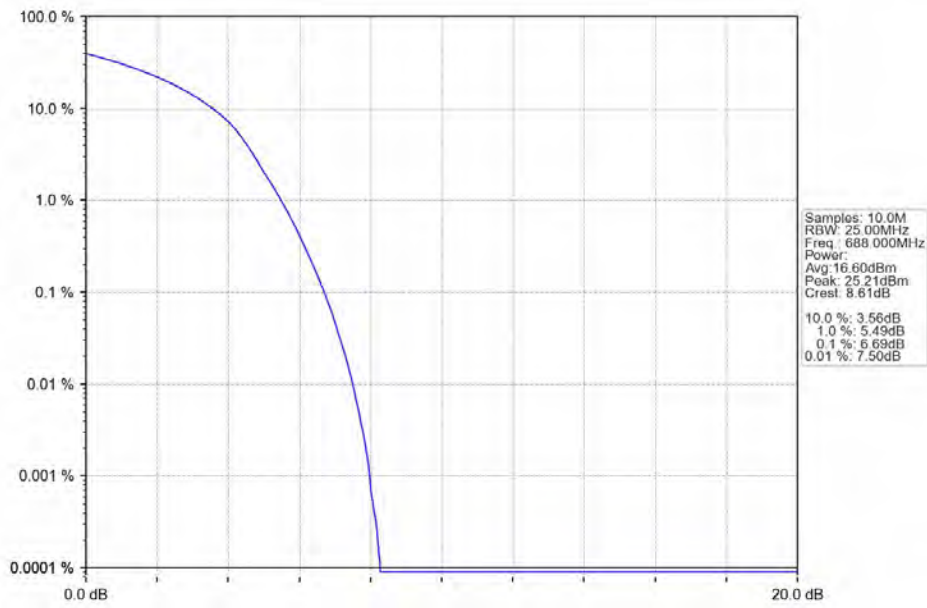
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71 20MHz 16QAM MCH 683MHz RB 100_0 NTV



Band71 20MHz 16QAM HCH 688MHz RB 100_0 NTV



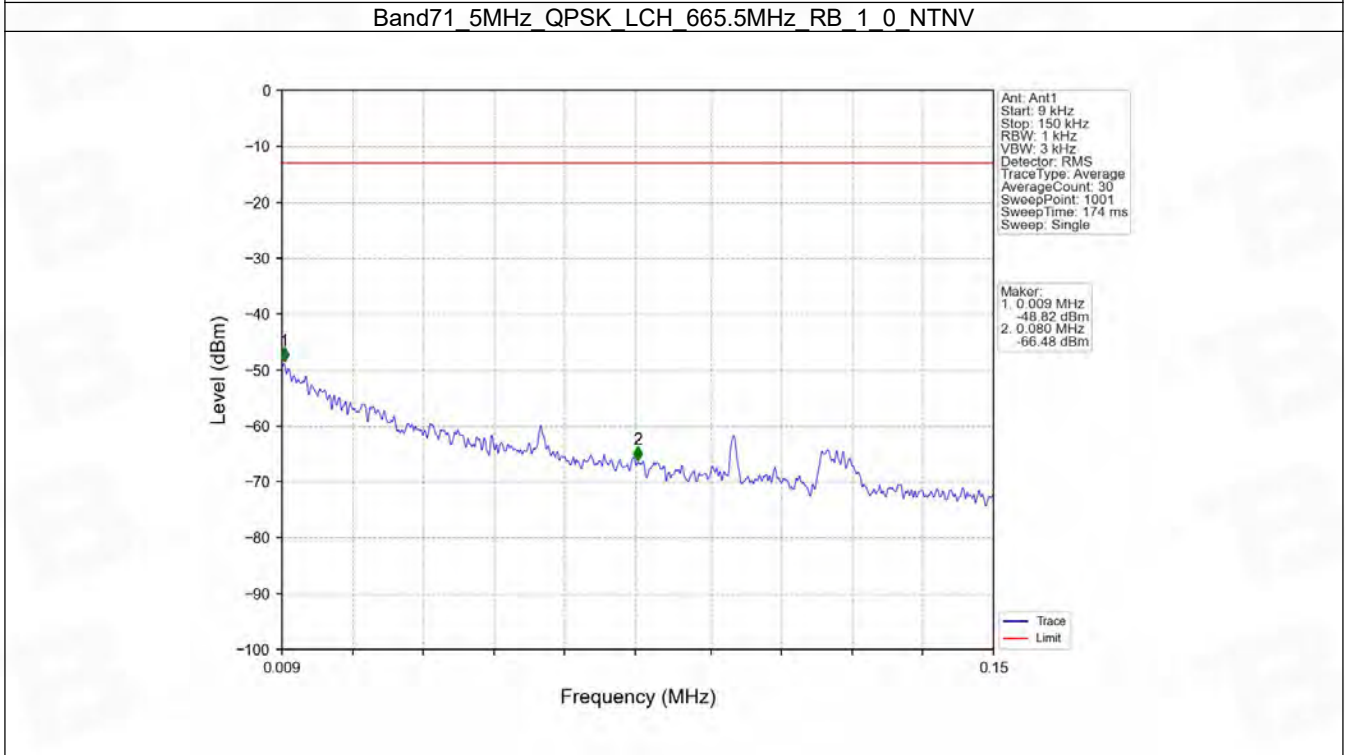
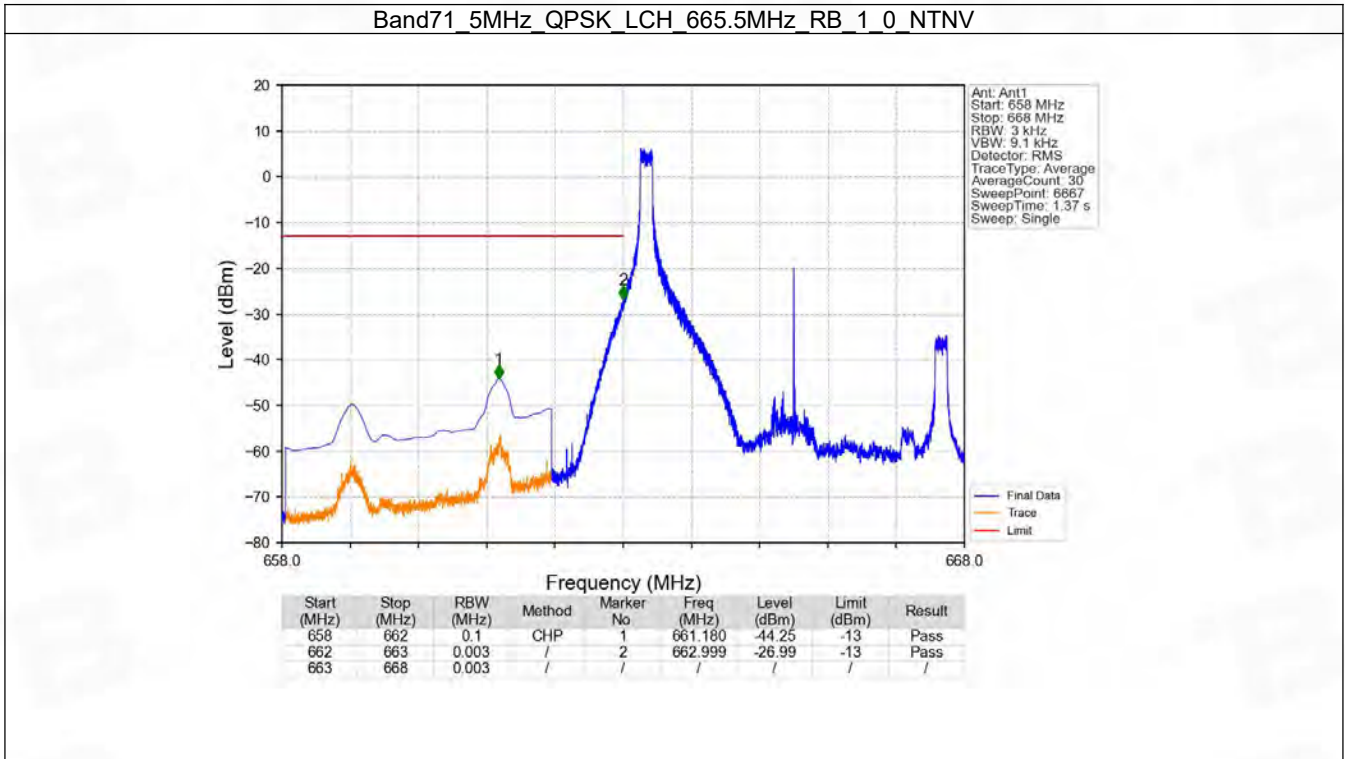
6. Spurious Emission

6.1 B71_5MHz

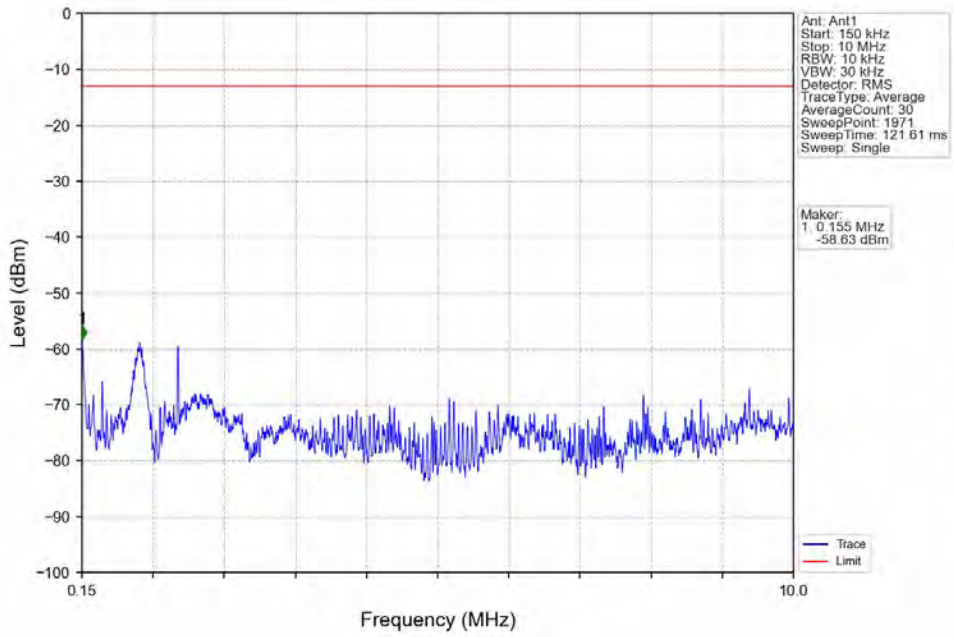
6.1.1 Test Result

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	

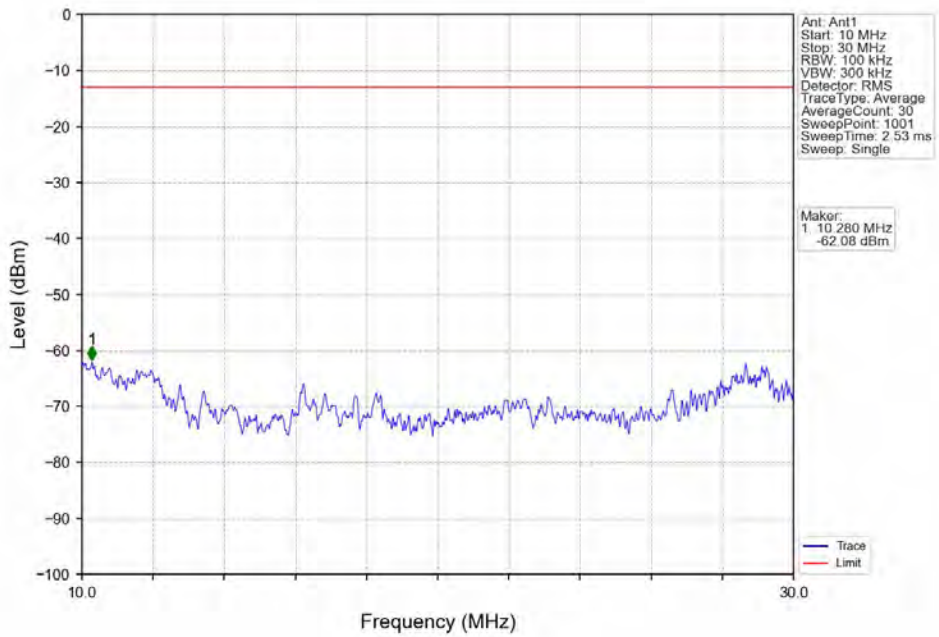
6.1.2 Test Graph



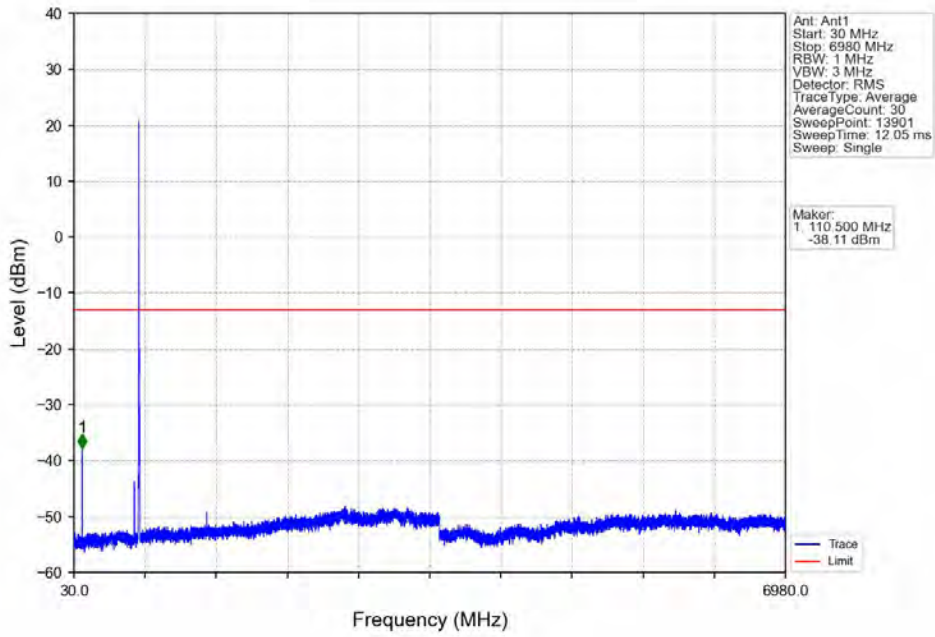
Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV



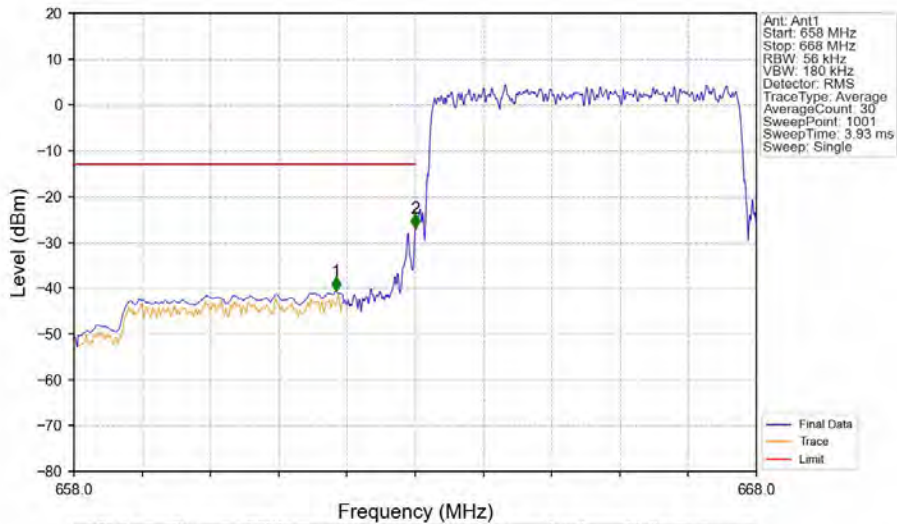
Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

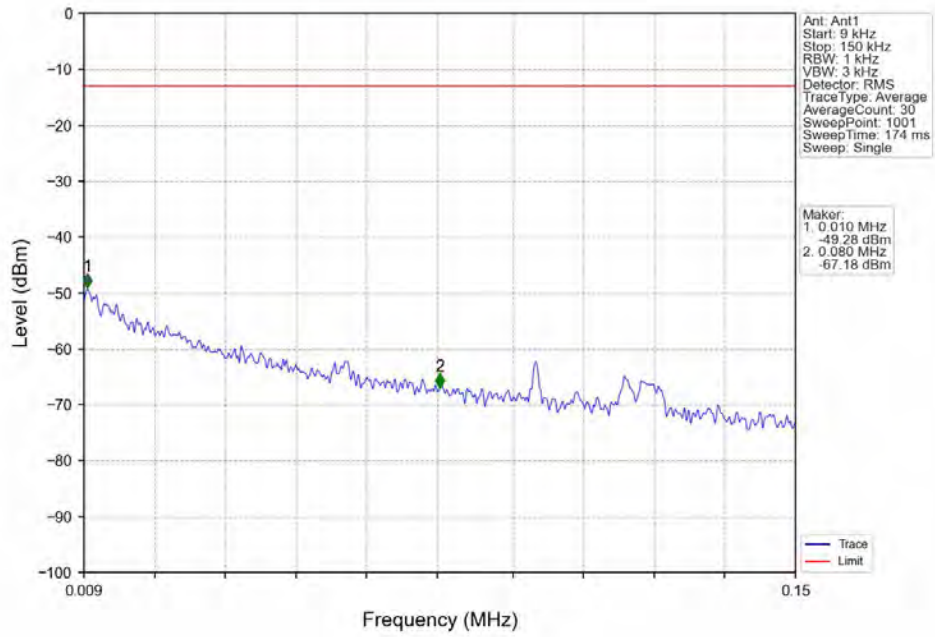


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

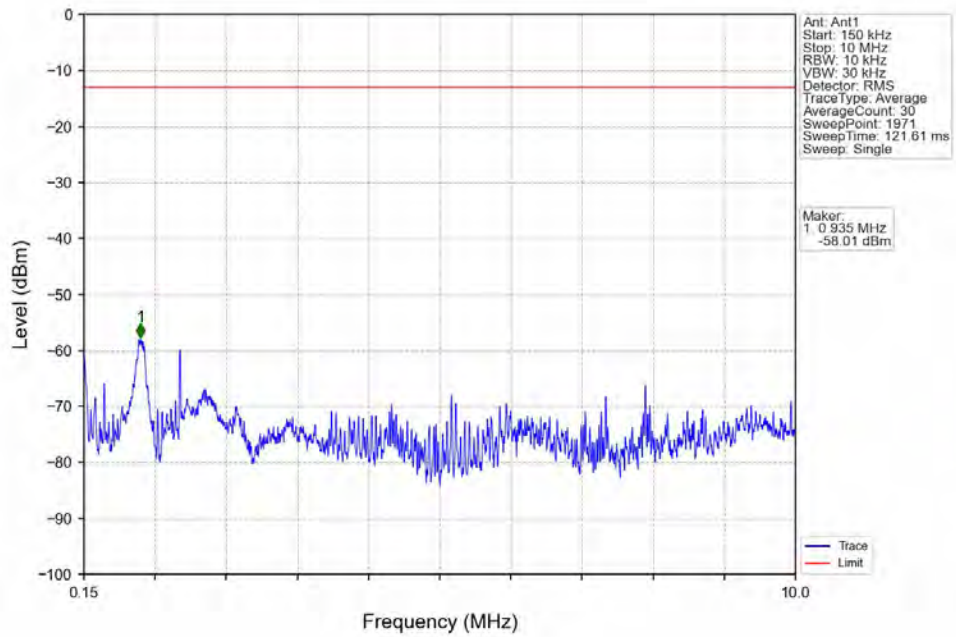


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.840	-40.72	-13	Pass
662	663	0.056	/	2	663.000	-26.96	-13	Pass
663	668	0.056	/	/	/	/	/	/

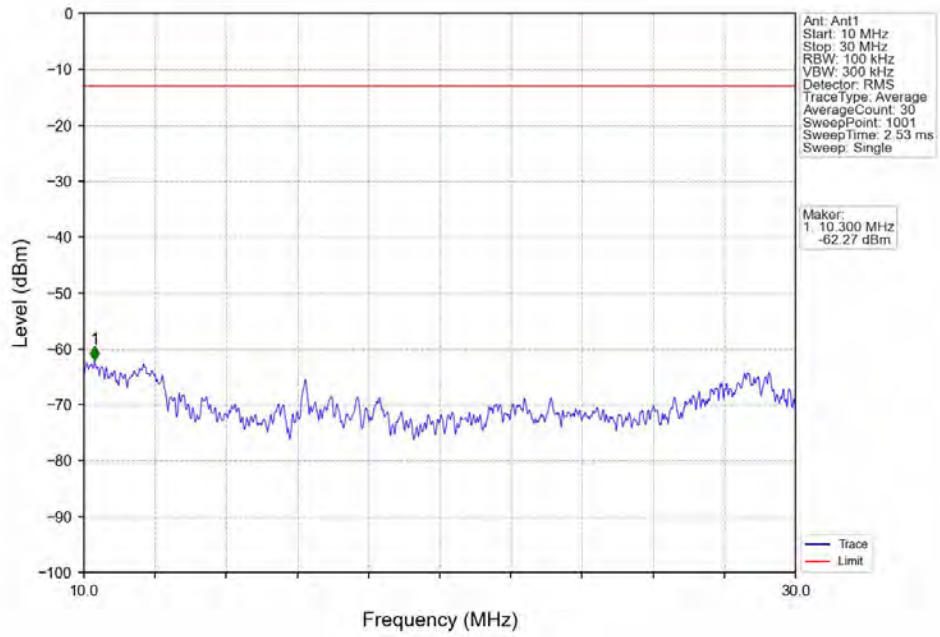
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



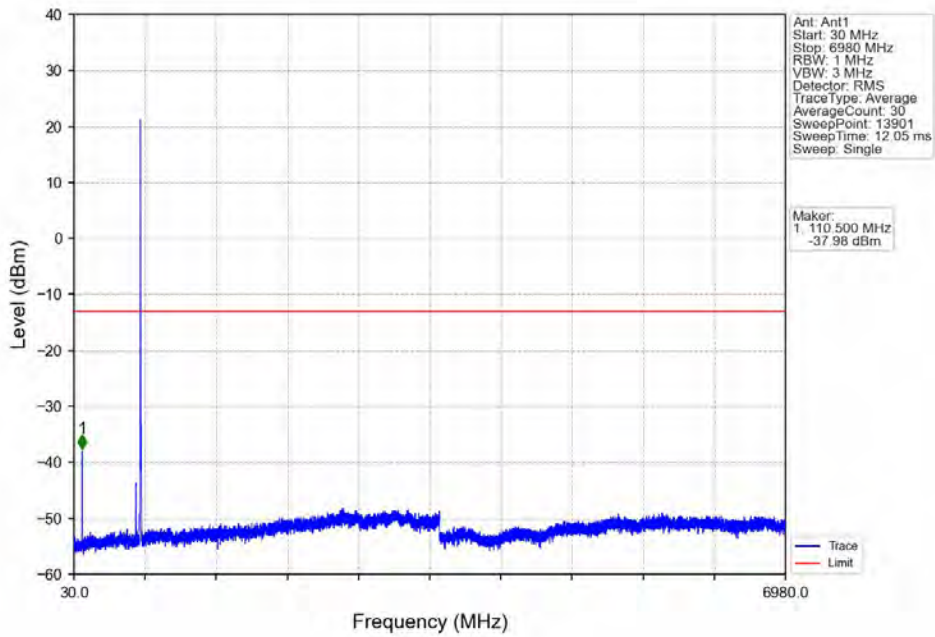
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



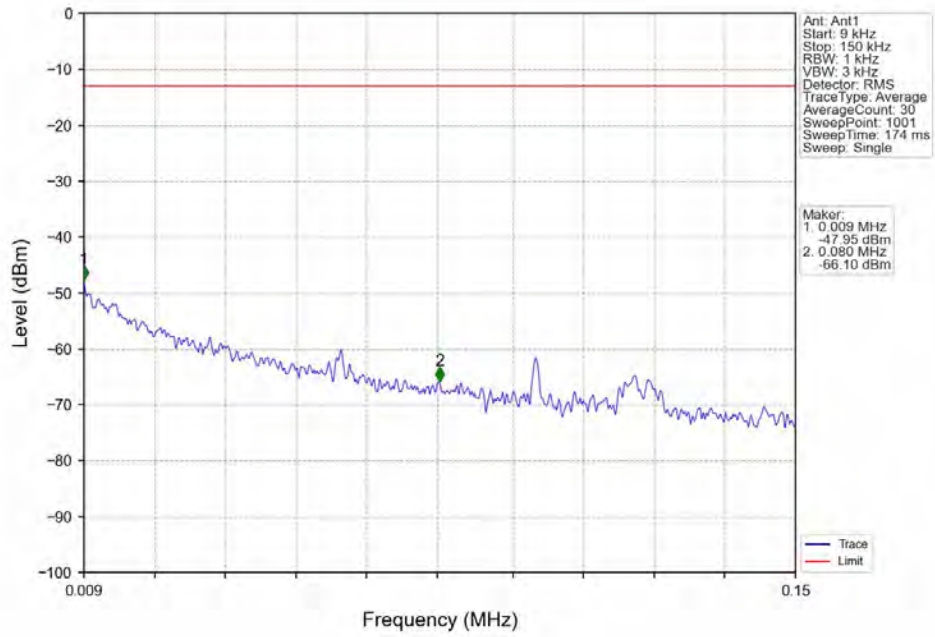
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



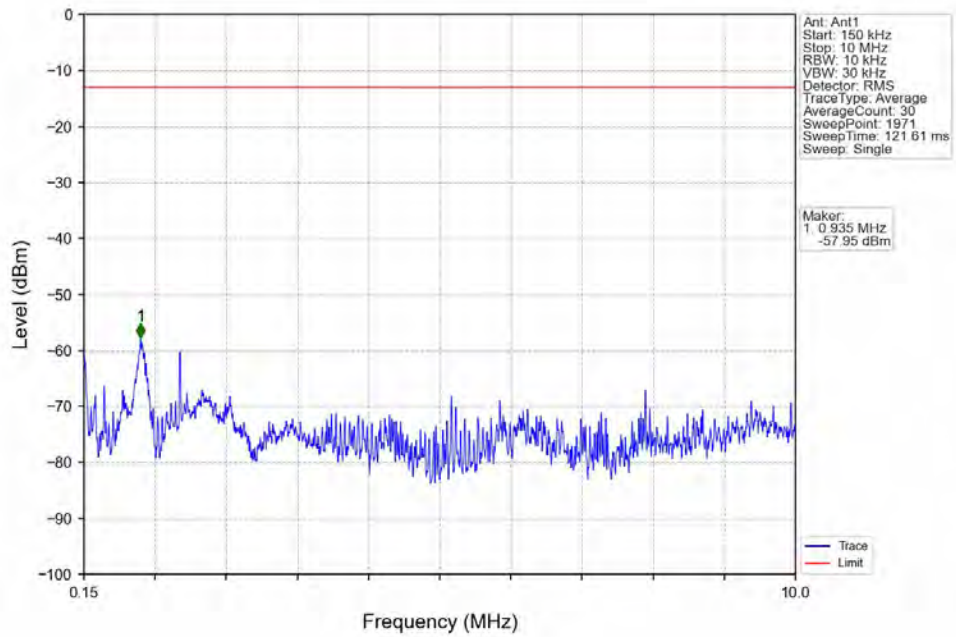
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



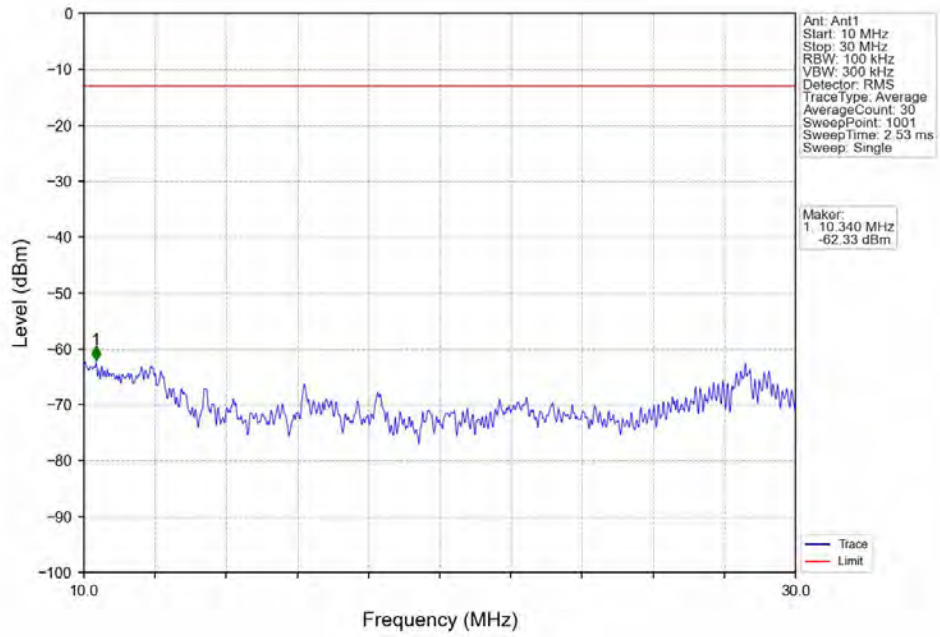
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN



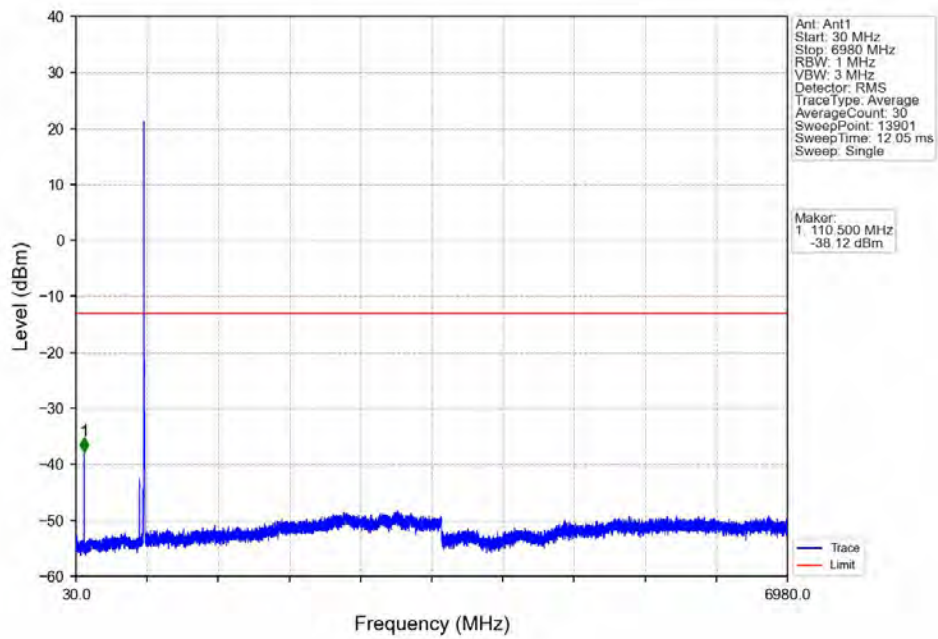
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN



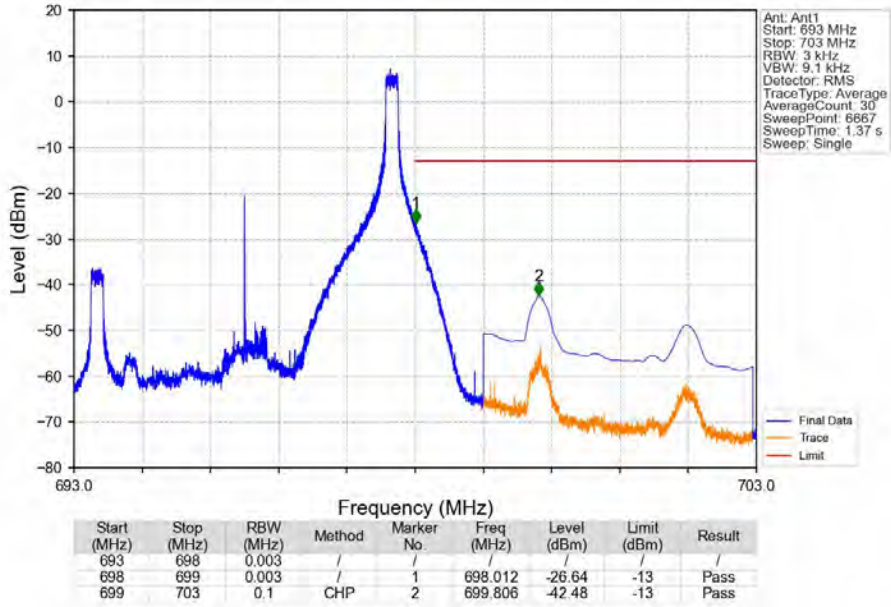
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTV



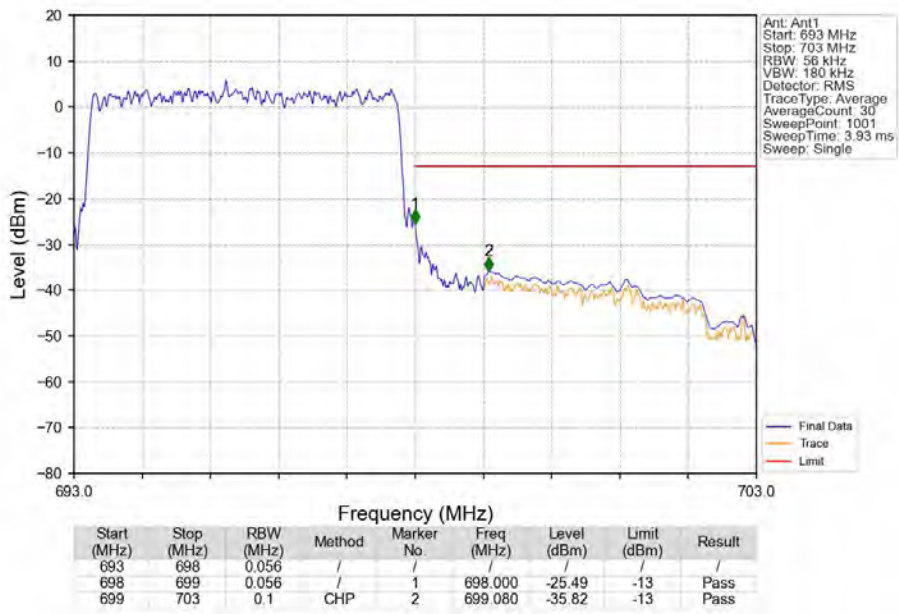
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTV



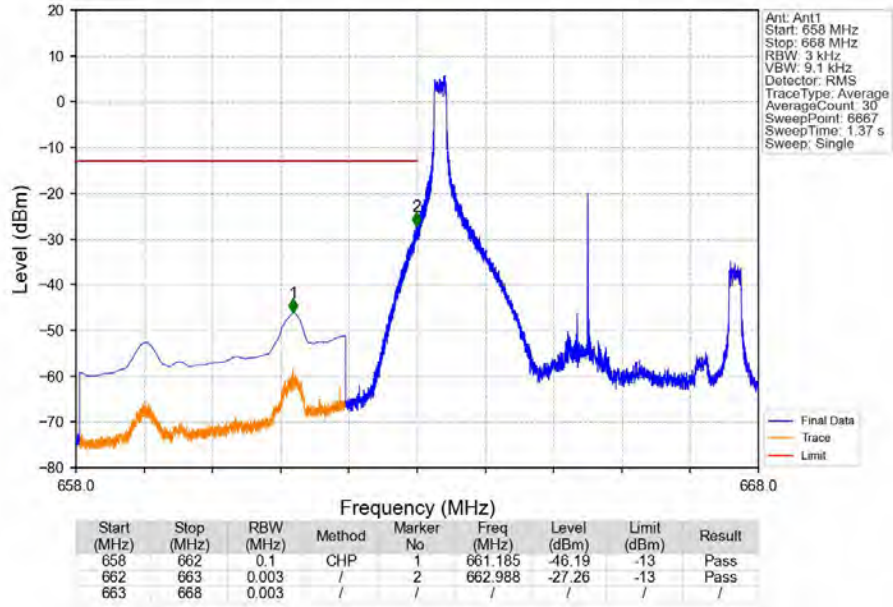
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



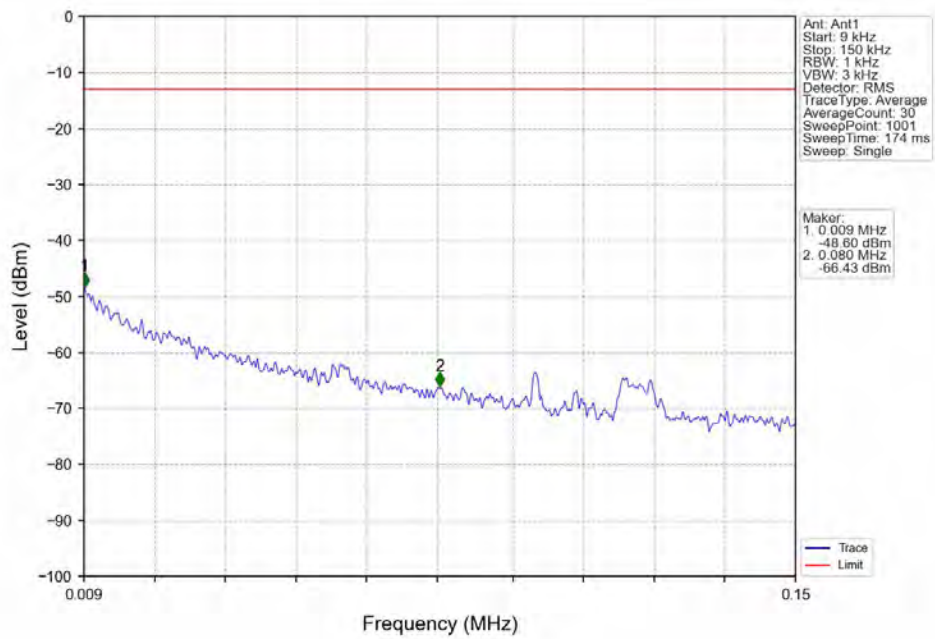
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



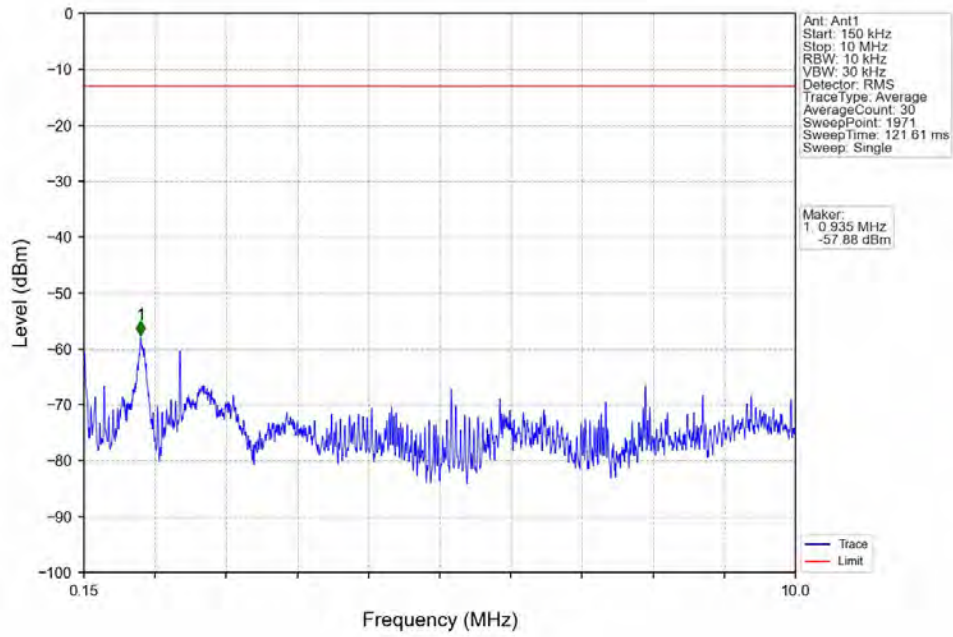
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



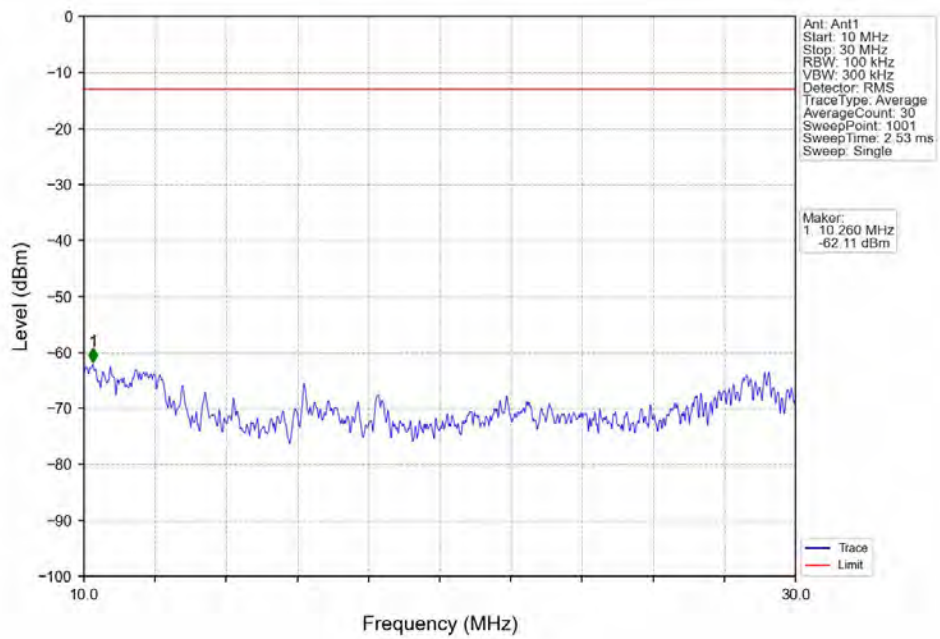
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



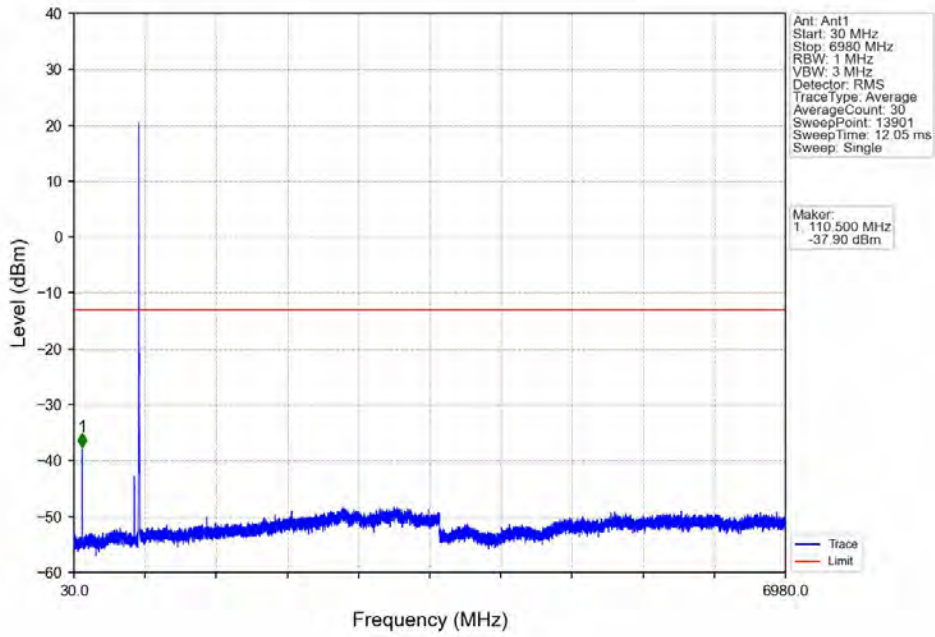
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



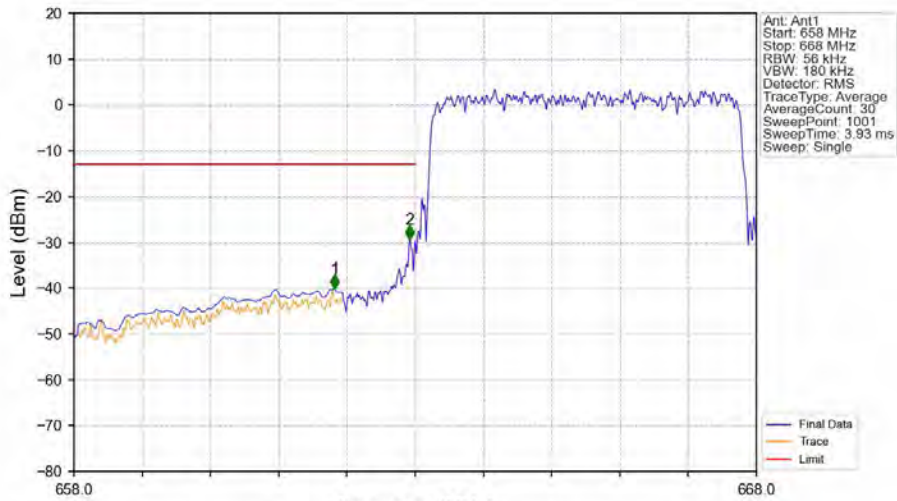
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

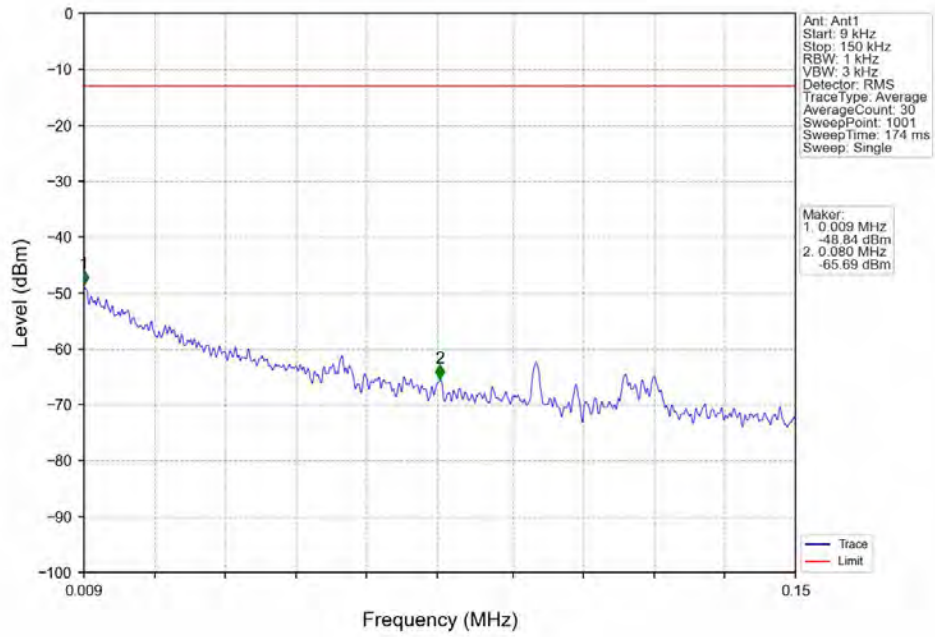


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

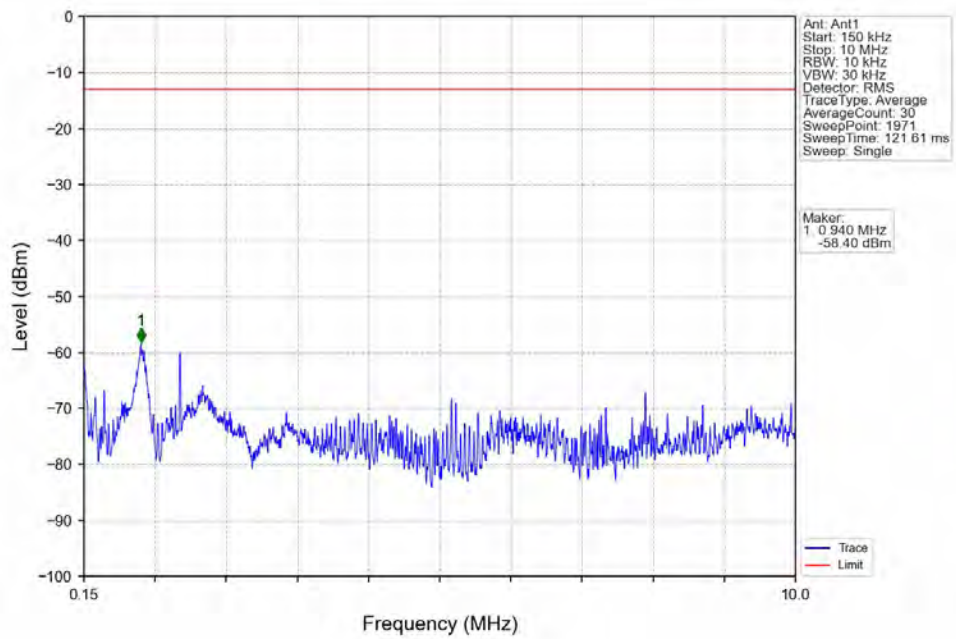


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.820	-40.16	-13	Pass
662	663	0.056	/	2	662.920	-29.39	-13	Pass
663	668	0.056	/	/	/	/	/	/

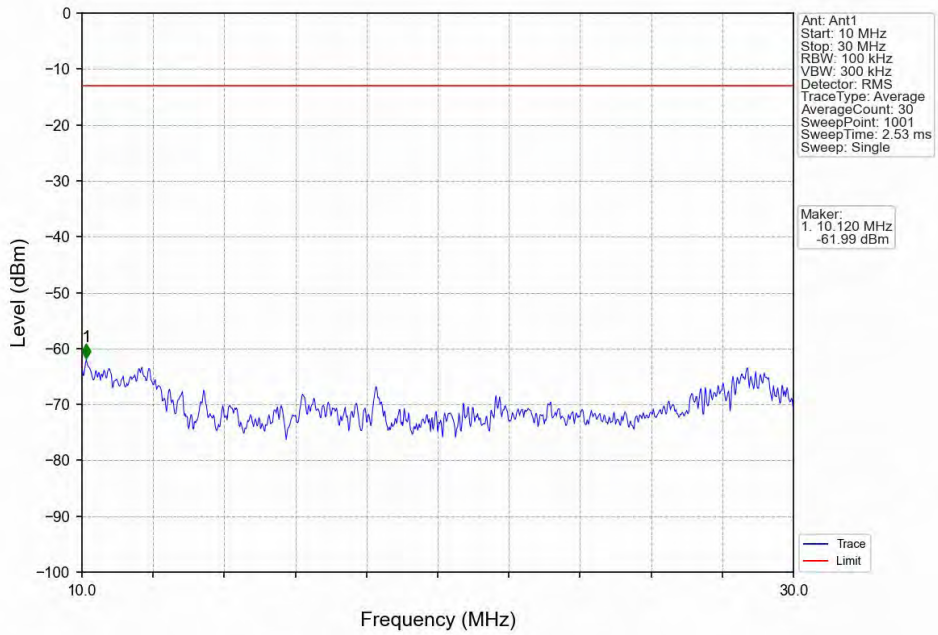
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



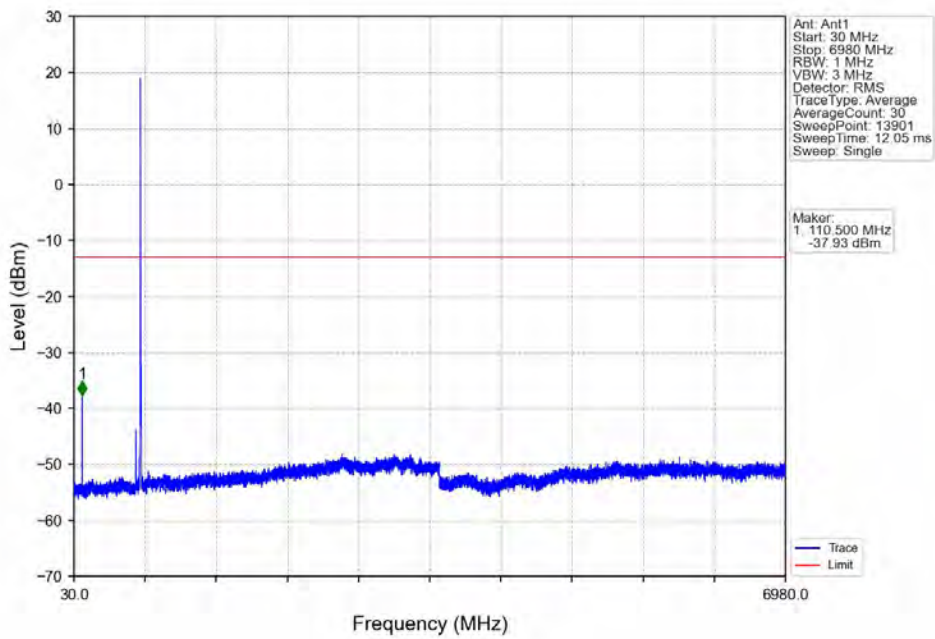
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



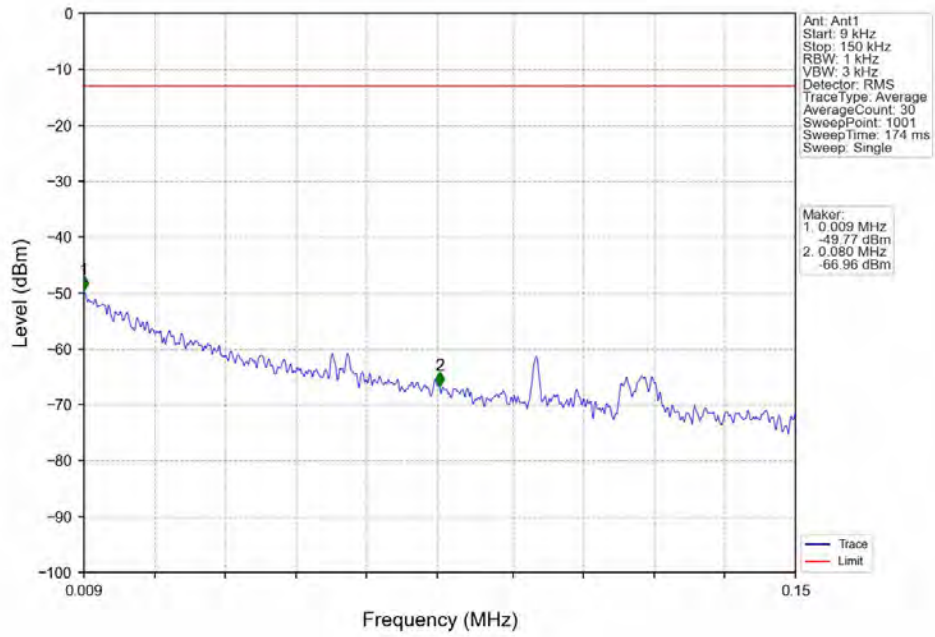
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



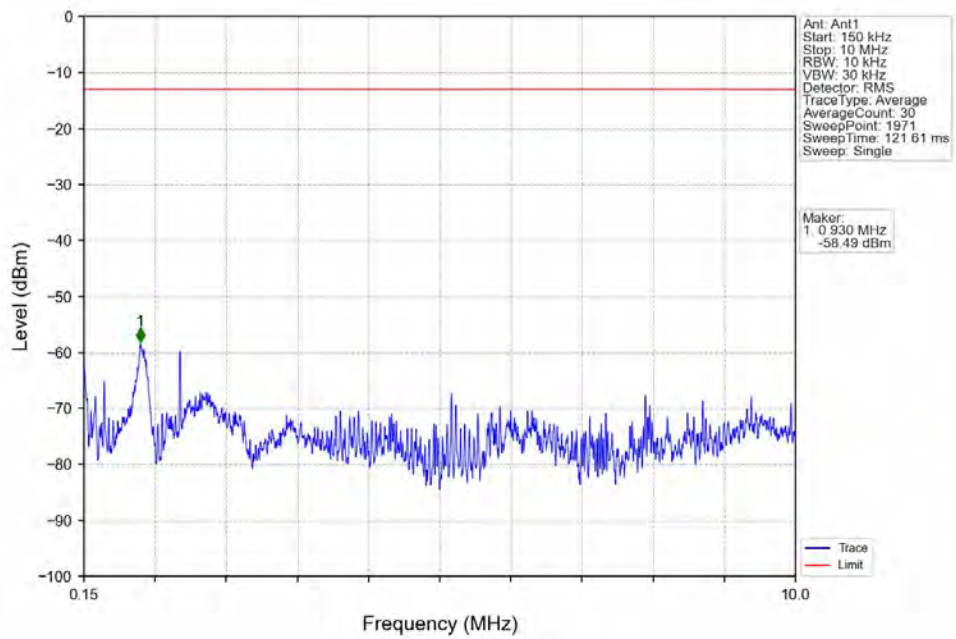
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



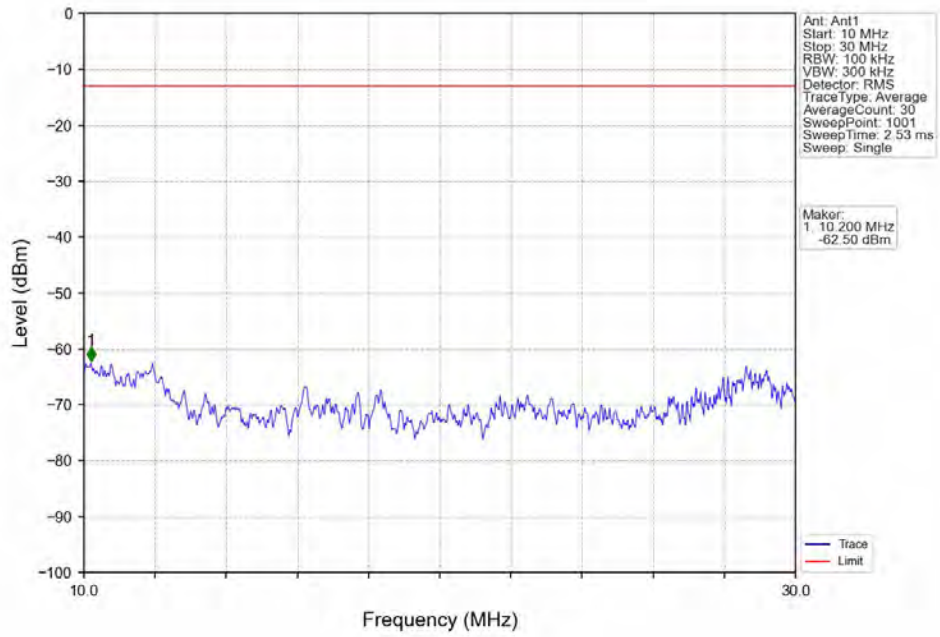
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



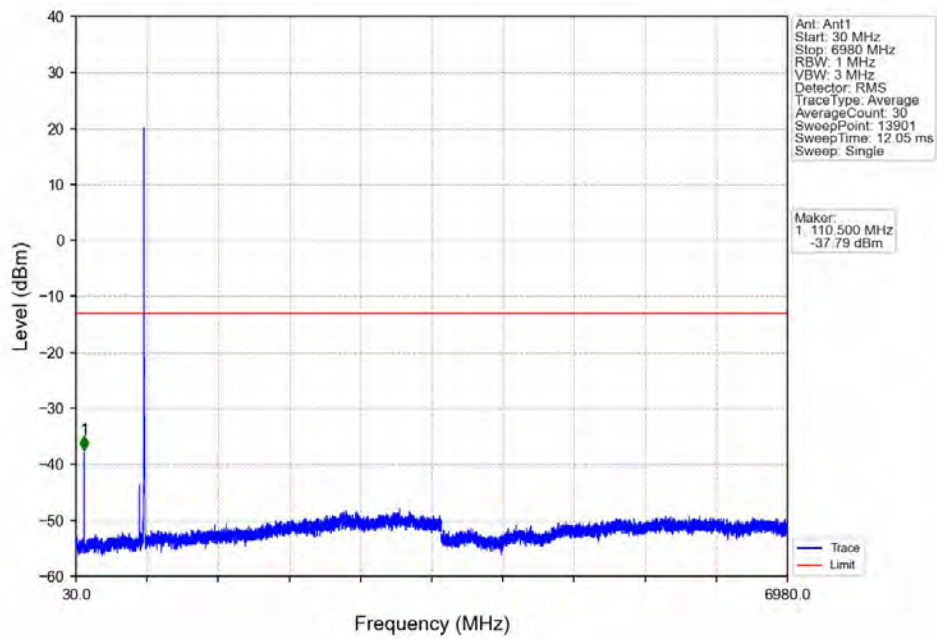
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



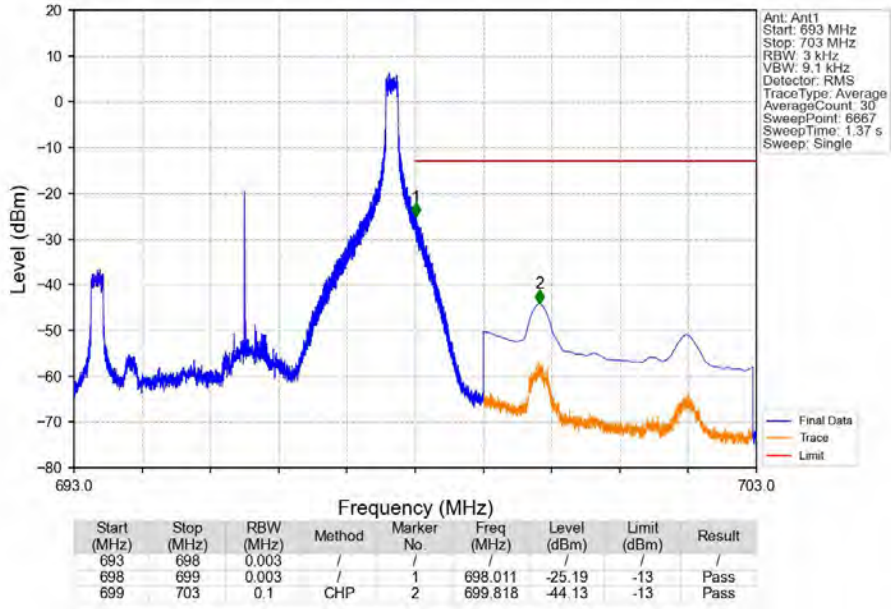
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



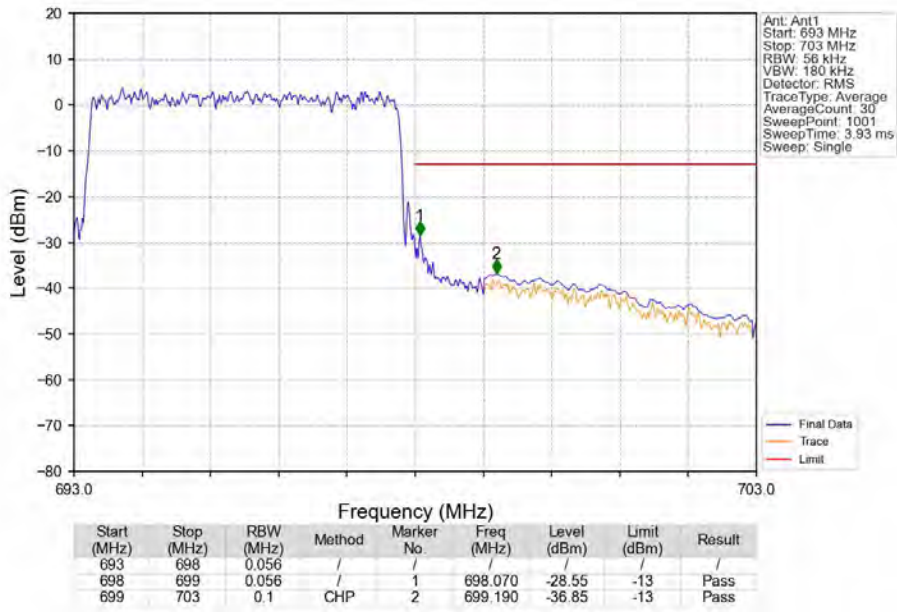
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

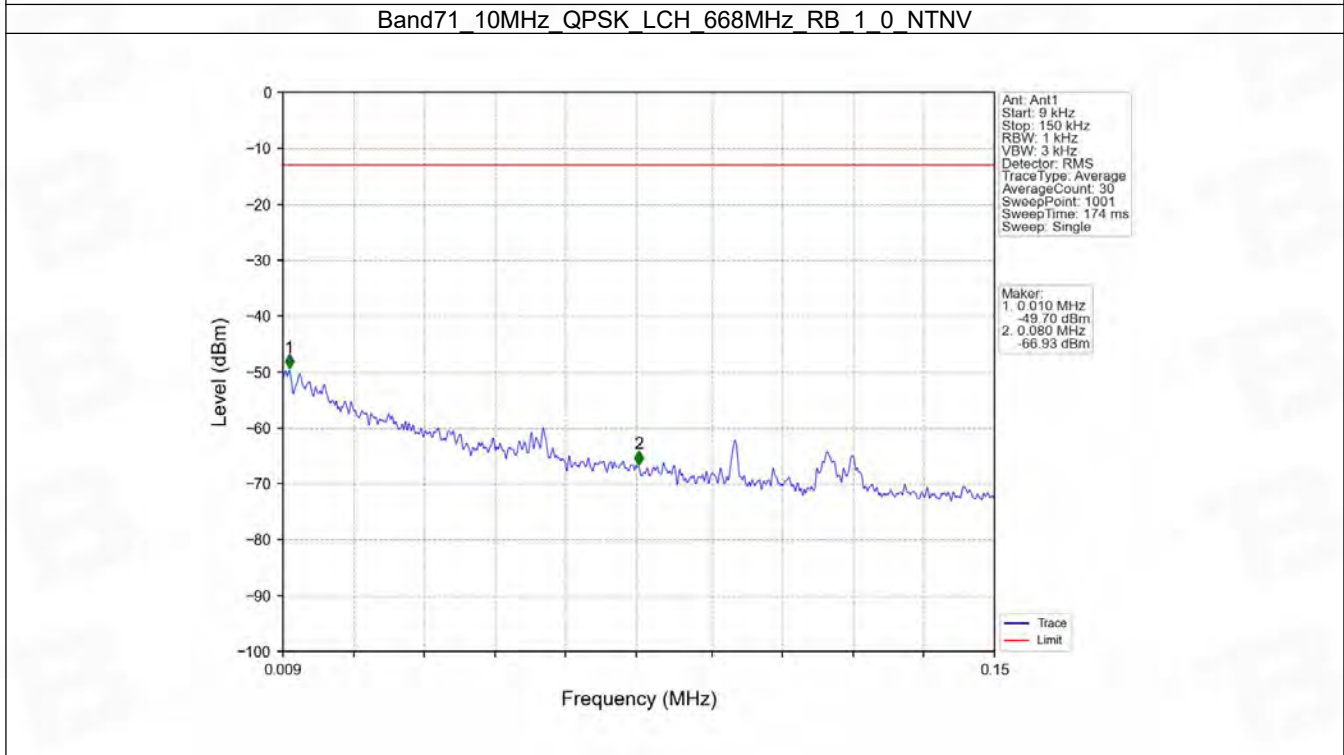
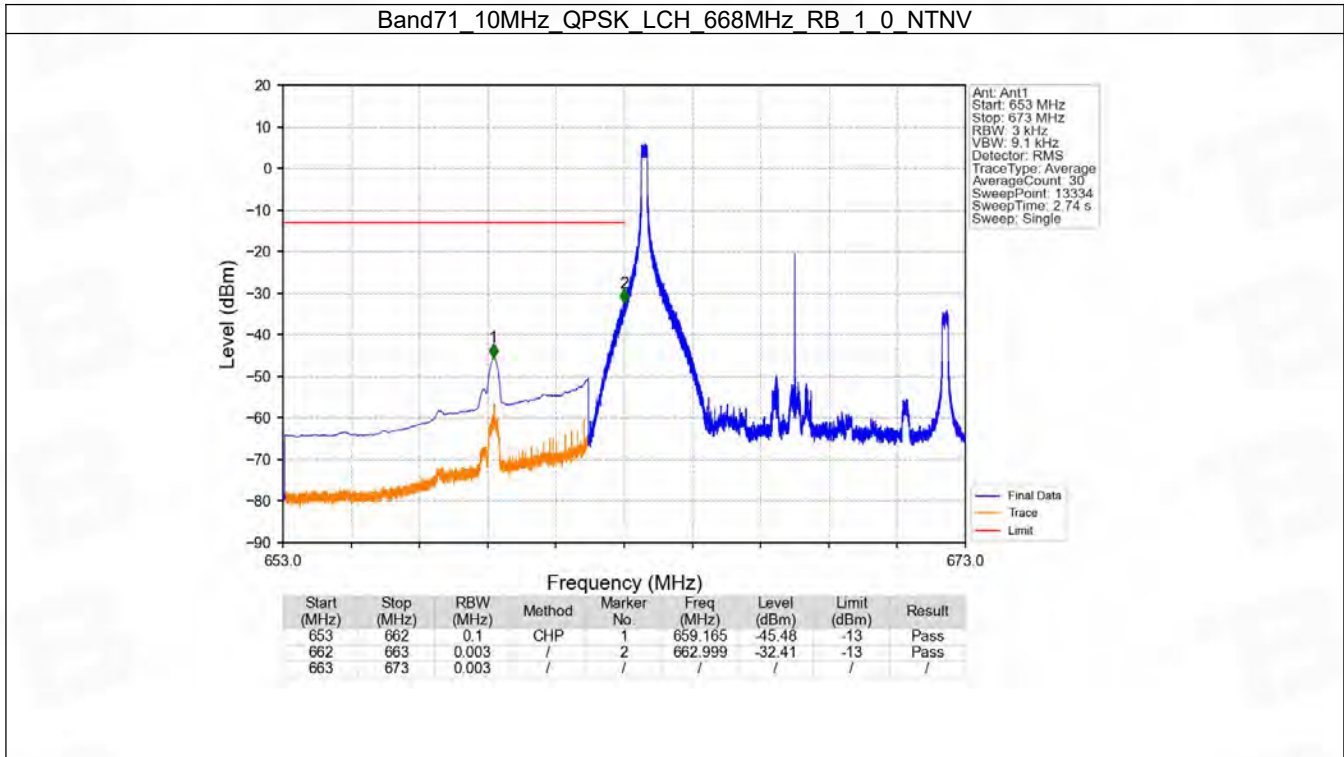


6.2 B71_10MHz

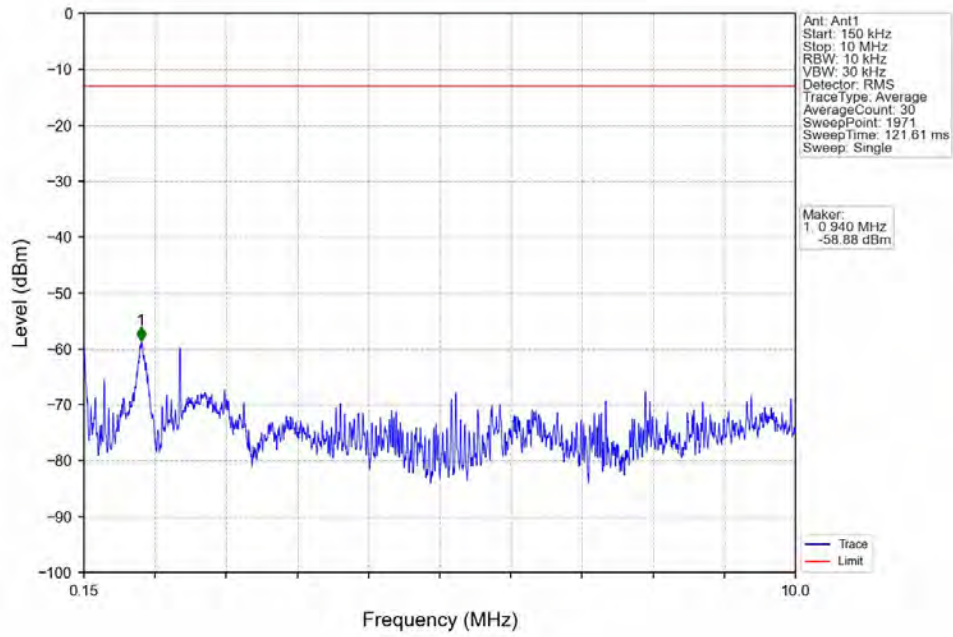
6.2.1 Test Result

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	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
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

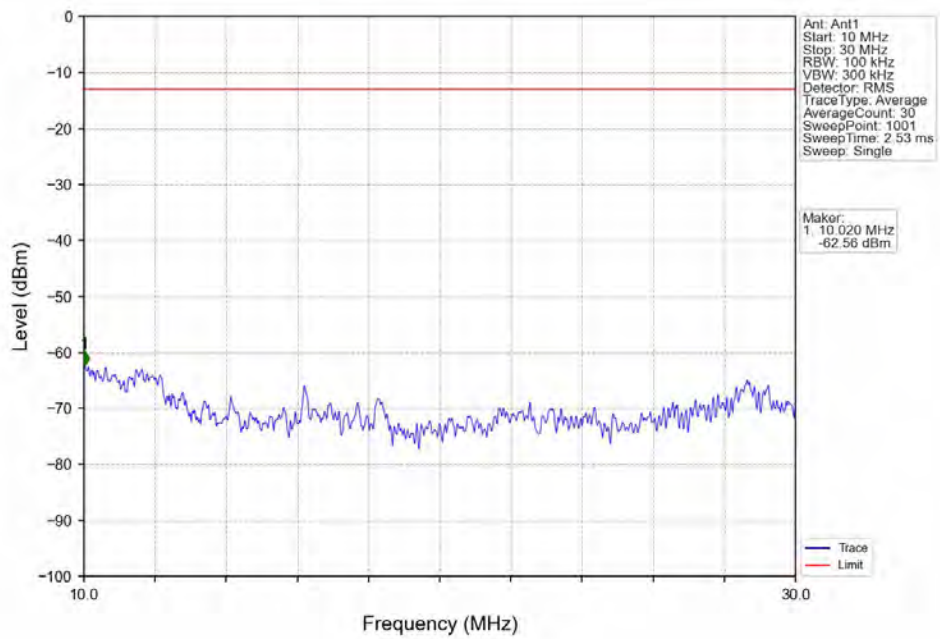
6.2.2 Test Graph



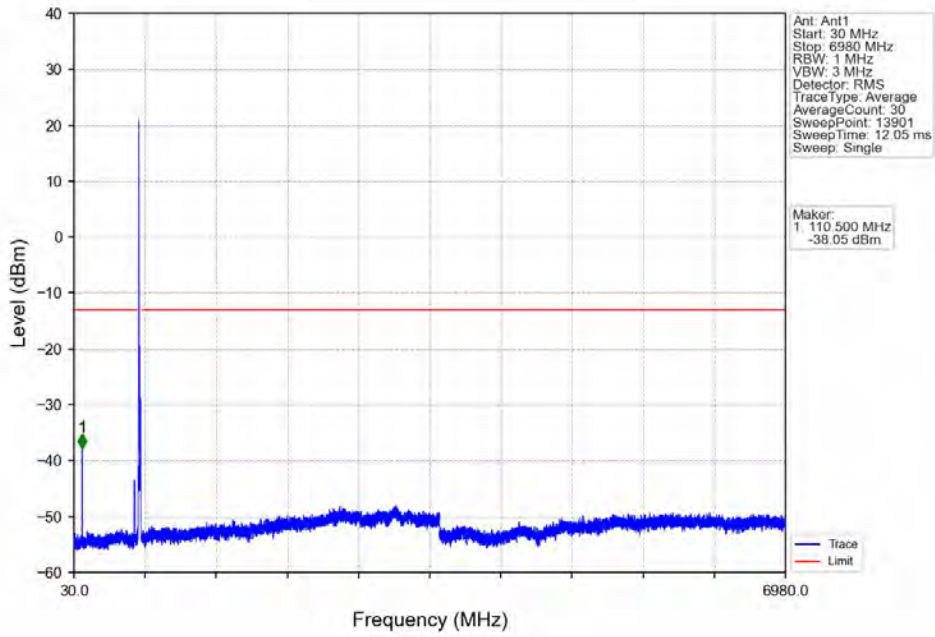
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



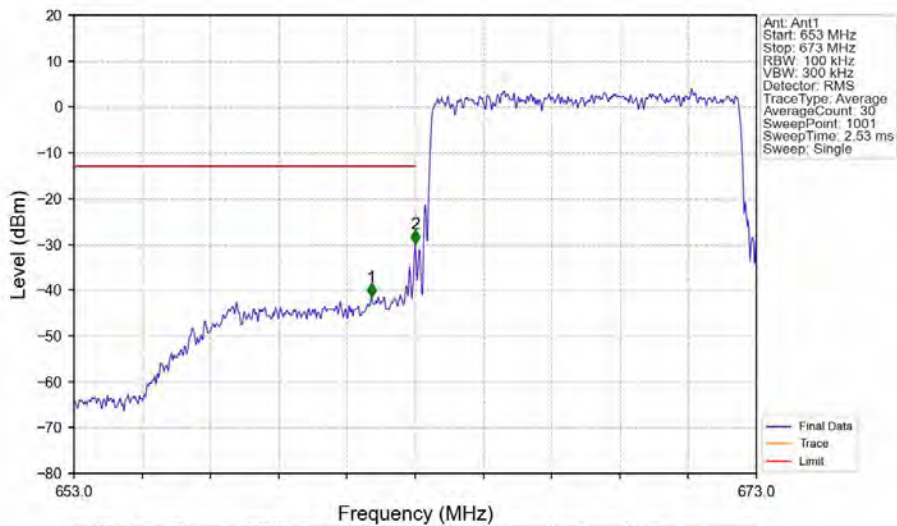
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

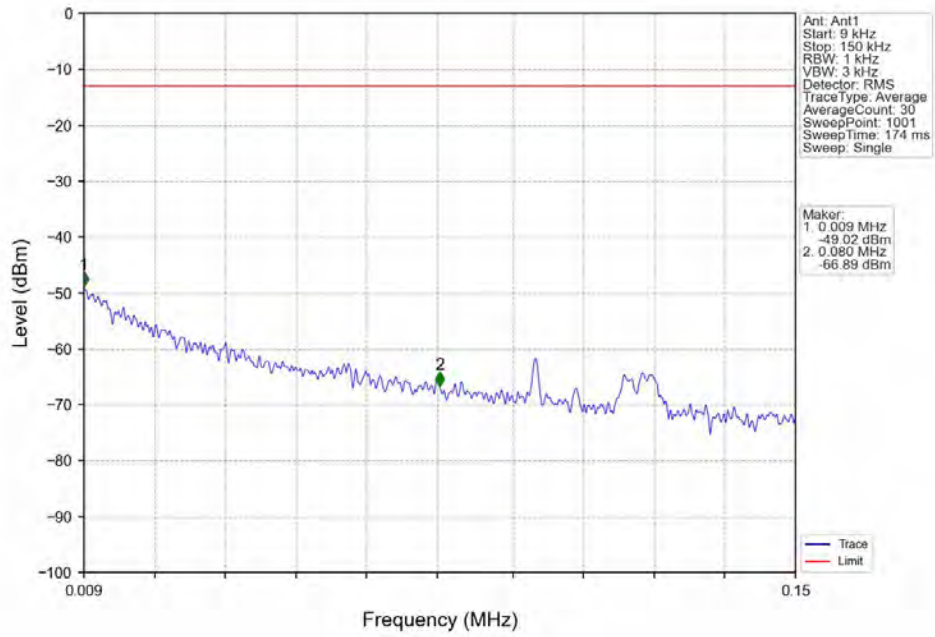


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

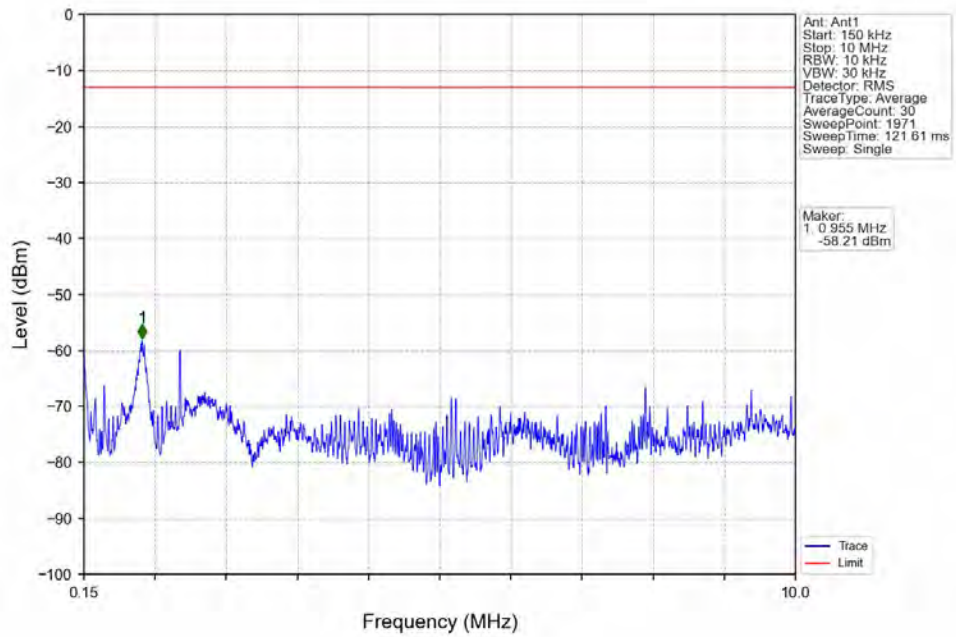


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.720	-41.53	-13	Pass
662	663	0.102	/	2	663.000	-29.94	-13	Pass
663	673	0.102	/	/	/	/	/	/

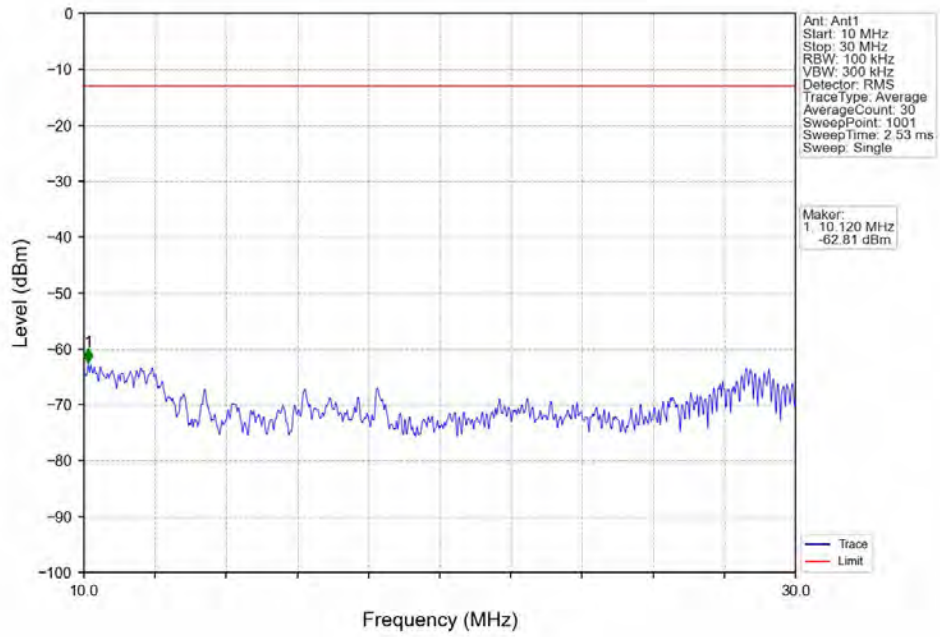
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



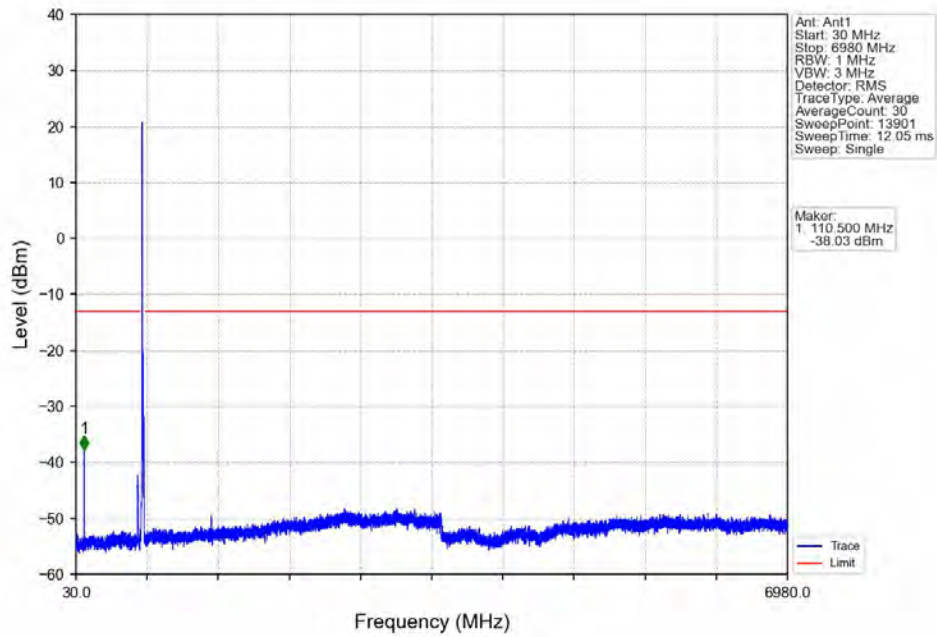
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



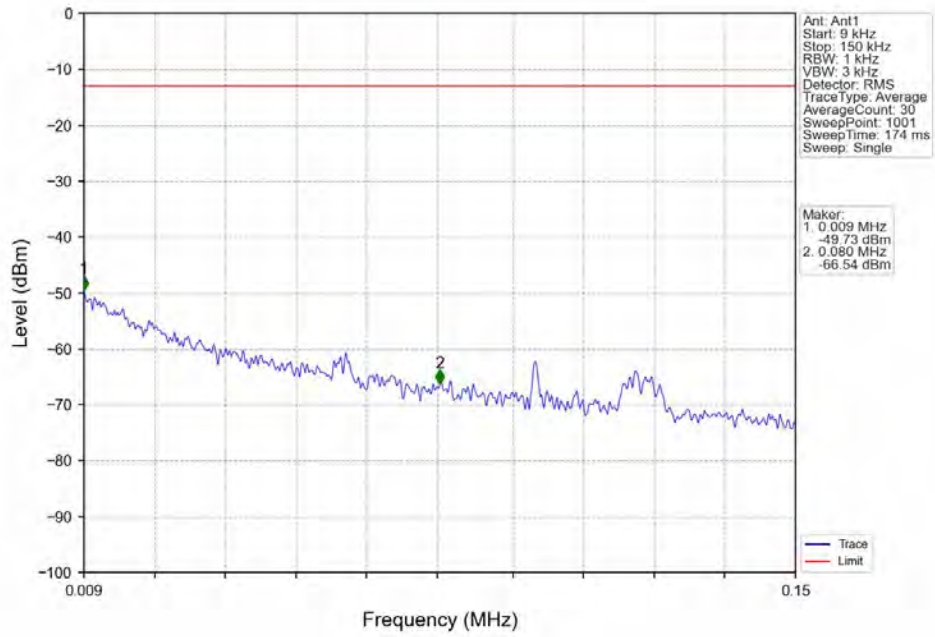
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



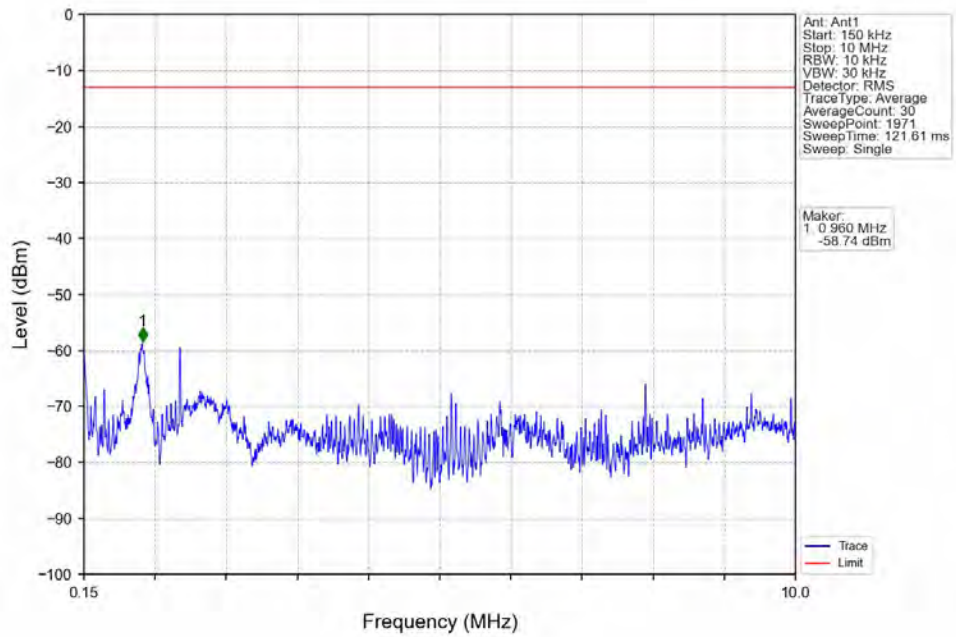
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



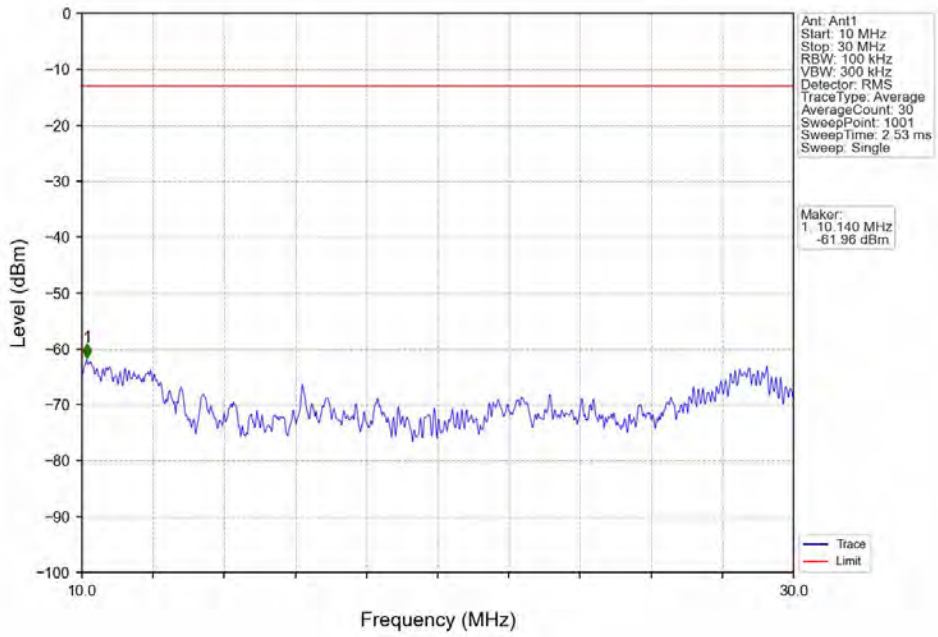
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



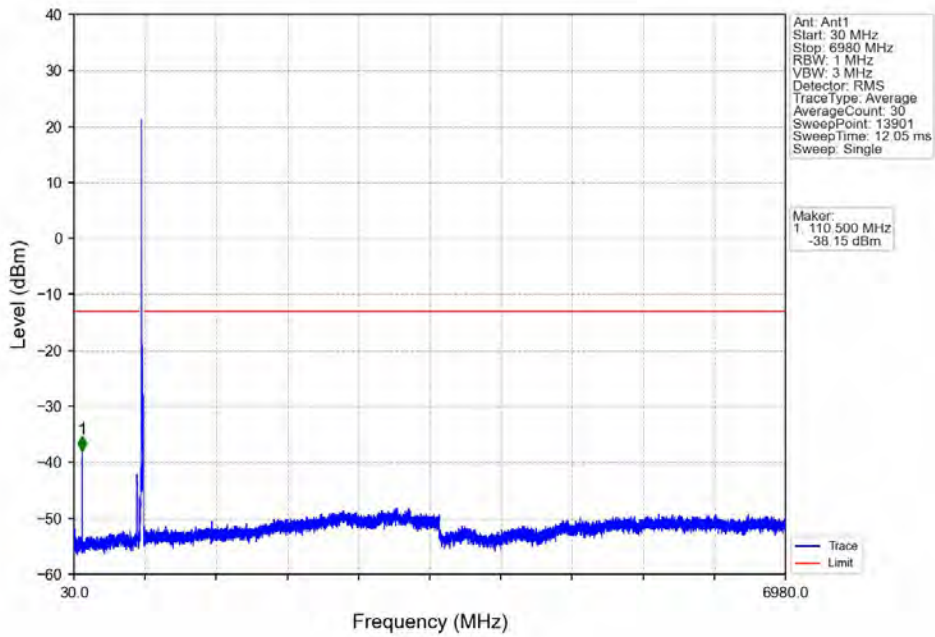
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



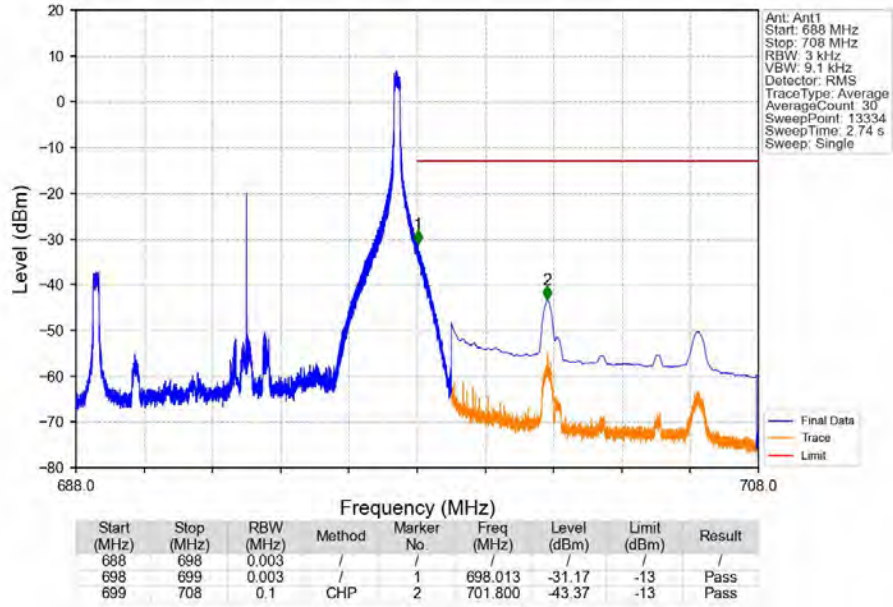
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



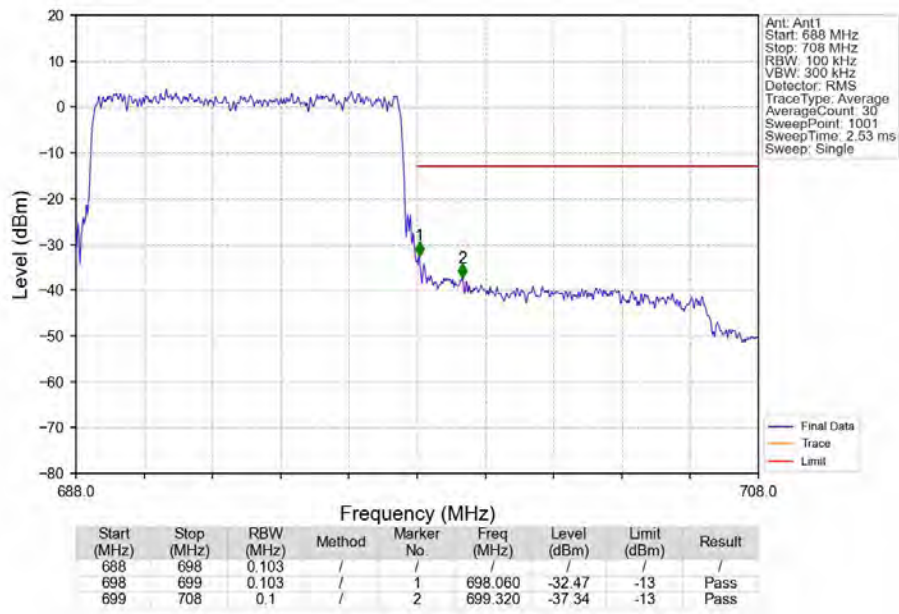
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



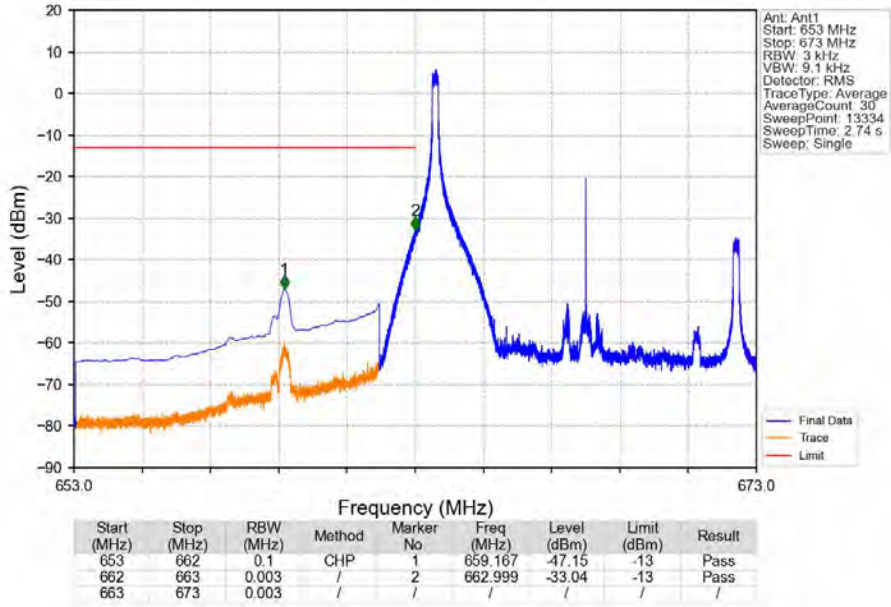
Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



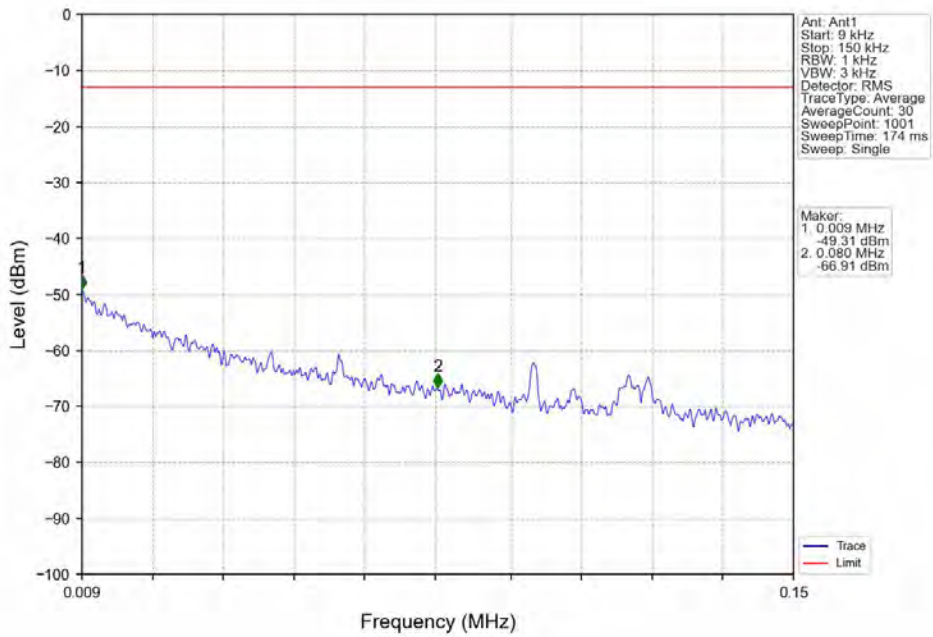
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



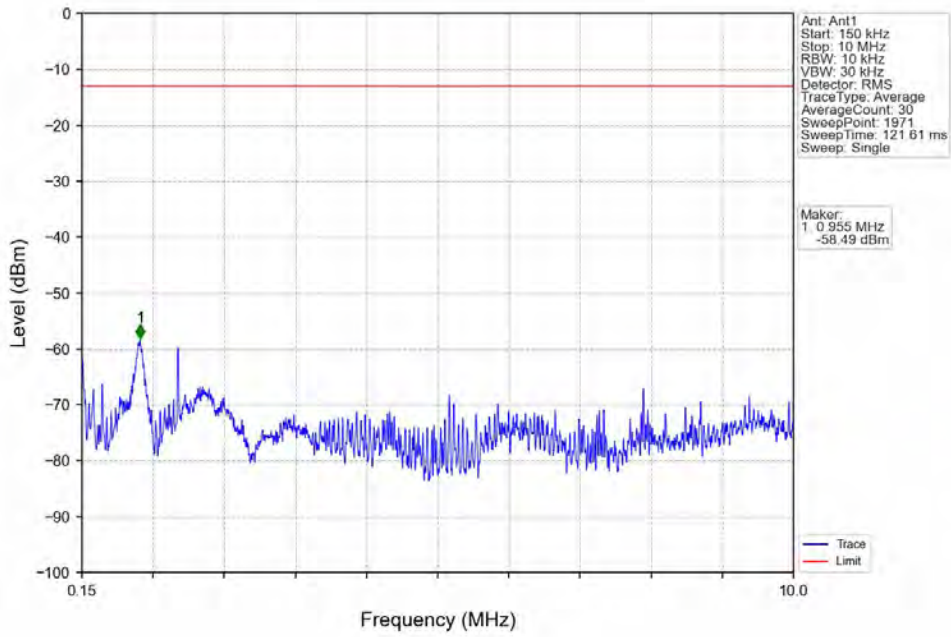
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTN



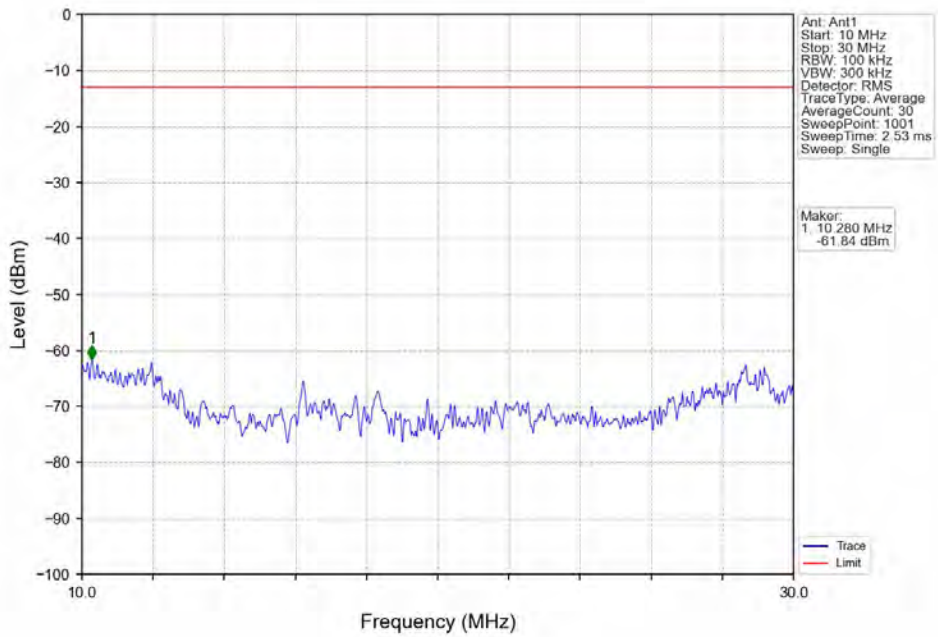
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTN



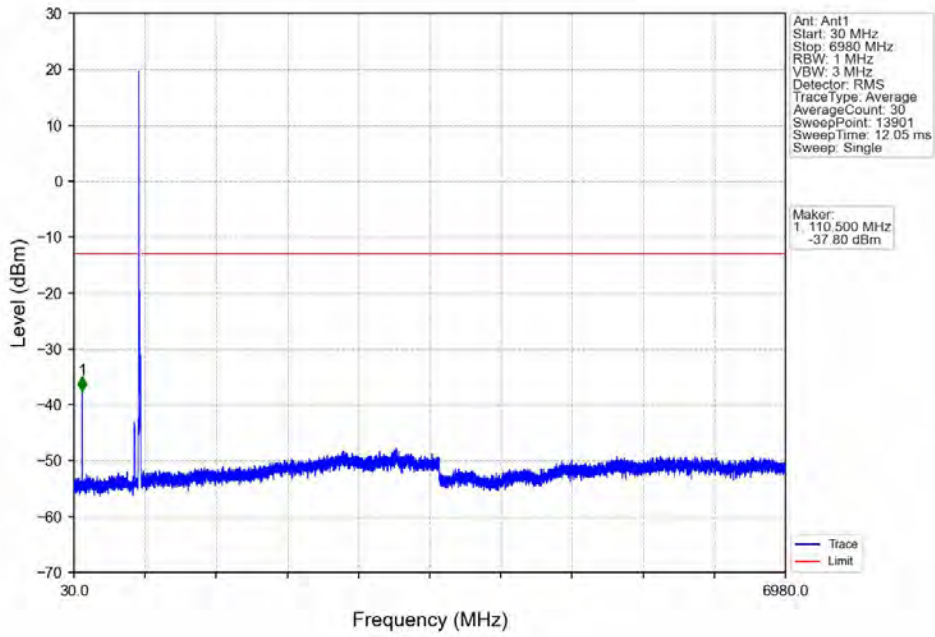
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



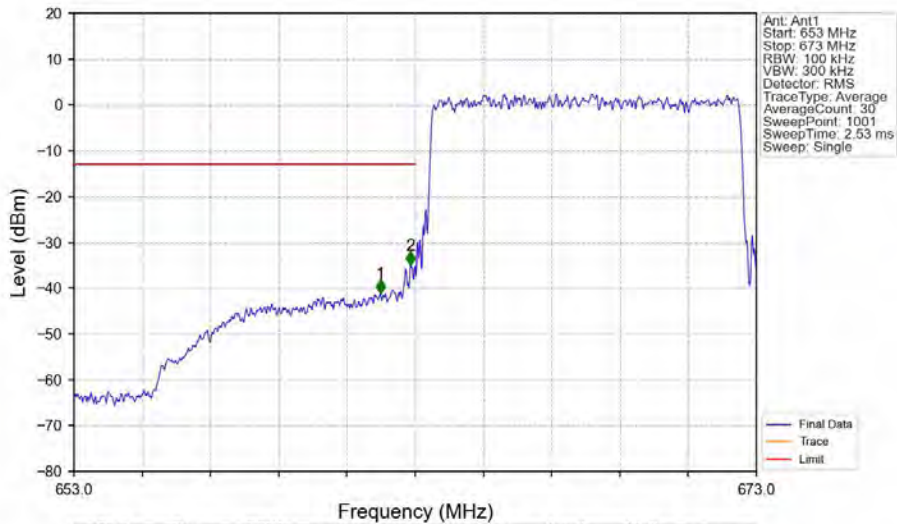
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

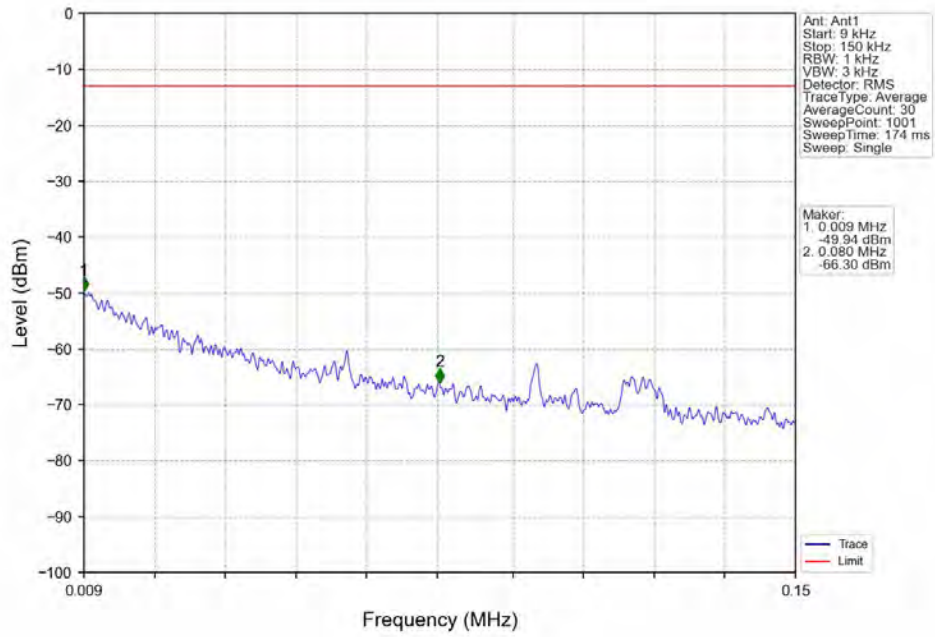


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

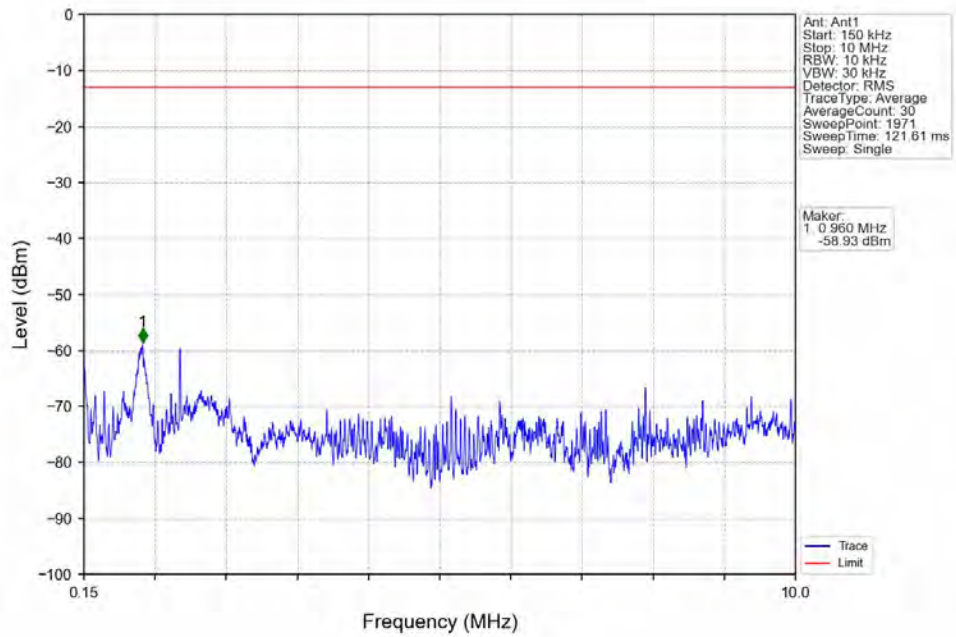


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.980	-41.16	-13	Pass
662	663	0.103	/	2	662.860	-35.01	-13	Pass
663	673	0.103	/	/	/	/	/	/

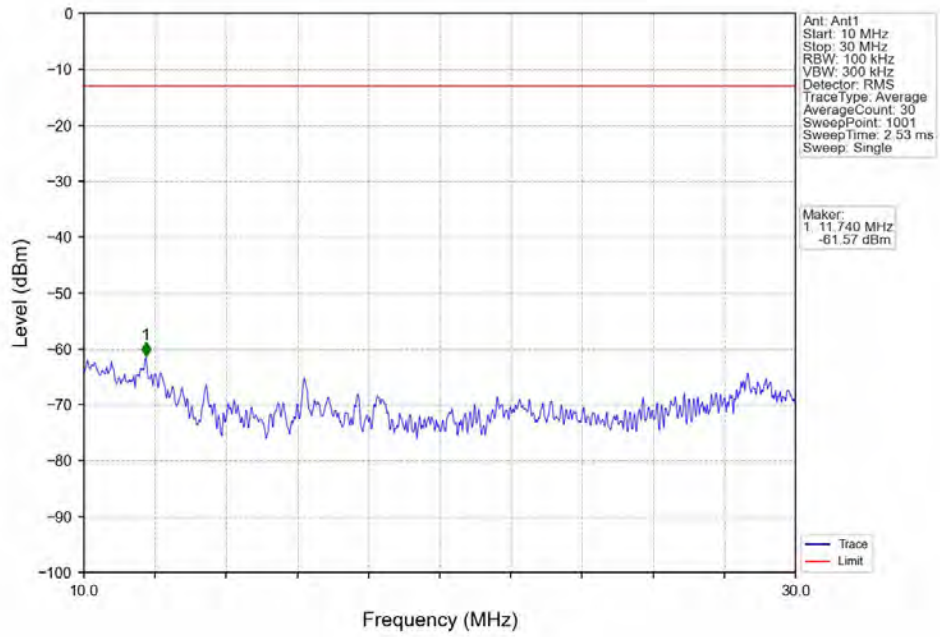
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



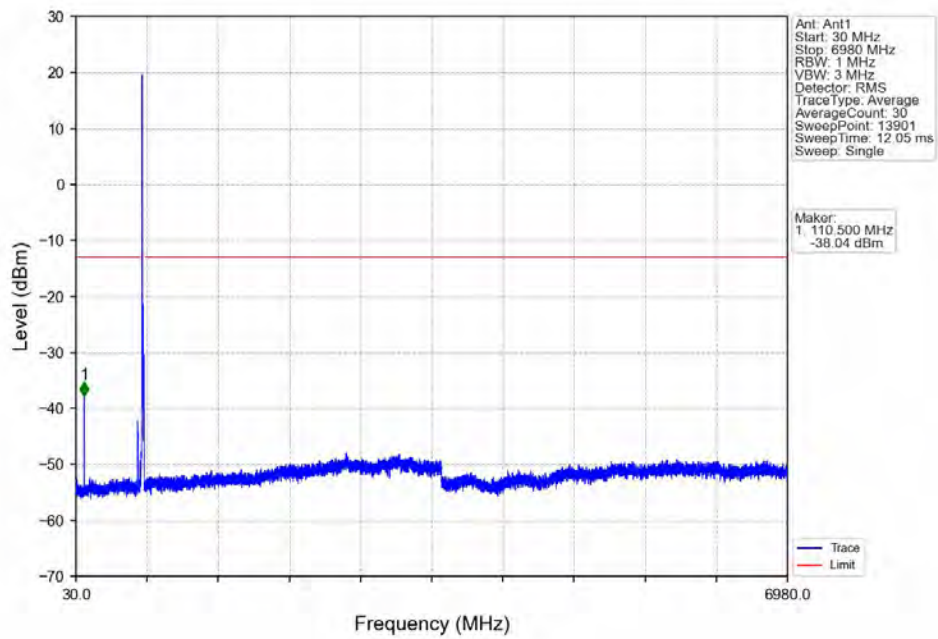
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



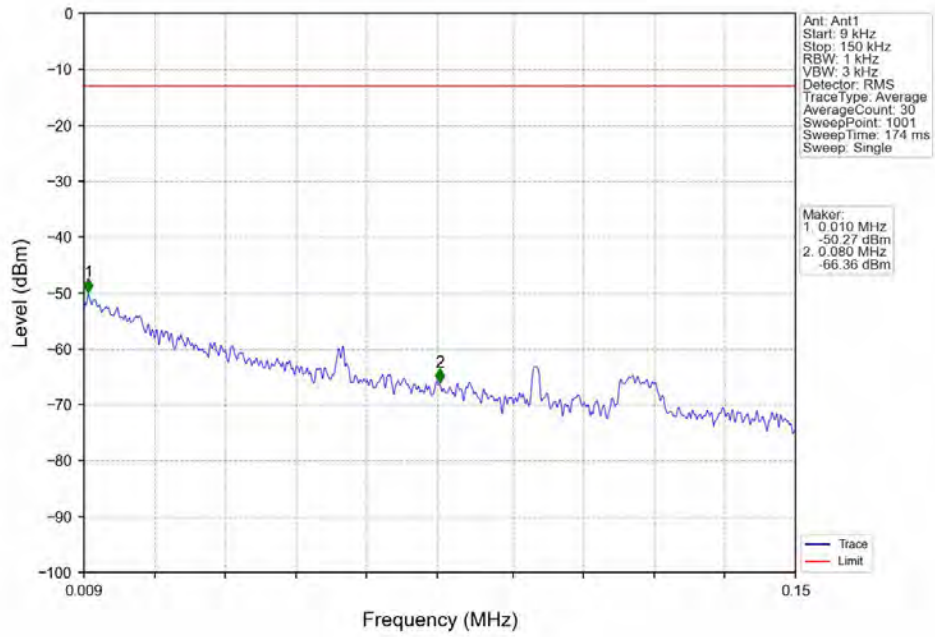
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



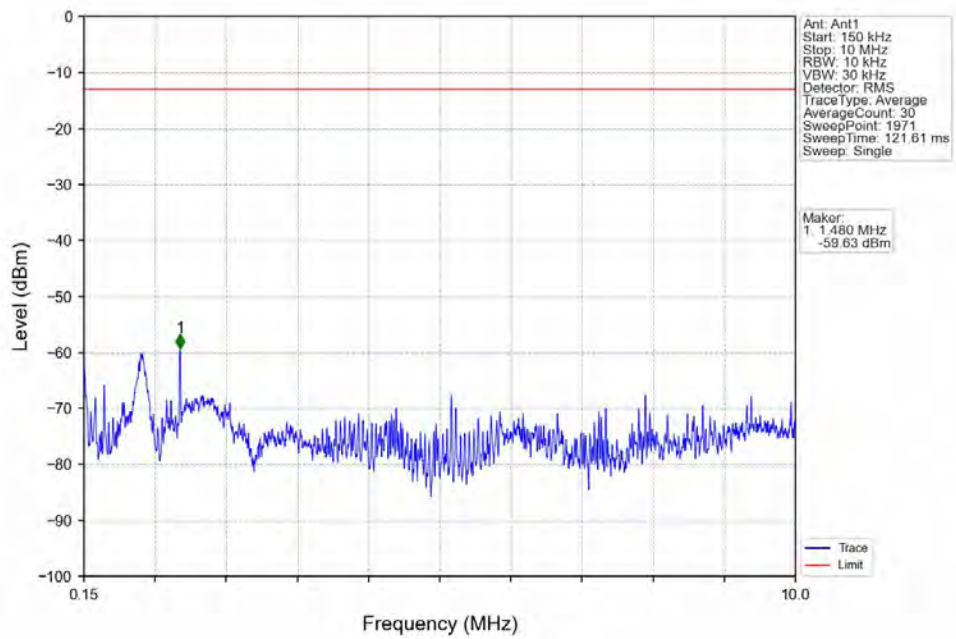
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



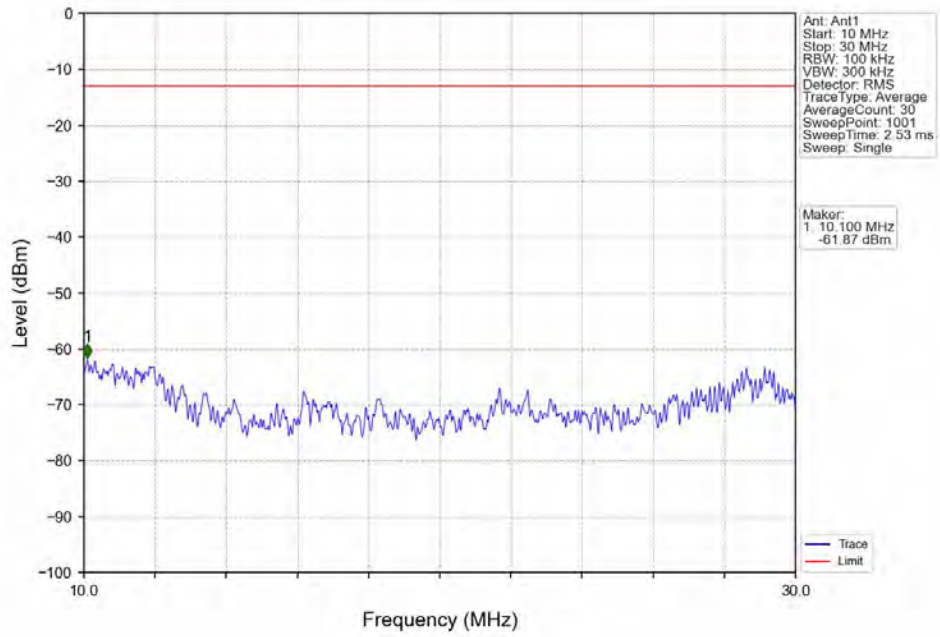
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



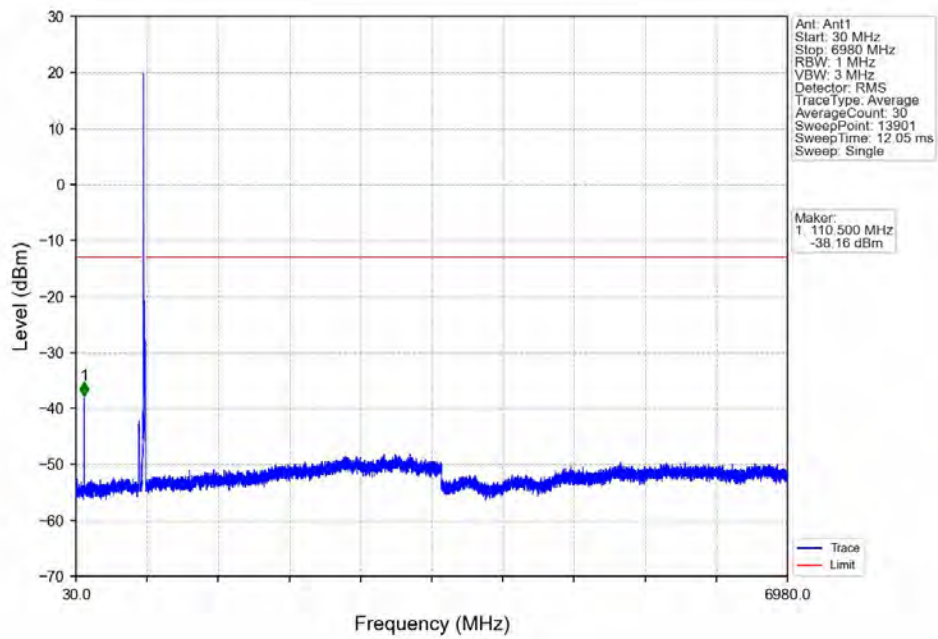
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



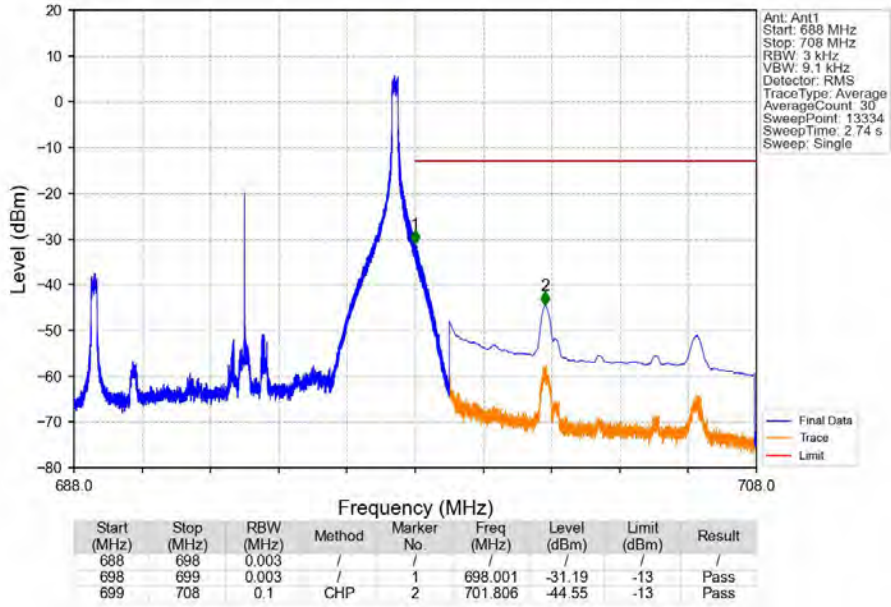
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



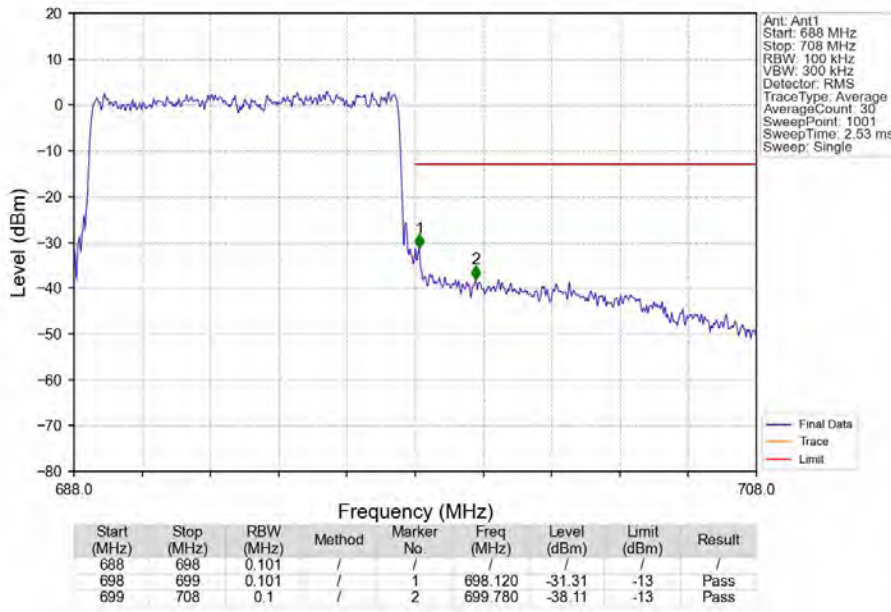
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTV

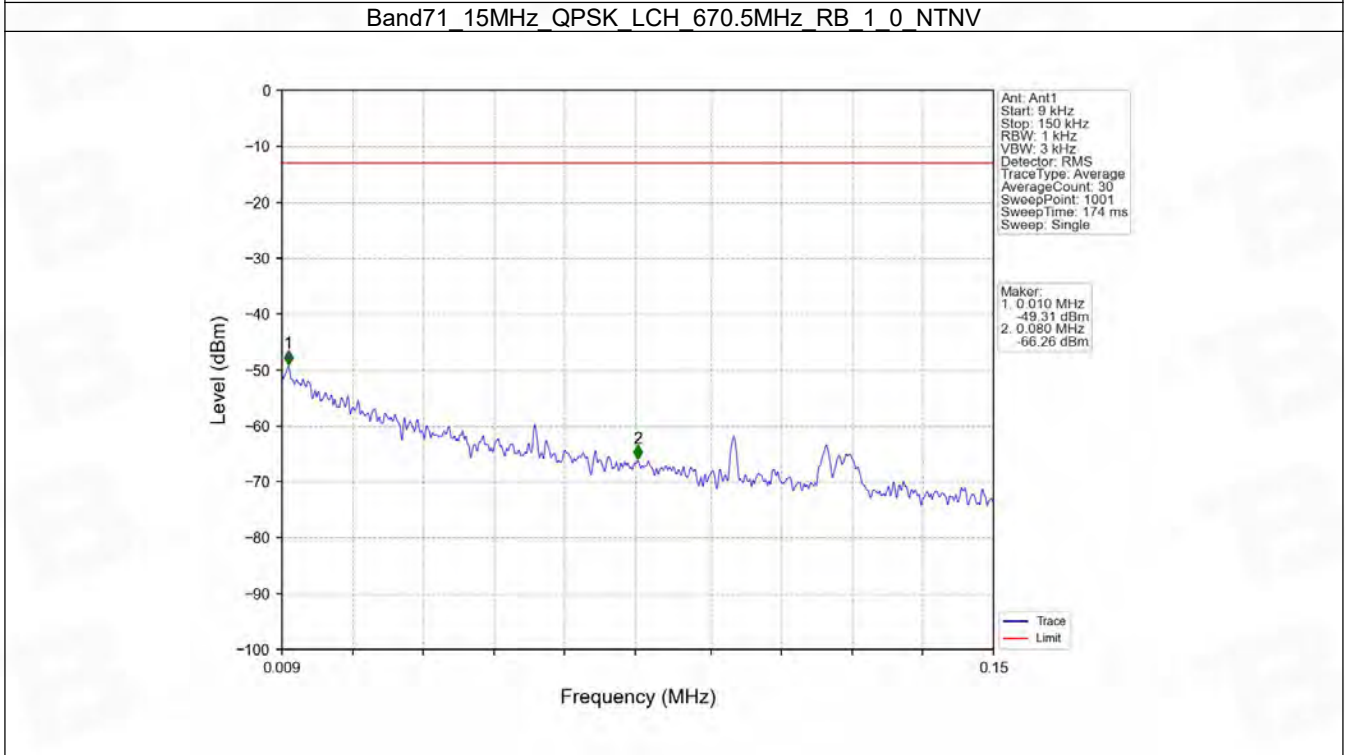
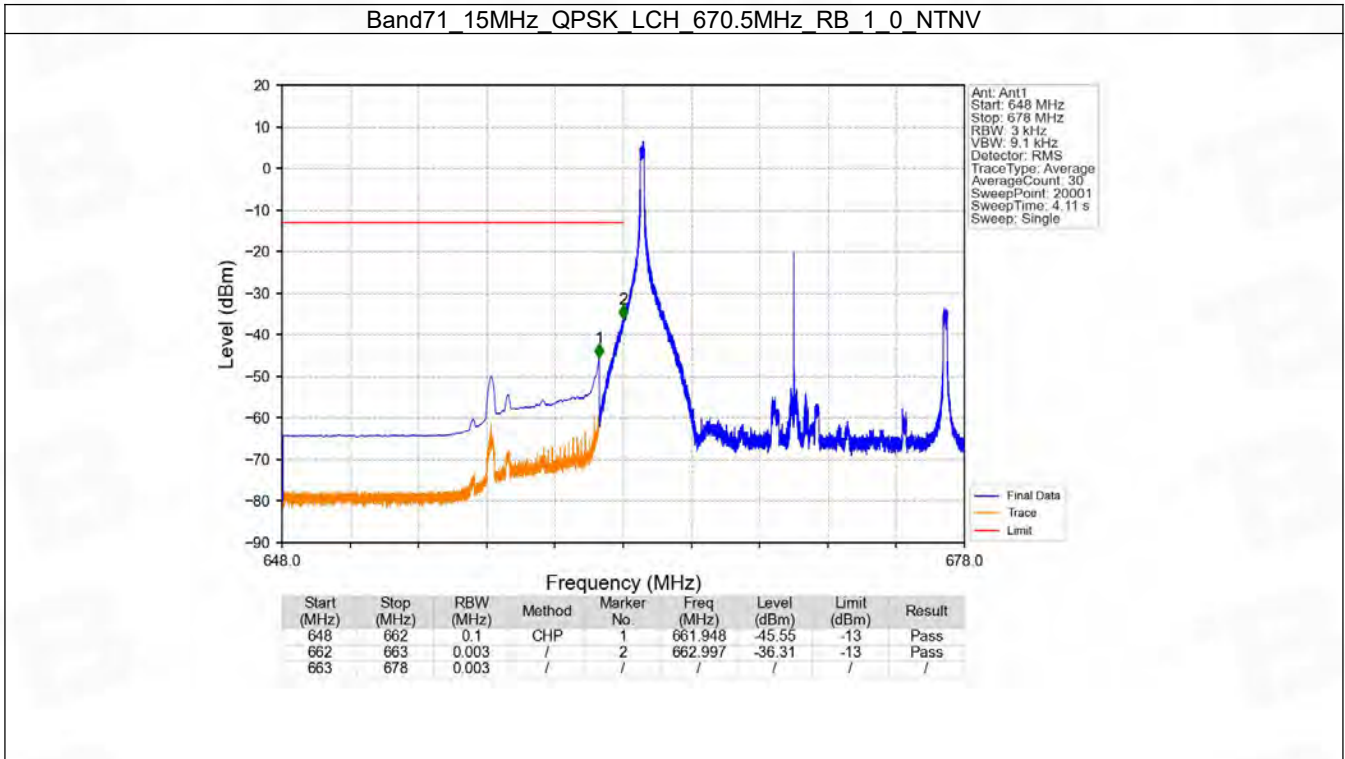


6.3 B71_15MHz

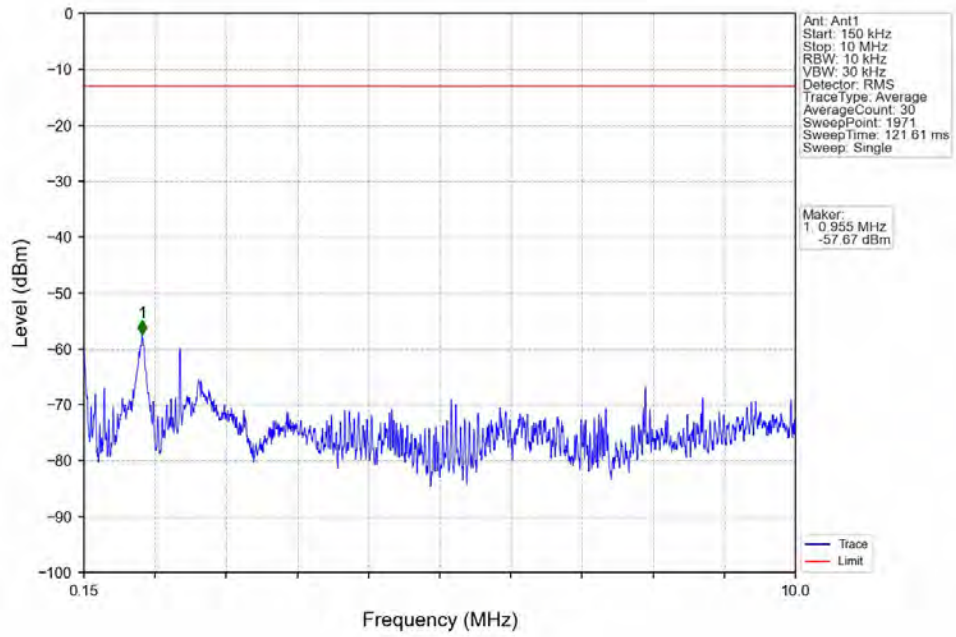
6.3.1 Test Result

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	

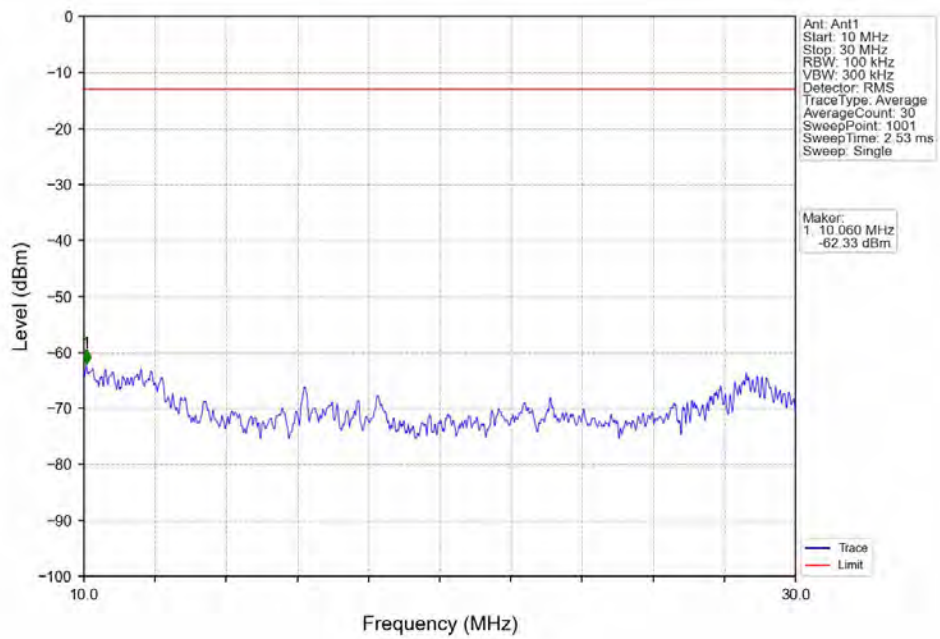
6.3.2 Test Graph



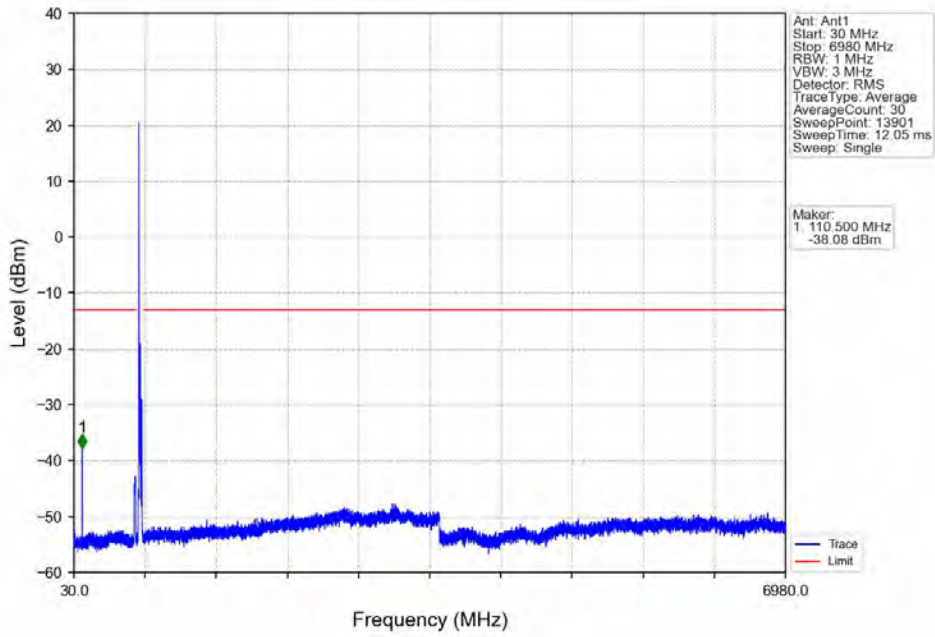
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



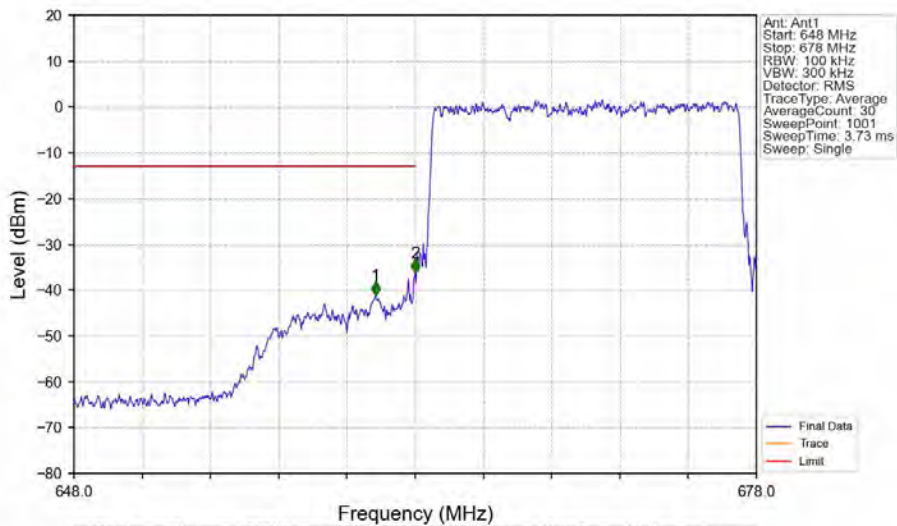
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

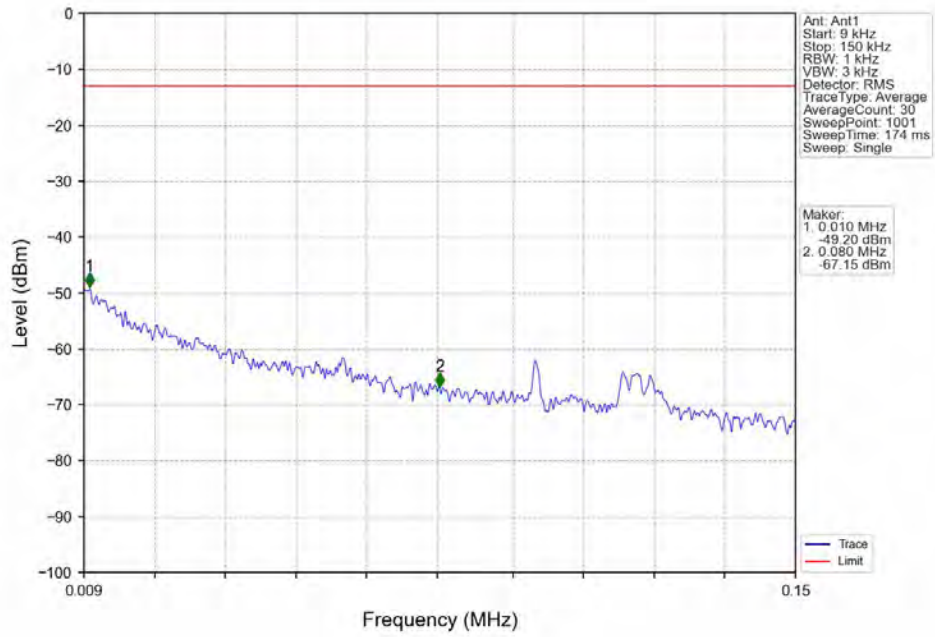


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

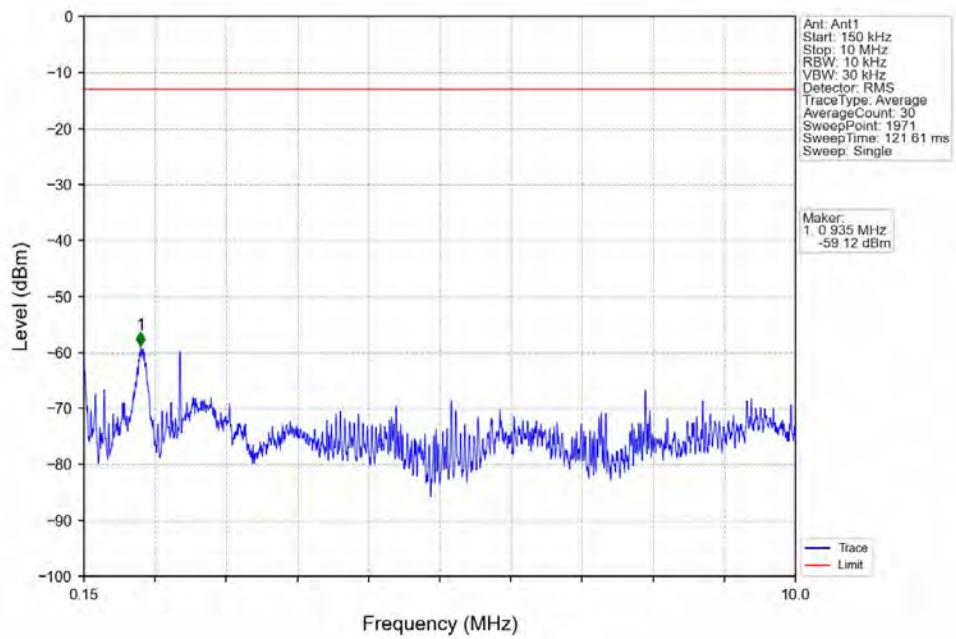


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.260	-41.17	-13	Pass
662	663	0.153	/	2	663.000	-36.21	-13	Pass
663	678	0.153	/	/	/	/	/	/

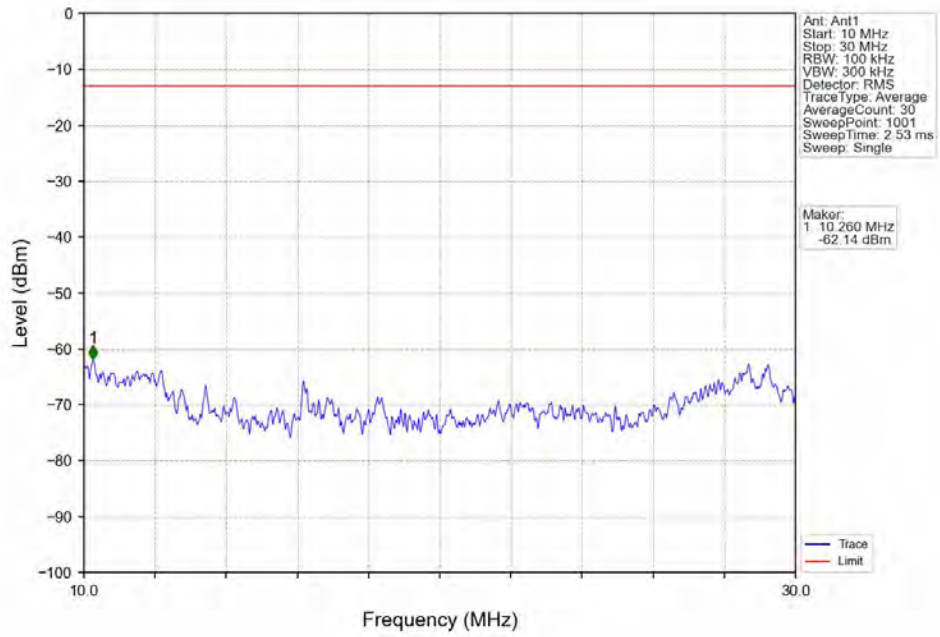
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



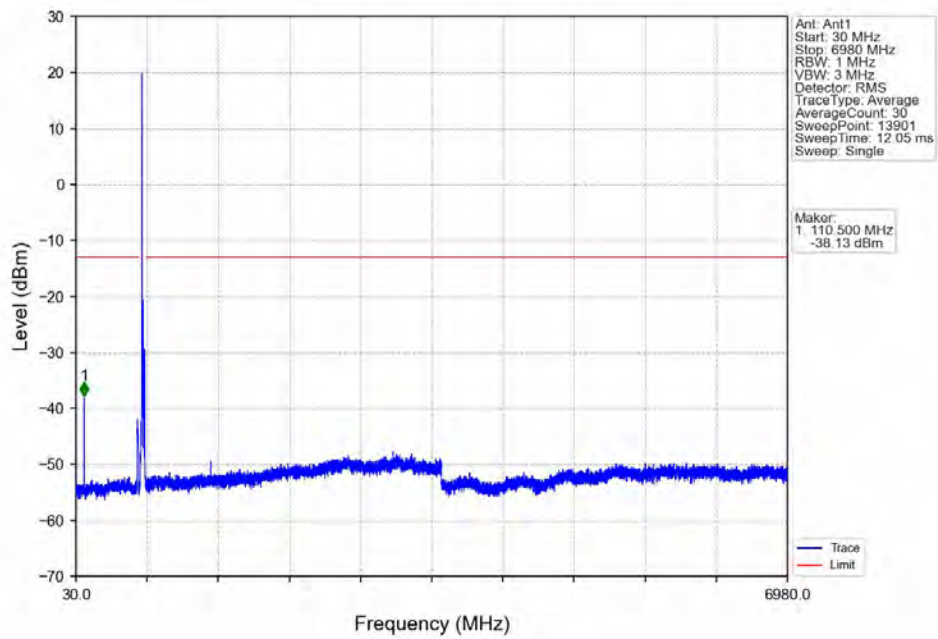
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



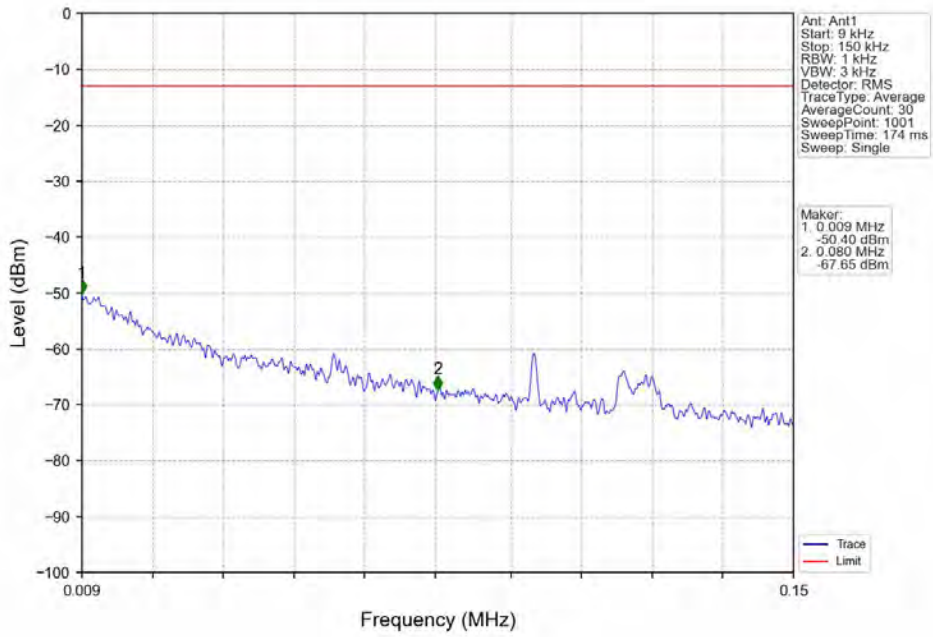
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



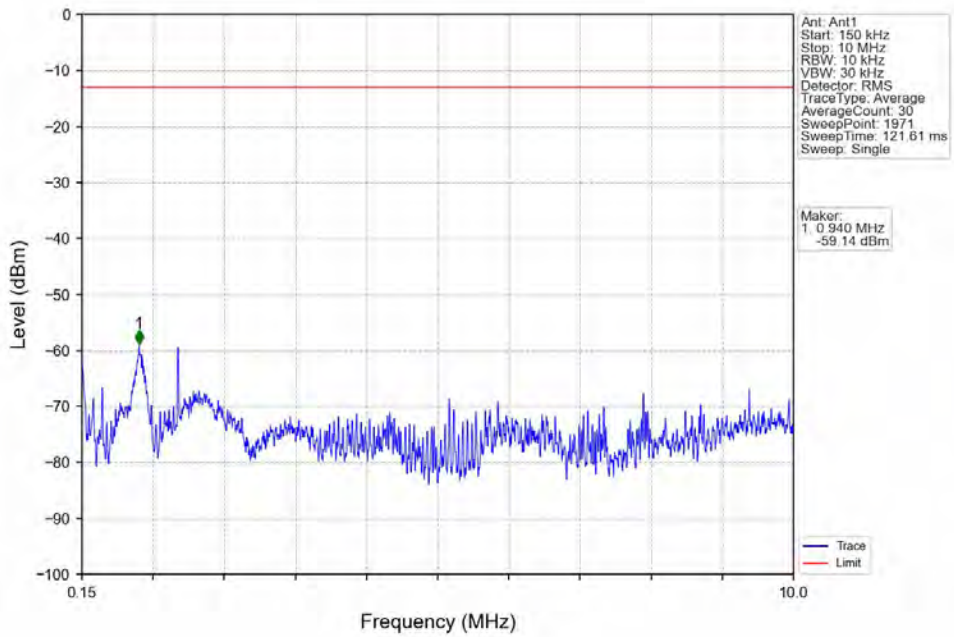
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



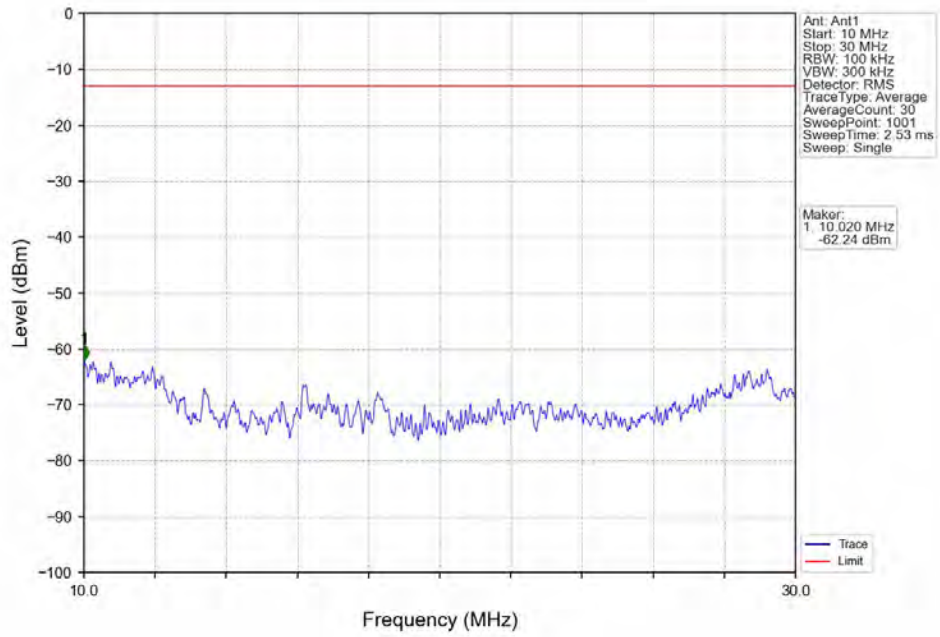
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



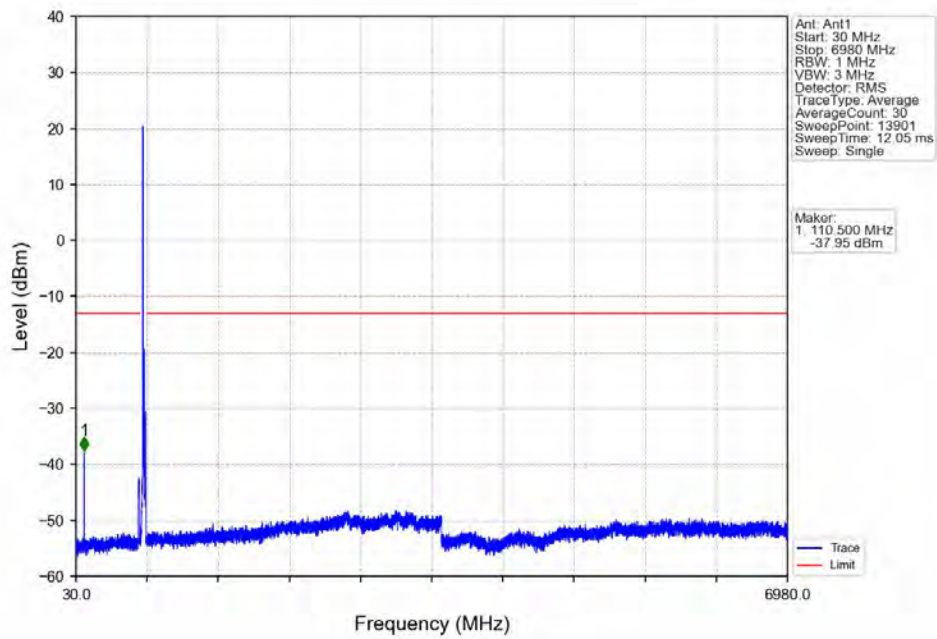
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



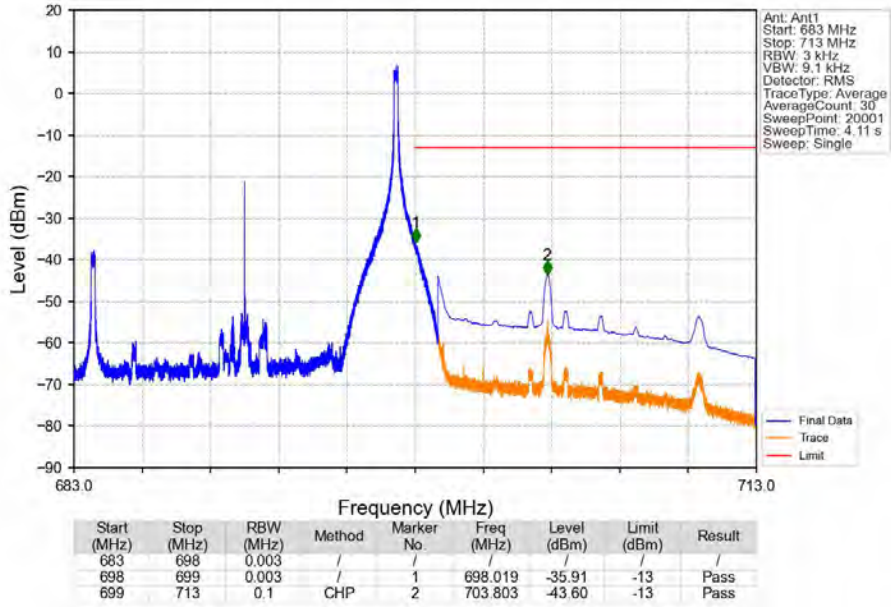
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



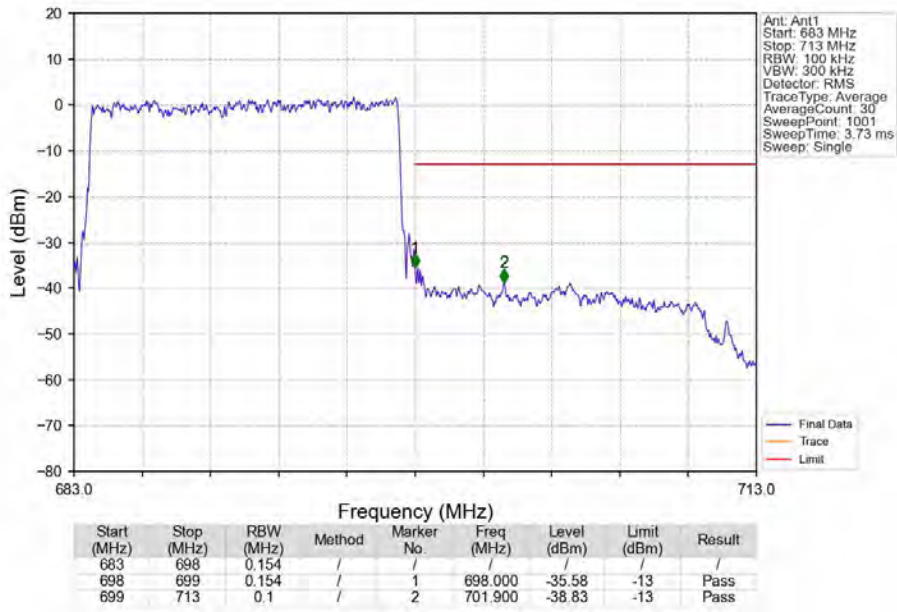
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



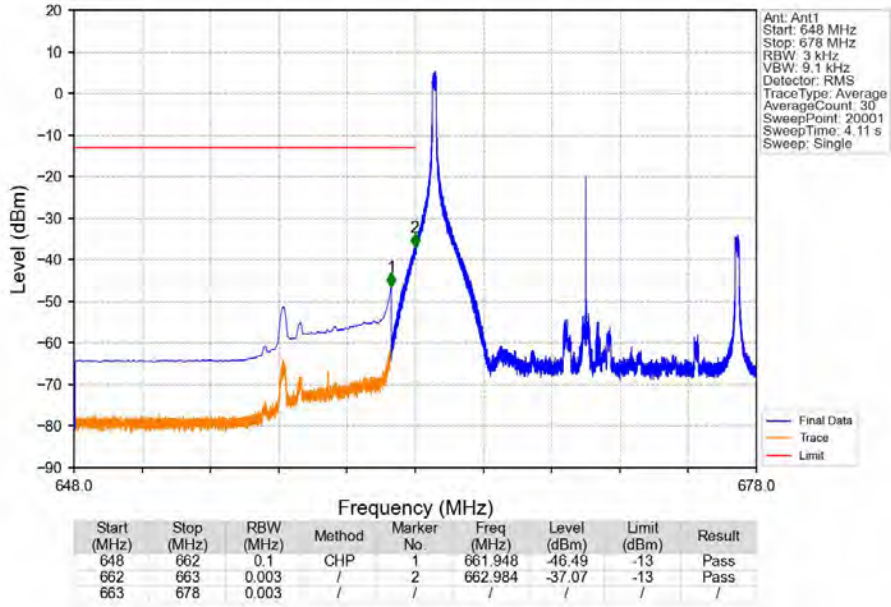
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



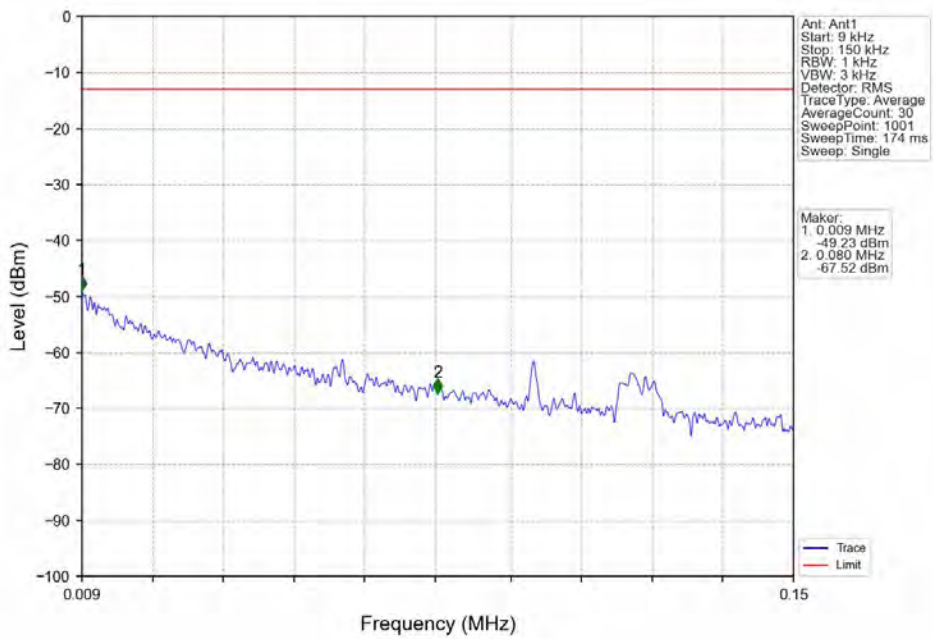
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



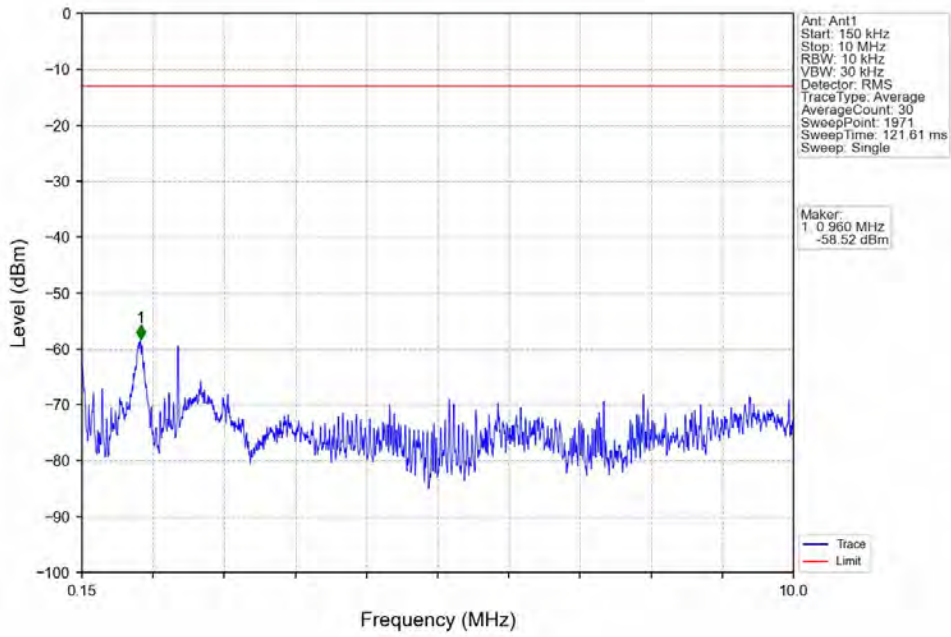
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTV



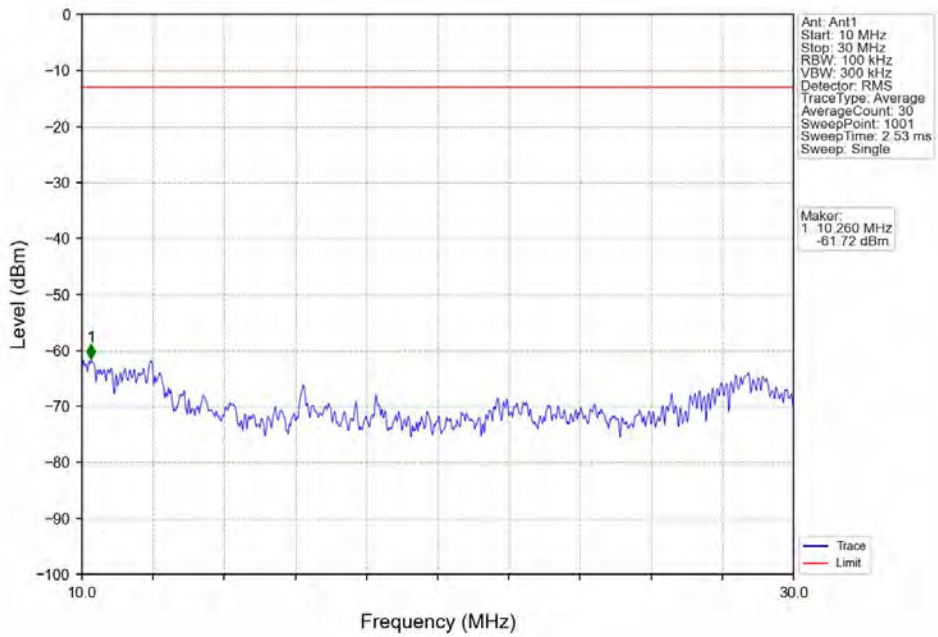
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTV



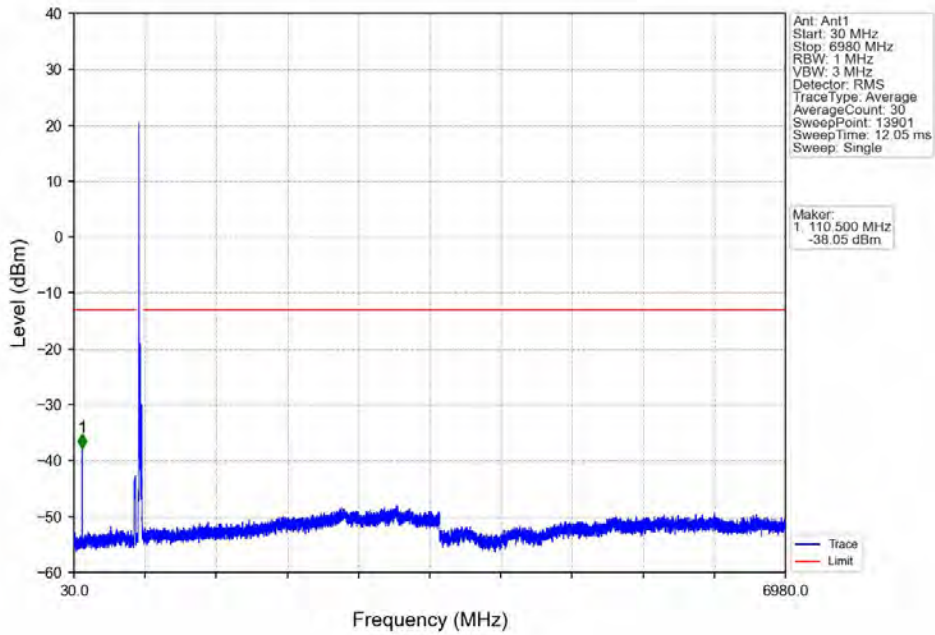
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



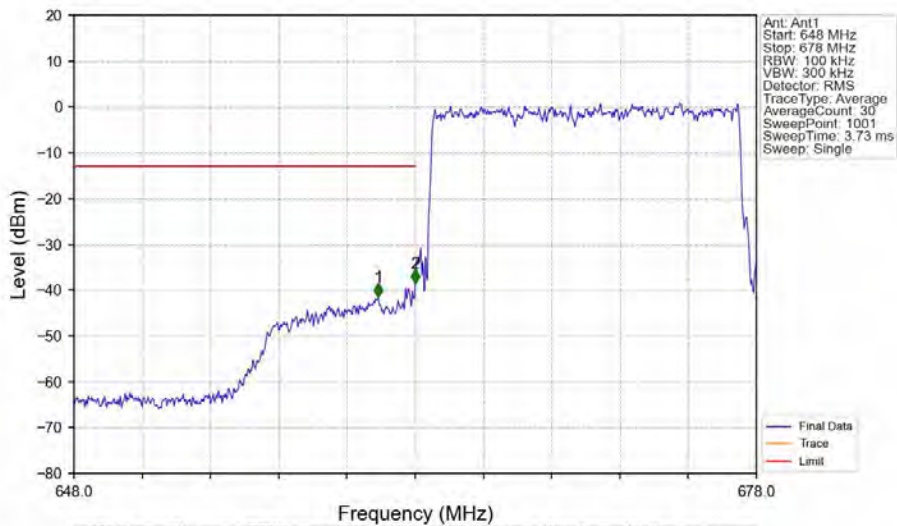
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

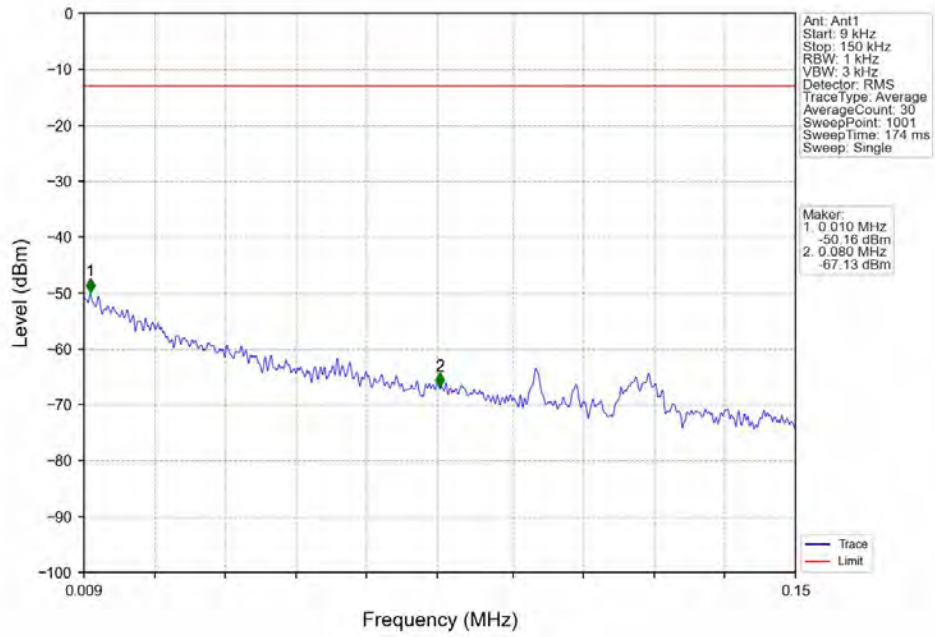


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

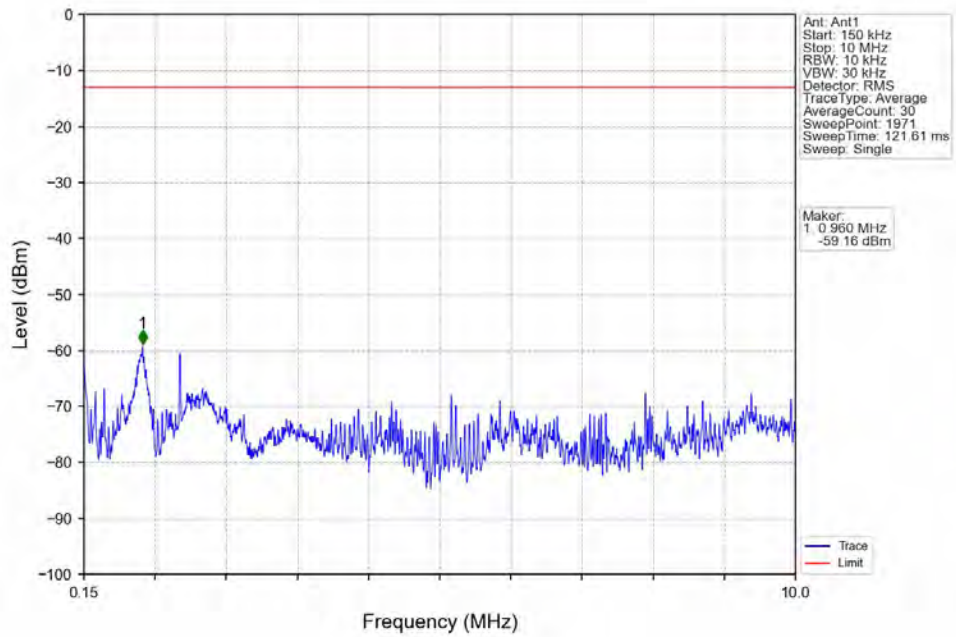


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.380	-41.57	-13	Pass
662	663	0.154	/	2	663.000	-38.61	-13	Pass
663	678	0.154	/	/	/	/	/	/

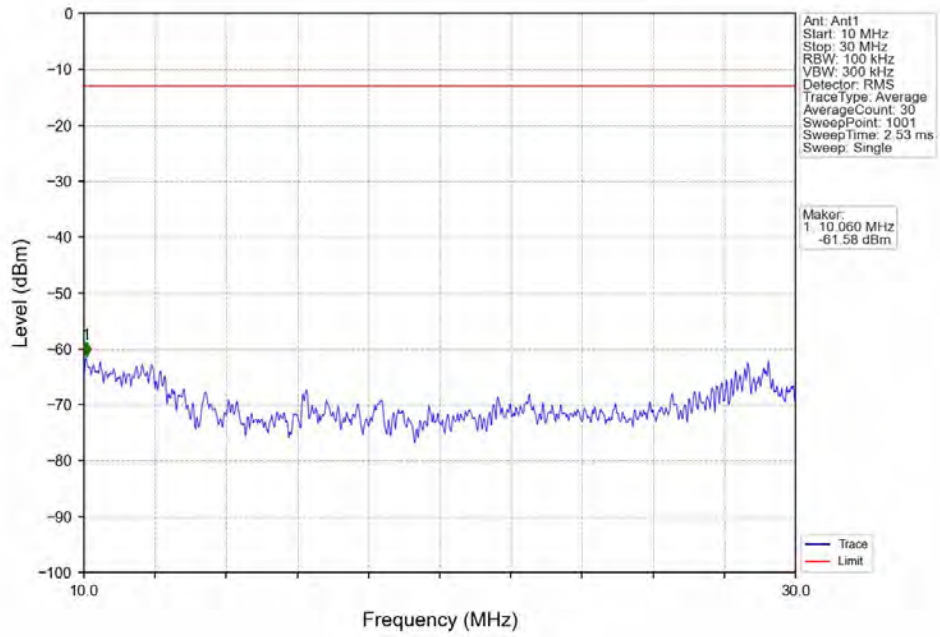
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



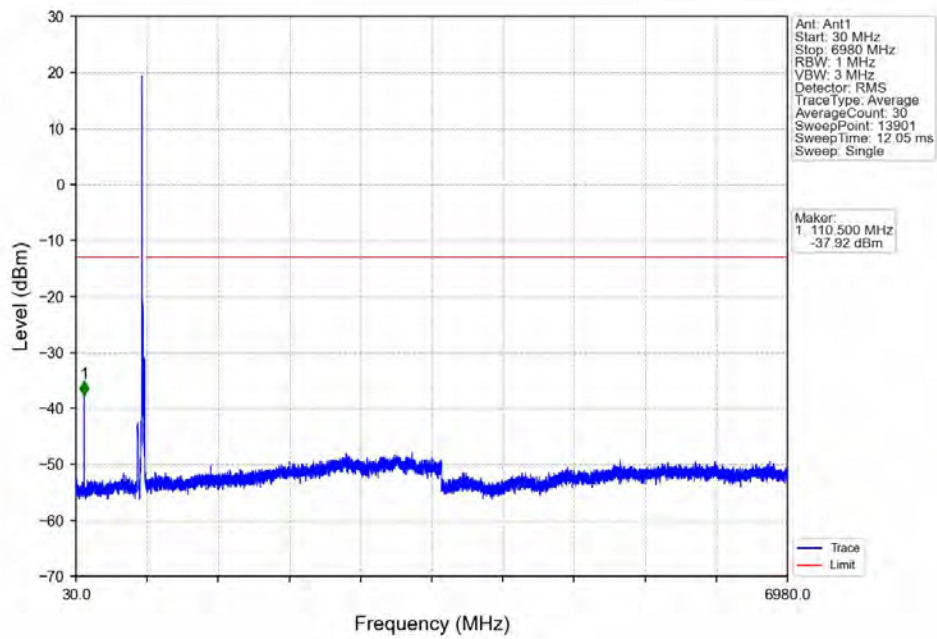
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



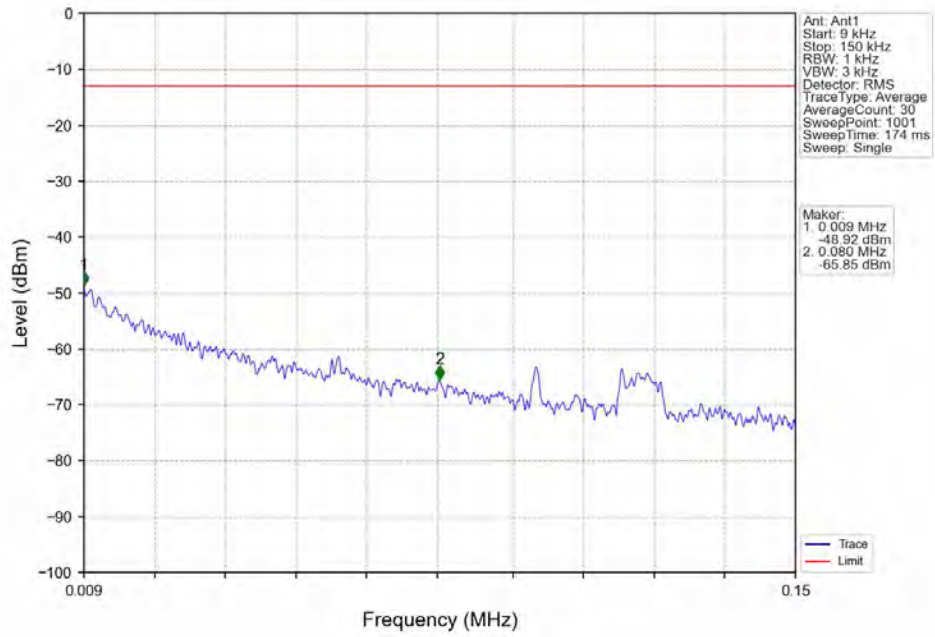
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



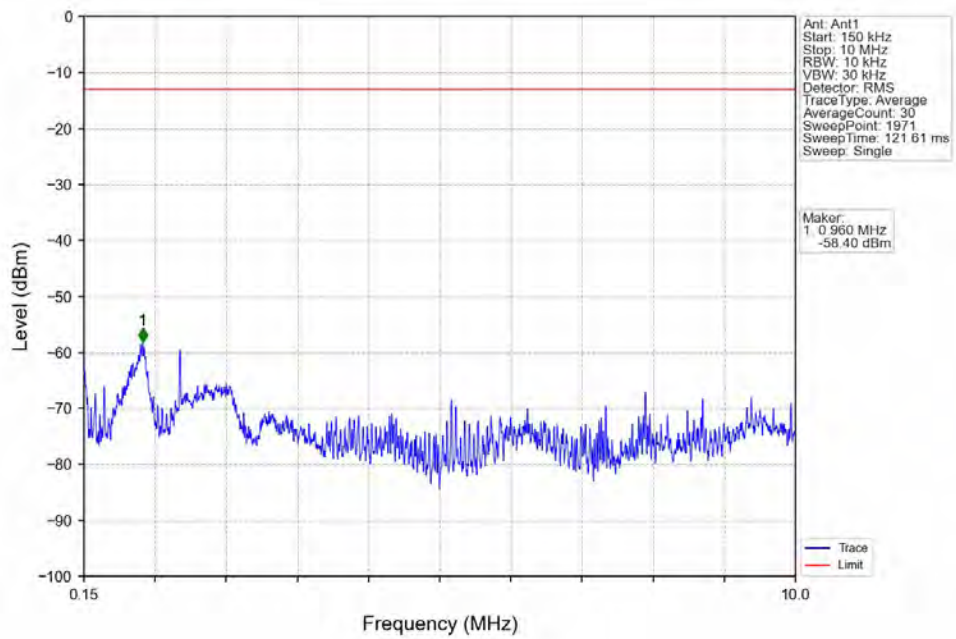
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



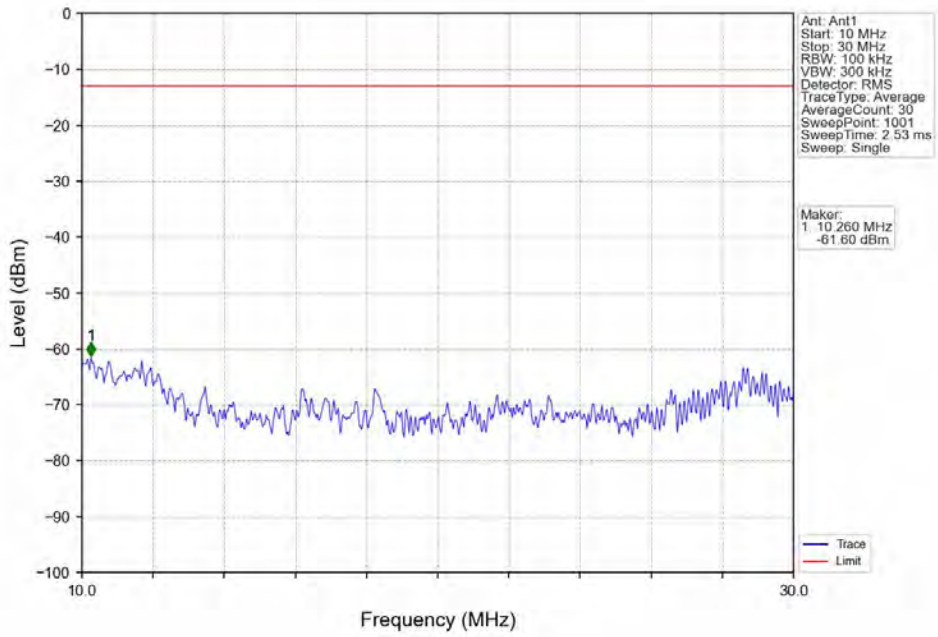
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



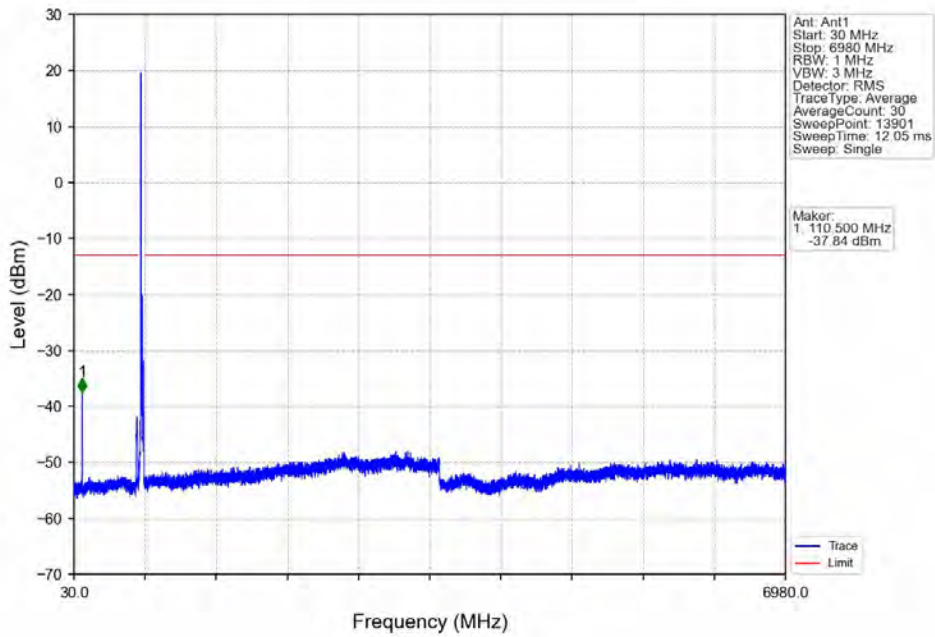
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



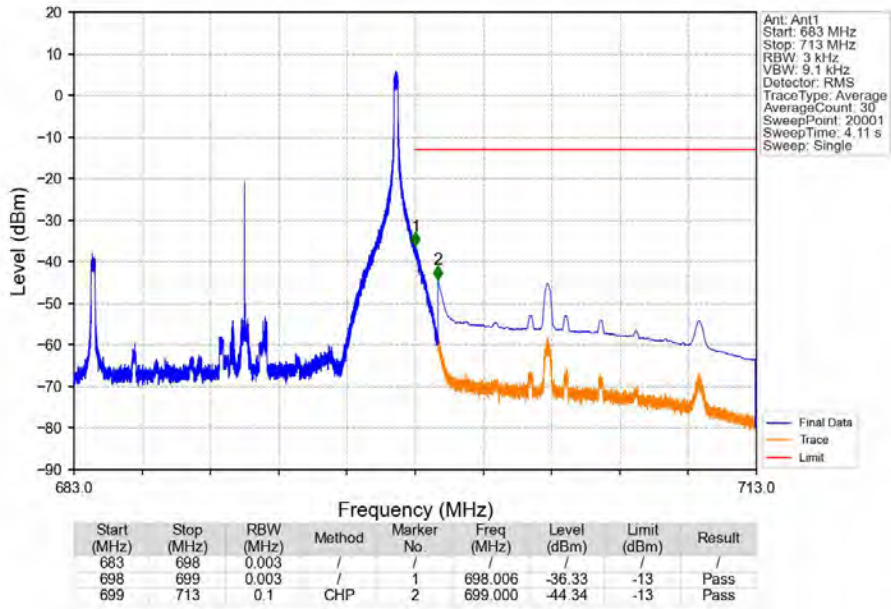
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



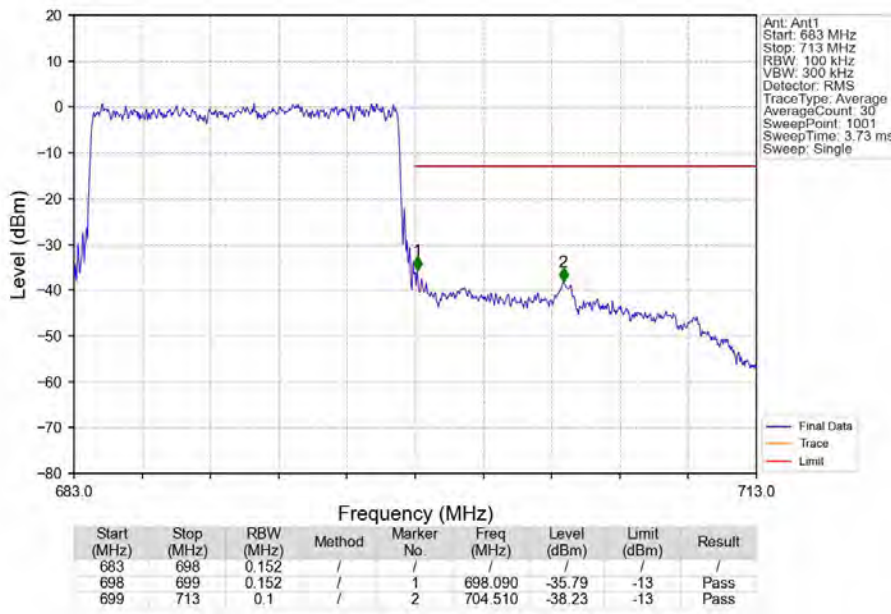
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



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



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

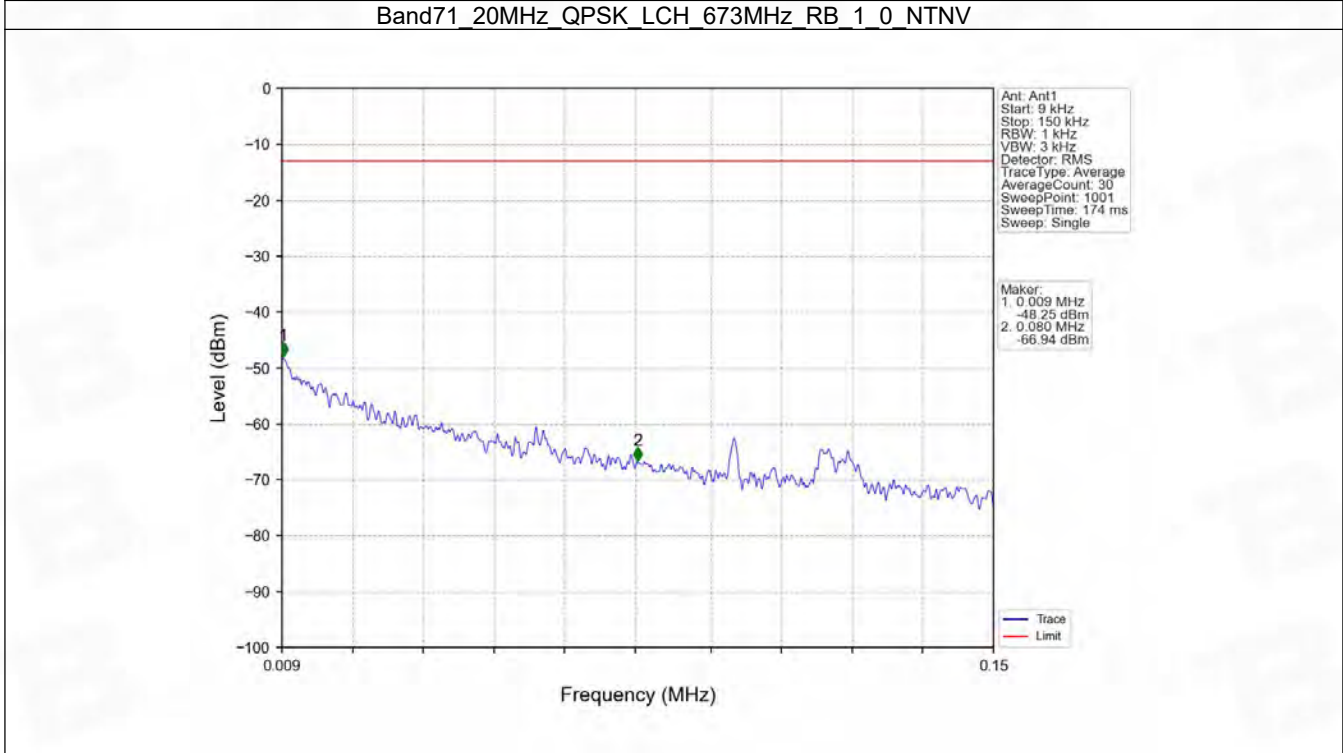
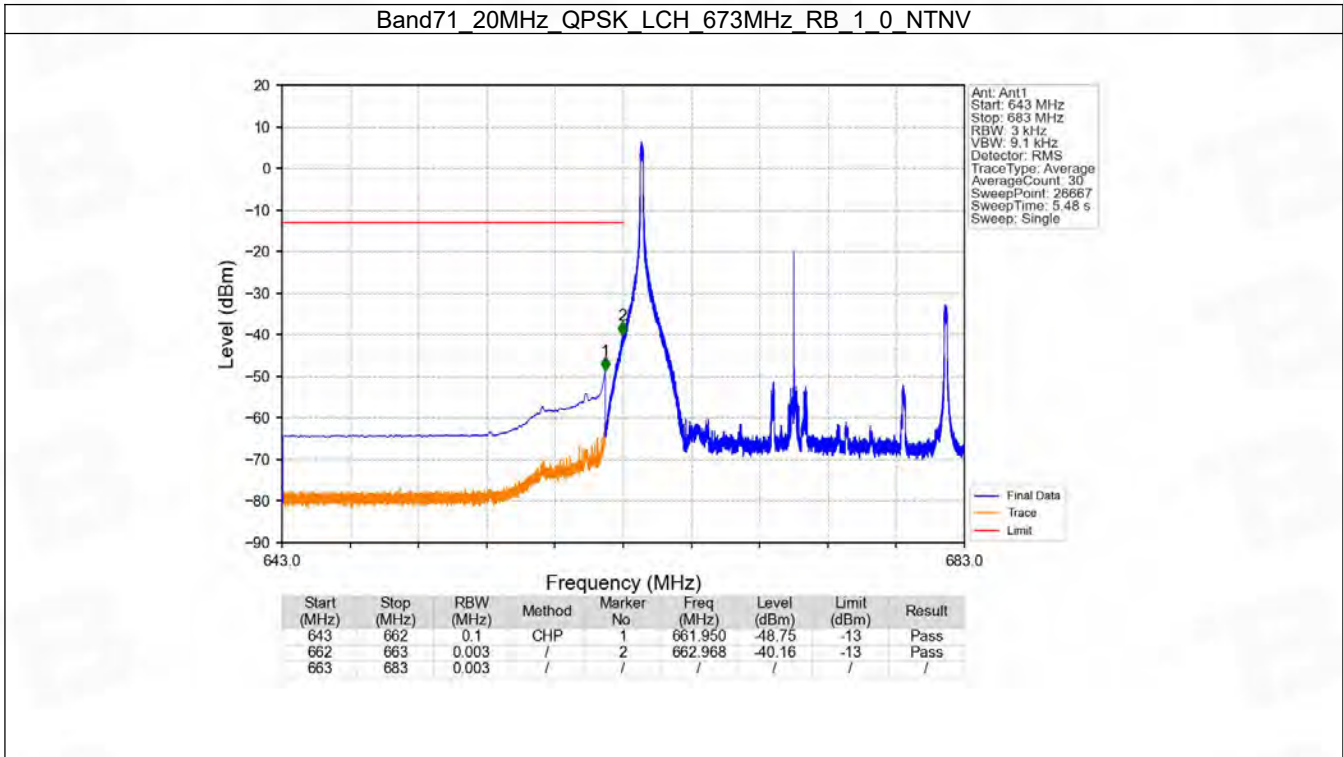


6.4 B71_20MHz

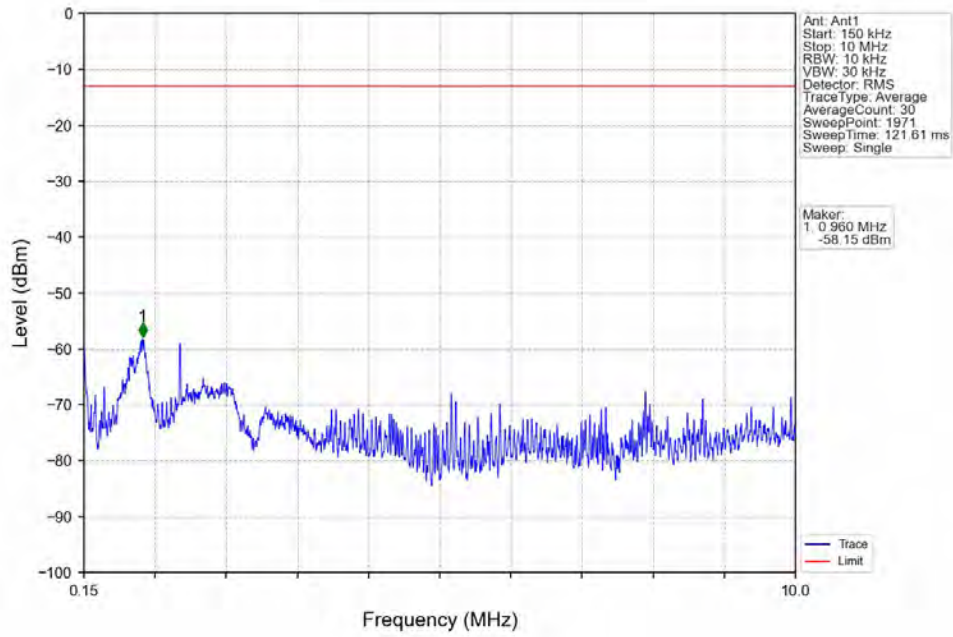
6.4.1 Test Result

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

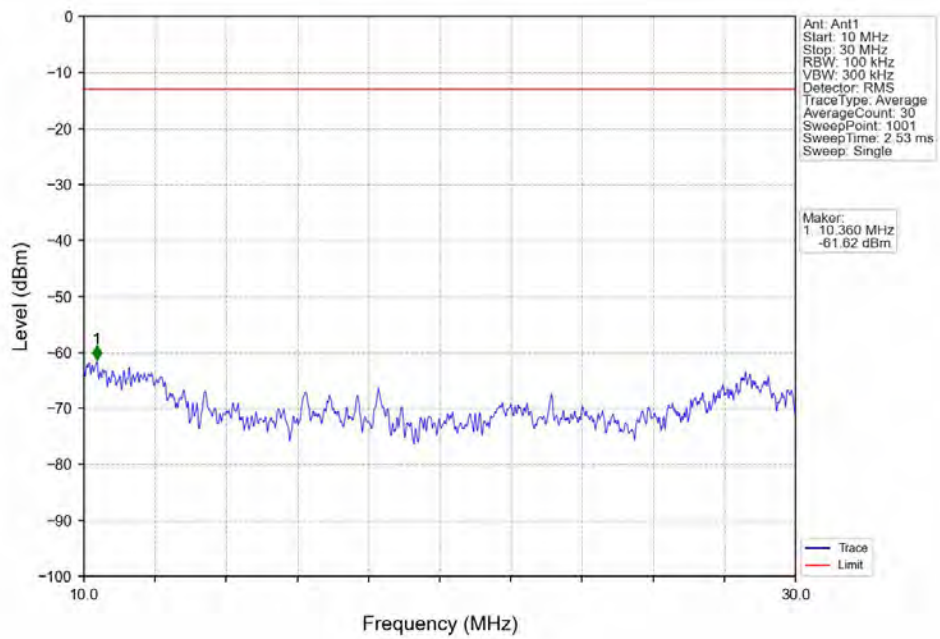
6.4.2 Test Graph



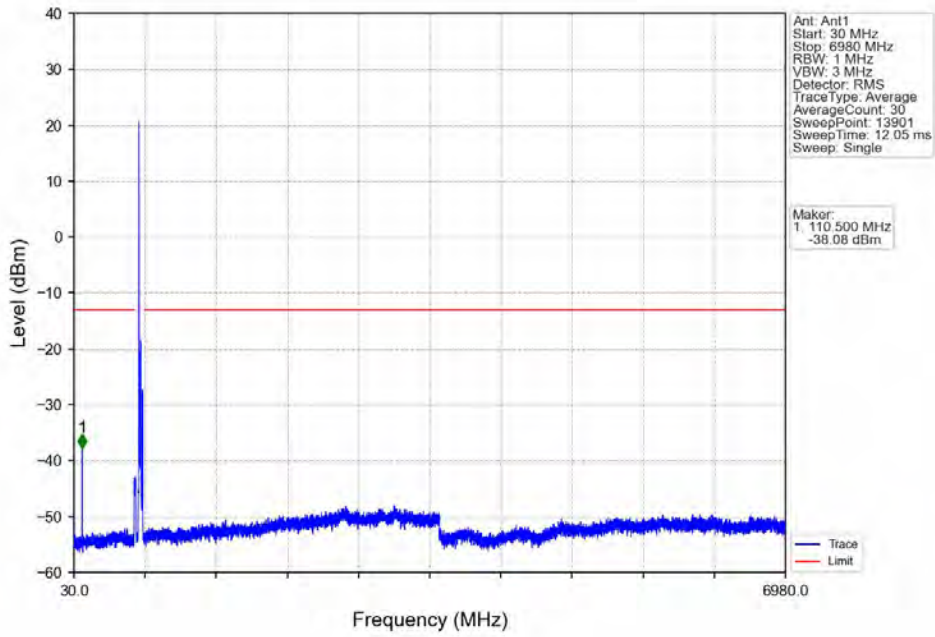
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



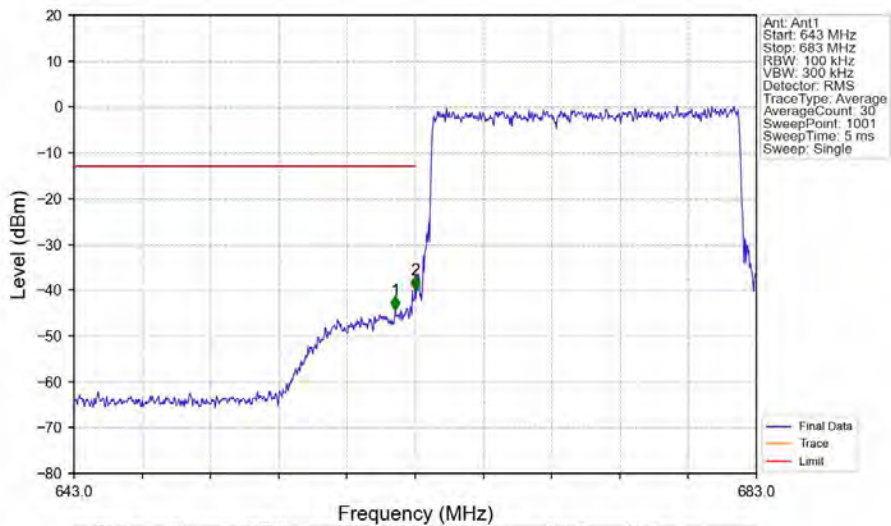
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

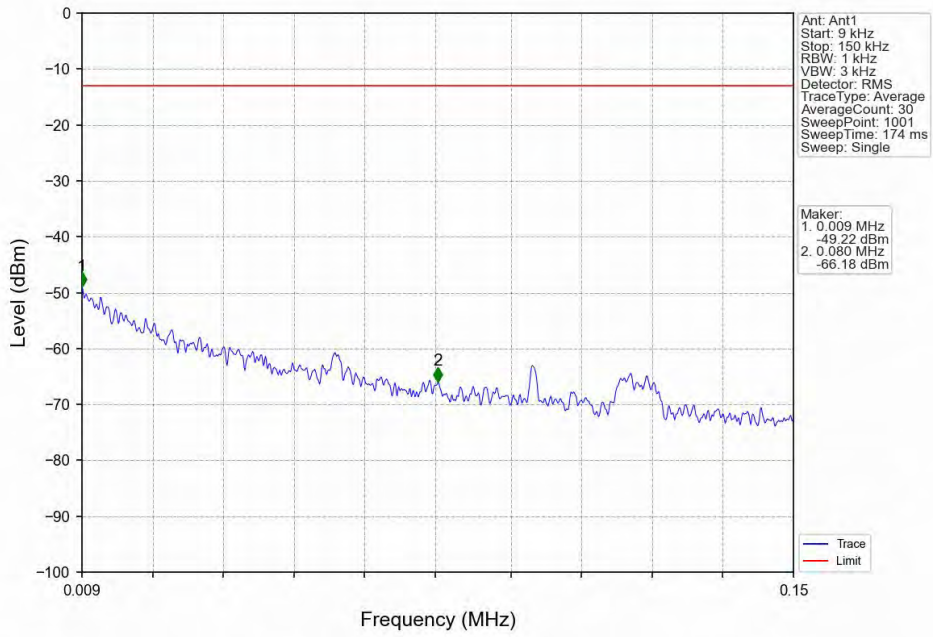


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

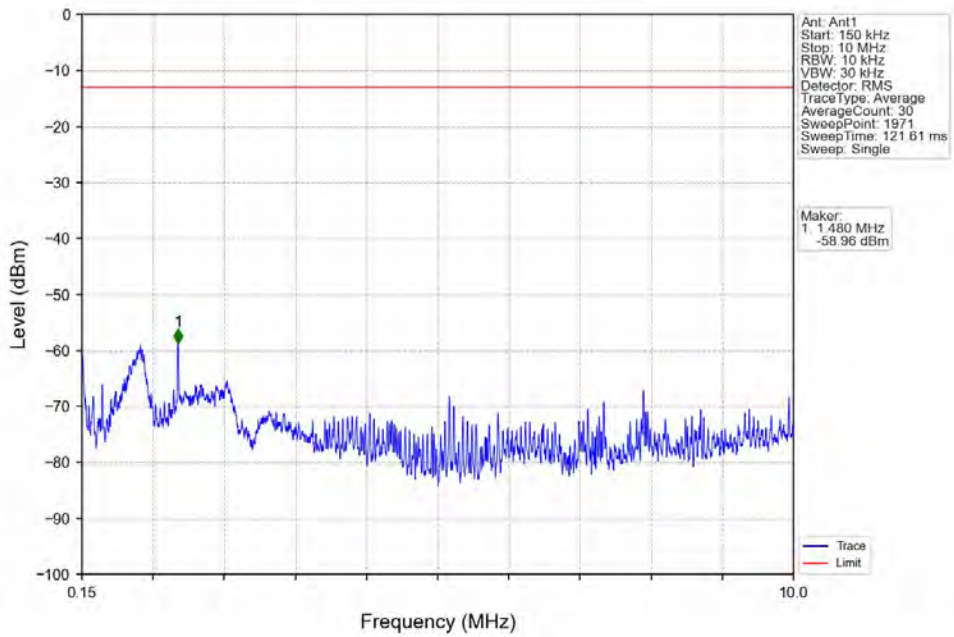


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.840	-44.36	-13	Pass
662	663	0.204	/	2	663.000	-39.97	-13	Pass
663	683	0.204	/	/	/	/	/	/

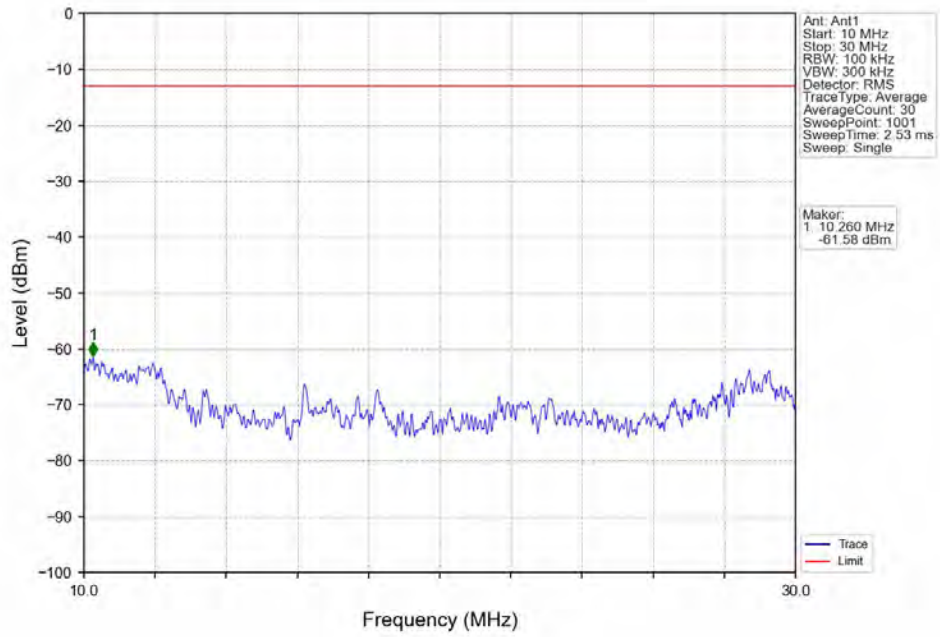
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



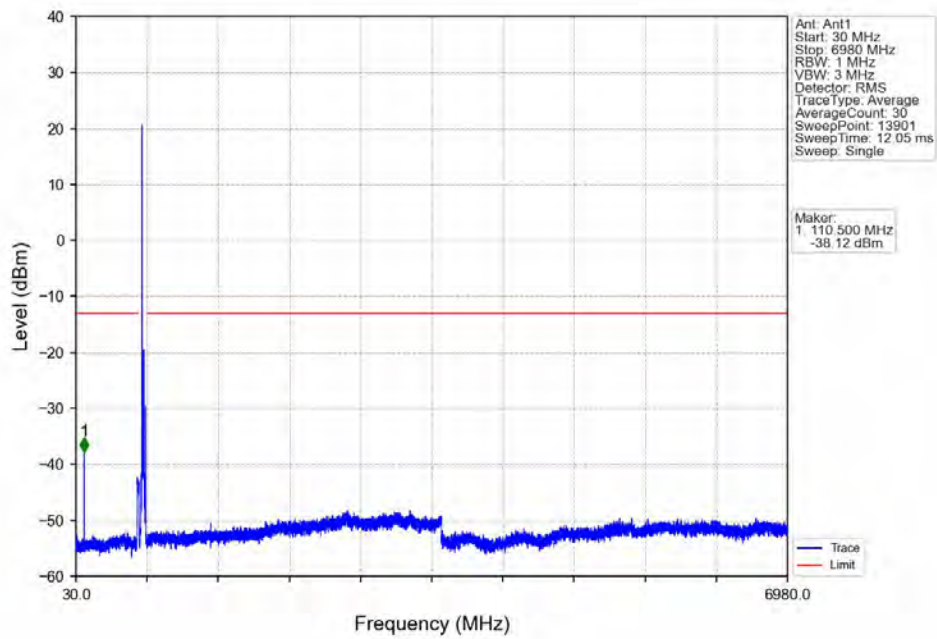
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



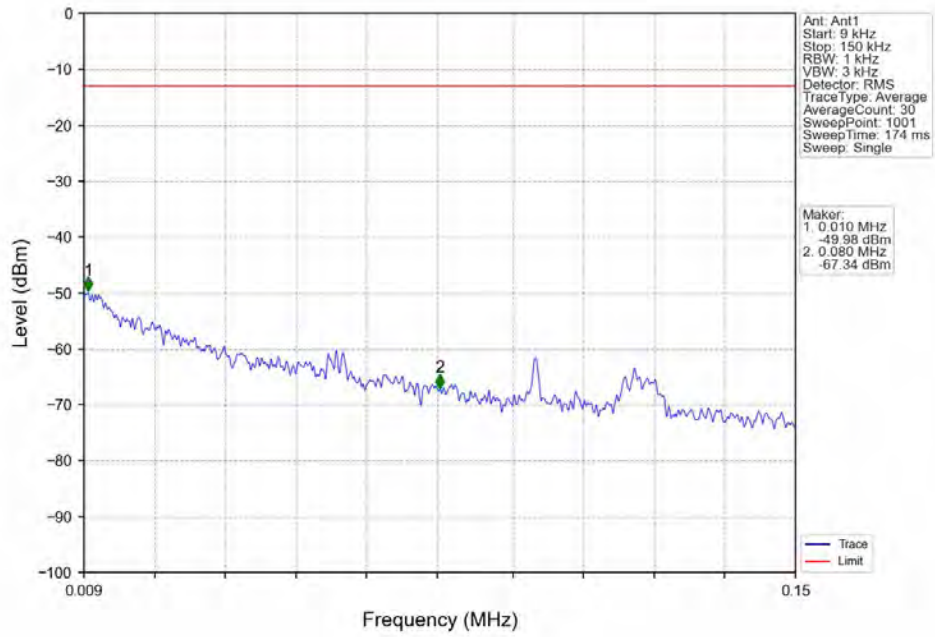
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



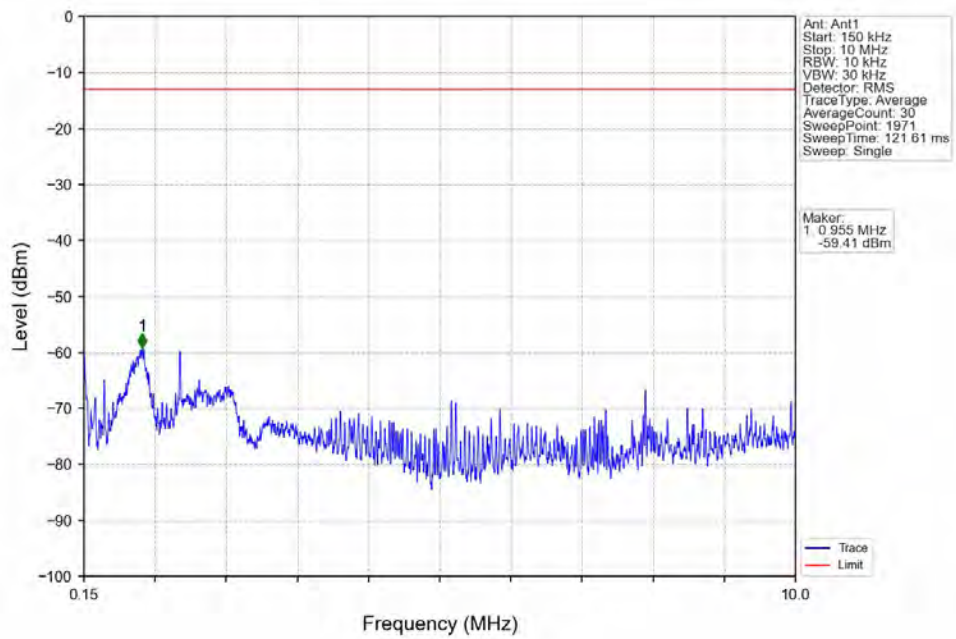
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



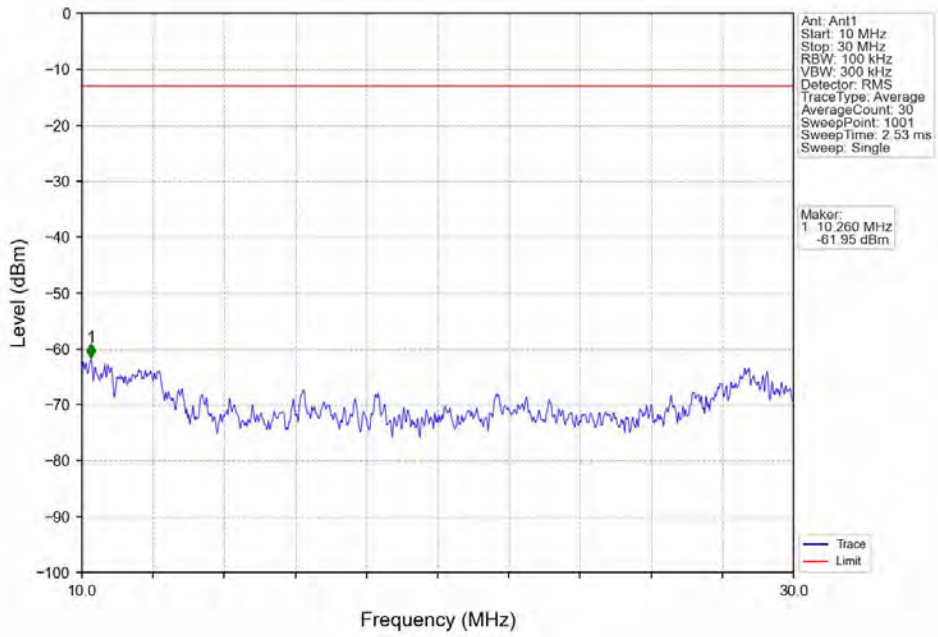
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



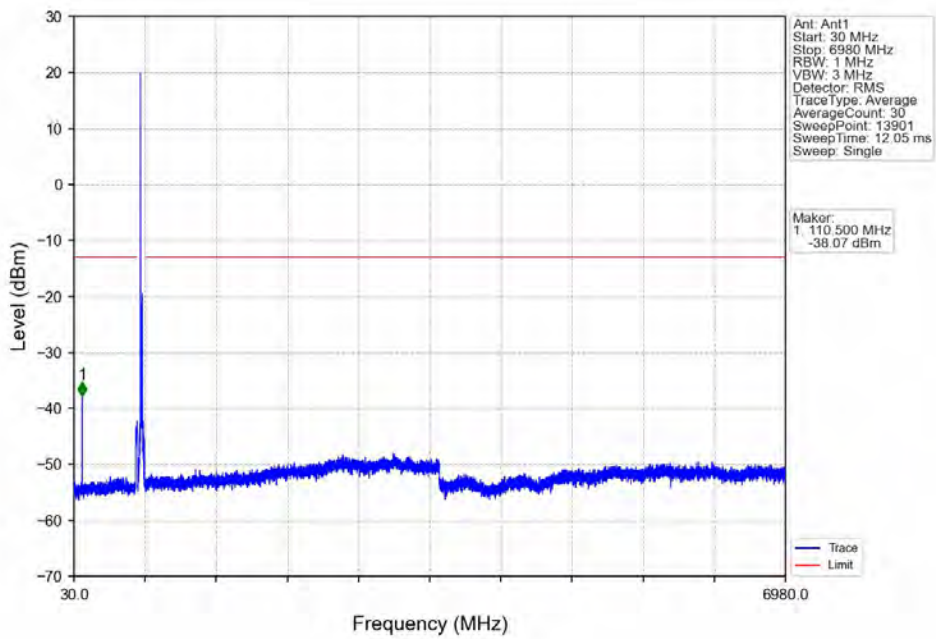
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



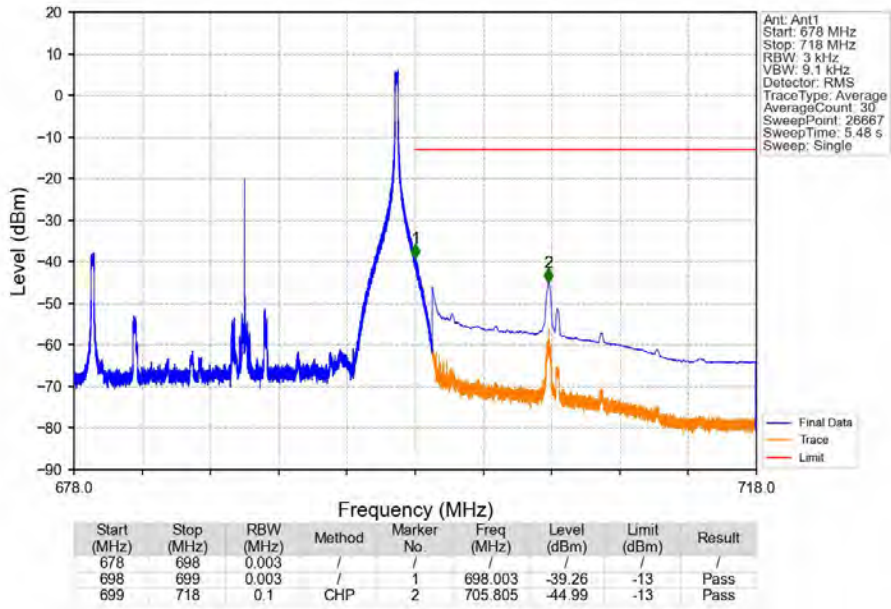
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



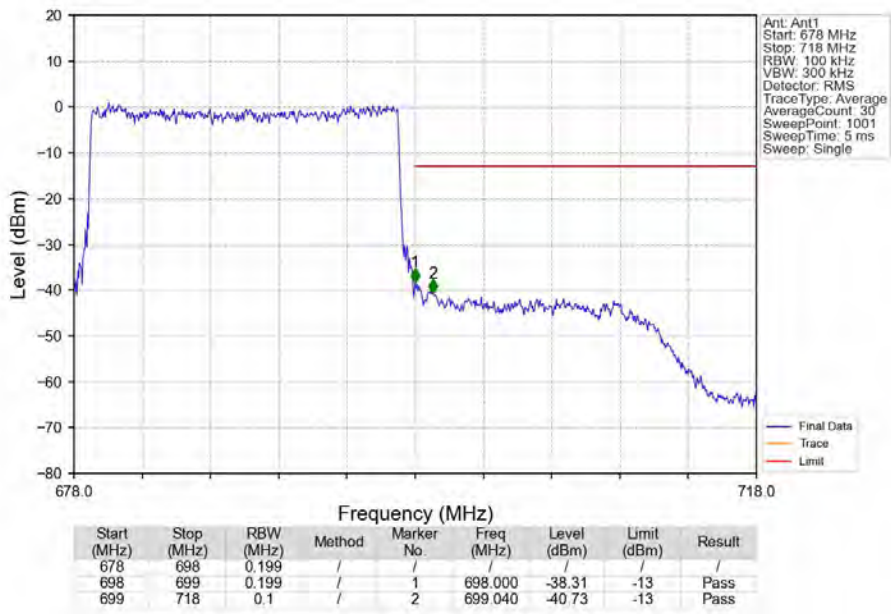
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



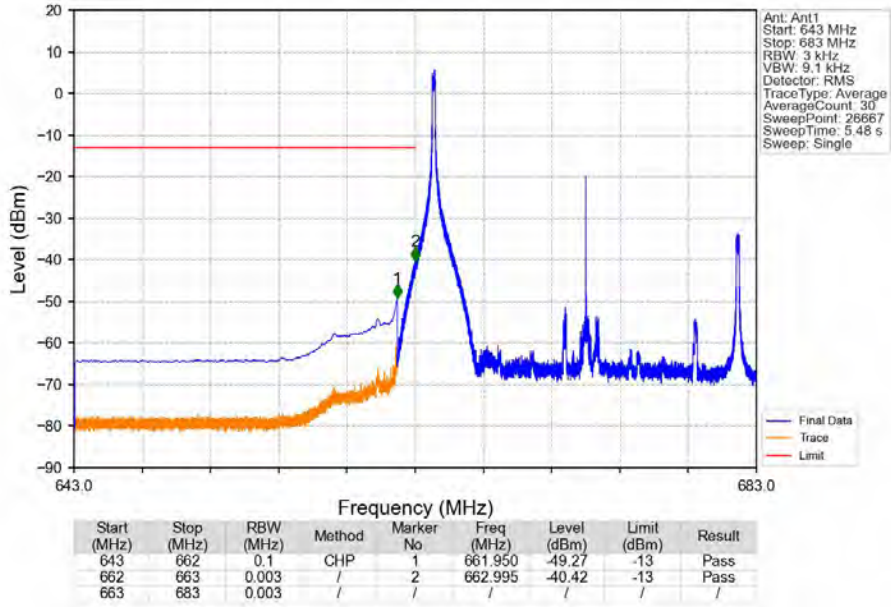
Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



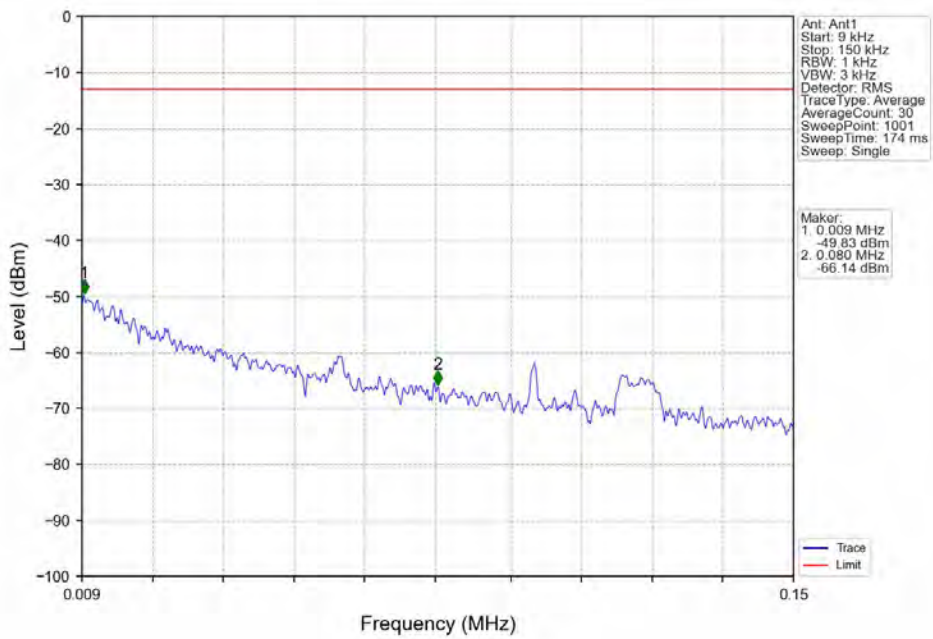
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



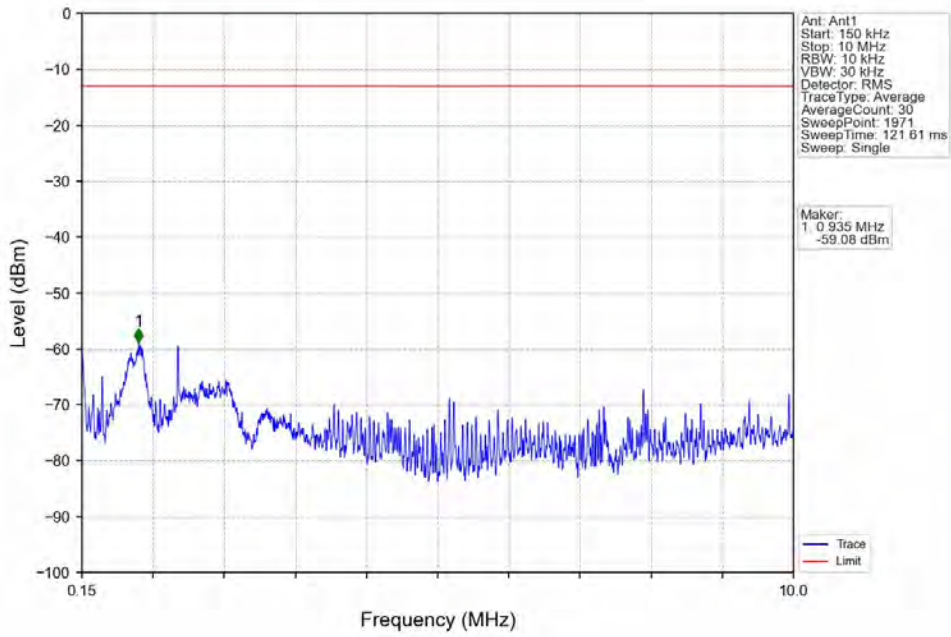
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



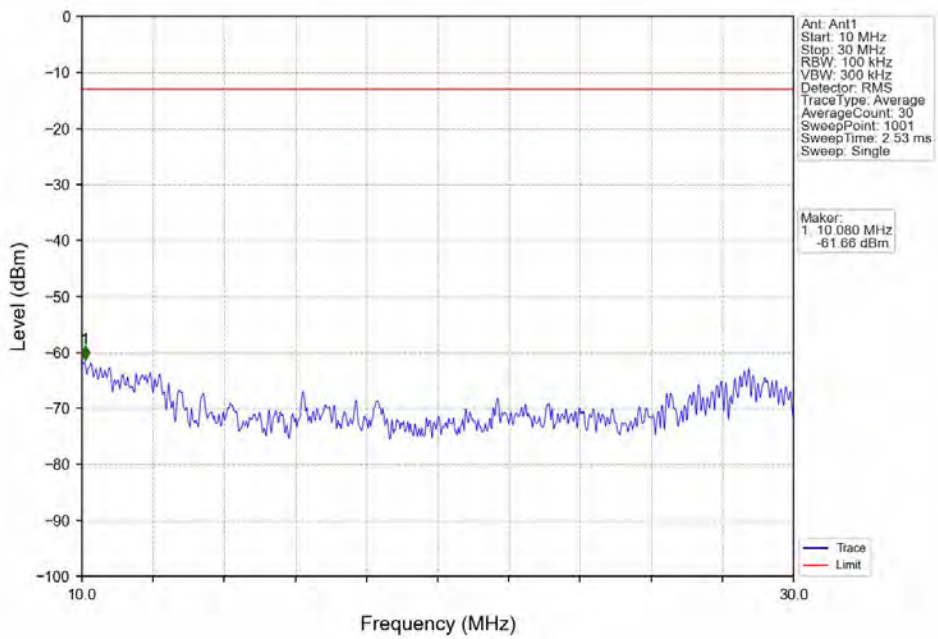
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



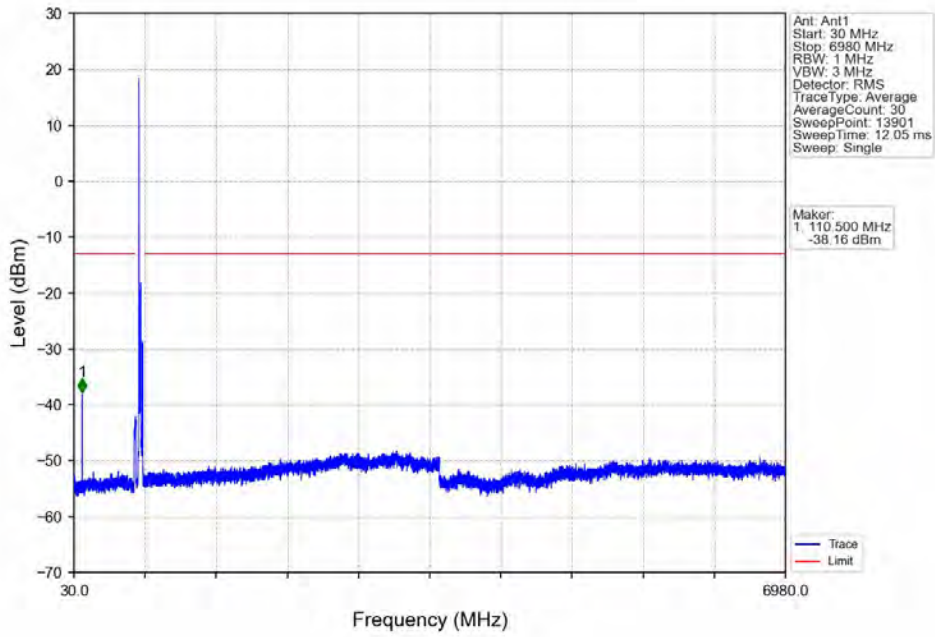
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



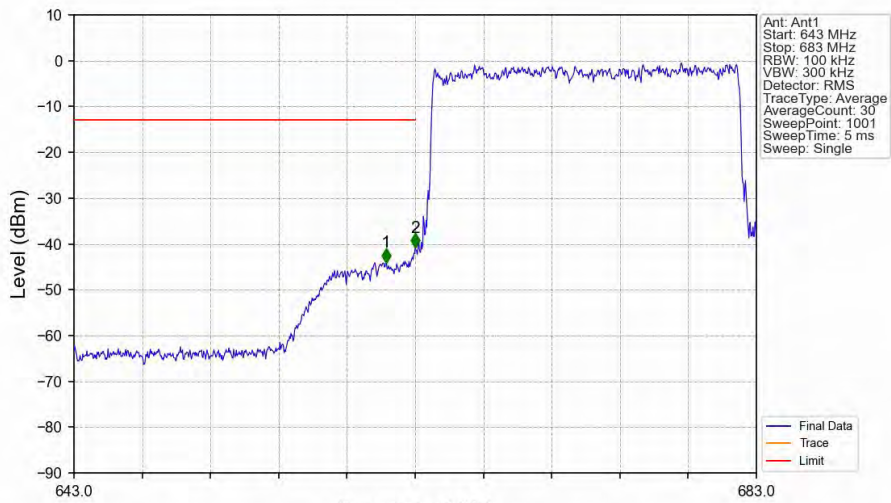
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



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

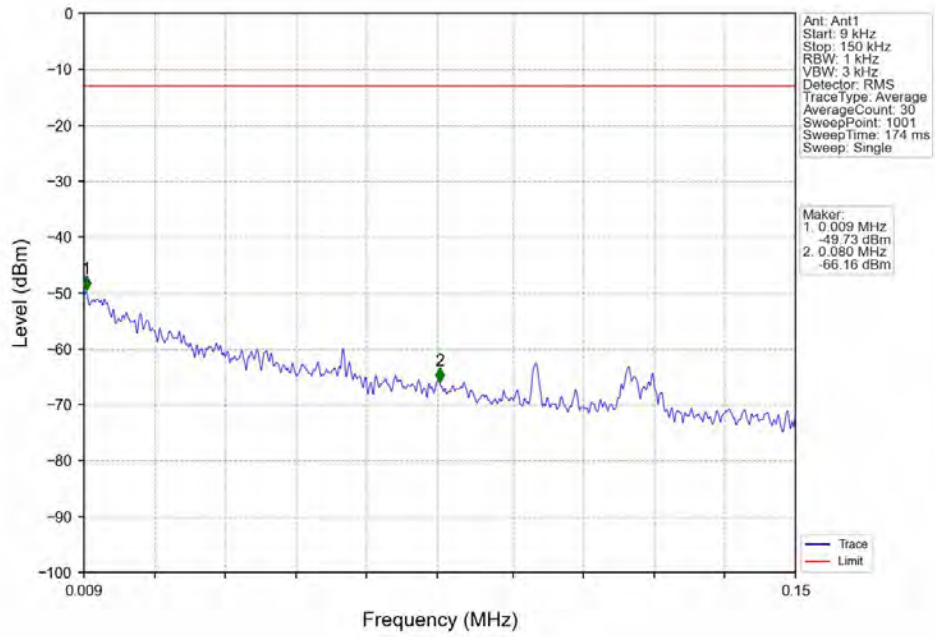


Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV

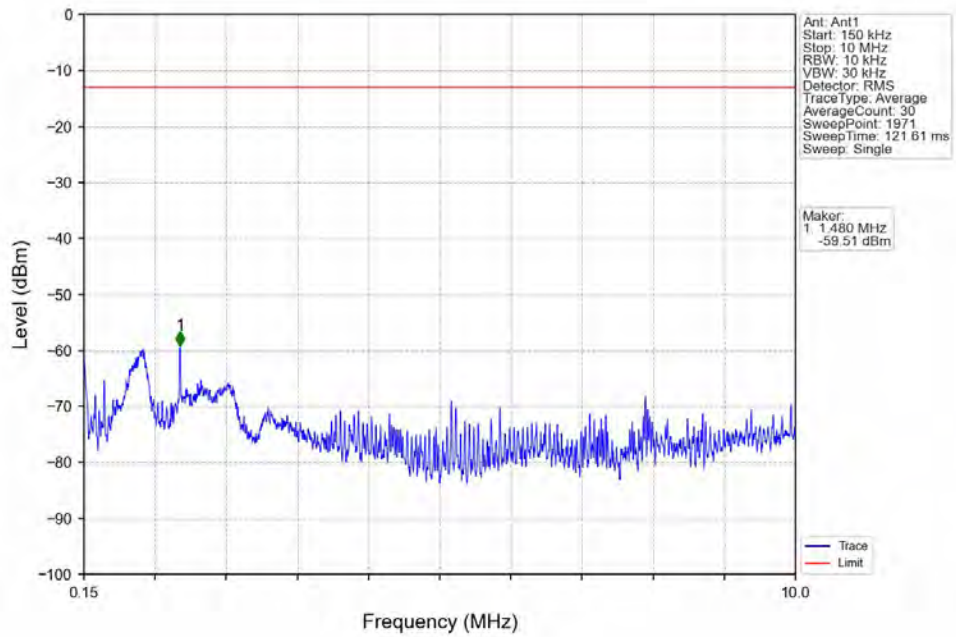


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.280	-44.06	-13	Pass
662	663	0.202	/	2	663.000	-40.79	-13	Pass
663	683	0.202	/	/	/	/	/	/

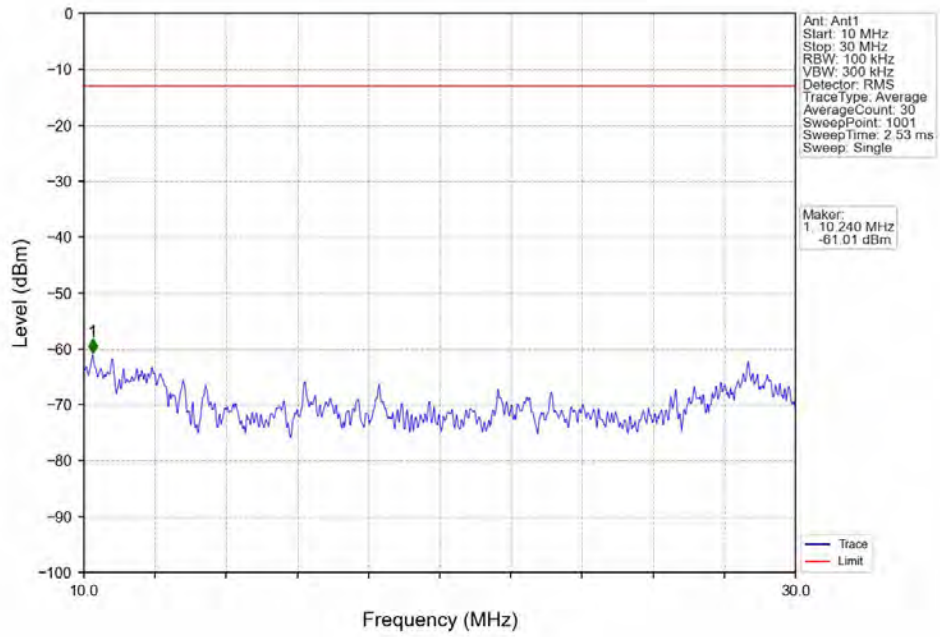
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



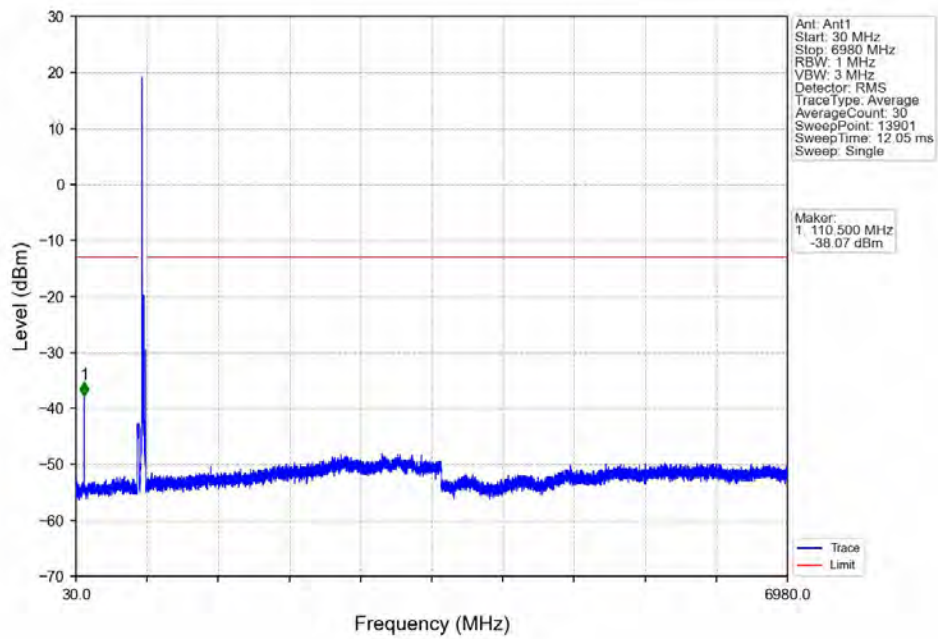
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



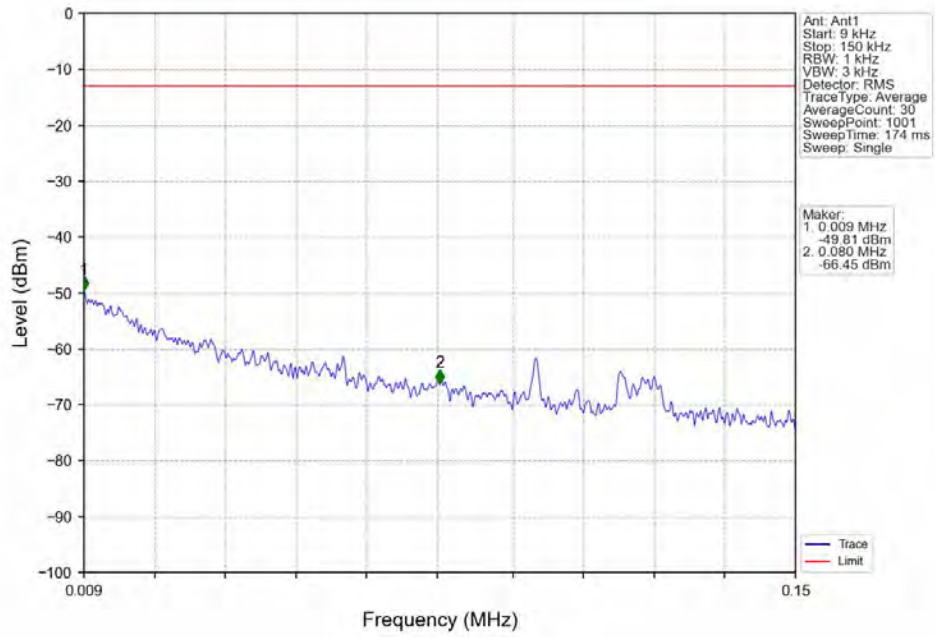
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



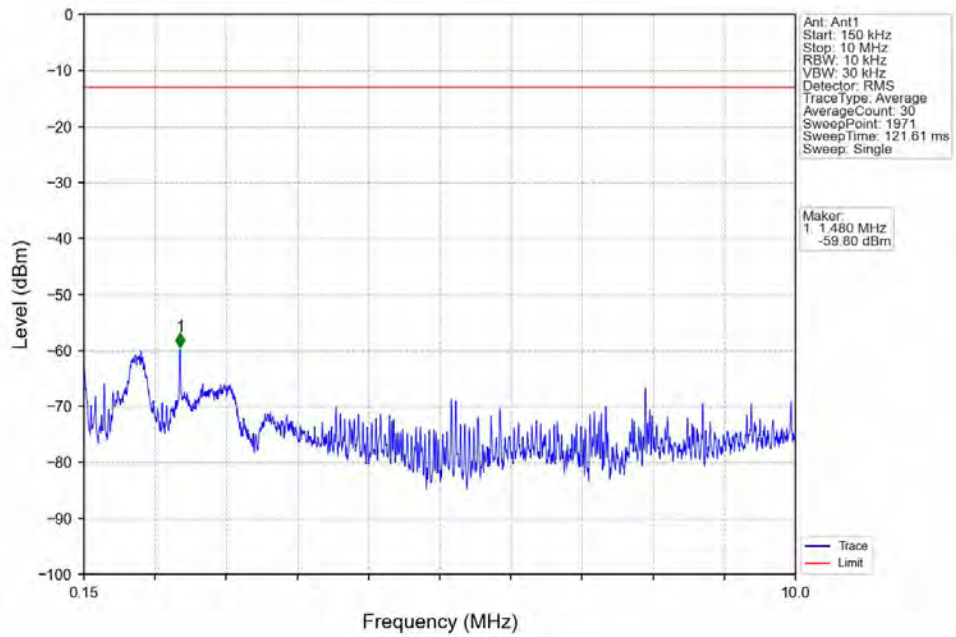
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



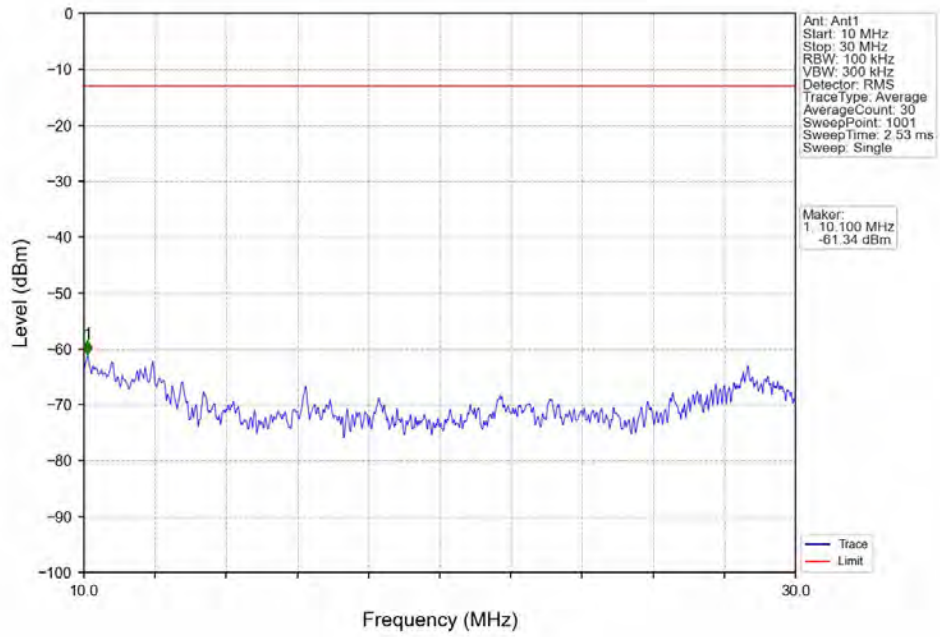
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



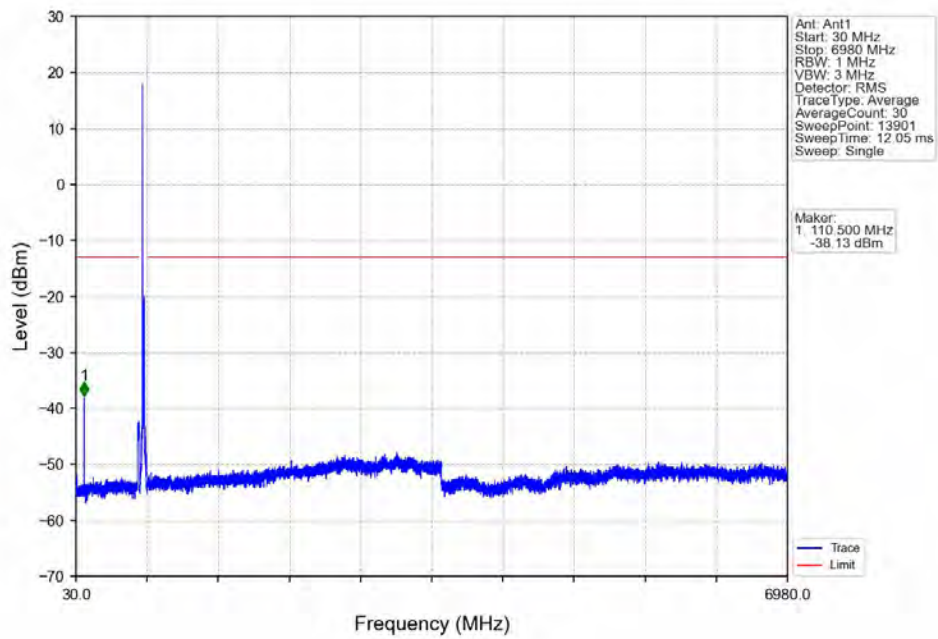
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



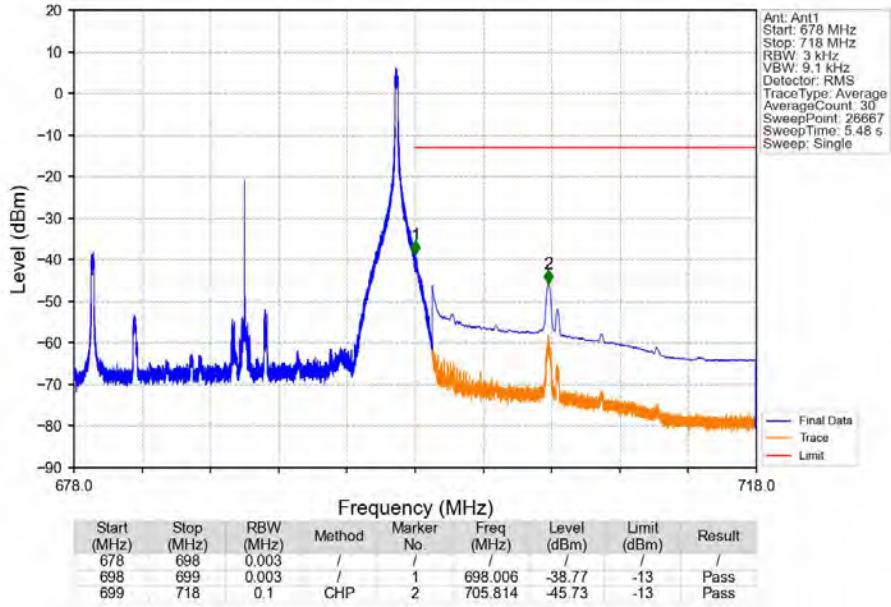
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



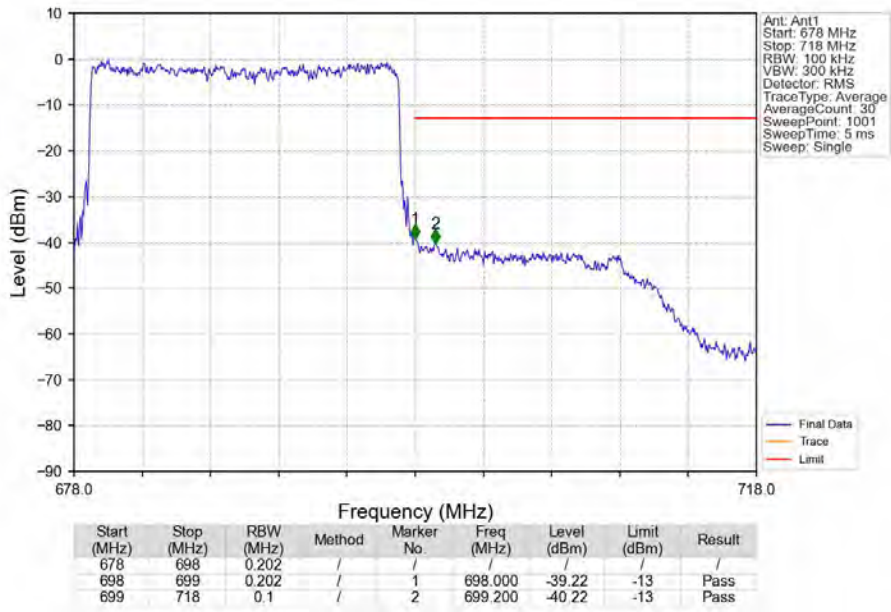
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTV



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	0.1633	0.0184	ppm	4M58G7D	27N	22.13
71	5	665.5	695.5	0.1337	0.0177	ppm	4M58W7D	27N	21.26
71	10	668	693	0.1710	0.0164	ppm	9M10G7D	27N	22.33
71	10	668	693	0.1384	0.0132	ppm	9M09W7D	27N	21.41
71	15	670.5	690.5	0.1660	0.0146	ppm	13M6G7D	27N	22.20
71	15	670.5	690.5	0.1321	0.0131	ppm	13M6W7D	27N	21.21
71	20	673	688	0.1679	0.0175	ppm	18M2G7D	27N	22.25
71	20	673	688	0.1374	0.0157	ppm	18M2W7D	27N	21.38

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	0.1094	0.0184	ppm	4M58G7D	27N	20.39
71	5	665.5	695.5	0.0895	0.0177	ppm	4M58W7D	27N	19.52
71	10	668	693	0.1146	0.0164	ppm	9M10G7D	27N	20.59
71	10	668	693	0.0927	0.0132	ppm	9M09W7D	27N	19.67
71	15	670.5	690.5	0.1112	0.0146	ppm	13M6G7D	27N	20.46
71	15	670.5	690.5	0.0885	0.0131	ppm	13M6W7D	27N	19.47
71	20	673	688	0.1125	0.0175	ppm	18M2G7D	27N	20.51
71	20	673	688	0.0920	0.0157	ppm	18M2W7D	27N	19.64