

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	23.35	-4.30	22.32	<=34.77	Pass		
			13	23.46	-4.30	22.43	<=34.77	Pass		
			24	23.38	-4.30	22.35	<=34.77	Pass		
		12	0	22.24	-4.30	21.21	<=34.77	Pass		
			6	22.42	-4.30	21.39	<=34.77	Pass		
			13	22.34	-4.30	21.31	<=34.77	Pass		
		25	0	22.33	-4.30	21.30	<=34.77	Pass		
		680.5	1	0	22.91	-4.30	21.88	<=34.77	Pass	
				13	22.74	-4.30	21.71	<=34.77	Pass	
	24			22.64	-4.30	21.61	<=34.77	Pass		
	12		0	21.73	-4.30	20.70	<=34.77	Pass		
			6	21.70	-4.30	20.67	<=34.77	Pass		
			13	21.66	-4.30	20.63	<=34.77	Pass		
	25		0	21.74	-4.30	20.71	<=34.77	Pass		
	695.5		1	0	22.57	-4.30	21.54	<=34.77	Pass	
				13	22.70	-4.30	21.67	<=34.77	Pass	
		24		22.72	-4.30	21.69	<=34.77	Pass		
		12	0	21.65	-4.30	20.62	<=34.77	Pass		
			6	21.67	-4.30	20.64	<=34.77	Pass		
			13	21.65	-4.30	20.62	<=34.77	Pass		
		25	0	21.67	-4.30	20.64	<=34.77	Pass		
		16QAM	665.5	1	0	22.11	-4.30	21.08	<=34.77	Pass
					13	22.12	-4.30	21.09	<=34.77	Pass
	24				21.91	-4.30	20.88	<=34.77	Pass	
	12			0	20.83	-4.30	19.80	<=34.77	Pass	
				6	20.97	-4.30	19.94	<=34.77	Pass	
				13	20.83	-4.30	19.80	<=34.77	Pass	
25	0			20.80	-4.30	19.77	<=34.77	Pass		
680.5	1			0	21.72	-4.30	20.69	<=34.77	Pass	
				13	21.77	-4.30	20.74	<=34.77	Pass	
			24	21.68	-4.30	20.65	<=34.77	Pass		
	12		0	20.65	-4.30	19.62	<=34.77	Pass		
			6	20.67	-4.30	19.64	<=34.77	Pass		
			13	20.63	-4.30	19.60	<=34.77	Pass		
	25		0	20.68	-4.30	19.65	<=34.77	Pass		
	695.5		1	0	21.75	-4.30	20.72	<=34.77	Pass	
				13	21.91	-4.30	20.88	<=34.77	Pass	
24				21.87	-4.30	20.84	<=34.77	Pass		
12			0	20.67	-4.30	19.64	<=34.77	Pass		
			6	20.68	-4.30	19.65	<=34.77	Pass		
			13	20.66	-4.30	19.63	<=34.77	Pass		
25			0	20.63	-4.30	19.60	<=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	23.51	-4.30	22.48	<=34.77	Pass
			25	23.65	-4.30	22.62	<=34.77	Pass
			49	23.35	-4.30	22.32	<=34.77	Pass
		25	0	22.40	-4.30	21.37	<=34.77	Pass
			13	22.48	-4.30	21.45	<=34.77	Pass
			25	22.44	-4.30	21.41	<=34.77	Pass
	50	0	22.31	-4.30	21.28	<=34.77	Pass	
	680.5	1	0	22.75	-4.30	21.72	<=34.77	Pass
			25	22.82	-4.30	21.79	<=34.77	Pass
			49	22.67	-4.30	21.64	<=34.77	Pass
		25	0	21.80	-4.30	20.77	<=34.77	Pass
			13	21.81	-4.30	20.78	<=34.77	Pass
			25	21.73	-4.30	20.70	<=34.77	Pass
	50	0	21.79	-4.30	20.76	<=34.77	Pass	
	693	1	0	22.66	-4.30	21.63	<=34.77	Pass
			25	22.71	-4.30	21.68	<=34.77	Pass
			49	22.79	-4.30	21.76	<=34.77	Pass
		25	0	21.72	-4.30	20.69	<=34.77	Pass
13			21.72	-4.30	20.69	<=34.77	Pass	
25			21.65	-4.30	20.62	<=34.77	Pass	
50	0	21.70	-4.30	20.67	<=34.77	Pass		
16QAM	668	1	0	21.85	-4.30	20.82	<=34.77	Pass
			25	22.11	-4.30	21.08	<=34.77	Pass
			49	21.86	-4.30	20.83	<=34.77	Pass
		25	0	20.91	-4.30	19.88	<=34.77	Pass
			13	20.99	-4.30	19.96	<=34.77	Pass
			25	20.97	-4.30	19.94	<=34.77	Pass
	50	0	20.85	-4.30	19.82	<=34.77	Pass	
	680.5	1	0	21.86	-4.30	20.83	<=34.77	Pass
			25	21.99	-4.30	20.96	<=34.77	Pass
			49	21.80	-4.30	20.77	<=34.77	Pass
		25	0	20.76	-4.30	19.73	<=34.77	Pass
			13	20.77	-4.30	19.74	<=34.77	Pass
			25	20.68	-4.30	19.65	<=34.77	Pass
	50	0	20.70	-4.30	19.67	<=34.77	Pass	
	693	1	0	22.04	-4.30	21.01	<=34.77	Pass
			25	22.27	-4.30	21.24	<=34.77	Pass
			49	22.21	-4.30	21.18	<=34.77	Pass
		25	0	20.71	-4.30	19.68	<=34.77	Pass
13			20.72	-4.30	19.69	<=34.77	Pass	
25			20.66	-4.30	19.63	<=34.77	Pass	
50	0	20.66	-4.30	19.63	<=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	23.41	-4.30	22.38	<=34.77	Pass		
			38	23.42	-4.30	22.39	<=34.77	Pass		
			74	23.24	-4.30	22.21	<=34.77	Pass		
		36	0	22.48	-4.30	21.45	<=34.77	Pass		
			18	22.48	-4.30	21.45	<=34.77	Pass		
			39	22.52	-4.30	21.49	<=34.77	Pass		
		75	0	22.55	-4.30	21.52	<=34.77	Pass		
		680.5	1	0	22.95	-4.30	21.92	<=34.77	Pass	
				38	22.83	-4.30	21.80	<=34.77	Pass	
	74			22.64	-4.30	21.61	<=34.77	Pass		
	36		0	21.93	-4.30	20.90	<=34.77	Pass		
			18	21.95	-4.30	20.92	<=34.77	Pass		
			39	21.74	-4.30	20.71	<=34.77	Pass		
	75		0	21.83	-4.30	20.80	<=34.77	Pass		
	690.5		1	0	22.54	-4.30	21.51	<=34.77	Pass	
				38	22.70	-4.30	21.67	<=34.77	Pass	
		74		22.72	-4.30	21.69	<=34.77	Pass		
		36	0	21.71	-4.30	20.68	<=34.77	Pass		
			18	21.75	-4.30	20.72	<=34.77	Pass		
			39	21.76	-4.30	20.73	<=34.77	Pass		
		75	0	21.74	-4.30	20.71	<=34.77	Pass		
		16QAM	670.5	1	0	22.42	-4.30	21.39	<=34.77	Pass
					38	22.38	-4.30	21.35	<=34.77	Pass
	74				22.16	-4.30	21.13	<=34.77	Pass	
36	0			21.04	-4.30	20.01	<=34.77	Pass		
	18			20.96	-4.30	19.93	<=34.77	Pass		
	39			20.91	-4.30	19.88	<=34.77	Pass		
75	0			20.89	-4.30	19.86	<=34.77	Pass		
680.5	1			0	21.80	-4.30	20.77	<=34.77	Pass	
				38	21.82	-4.30	20.79	<=34.77	Pass	
			74	21.71	-4.30	20.68	<=34.77	Pass		
	36		0	20.74	-4.30	19.71	<=34.77	Pass		
			18	20.75	-4.30	19.72	<=34.77	Pass		
			39	20.69	-4.30	19.66	<=34.77	Pass		
	75		0	20.74	-4.30	19.71	<=34.77	Pass		
	690.5		1	0	22.02	-4.30	20.99	<=34.77	Pass	
				38	22.11	-4.30	21.08	<=34.77	Pass	
74				22.18	-4.30	21.15	<=34.77	Pass		
36			0	20.68	-4.30	19.65	<=34.77	Pass		
			18	20.71	-4.30	19.68	<=34.77	Pass		
			39	20.70	-4.30	19.67	<=34.77	Pass		
75			0	20.68	-4.30	19.65	<=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	23.15	-4.30	22.12	<=34.77	Pass		
			50	23.42	-4.30	22.39	<=34.77	Pass		
			99	22.95	-4.30	21.92	<=34.77	Pass		
		50	0	22.34	-4.30	21.31	<=34.77	Pass		
			25	22.35	-4.30	21.32	<=34.77	Pass		
			50	22.31	-4.30	21.28	<=34.77	Pass		
		100	0	22.33	-4.30	21.30	<=34.77	Pass		
		683	1	0	22.95	-4.30	21.92	<=34.77	Pass	
				50	23.25	-4.30	22.22	<=34.77	Pass	
	99			22.70	-4.30	21.67	<=34.77	Pass		
	50		0	22.06	-4.30	21.03	<=34.77	Pass		
			25	22.05	-4.30	21.02	<=34.77	Pass		
			50	21.73	-4.30	20.70	<=34.77	Pass		
	100		0	21.79	-4.30	20.76	<=34.77	Pass		
	688		1	0	22.62	-4.30	21.59	<=34.77	Pass	
				50	22.79	-4.30	21.76	<=34.77	Pass	
		99		22.55	-4.30	21.52	<=34.77	Pass		
		50	0	21.69	-4.30	20.66	<=34.77	Pass		
			25	21.66	-4.30	20.63	<=34.77	Pass		
			50	21.59	-4.30	20.56	<=34.77	Pass		
		100	0	21.66	-4.30	20.63	<=34.77	Pass		
		16QAM	673	1	0	22.29	-4.30	21.26	<=34.77	Pass
					50	22.65	-4.30	21.62	<=34.77	Pass
	99				22.26	-4.30	21.23	<=34.77	Pass	
50	0			21.29	-4.30	20.26	<=34.77	Pass		
	25			21.29	-4.30	20.26	<=34.77	Pass		
	50			21.22	-4.30	20.19	<=34.77	Pass		
100	0			21.30	-4.30	20.27	<=34.77	Pass		
683	1			0	21.96	-4.30	20.93	<=34.77	Pass	
				50	22.26	-4.30	21.23	<=34.77	Pass	
			99	21.94	-4.30	20.91	<=34.77	Pass		
	50		0	20.68	-4.30	19.65	<=34.77	Pass		
			25	20.74	-4.30	19.71	<=34.77	Pass		
			50	20.64	-4.30	19.61	<=34.77	Pass		
	100		0	20.68	-4.30	19.65	<=34.77	Pass		
	688		1	0	21.62	-4.30	20.59	<=34.77	Pass	
				50	21.88	-4.30	20.85	<=34.77	Pass	
99				21.68	-4.30	20.65	<=34.77	Pass		
50			0	20.66	-4.30	19.63	<=34.77	Pass		
			25	20.61	-4.30	19.58	<=34.77	Pass		
			50	20.53	-4.30	19.50	<=34.77	Pass		
100			0	20.62	-4.30	19.59	<=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	-10.972	-0.0165	-2.5 to 2.5	Pass
					3.85	-4.520	-0.0068	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-11.015	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-13.018	-0.0196	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0080	-2.5 to 2.5	Pass
	40	3.85	-4.377	-0.0066	-2.5 to 2.5	Pass			
	50	3.85	-10.657	-0.0160	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-5.007	-0.0074	-2.5 to 2.5	Pass
					3.85	-10.815	-0.0159	-2.5 to 2.5	Pass
					4.43	-10.428	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-11.301	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-6.623	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-11.187	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-7.224	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-9.470	-0.0139	-2.5 to 2.5	Pass
	40	3.85	-13.018	-0.0191	-2.5 to 2.5	Pass			
	50	3.85	-5.136	-0.0075	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-9.842	-0.0142	-2.5 to 2.5	Pass
					3.85	-11.573	-0.0166	-2.5 to 2.5	Pass
					4.43	-6.237	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0070	-2.5 to 2.5	Pass
-10				3.85	-5.021	-0.0072	-2.5 to 2.5	Pass	
0				3.85	-9.384	-0.0135	-2.5 to 2.5	Pass	
10				3.85	-8.254	-0.0119	-2.5 to 2.5	Pass	
30				3.85	-6.723	-0.0097	-2.5 to 2.5	Pass	
40	3.85	-7.439	-0.0107	-2.5 to 2.5	Pass				
50	3.85	-3.161	-0.0045	-2.5 to 2.5	Pass				
16QAM	665.5	25	0	20	3.27	-4.106	-0.0062	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0048	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-7.567	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-5.865	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-10.486	-0.0158	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-5.279	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0080	-2.5 to 2.5	Pass
	40	3.85	-3.405	-0.0051	-2.5 to 2.5	Pass			
	50	3.85	-7.696	-0.0116	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-9.913	-0.0146	-2.5 to 2.5	Pass
					3.85	-8.497	-0.0125	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-7.625	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0123	-2.5 to 2.5	Pass
10				3.85	-8.898	-0.0131	-2.5 to 2.5	Pass	

	695.5	25	0	30	3.85	-5.250	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0088	-2.5 to 2.5	Pass
				20	3.27	-8.841	-0.0127	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0111	-2.5 to 2.5	Pass
					4.43	-6.495	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-7.167	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-12.217	-0.0176	-2.5 to 2.5	Pass
				-10	3.85	-5.236	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-11.487	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-7.267	-0.0104	-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	-2.975	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0085	-2.5 to 2.5	Pass
					4.43	-5.636	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-8.082	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-9.212	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0108	-2.5 to 2.5	Pass
				680.5	50	0	20	3.27	-7.496
	3.85	-5.808	-0.0085					-2.5 to 2.5	Pass
	4.43	-4.735	-0.0070					-2.5 to 2.5	Pass
	-30	3.85	-6.051				-0.0089	-2.5 to 2.5	Pass
	-20	3.85	-7.682				-0.0113	-2.5 to 2.5	Pass
	-10	3.85	-3.347				-0.0049	-2.5 to 2.5	Pass
	0	3.85	-7.753				-0.0114	-2.5 to 2.5	Pass
	10	3.85	-9.913				-0.0146	-2.5 to 2.5	Pass
	30	3.85	-3.948				-0.0058	-2.5 to 2.5	Pass
	40	3.85	-4.578				-0.0067	-2.5 to 2.5	Pass
	50	3.85	-9.613				-0.0141	-2.5 to 2.5	Pass
	693	50	0				20	3.27	-7.195
				3.85	-7.925	-0.0114		-2.5 to 2.5	Pass
				4.43	-8.254	-0.0119		-2.5 to 2.5	Pass
				-30	3.85	-7.696	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-10.557	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0108	-2.5 to 2.5	Pass

				30	3.85	-1.230	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.419	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0097	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-5.922	-0.0089	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0088	-2.5 to 2.5	Pass
					4.43	-7.782	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-9.413	-0.0141	-2.5 to 2.5	Pass
	50	3.85	-8.411	-0.0126	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-6.452	-0.0095	-2.5 to 2.5	Pass
					3.85	-9.241	-0.0136	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-9.012	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0071	-2.5 to 2.5	Pass
	50	3.85	-11.988	-0.0176	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-8.655	-0.0125	-2.5 to 2.5	Pass
					3.85	-8.941	-0.0129	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-8.655	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-12.074	-0.0174	-2.5 to 2.5	Pass
				-10	3.85	-6.981	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-9.184	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0107	-2.5 to 2.5	Pass
30				3.85	-6.423	-0.0093	-2.5 to 2.5	Pass	
40				3.85	-7.410	-0.0107	-2.5 to 2.5	Pass	
50	3.85	-7.281	-0.0105	-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	-9.785	-0.0146	-2.5 to 2.5	Pass
					3.85	-8.154	-0.0122	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-11.344	-0.0169	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-11.745	-0.0175	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0051	-2.5 to 2.5	Pass

	680.5	75	0	30	3.85	-8.283	-0.0124	-2.5 to 2.5	Pass				
				40	3.85	-6.022	-0.0090	-2.5 to 2.5	Pass				
				50	3.85	-4.706	-0.0070	-2.5 to 2.5	Pass				
				20	3.27	-7.424	-0.0109	-2.5 to 2.5	Pass				
					3.85	-3.161	-0.0046	-2.5 to 2.5	Pass				
					4.43	-4.849	-0.0071	-2.5 to 2.5	Pass				
				-30	3.85	-8.841	-0.0130	-2.5 to 2.5	Pass				
				-20	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass				
				-10	3.85	-7.095	-0.0104	-2.5 to 2.5	Pass				
				0	3.85	-7.267	-0.0107	-2.5 to 2.5	Pass				
				10	3.85	-8.955	-0.0132	-2.5 to 2.5	Pass				
				30	3.85	-8.683	-0.0128	-2.5 to 2.5	Pass				
				40	3.85	-2.904	-0.0043	-2.5 to 2.5	Pass				
				50	3.85	-4.563	-0.0067	-2.5 to 2.5	Pass				
				690.5	75	0	20	3.27	-6.924	-0.0100	-2.5 to 2.5	Pass	
	3.85	-6.824	-0.0099					-2.5 to 2.5	Pass				
	4.43	-4.249	-0.0062					-2.5 to 2.5	Pass				
	-30	3.85	-2.747				-0.0040	-2.5 to 2.5	Pass				
	-20	3.85	-3.791				-0.0055	-2.5 to 2.5	Pass				
	-10	3.85	-5.221				-0.0076	-2.5 to 2.5	Pass				
	0	3.85	-6.766				-0.0098	-2.5 to 2.5	Pass				
	10	3.85	-5.937				-0.0086	-2.5 to 2.5	Pass				
	30	3.85	-4.635				-0.0067	-2.5 to 2.5	Pass				
	40	3.85	-6.495				-0.0094	-2.5 to 2.5	Pass				
	50	3.85	-8.640				-0.0125	-2.5 to 2.5	Pass				
	16QAM	670.5	75				0	20	3.27	-8.669	-0.0129	-2.5 to 2.5	Pass
									3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
									4.43	-7.925	-0.0118	-2.5 to 2.5	Pass
								-30	3.85	-4.206	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-5.965		-0.0089	-2.5 to 2.5	Pass			
				-10	3.85	-8.998		-0.0134	-2.5 to 2.5	Pass			
				0	3.85	-9.141		-0.0136	-2.5 to 2.5	Pass			
				10	3.85	-5.322		-0.0079	-2.5 to 2.5	Pass			
30				3.85	-4.749	-0.0071		-2.5 to 2.5	Pass				
40				3.85	-5.794	-0.0086		-2.5 to 2.5	Pass				
50				3.85	-6.208	-0.0093		-2.5 to 2.5	Pass				
680.5				75	0	20		3.27	-3.905	-0.0057	-2.5 to 2.5	Pass	
								3.85	-4.950	-0.0073	-2.5 to 2.5	Pass	
								4.43	-5.765	-0.0085	-2.5 to 2.5	Pass	
						-30		3.85	-6.723	-0.0099	-2.5 to 2.5	Pass	
		-20	3.85			-7.424	-0.0109	-2.5 to 2.5	Pass				
		-10	3.85			-8.097	-0.0119	-2.5 to 2.5	Pass				
		0	3.85			-6.509	-0.0096	-2.5 to 2.5	Pass				
		10	3.85			-5.193	-0.0076	-2.5 to 2.5	Pass				
		30	3.85			-8.368	-0.0123	-2.5 to 2.5	Pass				
		40	3.85			-6.723	-0.0099	-2.5 to 2.5	Pass				
		50	3.85			-5.765	-0.0085	-2.5 to 2.5	Pass				
		690.5	75			0	20	3.27	-9.370	-0.0136	-2.5 to 2.5	Pass	
								3.85	-5.164	-0.0075	-2.5 to 2.5	Pass	
								4.43	-2.961	-0.0043	-2.5 to 2.5	Pass	
							-30	3.85	-4.778	-0.0069	-2.5 to 2.5	Pass	
-20				3.85	-6.952		-0.0101	-2.5 to 2.5	Pass				
-10				3.85	-5.794		-0.0084	-2.5 to 2.5	Pass				
0				3.85	-5.035		-0.0073	-2.5 to 2.5	Pass				
10				3.85	-5.593		-0.0081	-2.5 to 2.5	Pass				

				30	3.85	-4.663	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0102	-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	-7.067	-0.0105	-2.5 to 2.5	Pass	
					3.85	-6.323	-0.0094	-2.5 to 2.5	Pass	
					4.43	-4.678	-0.0070	-2.5 to 2.5	Pass	
				-30	3.85	-9.413	-0.0140	-2.5 to 2.5	Pass	
					-20	3.85	-7.496	-0.0111	-2.5 to 2.5	Pass
						3.85	-4.420	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-9.942	-0.0148	-2.5 to 2.5	Pass	
					10	3.85	-5.522	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0082	-2.5 to 2.5	Pass	
	40	3.85	-8.011	-0.0119	-2.5 to 2.5	Pass				
	50	3.85	-5.336	-0.0079	-2.5 to 2.5	Pass				
	683	100	0	20	3.27	-5.150	-0.0075	-2.5 to 2.5	Pass	
					3.85	-7.210	-0.0106	-2.5 to 2.5	Pass	
					4.43	-8.955	-0.0131	-2.5 to 2.5	Pass	
				-30	3.85	-7.796	-0.0114	-2.5 to 2.5	Pass	
					-20	3.85	-5.050	-0.0074	-2.5 to 2.5	Pass
						3.85	-9.212	-0.0135	-2.5 to 2.5	Pass
				0	3.85	-9.842	-0.0144	-2.5 to 2.5	Pass	
					10	3.85	-9.284	-0.0136	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0052	-2.5 to 2.5	Pass	
	40	3.85	-7.081	-0.0104	-2.5 to 2.5	Pass				
	50	3.85	-7.639	-0.0112	-2.5 to 2.5	Pass				
	688	100	0	20	3.27	-6.108	-0.0089	-2.5 to 2.5	Pass	
					3.85	-9.770	-0.0142	-2.5 to 2.5	Pass	
					4.43	-9.084	-0.0132	-2.5 to 2.5	Pass	
				-30	3.85	-7.639	-0.0111	-2.5 to 2.5	Pass	
					-20	3.85	-7.811	-0.0114	-2.5 to 2.5	Pass
3.85						-9.155	-0.0133	-2.5 to 2.5	Pass	
-10				3.85	-9.270	-0.0135	-2.5 to 2.5	Pass		
				10	3.85	-5.178	-0.0075	-2.5 to 2.5	Pass	
30				3.85	-7.625	-0.0111	-2.5 to 2.5	Pass		
40	3.85	-10.414	-0.0151	-2.5 to 2.5	Pass					
50	3.85	-9.499	-0.0138	-2.5 to 2.5	Pass					
16QAM	673	100	0	20	3.27	-6.151	-0.0091	-2.5 to 2.5	Pass	
					3.85	-7.153	-0.0106	-2.5 to 2.5	Pass	
					4.43	-3.877	-0.0058	-2.5 to 2.5	Pass	
				-30	3.85	-6.423	-0.0095	-2.5 to 2.5	Pass	
					3.85	-6.022	-0.0089	-2.5 to 2.5	Pass	
				-10	3.85	-7.982	-0.0119	-2.5 to 2.5	Pass	
0	3.85	-5.836	-0.0087	-2.5 to 2.5	Pass					
10	3.85	-8.197	-0.0122	-2.5 to 2.5	Pass					

	683	100	0	30	3.85	-8.268	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-8.783	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-6.051	-0.0090	-2.5 to 2.5	Pass
				20	3.27	-11.759	-0.0172	-2.5 to 2.5	Pass
					3.85	-3.662	-0.0054	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-5.279	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-7.782	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-10.901	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-9.885	-0.0145	-2.5 to 2.5	Pass
	40	3.85	-10.157	-0.0149	-2.5 to 2.5	Pass			
	50	3.85	-8.755	-0.0128	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-4.463	-0.0065	-2.5 to 2.5	Pass
					3.85	-8.354	-0.0121	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-8.669	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-8.626	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-8.783	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-8.483	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-8.268	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-7.496	-0.0109	-2.5 to 2.5	Pass
50				3.85	-6.351	-0.0092	-2.5 to 2.5	Pass	

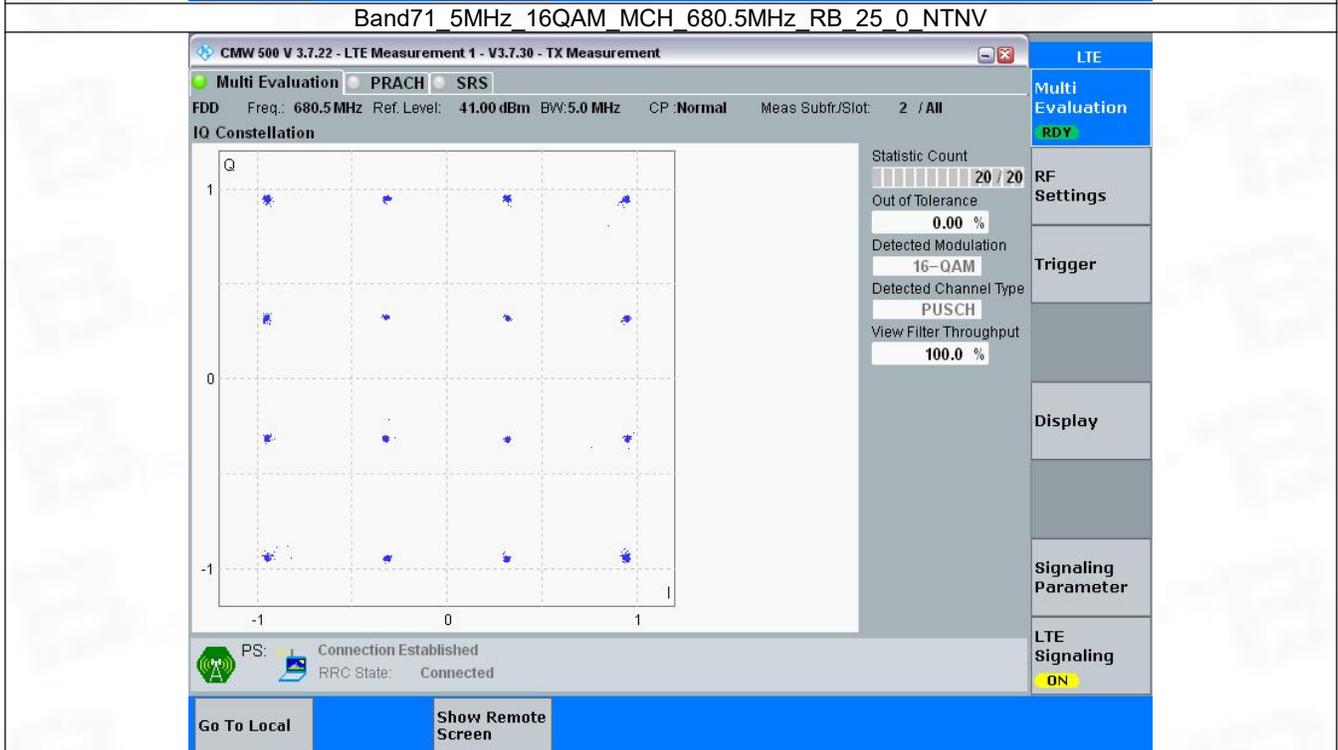
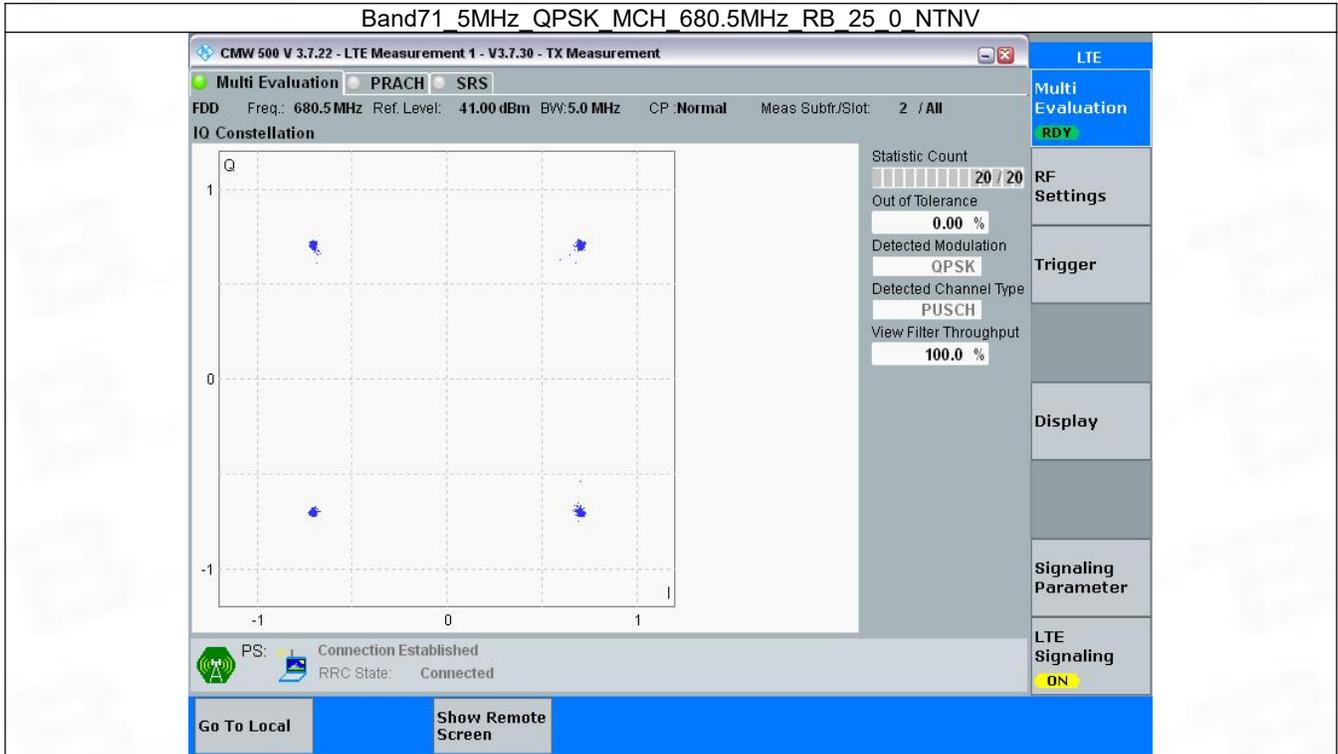
3. Modulation Characteristics

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

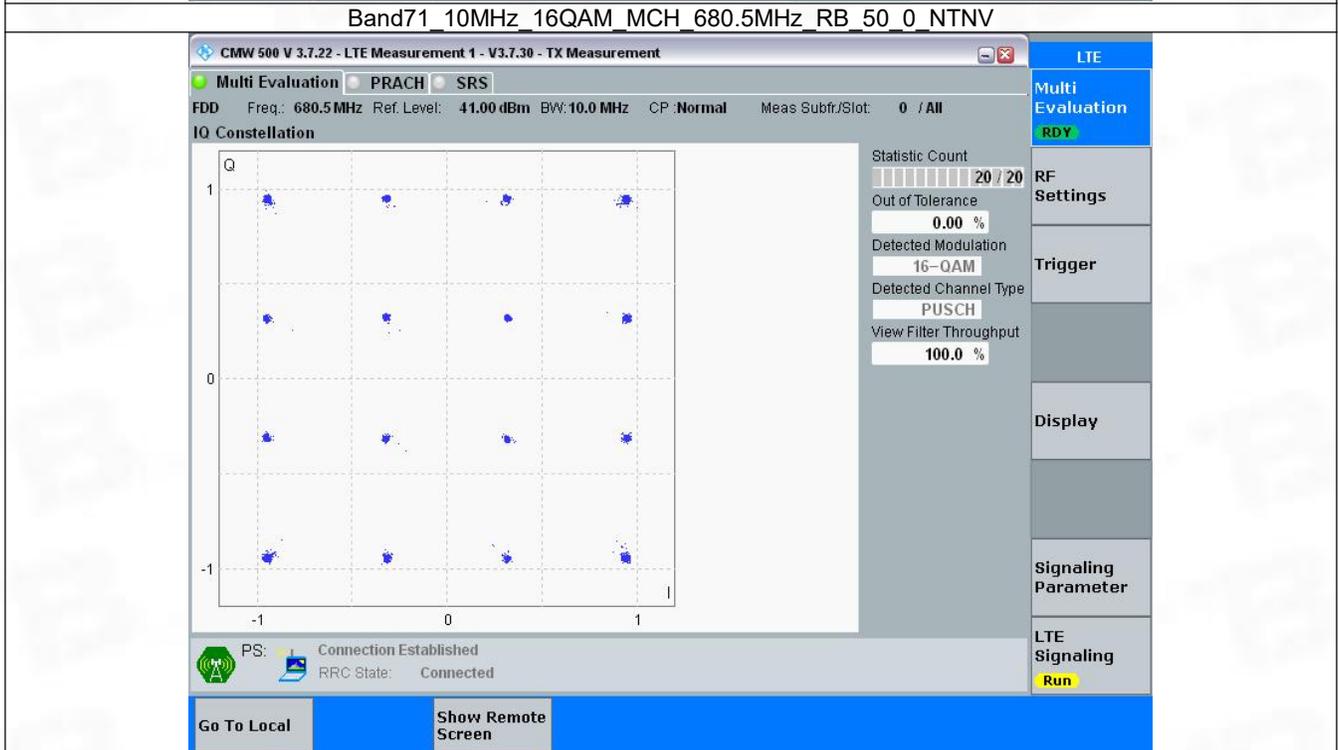
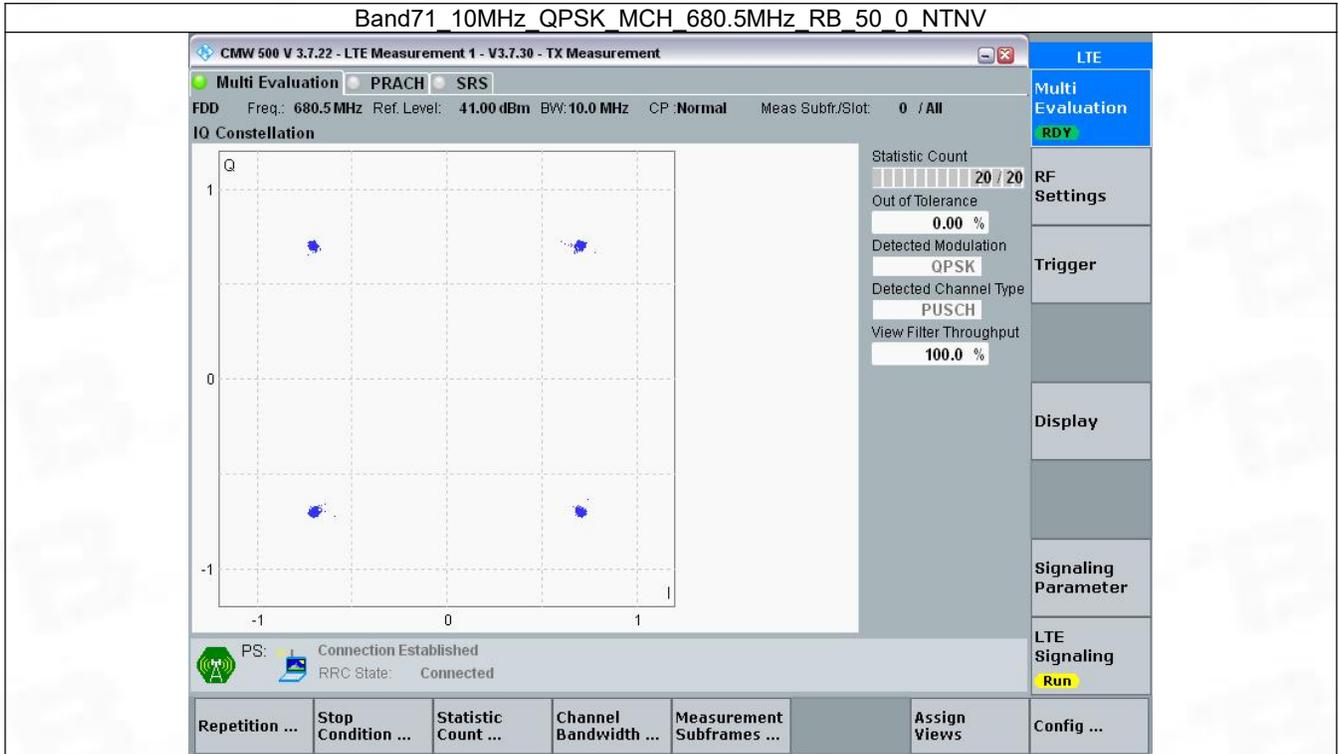


3.2 B71_10MHz

3.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTN						
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

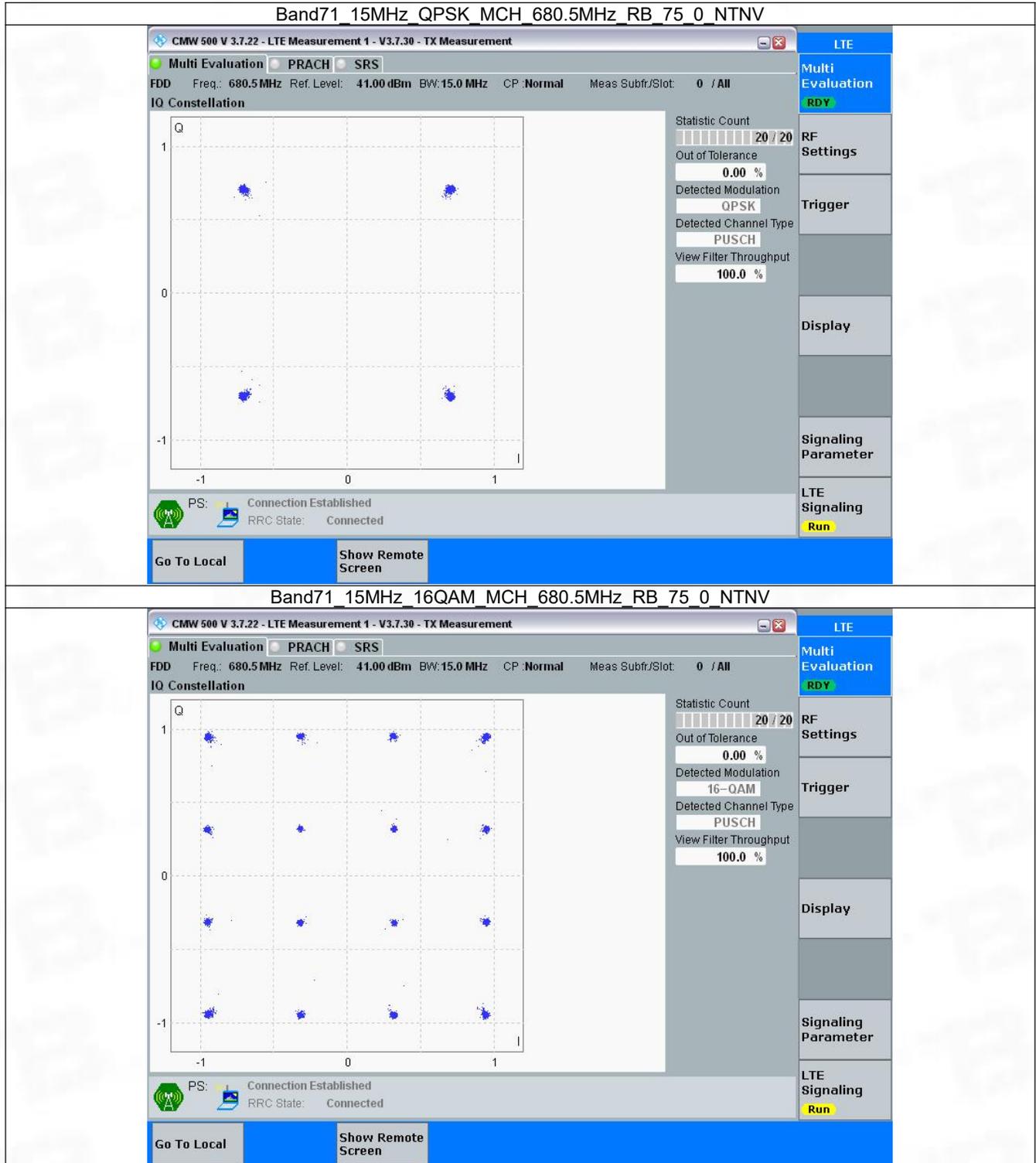


3.3 B71_15MHz

3.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTN						
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

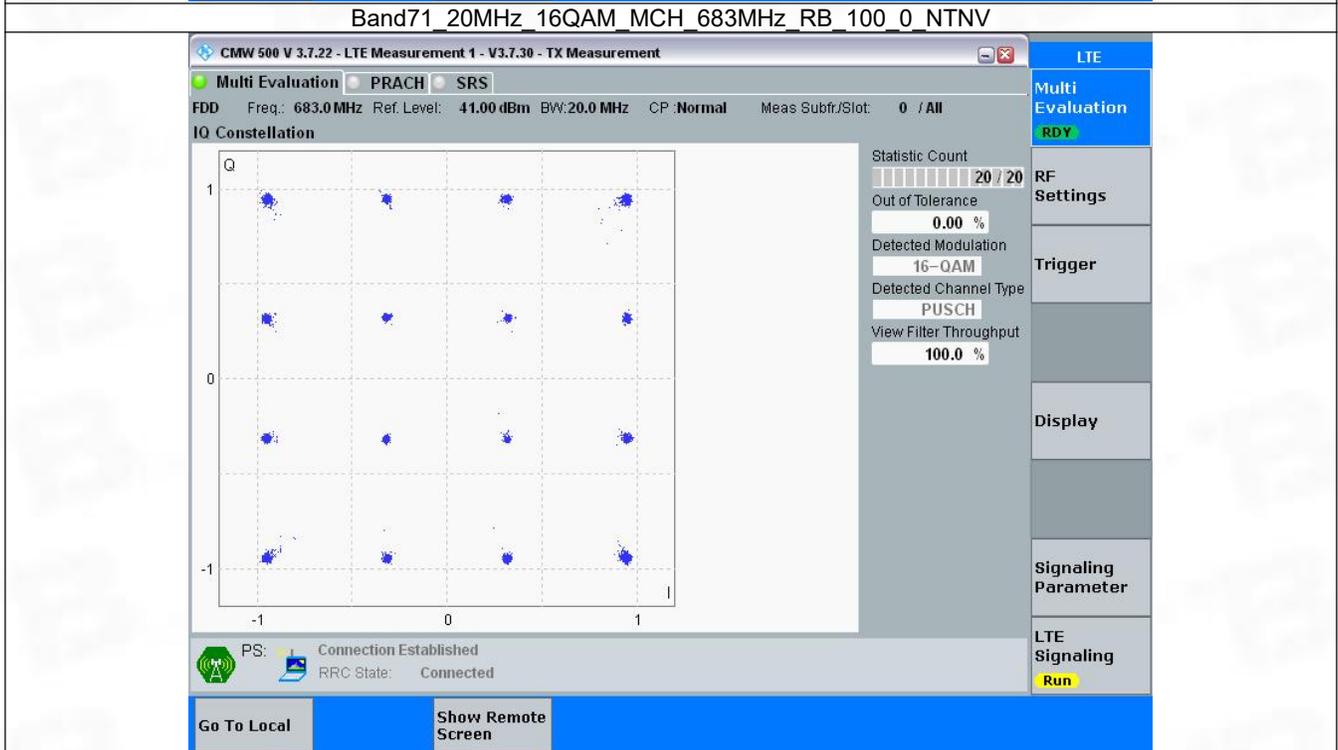
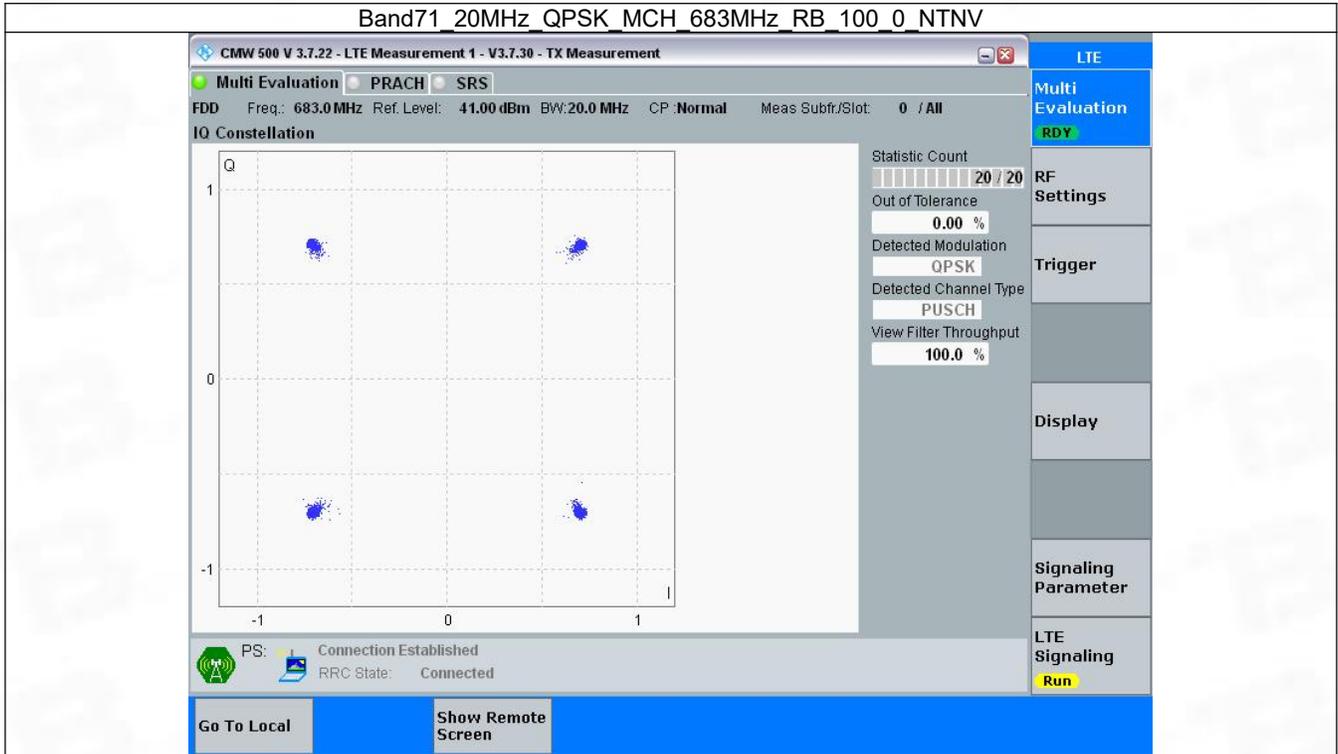


3.4 B71_20MHz

3.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTN						
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



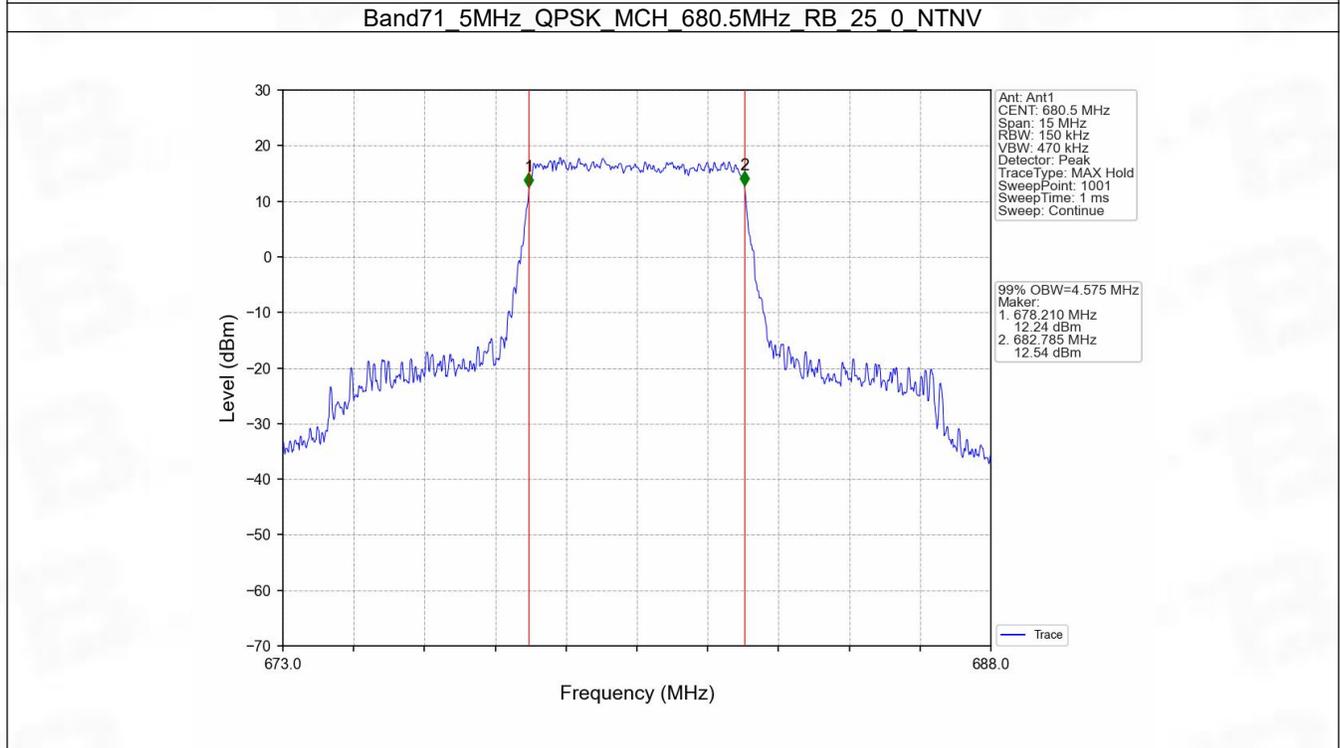
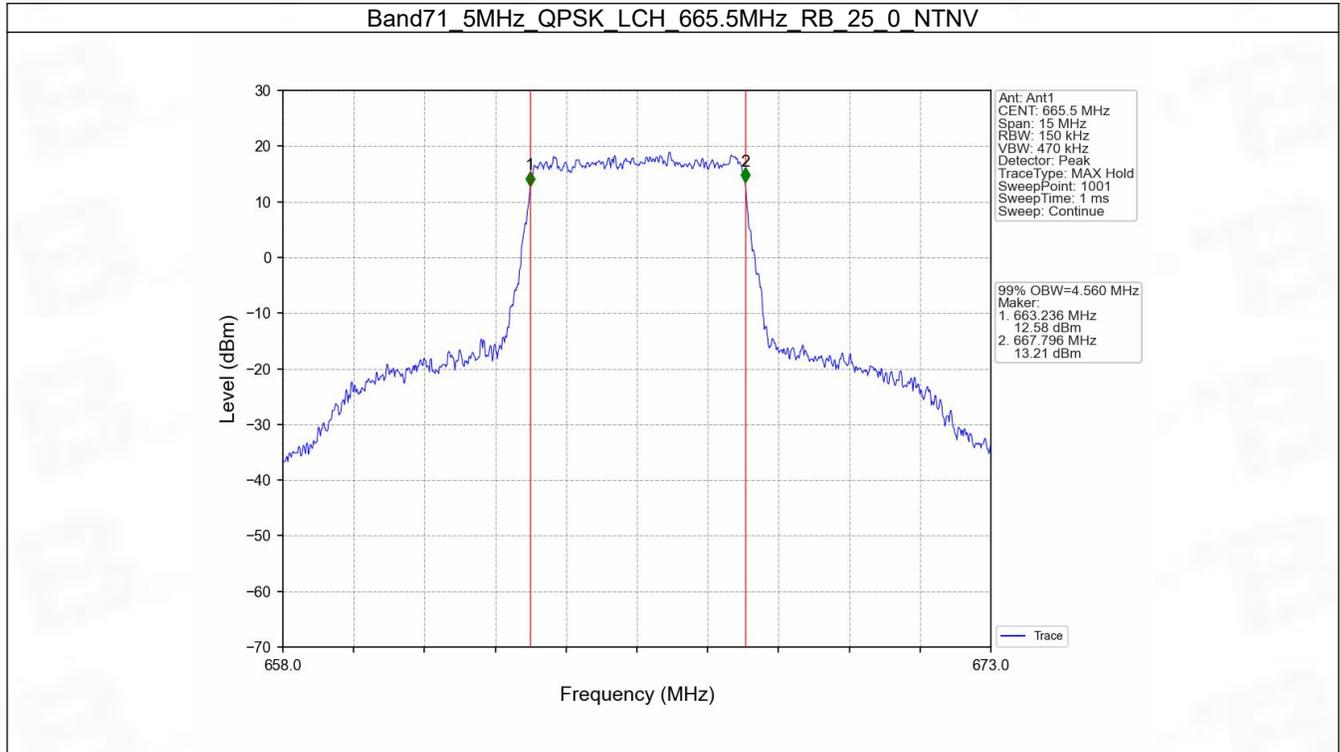
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

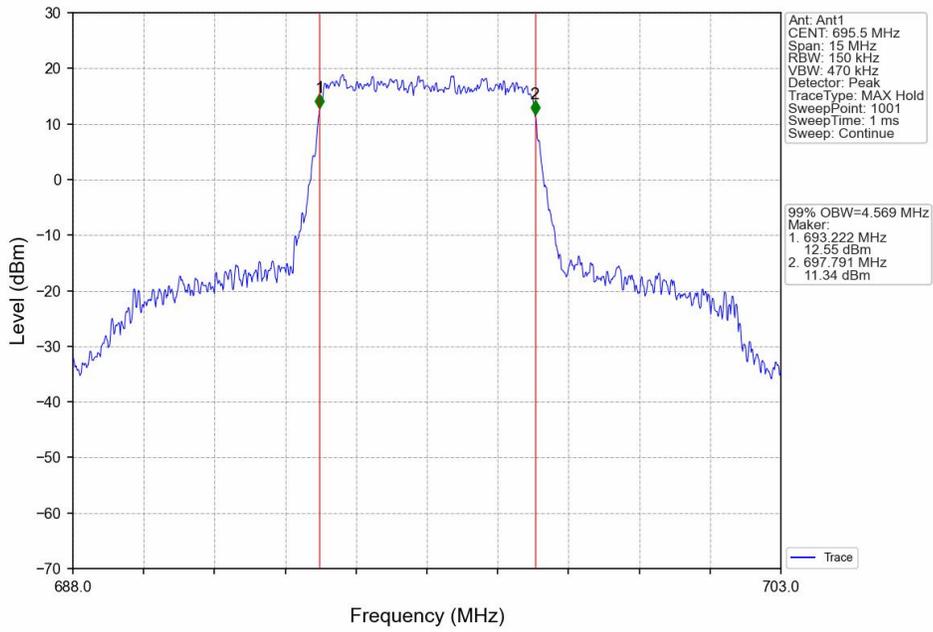
4.1.1 Test Result

Band: 71 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.560	Pass
		680.5	25	0	4.575	Pass
		695.5	25	0	4.569	Pass
	16QAM	665.5	25	0	4.559	Pass
		680.5	25	0	4.594	Pass
		695.5	25	0	4.564	Pass
10	QPSK	668	50	0	9.056	Pass
		680.5	50	0	9.064	Pass
		693	50	0	9.100	Pass
	16QAM	668	50	0	9.058	Pass
		680.5	50	0	9.114	Pass
		693	50	0	9.088	Pass
15	QPSK	670.5	75	0	13.639	Pass
		680.5	75	0	13.591	Pass
		690.5	75	0	13.645	Pass
	16QAM	670.5	75	0	13.631	Pass
		680.5	75	0	13.623	Pass
		690.5	75	0	13.619	Pass
20	QPSK	673	100	0	18.098	Pass
		683	100	0	18.205	Pass
		688	100	0	18.119	Pass
	16QAM	673	100	0	18.189	Pass
		683	100	0	18.156	Pass
		688	100	0	18.134	Pass

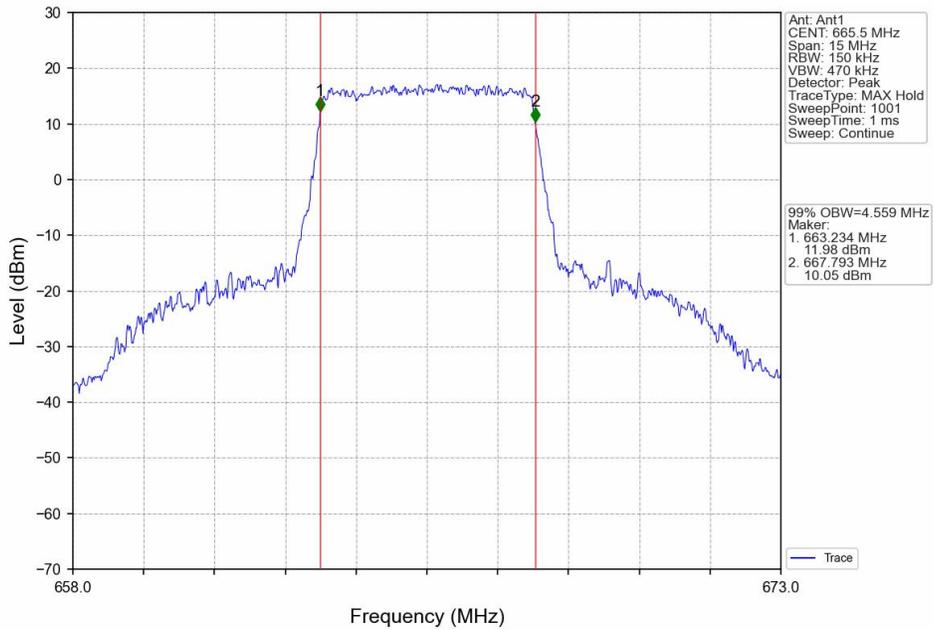
4.1.2 Test Graph



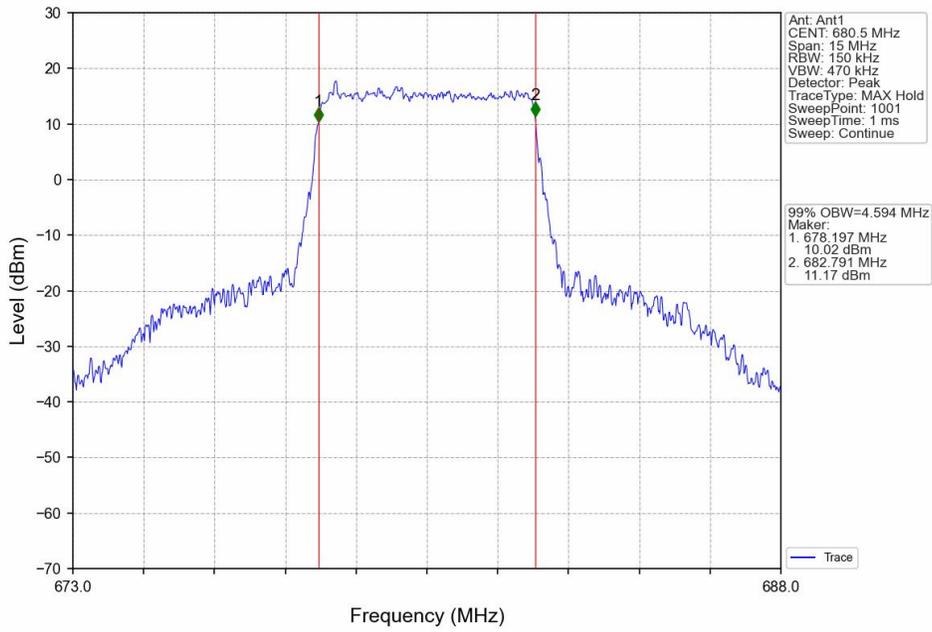
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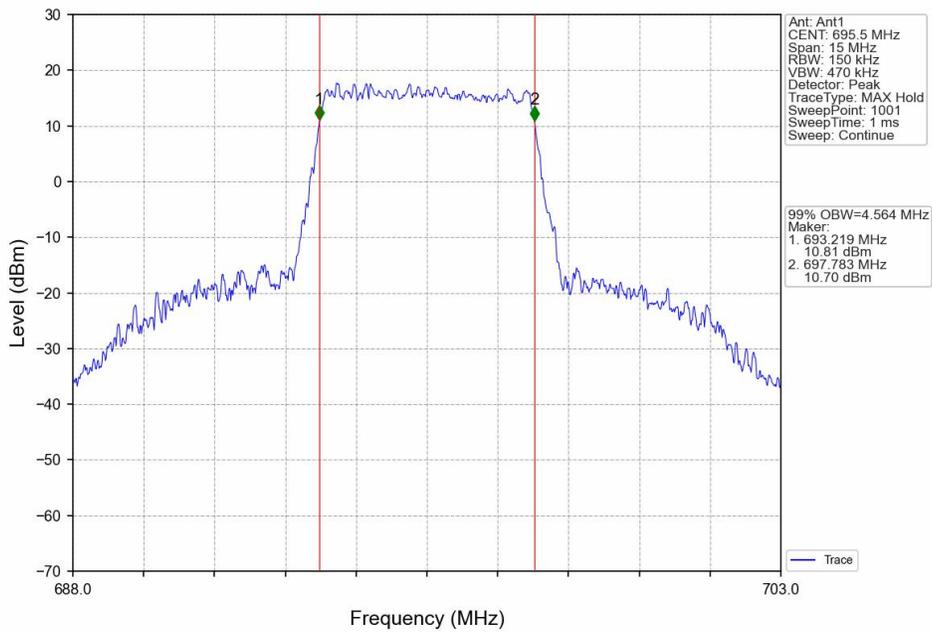
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



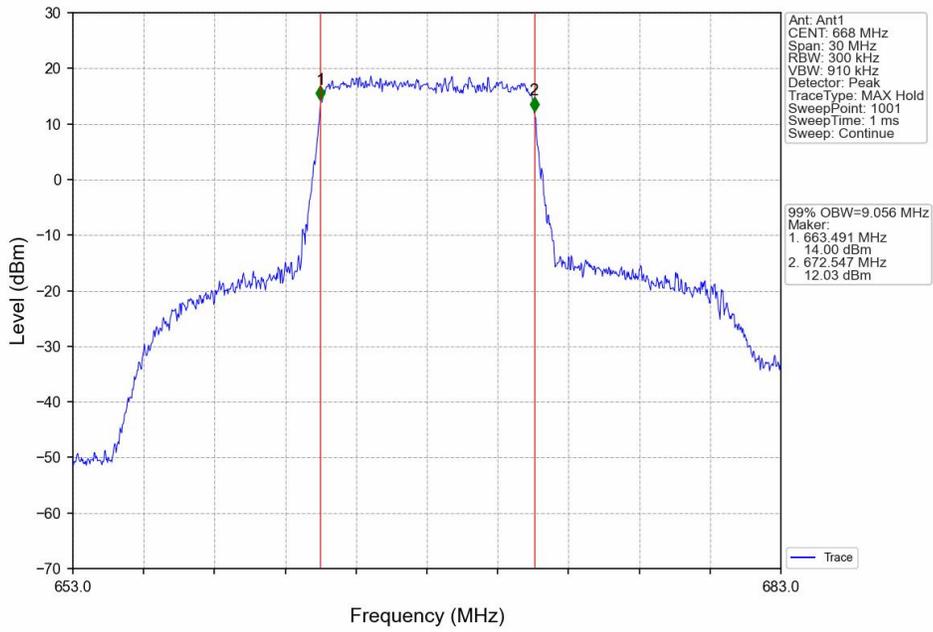
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



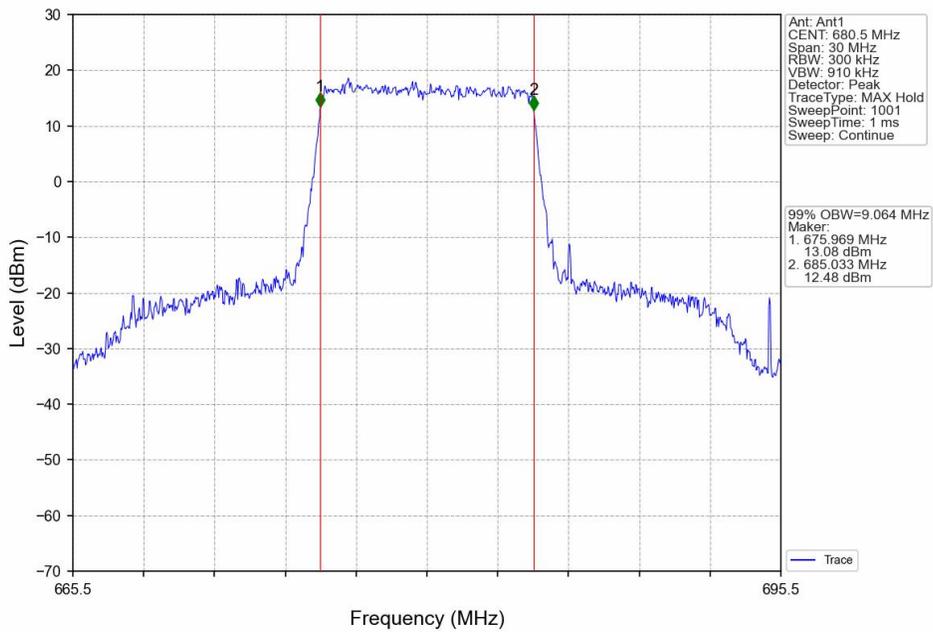
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



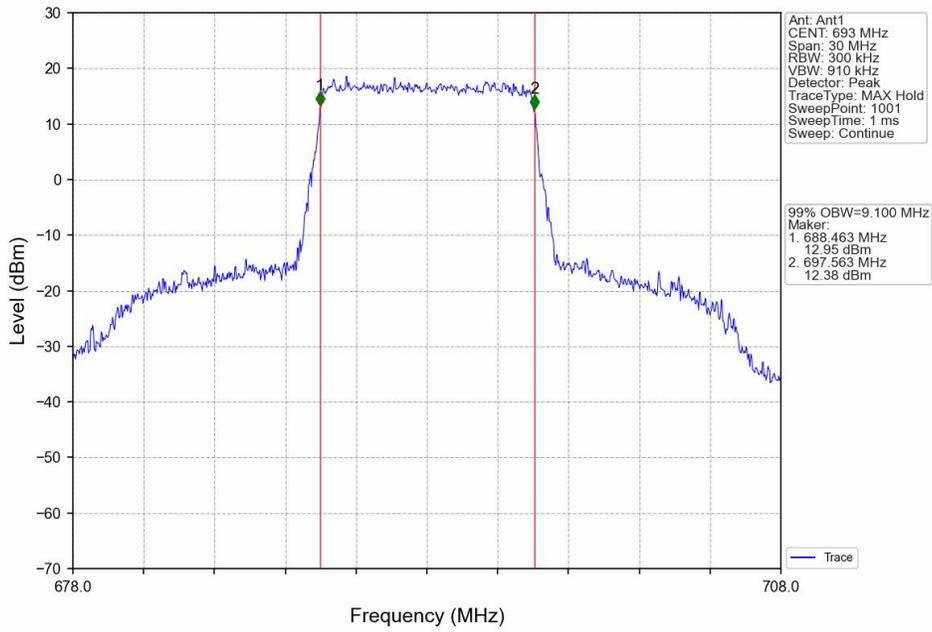
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



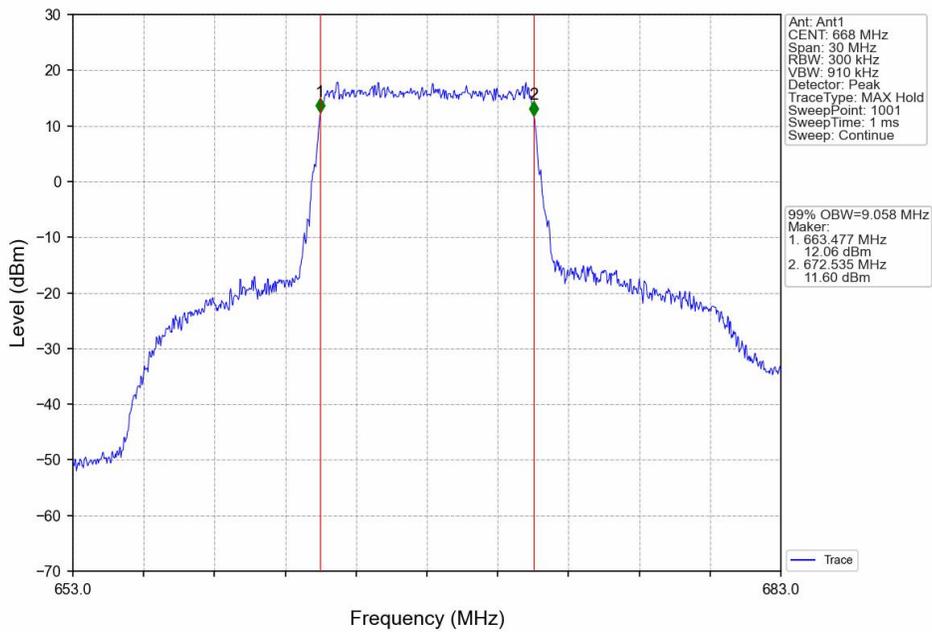
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTN



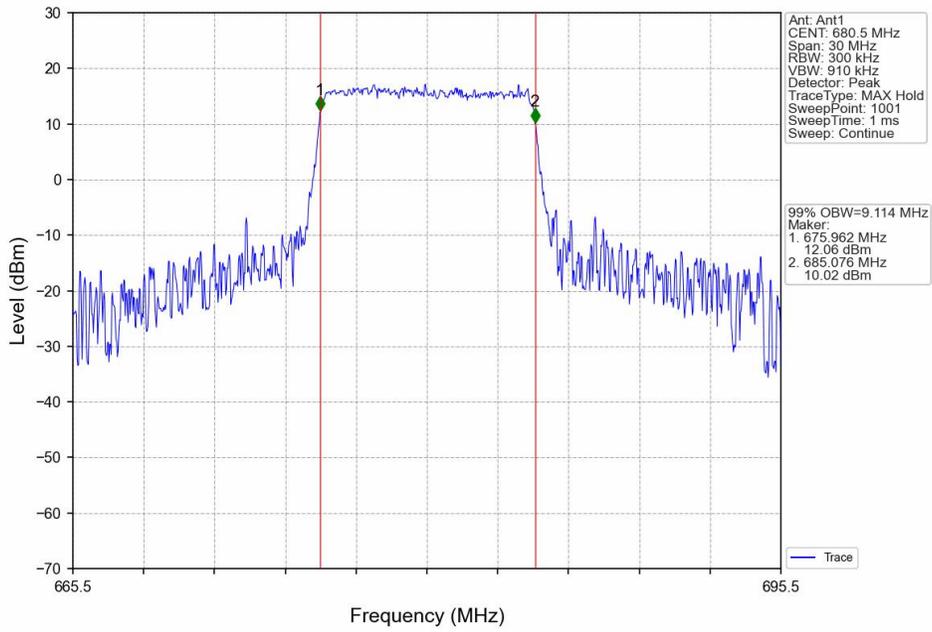
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



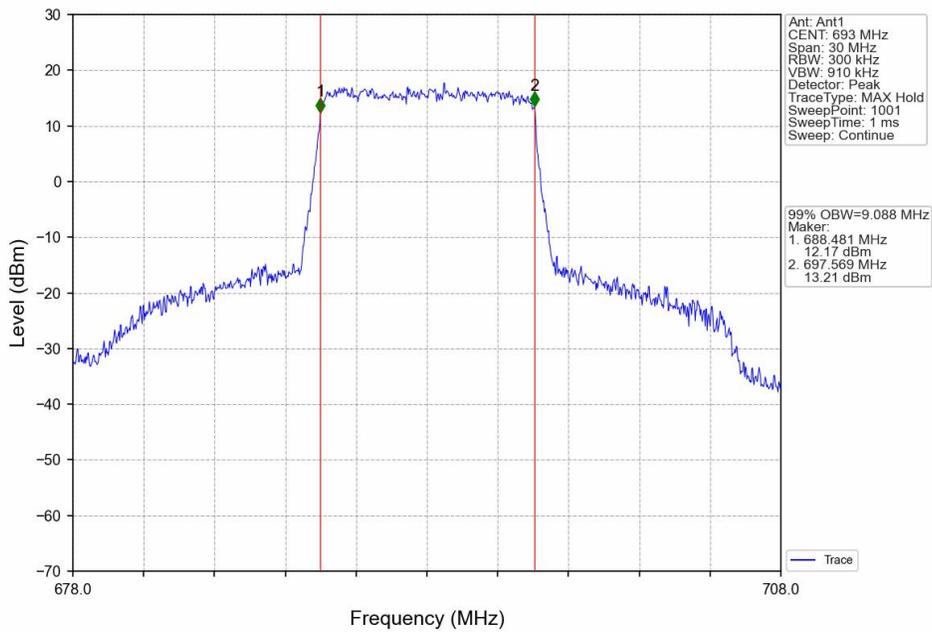
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



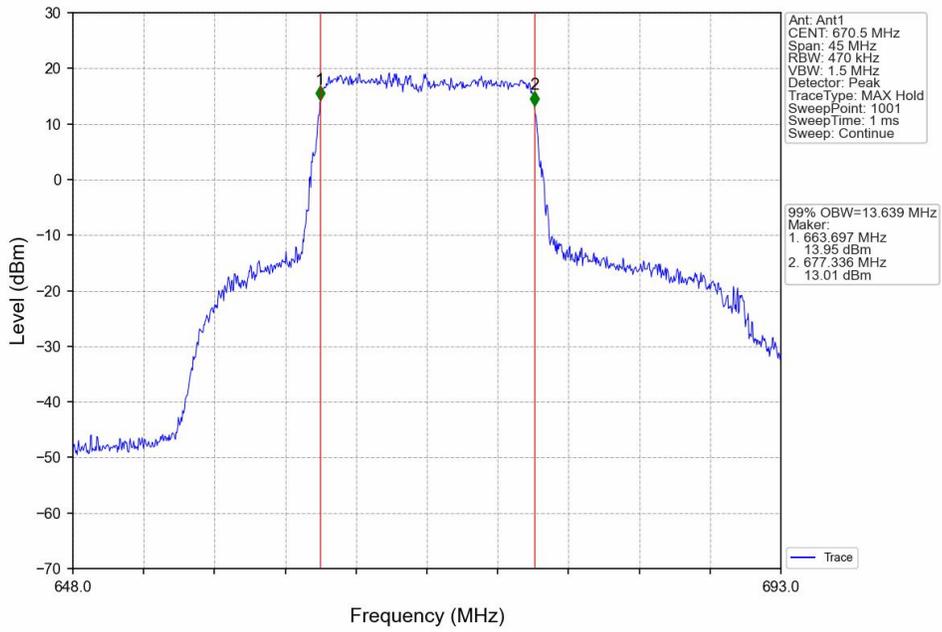
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



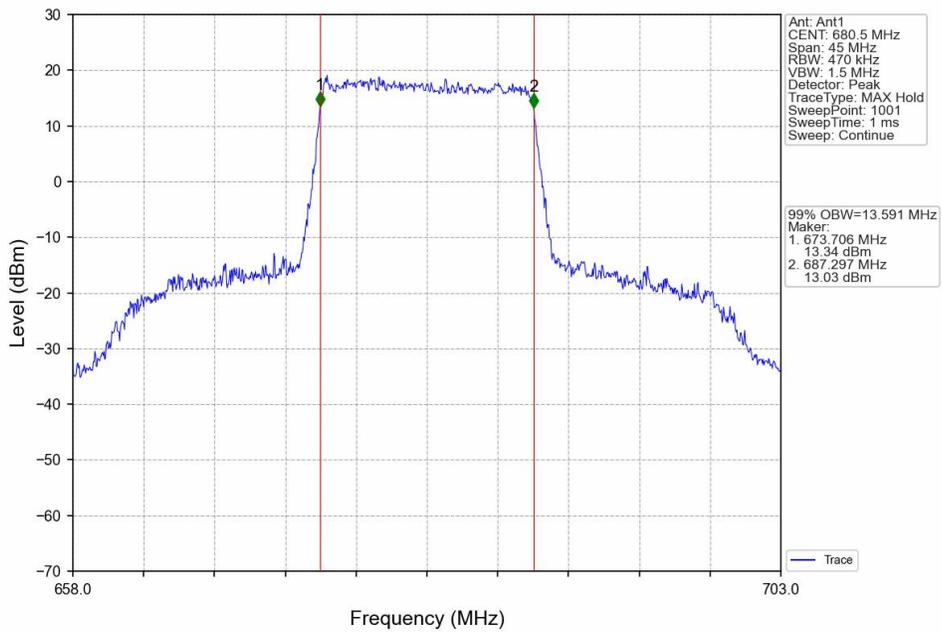
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



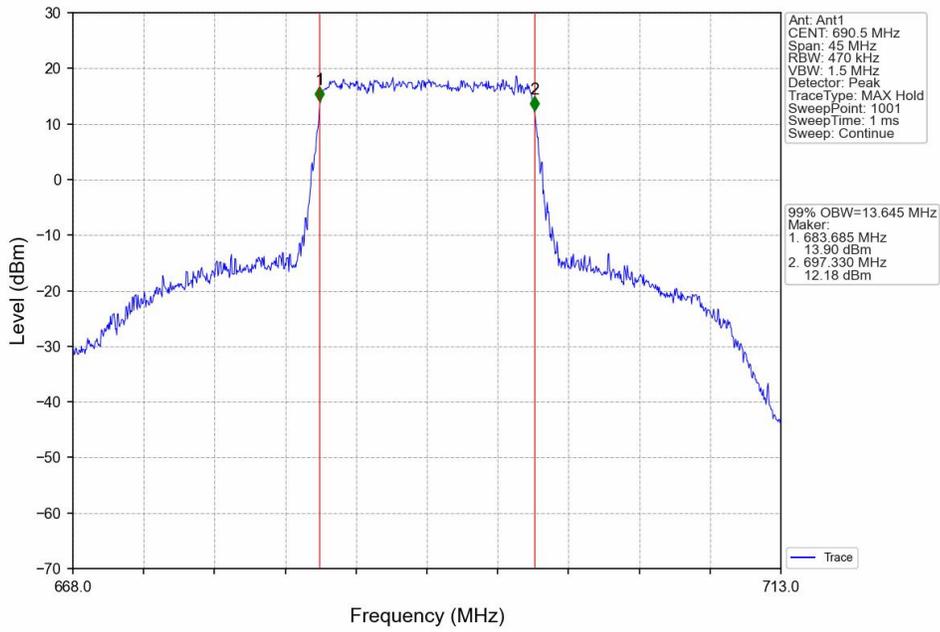
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



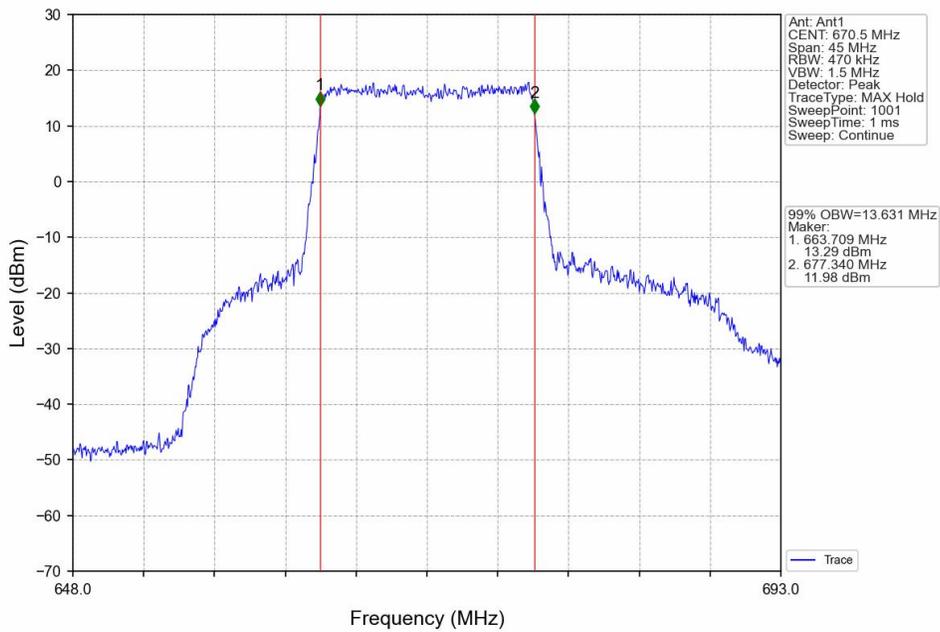
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



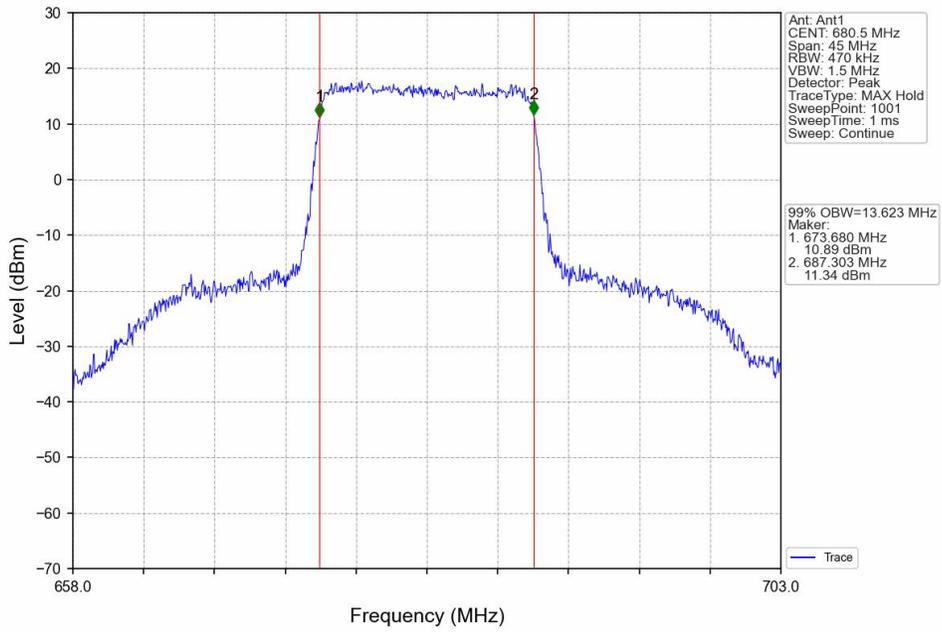
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



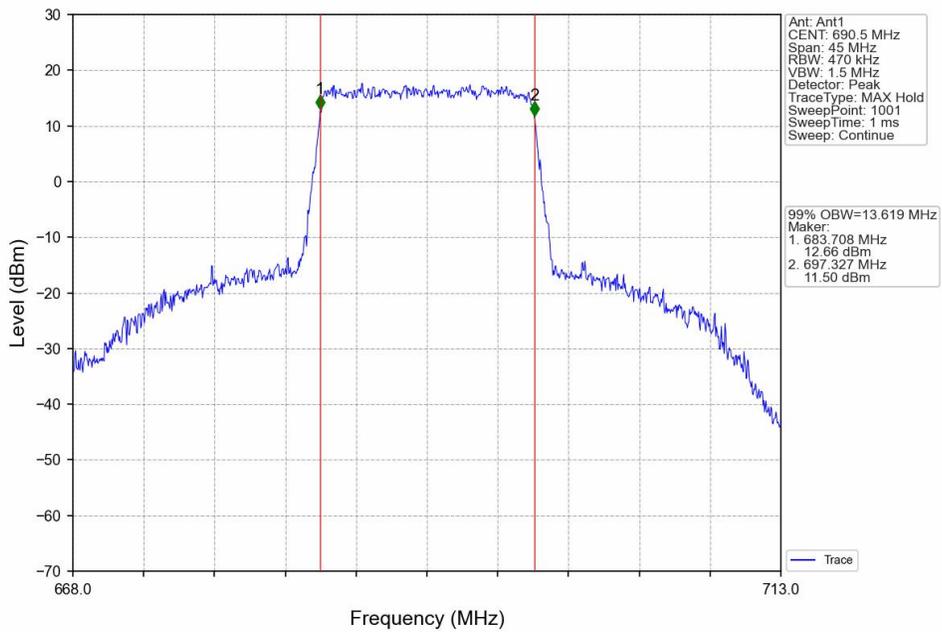
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



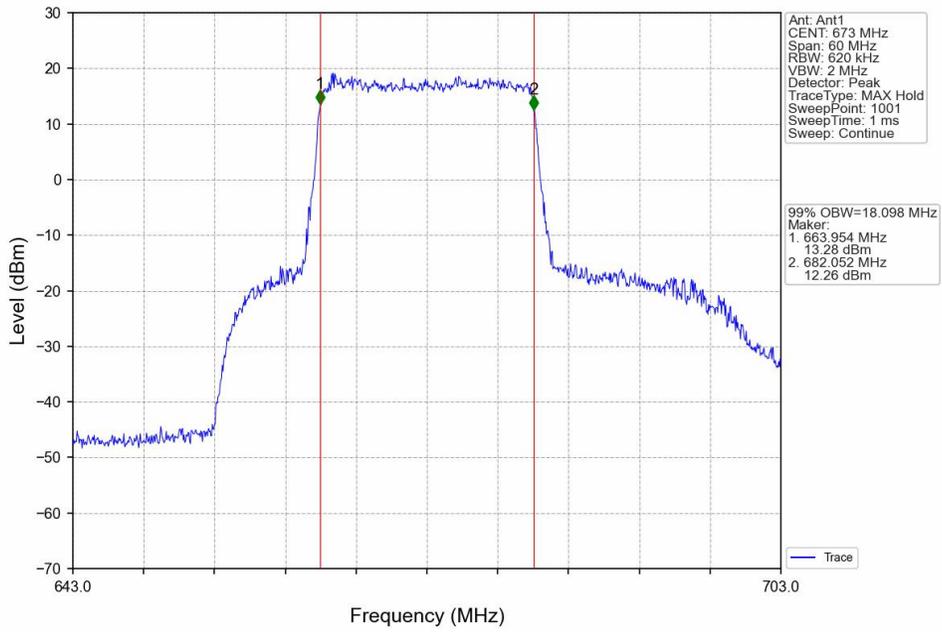
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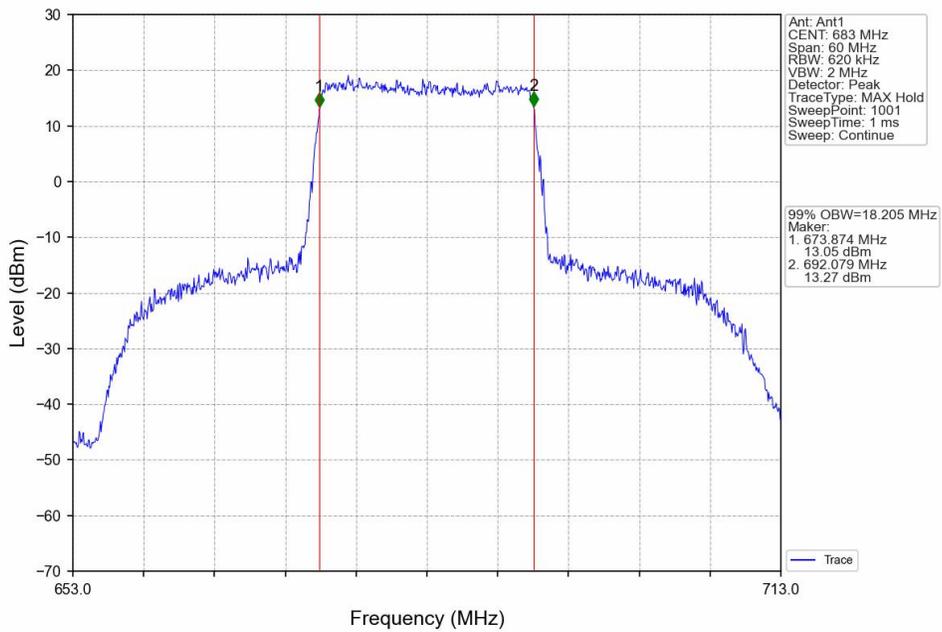
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



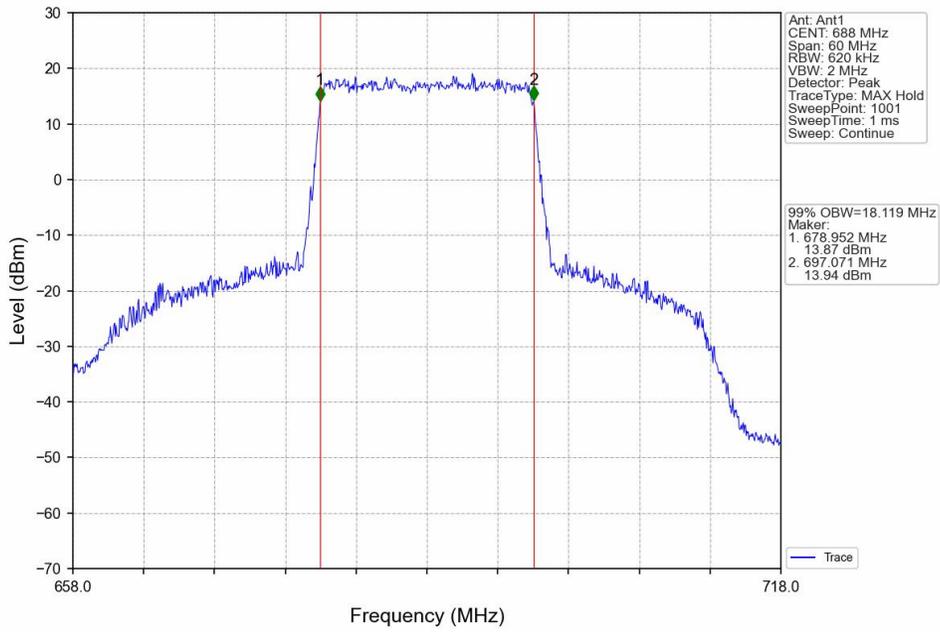
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



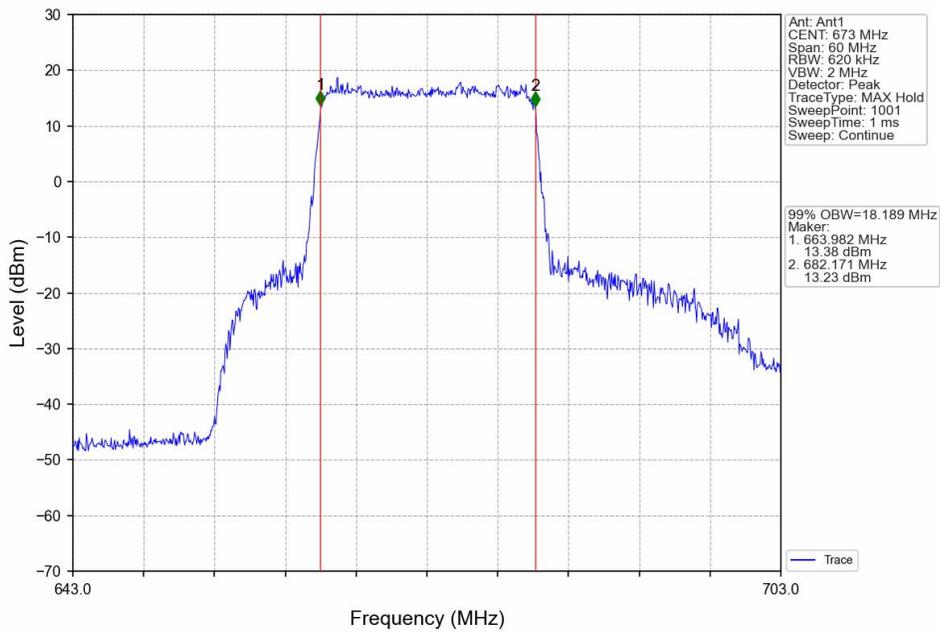
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



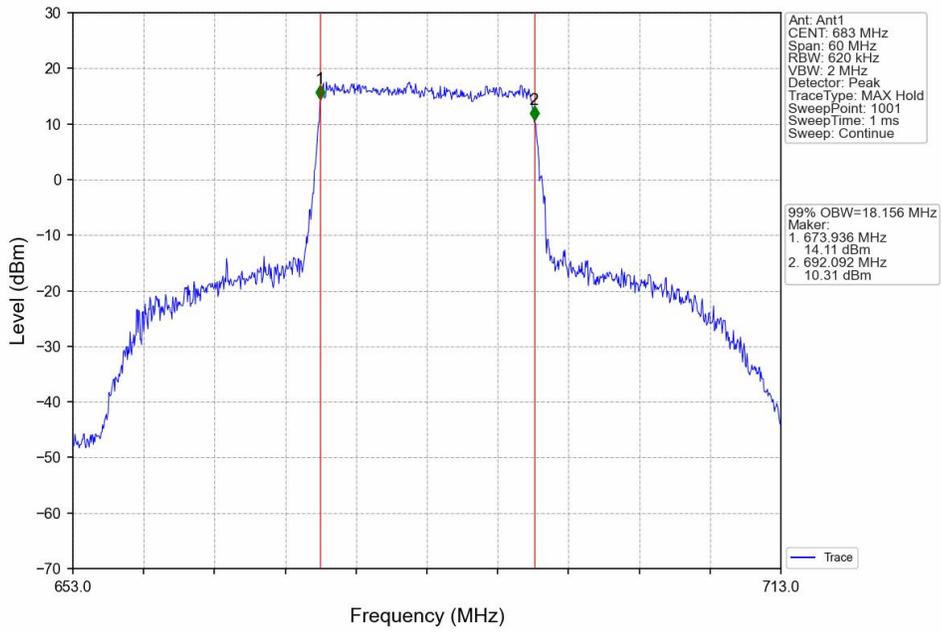
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



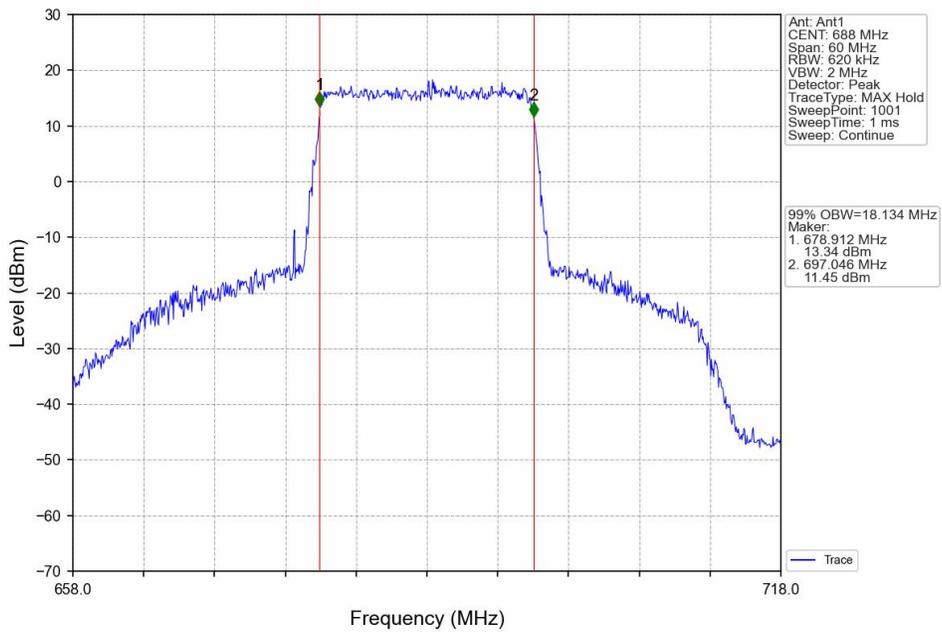
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

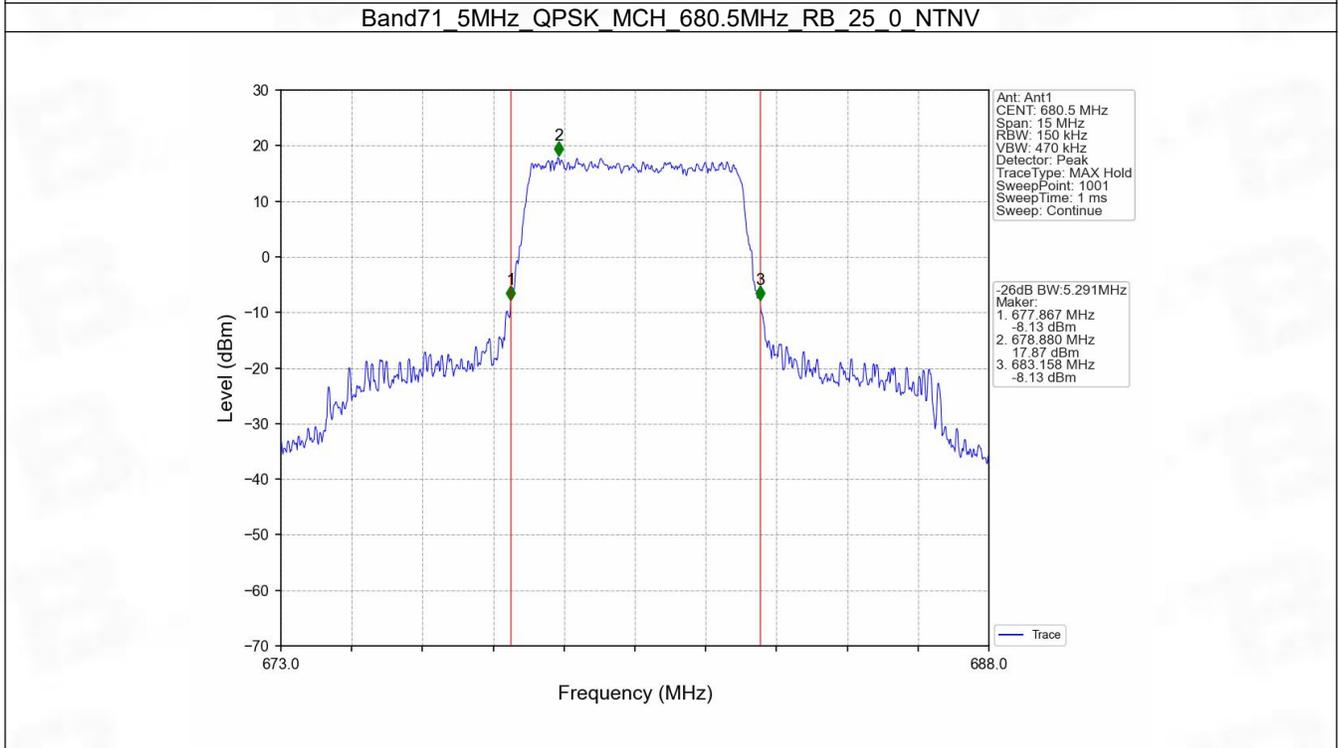
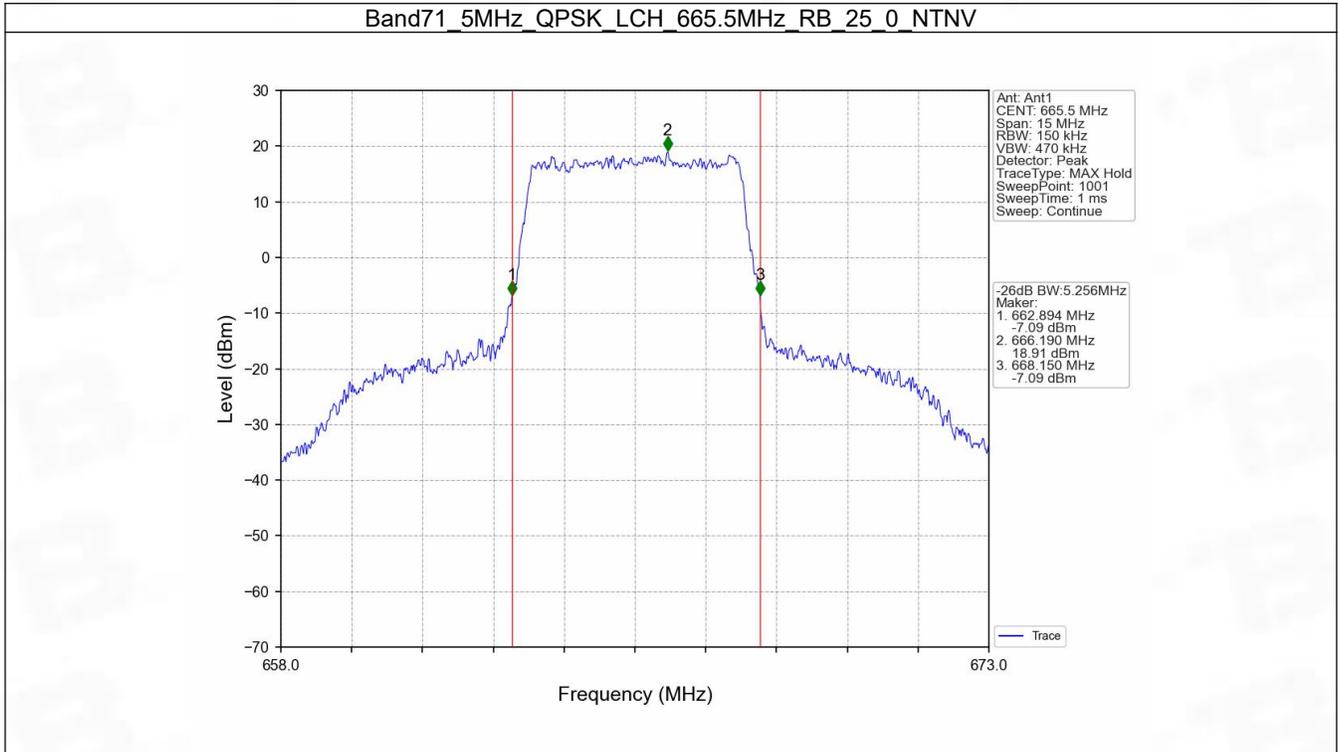


4.2 Band71_XDB

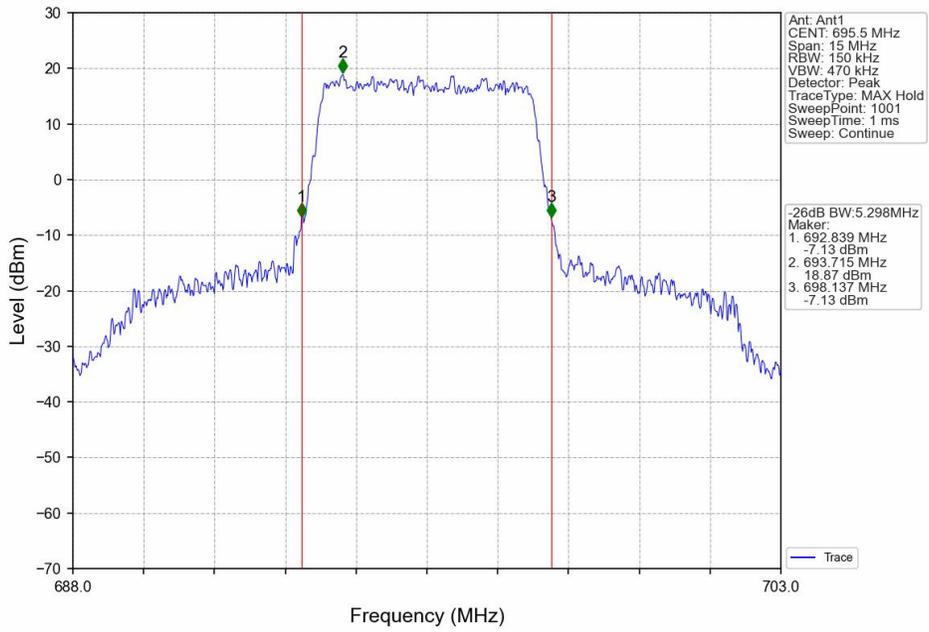
4.2.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.256	Pass
		680.5	25	0	5.291	Pass
		695.5	25	0	5.298	Pass
	16QAM	665.5	25	0	5.343	Pass
		680.5	25	0	5.220	Pass
		695.5	25	0	5.372	Pass
10	QPSK	668	50	0	10.233	Pass
		680.5	50	0	10.154	Pass
		693	50	0	10.385	Pass
	16QAM	668	50	0	10.274	Pass
		680.5	50	0	14.850	Pass
		693	50	0	10.255	Pass
15	QPSK	670.5	75	0	15.403	Pass
		680.5	75	0	15.256	Pass
		690.5	75	0	15.527	Pass
	16QAM	670.5	75	0	15.383	Pass
		680.5	75	0	15.286	Pass
		690.5	75	0	15.353	Pass
20	QPSK	673	100	0	20.061	Pass
		683	100	0	20.172	Pass
		688	100	0	20.091	Pass
	16QAM	673	100	0	19.947	Pass
		683	100	0	20.081	Pass
		688	100	0	19.934	Pass

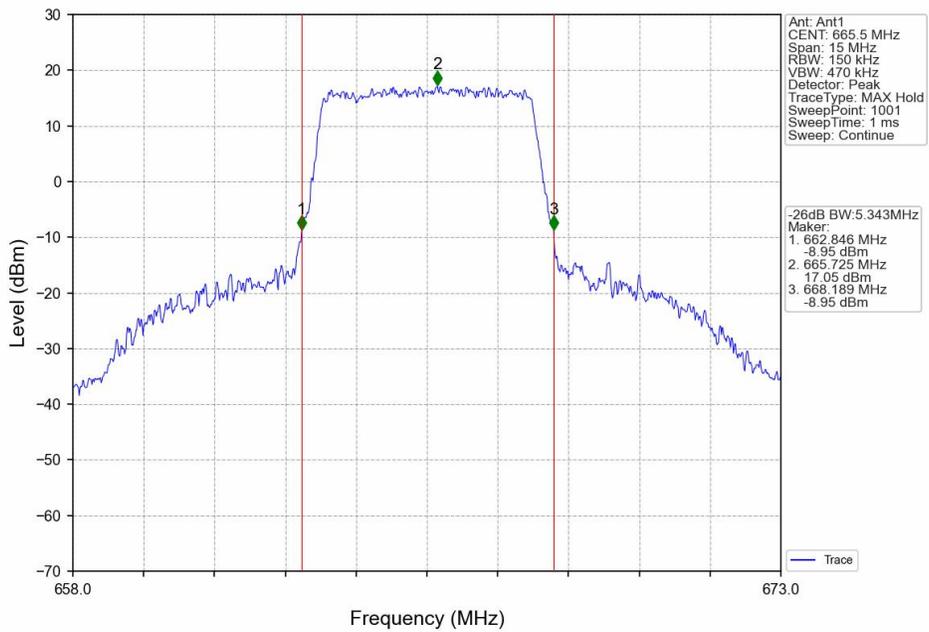
4.2.2 Test Graph



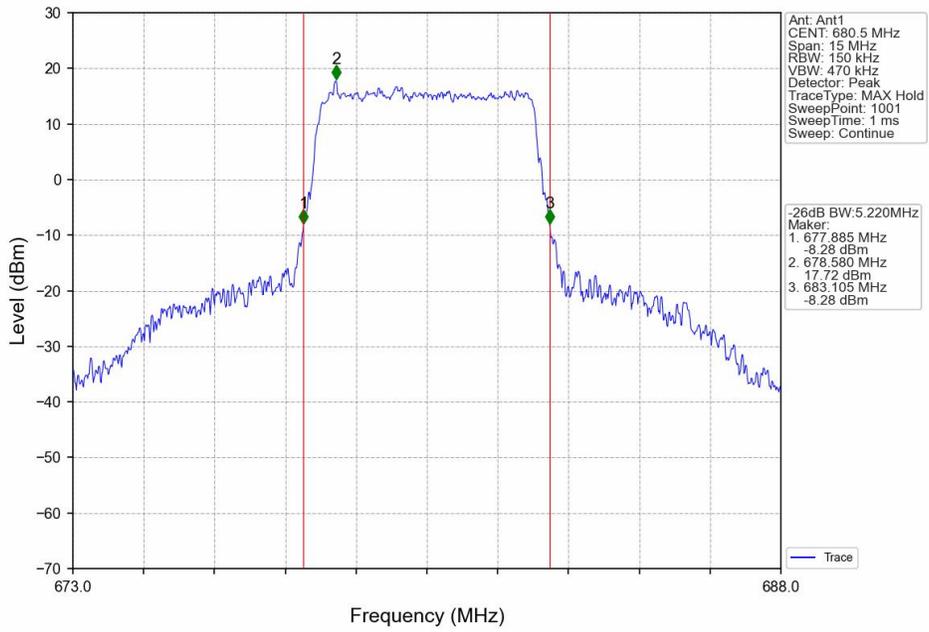
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



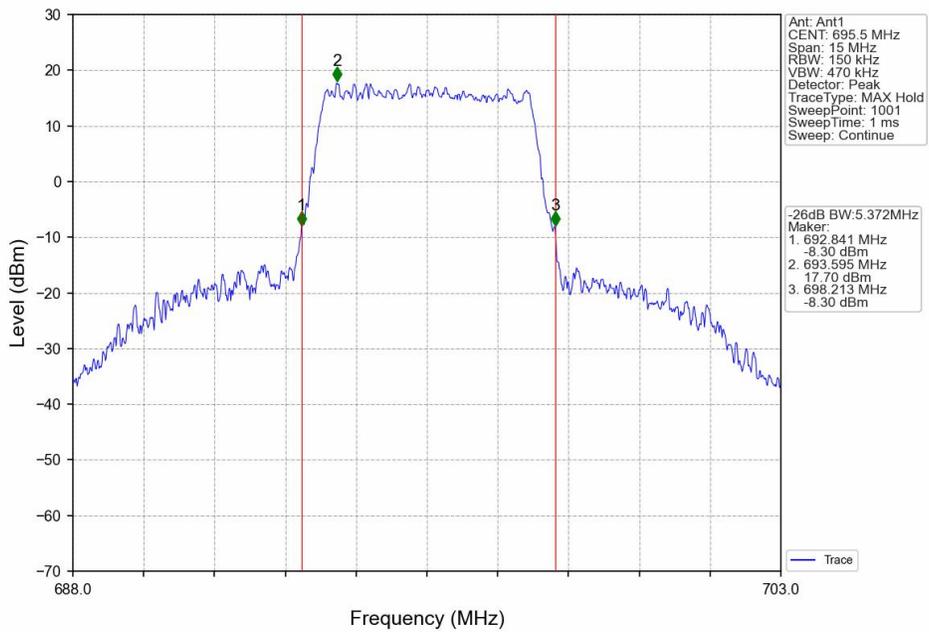
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



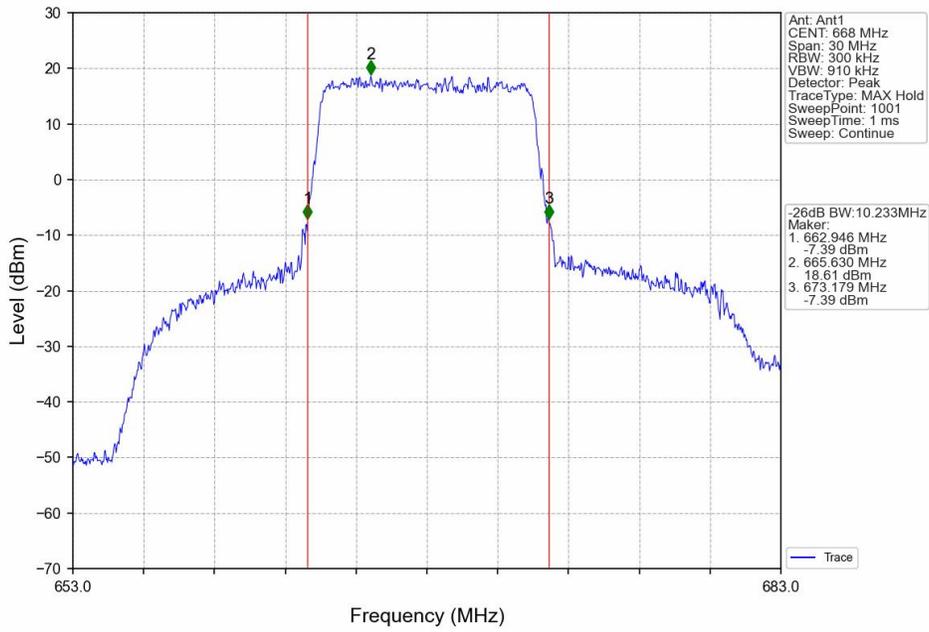
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



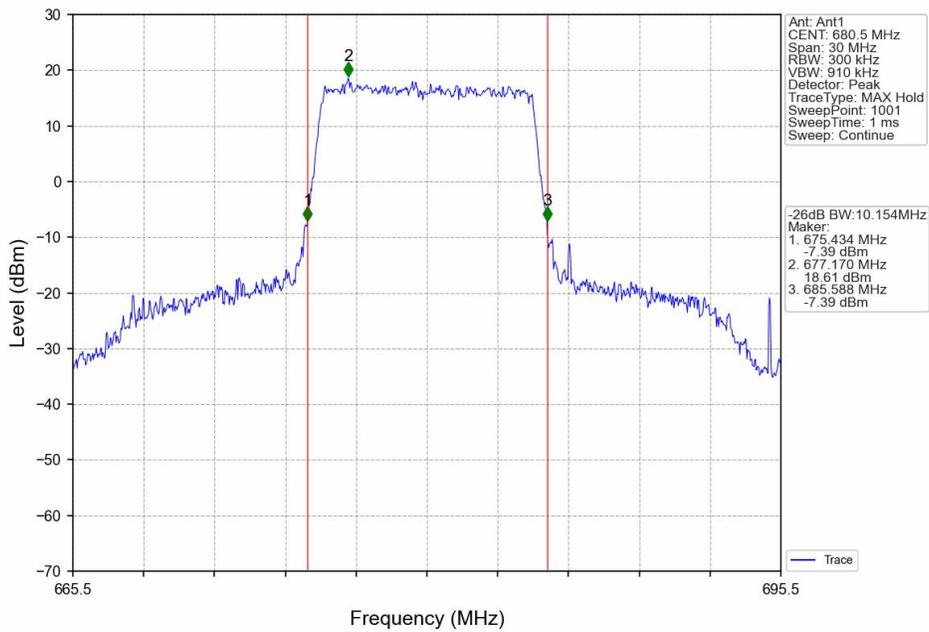
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



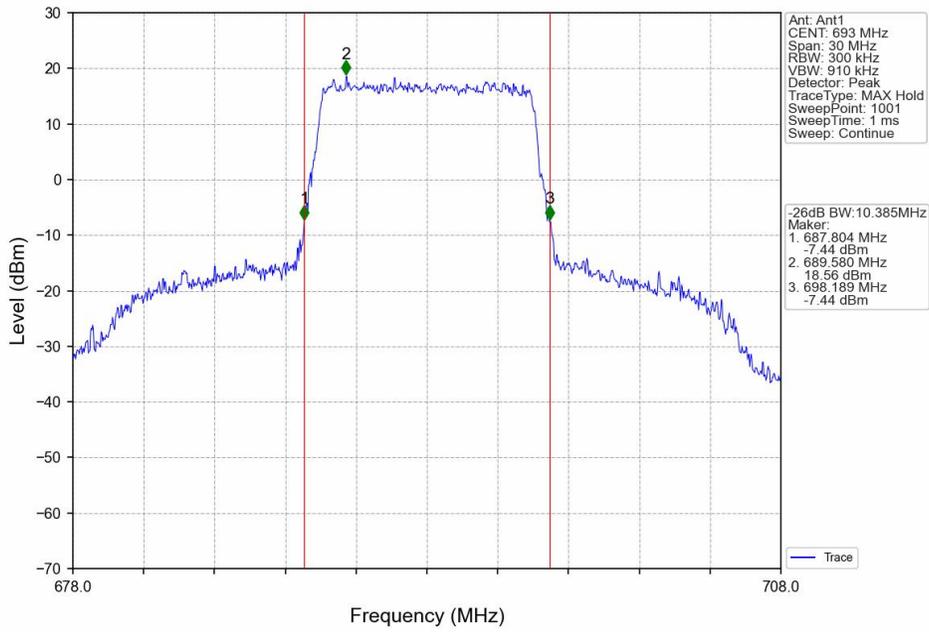
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



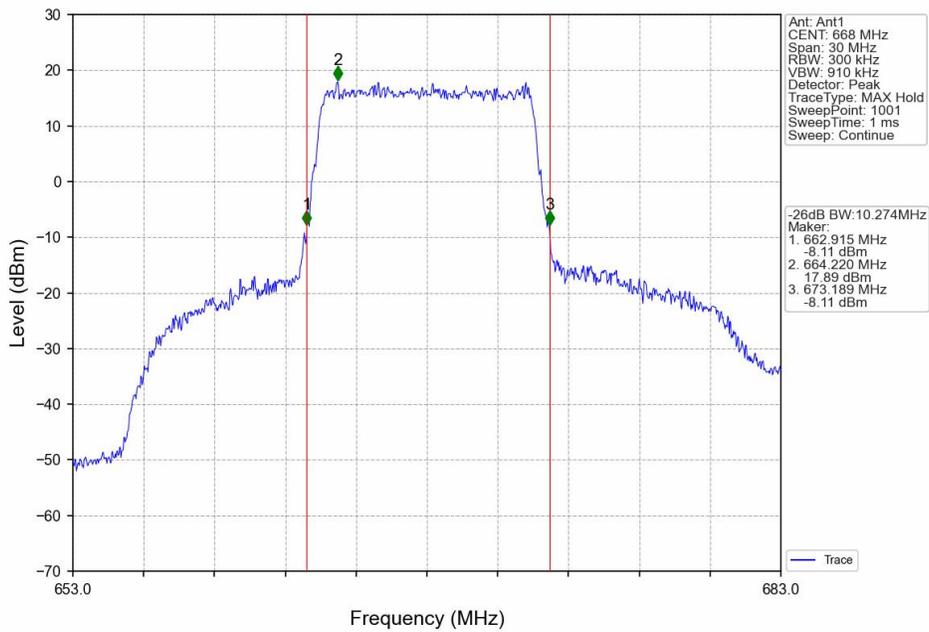
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



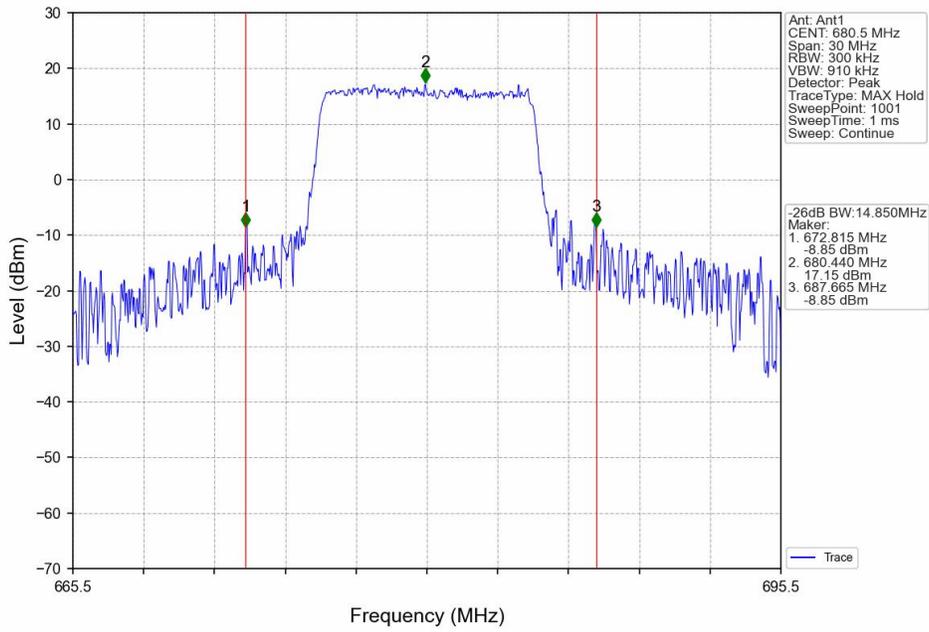
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



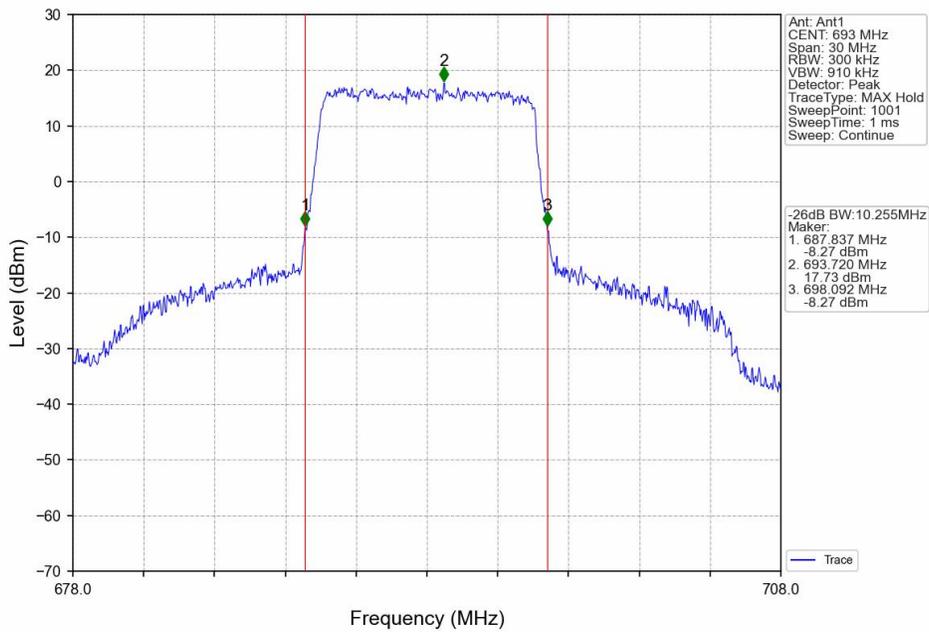
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



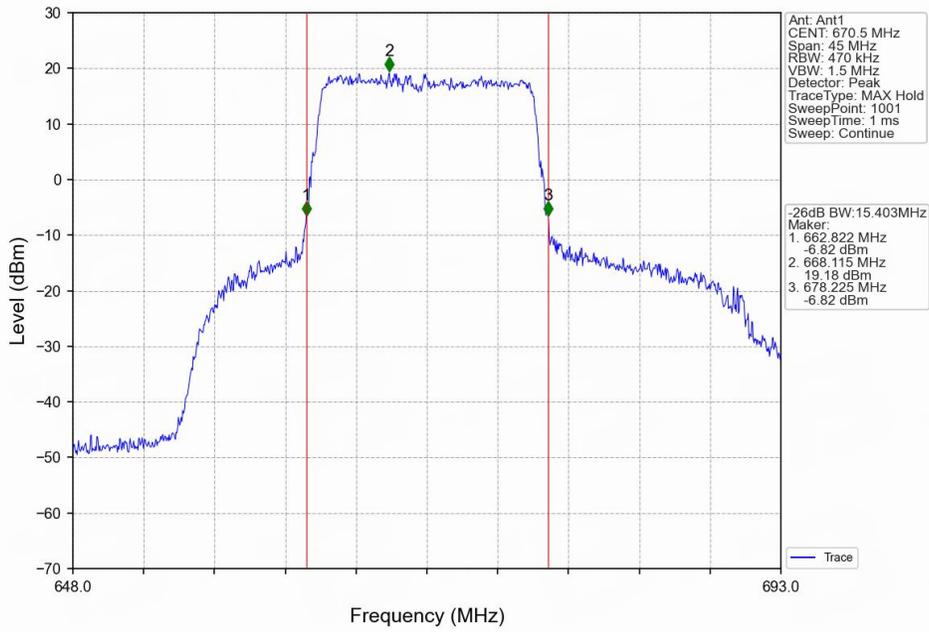
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



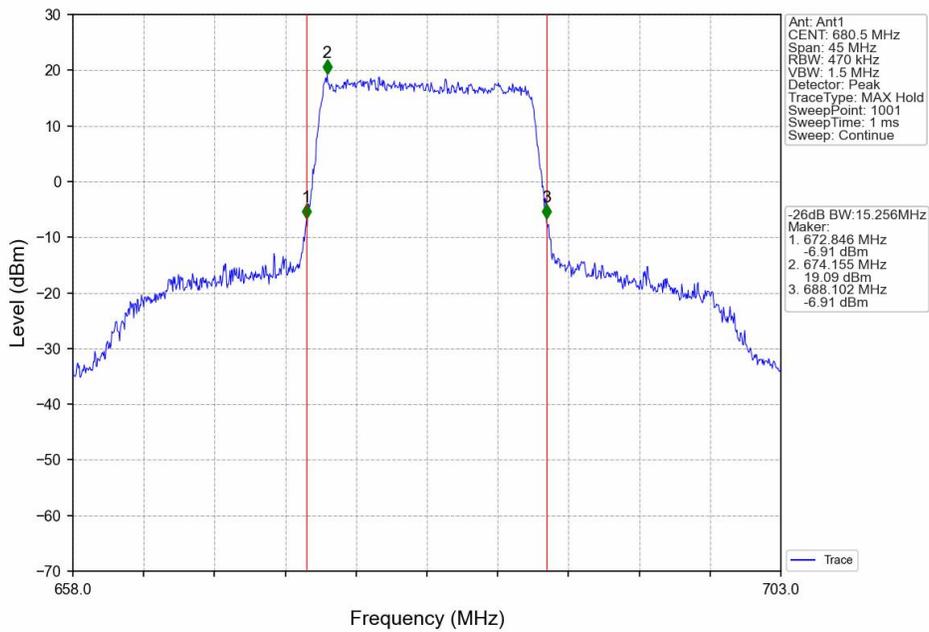
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



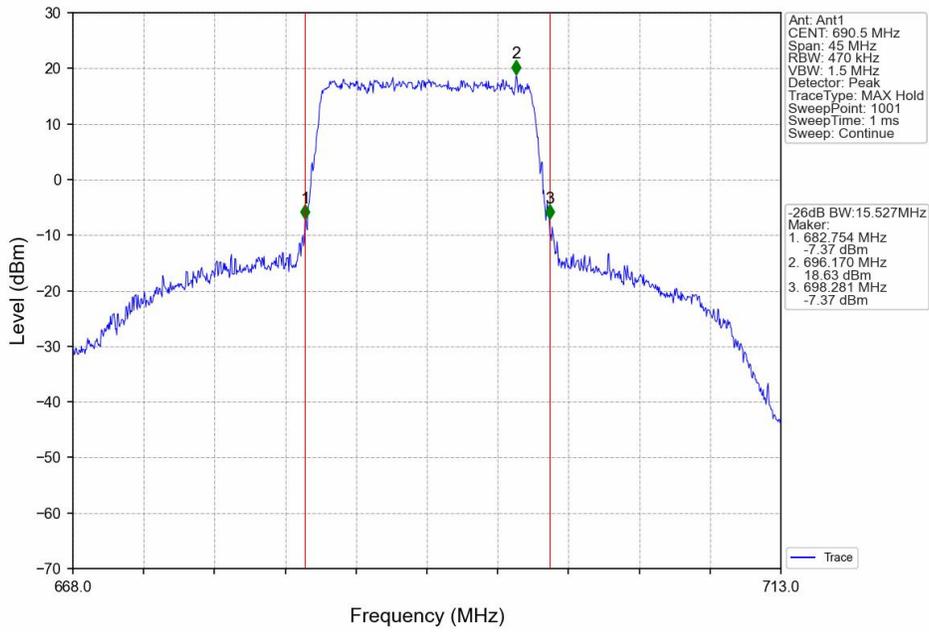
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



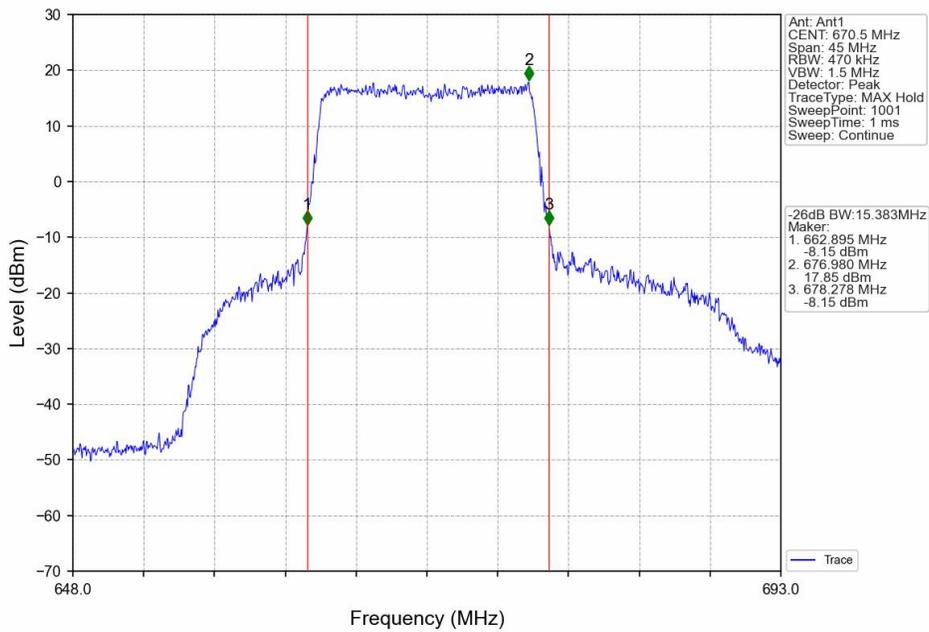
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



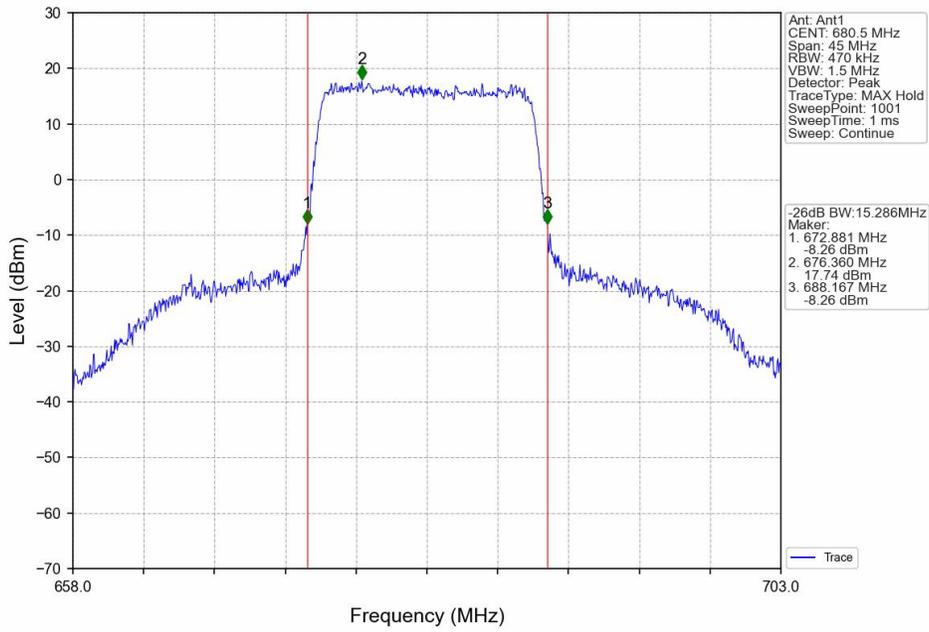
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



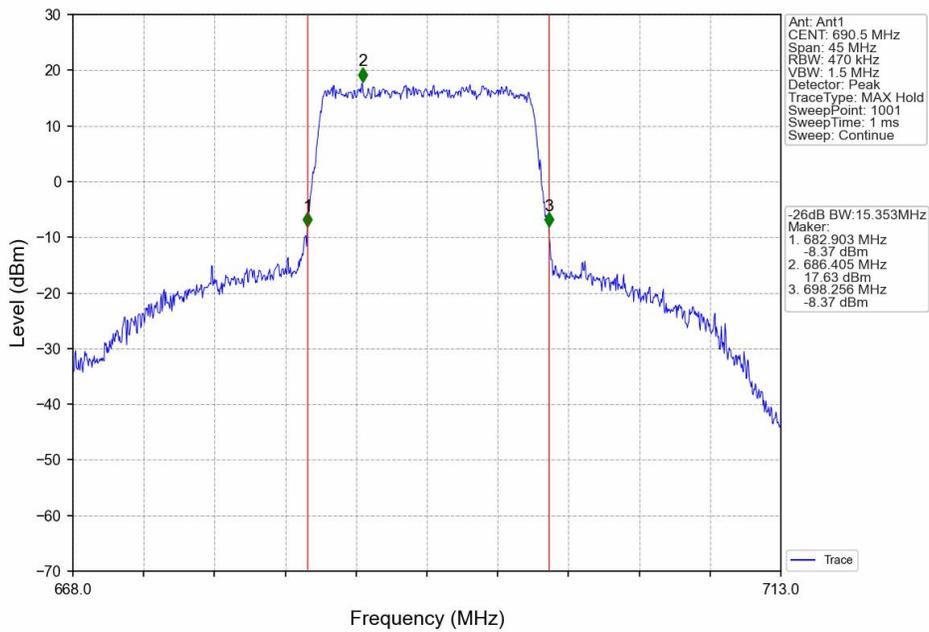
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



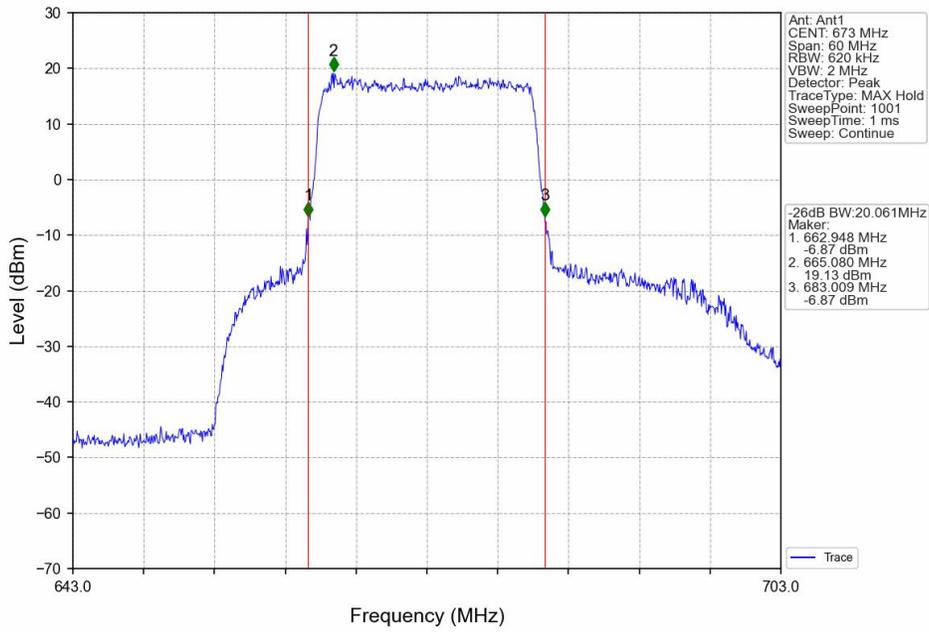
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



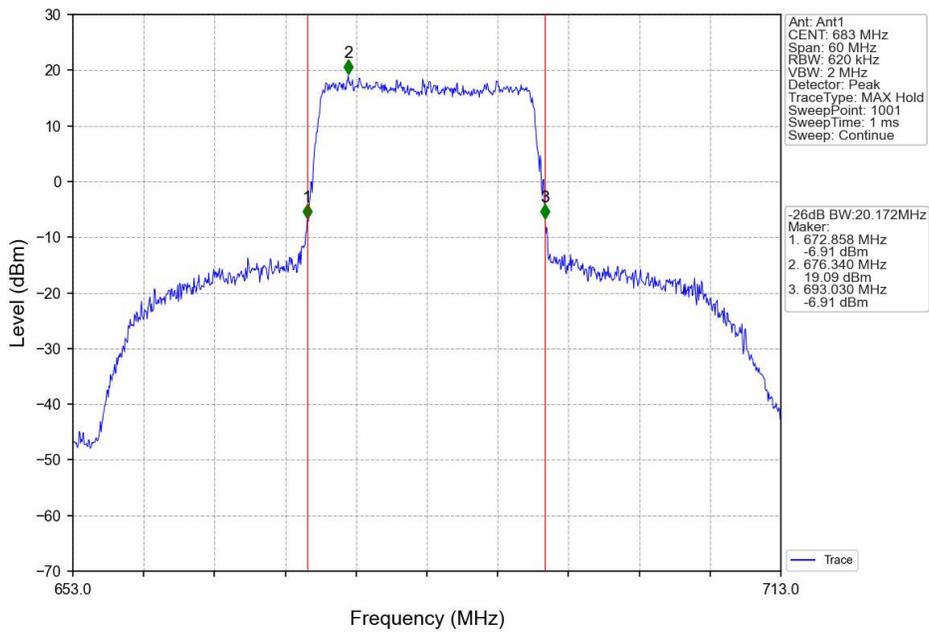
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



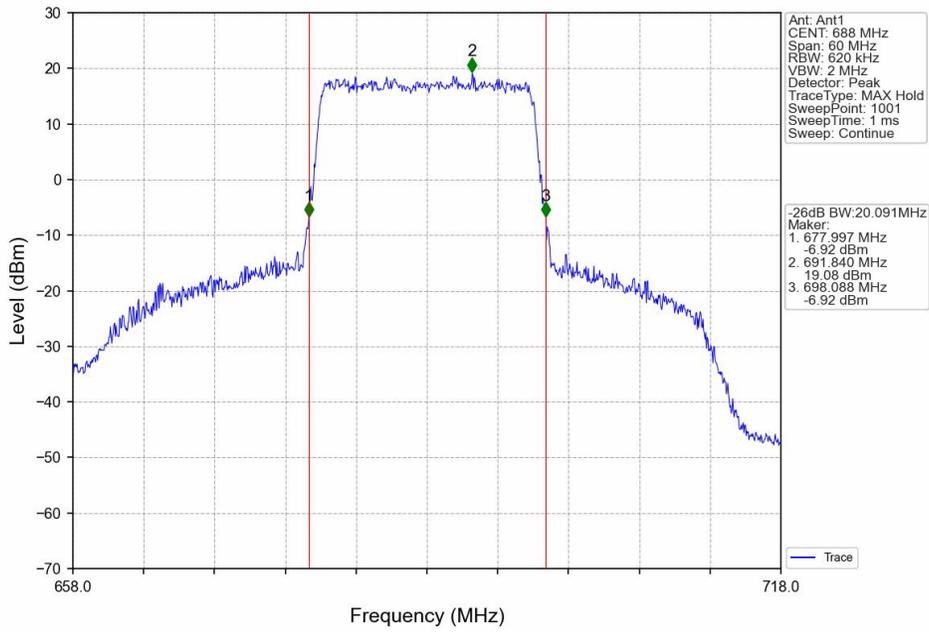
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



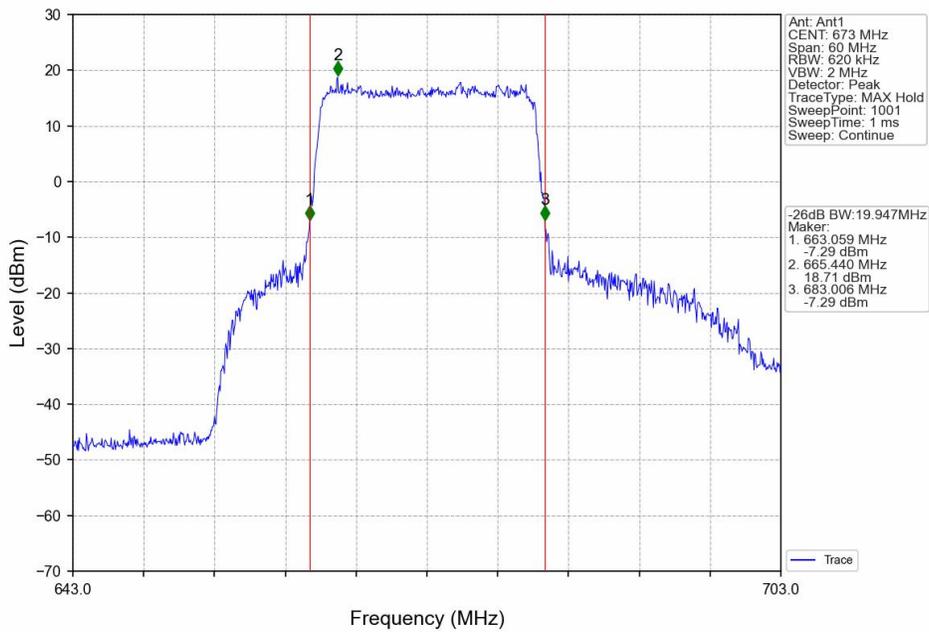
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



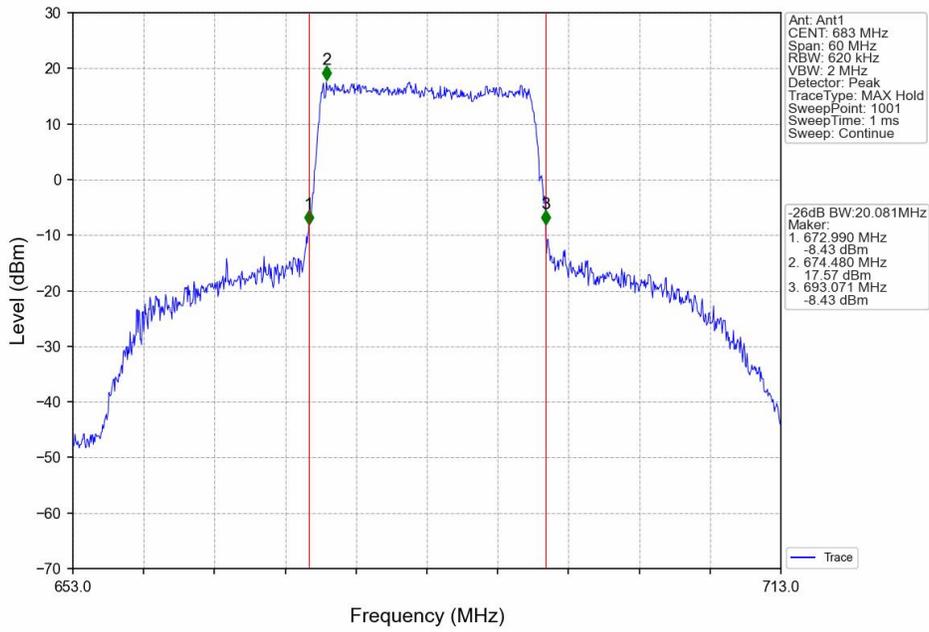
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



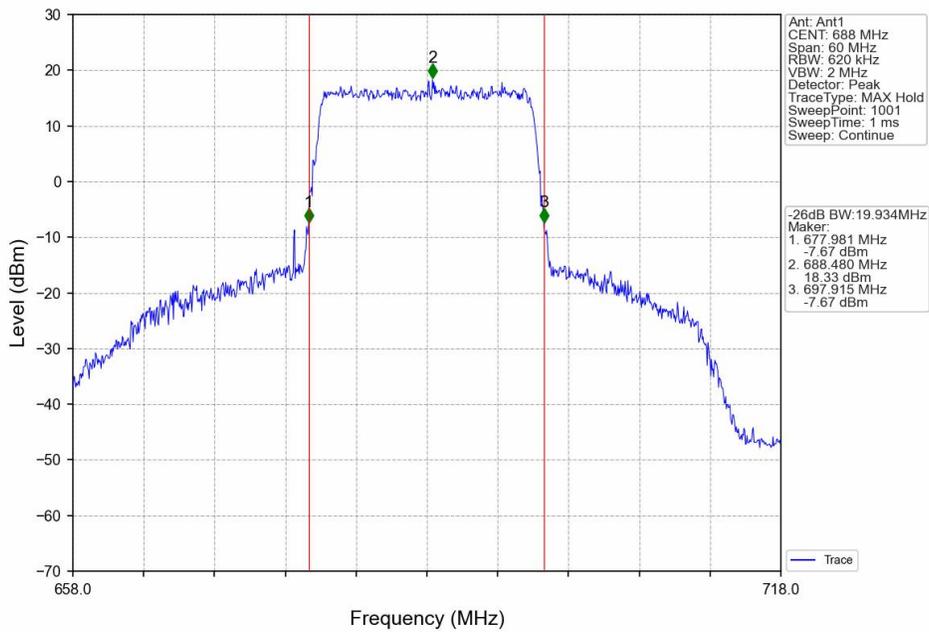
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



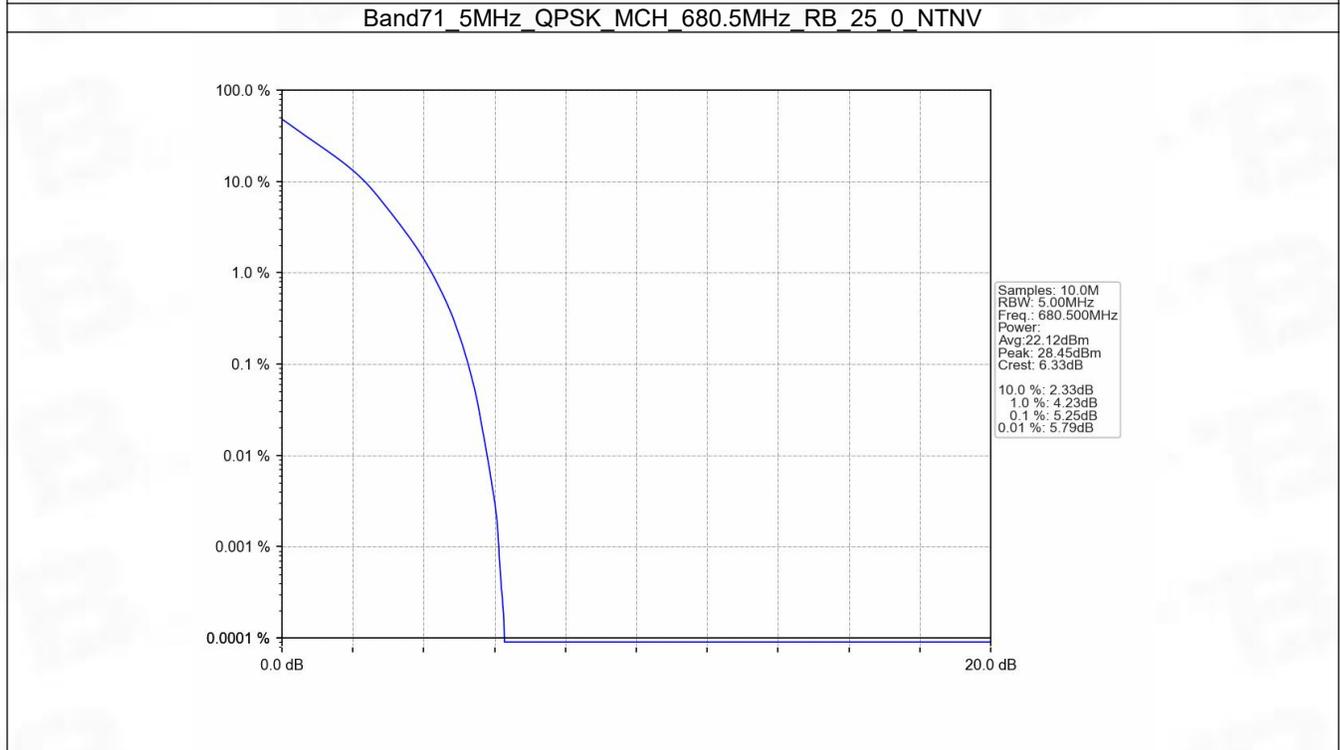
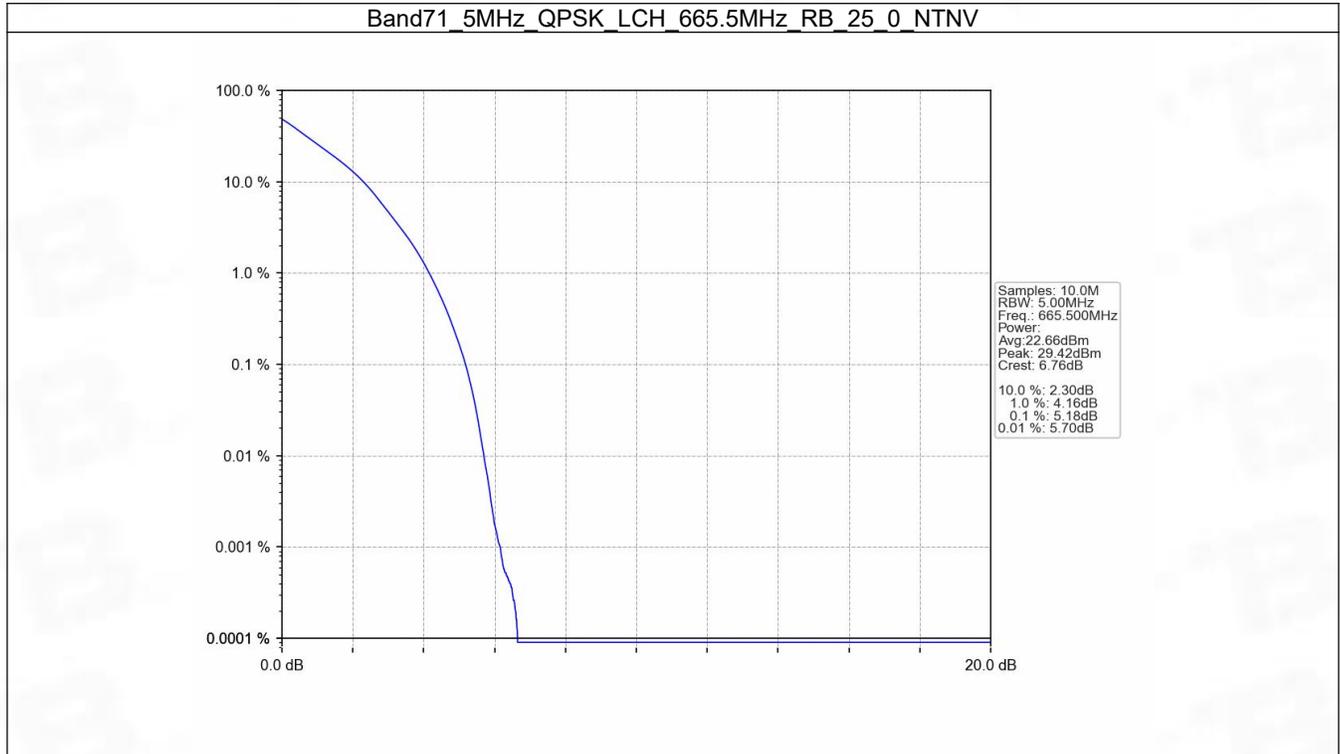
5. Peak-Average Ratio

5.1 B71_5MHz

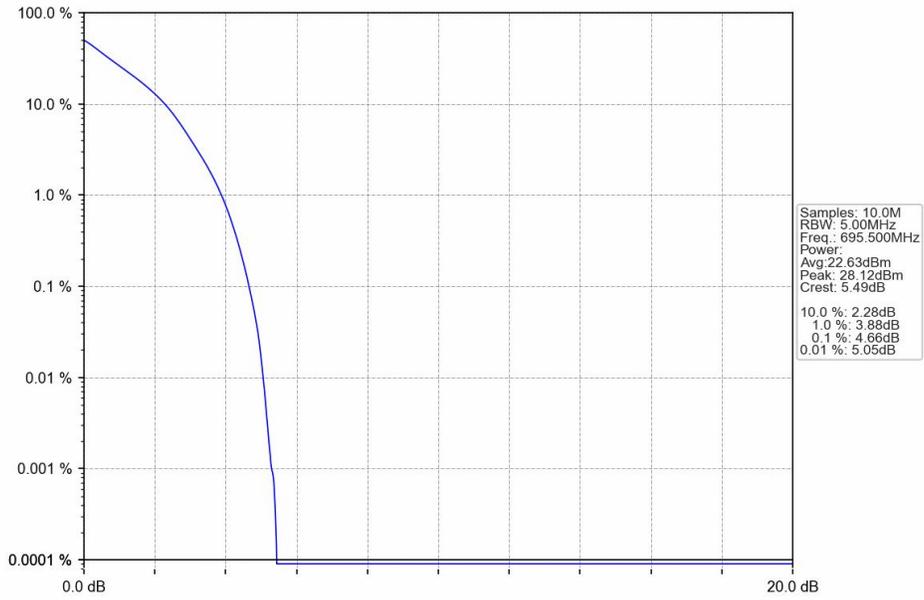
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.18	<=13	Pass
	680.5	25	0	5.25	<=13	Pass
	695.5	25	0	4.66	<=13	Pass
16QAM	665.5	25	0	5.88	<=13	Pass
	680.5	25	0	5.93	<=13	Pass
	695.5	25	0	5.40	<=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

