

i1. 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	21.98	-1.36	18.47	<=34.77	Pass		
			13	22.16	-1.36	18.65	<=34.77	Pass		
			24	22.04	-1.36	18.53	<=34.77	Pass		
		12	0	20.98	-1.36	17.47	<=34.77	Pass		
			6	21.06	-1.36	17.55	<=34.77	Pass		
			13	20.99	-1.36	17.48	<=34.77	Pass		
		25	0	21.02	-1.36	17.51	<=34.77	Pass		
		680.5	1	0	21.87	-1.36	18.36	<=34.77	Pass	
				13	22.05	-1.36	18.54	<=34.77	Pass	
	24			21.89	-1.36	18.38	<=34.77	Pass		
	12		0	20.95	-1.36	17.44	<=34.77	Pass		
			6	20.95	-1.36	17.44	<=34.77	Pass		
			13	20.91	-1.36	17.40	<=34.77	Pass		
	25		0	20.98	-1.36	17.47	<=34.77	Pass		
	695.5		1	0	21.74	-1.36	18.23	<=34.77	Pass	
				13	21.93	-1.36	18.42	<=34.77	Pass	
		24		21.80	-1.36	18.29	<=34.77	Pass		
		12	0	20.83	-1.36	17.32	<=34.77	Pass		
			6	20.86	-1.36	17.35	<=34.77	Pass		
			13	20.80	-1.36	17.29	<=34.77	Pass		
		25	0	20.82	-1.36	17.31	<=34.77	Pass		
		16QAM	665.5	1	0	21.12	-1.36	17.61	<=34.77	Pass
					13	21.33	-1.36	17.82	<=34.77	Pass
	24				21.18	-1.36	17.67	<=34.77	Pass	
12	0			19.94	-1.36	16.43	<=34.77	Pass		
	6			20.04	-1.36	16.53	<=34.77	Pass		
	13			20.01	-1.36	16.50	<=34.77	Pass		
25	0			20.00	-1.36	16.49	<=34.77	Pass		
680.5	1			0	21.02	-1.36	17.51	<=34.77	Pass	
				13	21.17	-1.36	17.66	<=34.77	Pass	
			24	20.99	-1.36	17.48	<=34.77	Pass		
	12		0	19.87	-1.36	16.36	<=34.77	Pass		
			6	19.90	-1.36	16.39	<=34.77	Pass		
			13	19.87	-1.36	16.36	<=34.77	Pass		
	25		0	19.90	-1.36	16.39	<=34.77	Pass		
	695.5		1	0	20.89	-1.36	17.38	<=34.77	Pass	
				13	21.03	-1.36	17.52	<=34.77	Pass	
24				20.94	-1.36	17.43	<=34.77	Pass		
12			0	19.80	-1.36	16.29	<=34.77	Pass		
			6	19.84	-1.36	16.33	<=34.77	Pass		
			13	19.79	-1.36	16.28	<=34.77	Pass		
25			0	19.77	-1.36	16.26	<=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	21.98	-1.36	18.47	<=34.77	Pass	
			25	22.22	-1.36	18.71	<=34.77	Pass	
			49	22.06	-1.36	18.55	<=34.77	Pass	
		25	0	21.10	-1.36	17.59	<=34.77	Pass	
			13	21.07	-1.36	17.56	<=34.77	Pass	
			25	21.22	-1.36	17.71	<=34.77	Pass	
	50	0	21.12	-1.36	17.61	<=34.77	Pass		
	680.5	1	0	21.98	-1.36	18.47	<=34.77	Pass	
			25	22.18	-1.36	18.67	<=34.77	Pass	
			49	22.00	-1.36	18.49	<=34.77	Pass	
		25	0	21.05	-1.36	17.54	<=34.77	Pass	
			13	20.95	-1.36	17.44	<=34.77	Pass	
			25	21.01	-1.36	17.50	<=34.77	Pass	
		50	0	20.99	-1.36	17.48	<=34.77	Pass	
		693	1	0	21.87	-1.36	18.36	<=34.77	Pass
				25	21.97	-1.36	18.46	<=34.77	Pass
	49			21.92	-1.36	18.41	<=34.77	Pass	
	25		0	20.94	-1.36	17.43	<=34.77	Pass	
			13	20.86	-1.36	17.35	<=34.77	Pass	
			25	20.82	-1.36	17.31	<=34.77	Pass	
	50	0	20.89	-1.36	17.38	<=34.77	Pass		
	16QAM	668	1	0	21.09	-1.36	17.58	<=34.77	Pass
				25	21.31	-1.36	17.80	<=34.77	Pass
				49	21.20	-1.36	17.69	<=34.77	Pass
25			0	20.08	-1.36	16.57	<=34.77	Pass	
			13	20.00	-1.36	16.49	<=34.77	Pass	
			25	20.13	-1.36	16.62	<=34.77	Pass	
50		0	20.01	-1.36	16.50	<=34.77	Pass		
680.5		1	0	20.92	-1.36	17.41	<=34.77	Pass	
			25	21.01	-1.36	17.50	<=34.77	Pass	
			49	20.98	-1.36	17.47	<=34.77	Pass	
		25	0	20.02	-1.36	16.51	<=34.77	Pass	
			13	19.96	-1.36	16.45	<=34.77	Pass	
			25	20.00	-1.36	16.49	<=34.77	Pass	
		50	0	19.95	-1.36	16.44	<=34.77	Pass	
		693	1	0	20.97	-1.36	17.46	<=34.77	Pass
				25	21.01	-1.36	17.50	<=34.77	Pass
49				21.05	-1.36	17.54	<=34.77	Pass	
25			0	19.93	-1.36	16.42	<=34.77	Pass	
			13	19.83	-1.36	16.32	<=34.77	Pass	
			25	19.82	-1.36	16.31	<=34.77	Pass	
50		0	19.79	-1.36	16.28	<=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	21.95	-1.36	18.44	<=34.77	Pass
			38	22.05	-1.36	18.54	<=34.77	Pass
			74	21.87	-1.36	18.36	<=34.77	Pass

	680.5	36	0	20.98	-1.36	17.47	<=34.77	Pass	
			18	21.03	-1.36	17.52	<=34.77	Pass	
			39	21.04	-1.36	17.53	<=34.77	Pass	
		75	1	0	21.02	-1.36	17.51	<=34.77	Pass
				0	21.96	-1.36	18.45	<=34.77	Pass
				38	22.07	-1.36	18.56	<=34.77	Pass
		36	74	0	21.90	-1.36	18.39	<=34.77	Pass
				0	21.04	-1.36	17.53	<=34.77	Pass
				18	21.01	-1.36	17.50	<=34.77	Pass
	75	39	0	21.03	-1.36	17.52	<=34.77	Pass	
			0	21.06	-1.36	17.55	<=34.77	Pass	
			0	21.81	-1.36	18.30	<=34.77	Pass	
	690.5	1	38	21.87	-1.36	18.36	<=34.77	Pass	
			74	21.85	-1.36	18.34	<=34.77	Pass	
			0	20.87	-1.36	17.36	<=34.77	Pass	
		36	18	0	20.90	-1.36	17.39	<=34.77	Pass
				39	20.84	-1.36	17.33	<=34.77	Pass
				0	20.87	-1.36	17.36	<=34.77	Pass
		75	0	0	21.28	-1.36	17.77	<=34.77	Pass
				38	21.44	-1.36	17.93	<=34.77	Pass
				74	21.31	-1.36	17.80	<=34.77	Pass
	16QAM	670.5	1	0	19.96	-1.36	16.45	<=34.77	Pass
				18	19.94	-1.36	16.43	<=34.77	Pass
				39	19.99	-1.36	16.48	<=34.77	Pass
36			75	0	19.92	-1.36	16.41	<=34.77	Pass
				0	20.89	-1.36	17.38	<=34.77	Pass
				38	21.01	-1.36	17.50	<=34.77	Pass
680.5		1	74	20.89	-1.36	17.38	<=34.77	Pass	
			0	19.99	-1.36	16.48	<=34.77	Pass	
			18	19.92	-1.36	16.41	<=34.77	Pass	
36	39	0	19.98	-1.36	16.47	<=34.77	Pass		
		0	19.97	-1.36	16.46	<=34.77	Pass		
		0	20.97	-1.36	17.46	<=34.77	Pass		
690.5	1	38	21.00	-1.36	17.49	<=34.77	Pass		
		74	20.98	-1.36	17.47	<=34.77	Pass		
		0	19.84	-1.36	16.33	<=34.77	Pass		
	36	18	0	19.86	-1.36	16.35	<=34.77	Pass	
			39	19.84	-1.36	16.33	<=34.77	Pass	
			0	19.82	-1.36	16.31	<=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	21.78	-1.36	18.27	<=34.77	Pass	
			50	22.20	-1.36	18.69	<=34.77	Pass	
			99	21.80	-1.36	18.29	<=34.77	Pass	
		50	0	20.74	-1.36	17.23	<=34.77	Pass	
			25	20.94	-1.36	17.43	<=34.77	Pass	
			50	20.86	-1.36	17.35	<=34.77	Pass	
	683	100	0	0	20.79	-1.36	17.28	<=34.77	Pass
				0	21.75	-1.36	18.24	<=34.77	Pass
				50	22.13	-1.36	18.62	<=34.77	Pass

16QAM	688	50	99	21.70	-1.36	18.19	<=34.77	Pass	
			0	21.08	-1.36	17.57	<=34.77	Pass	
			25	20.95	-1.36	17.44	<=34.77	Pass	
			50	21.00	-1.36	17.49	<=34.77	Pass	
		100	0	20.98	-1.36	17.47	<=34.77	Pass	
		1	0	21.68	-1.36	18.17	<=34.77	Pass	
			50	21.96	-1.36	18.45	<=34.77	Pass	
			99	21.60	-1.36	18.09	<=34.77	Pass	
			0	20.71	-1.36	17.20	<=34.77	Pass	
		50	25	20.85	-1.36	17.34	<=34.77	Pass	
			50	20.72	-1.36	17.21	<=34.77	Pass	
			100	0	20.78	-1.36	17.27	<=34.77	Pass
	0		20.89	-1.36	17.38	<=34.77	Pass		
	673	1	50	21.27	-1.36	17.76	<=34.77	Pass	
			99	20.91	-1.36	17.40	<=34.77	Pass	
			0	19.71	-1.36	16.20	<=34.77	Pass	
			25	19.89	-1.36	16.38	<=34.77	Pass	
		50	50	19.78	-1.36	16.27	<=34.77	Pass	
			100	0	19.73	-1.36	16.22	<=34.77	Pass
			0	20.90	-1.36	17.39	<=34.77	Pass	
			50	21.27	-1.36	17.76	<=34.77	Pass	
		683	1	99	20.84	-1.36	17.33	<=34.77	Pass
				0	19.93	-1.36	16.42	<=34.77	Pass
				25	19.91	-1.36	16.40	<=34.77	Pass
50				19.99	-1.36	16.48	<=34.77	Pass	
50	100		0	20.01	-1.36	16.50	<=34.77	Pass	
	0		21.01	-1.36	17.50	<=34.77	Pass		
	50		21.34	-1.36	17.83	<=34.77	Pass		
	99		20.99	-1.36	17.48	<=34.77	Pass		
688	1		0	19.74	-1.36	16.23	<=34.77	Pass	
			25	19.79	-1.36	16.28	<=34.77	Pass	
			50	19.71	-1.36	16.20	<=34.77	Pass	
			100	0	19.72	-1.36	16.21	<=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	-8.841	-0.0133	-2.5 to 2.5	Pass			
					3.85	-8.311	-0.0125	-2.5 to 2.5	Pass			
					4.43	-7.367	-0.0111	-2.5 to 2.5	Pass			
				-30	3.85	-5.593	-0.0084	-2.5 to 2.5	Pass			
				-20	3.85	-6.237	-0.0094	-2.5 to 2.5	Pass			
				-10	3.85	-4.249	-0.0064	-2.5 to 2.5	Pass			
				0	3.85	-10.672	-0.0160	-2.5 to 2.5	Pass			
				10	3.85	-8.597	-0.0129	-2.5 to 2.5	Pass			
				30	3.85	-1.903	-0.0029	-2.5 to 2.5	Pass			
				40	3.85	-6.323	-0.0095	-2.5 to 2.5	Pass			
				50	3.85	-6.652	-0.0100	-2.5 to 2.5	Pass			
				680.5	25	0	20	3.27	-8.926	-0.0131	-2.5 to 2.5	Pass

					3.85	-8.011	-0.0118	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0048	-2.5 to 2.5	Pass
					-30	3.85	-5.450	-0.0080	-2.5 to 2.5
				-20	3.85	-8.597	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	-10.586	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-9.112	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-8.812	-0.0129	-2.5 to 2.5	Pass
	50	3.85	-6.995	-0.0103	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-4.435	-0.0064	-2.5 to 2.5	Pass
					3.85	-7.939	-0.0114	-2.5 to 2.5	Pass
					4.43	-2.589	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-6.495	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-8.640	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0024	-2.5 to 2.5	Pass
30				3.85	-1.388	-0.0020	-2.5 to 2.5	Pass	
40	3.85	-6.781	-0.0097	-2.5 to 2.5	Pass				
50	3.85	-5.908	-0.0085	-2.5 to 2.5	Pass				
16QAM	665.5	25	0	20	3.27	-7.110	-0.0107	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0093	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-9.069	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-7.310	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-6.509	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-7.153	-0.0107	-2.5 to 2.5	Pass
	40	3.85	-4.106	-0.0062	-2.5 to 2.5	Pass			
	50	3.85	-6.437	-0.0097	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-4.449	-0.0065	-2.5 to 2.5	Pass
					3.85	-10.242	-0.0151	-2.5 to 2.5	Pass
					4.43	-7.367	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-11.044	-0.0162	-2.5 to 2.5	Pass
				-10	3.85	-4.449	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-8.140	-0.0120	-2.5 to 2.5	Pass
10				3.85	-3.748	-0.0055	-2.5 to 2.5	Pass	
30				3.85	-2.918	-0.0043	-2.5 to 2.5	Pass	
40	3.85	-7.567	-0.0111	-2.5 to 2.5	Pass				
50	3.85	-5.164	-0.0076	-2.5 to 2.5	Pass				
695.5	25	0	20	3.27	-5.879	-0.0085	-2.5 to 2.5	Pass	
				3.85	-7.324	-0.0105	-2.5 to 2.5	Pass	
				4.43	-1.688	-0.0024	-2.5 to 2.5	Pass	
			-30	3.85	-5.121	-0.0074	-2.5 to 2.5	Pass	
			-20	3.85	-3.920	-0.0056	-2.5 to 2.5	Pass	
			-10	3.85	-9.699	-0.0139	-2.5 to 2.5	Pass	
			0	3.85	-4.191	-0.0060	-2.5 to 2.5	Pass	
			10	3.85	-8.569	-0.0123	-2.5 to 2.5	Pass	
			30	3.85	-12.317	-0.0177	-2.5 to 2.5	Pass	
40	3.85	-3.877	-0.0056	-2.5 to 2.5	Pass				
50	3.85	-4.907	-0.0071	-2.5 to 2.5	Pass				

2.2 B71_10MHz

2.2.1 Test Result

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.27	-5.665	-0.0085	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0082	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.693	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-6.895	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-8.683	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-4.864	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0091	-2.5 to 2.5	Pass
	50	3.85	-7.868	-0.0118	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-8.783	-0.0129	-2.5 to 2.5	Pass
					3.85	-8.011	-0.0118	-2.5 to 2.5	Pass
					4.43	-7.682	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-7.610	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-3.347	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-9.742	-0.0143	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-10.657	-0.0157	-2.5 to 2.5	Pass
				40	3.85	-7.539	-0.0111	-2.5 to 2.5	Pass
	50	3.85	-8.311	-0.0122	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-8.025	-0.0116	-2.5 to 2.5	Pass
					3.85	-7.439	-0.0107	-2.5 to 2.5	Pass
					4.43	-7.482	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-7.782	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-6.609	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-9.155	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-9.241	-0.0133	-2.5 to 2.5	Pass
30				3.85	-3.562	-0.0051	-2.5 to 2.5	Pass	
40				3.85	-5.765	-0.0083	-2.5 to 2.5	Pass	
50	3.85	-5.679	-0.0082	-2.5 to 2.5	Pass				
16QAM	668	50	0	20	3.27	-5.450	-0.0082	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0043	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-9.370	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-5.894	-0.0088	-2.5 to 2.5	Pass
	50	3.85	-8.297	-0.0124	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-3.920	-0.0058	-2.5 to 2.5	Pass
					3.85	-7.396	-0.0109	-2.5 to 2.5	Pass
					4.43	-9.370	-0.0138	-2.5 to 2.5	Pass
				-30	3.85	-6.566	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-7.381	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.193	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-8.183	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-12.059	-0.0177	-2.5 to 2.5	Pass
40				3.85	-10.757	-0.0158	-2.5 to 2.5	Pass	

	693	50	0	50	3.85	-4.935	-0.0073	-2.5 to 2.5	Pass
				20	3.27	-4.492	-0.0065	-2.5 to 2.5	Pass
					3.85	-10.343	-0.0149	-2.5 to 2.5	Pass
					4.43	-9.212	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-5.851	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-5.679	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-4.334	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-10.614	-0.0153	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0104	-2.5 to 2.5	Pass

2.3 B71_15MHz

2.3.1 Test Result

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	3.27	-5.651	-0.0084	-2.5 to 2.5	Pass
					3.85	-5.250	-0.0078	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-5.550	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-3.419	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-4.964	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-8.998	-0.0134	-2.5 to 2.5	Pass
				680.5	75	0	20	3.27	-8.068
	3.85	-8.011	-0.0118					-2.5 to 2.5	Pass
	4.43	-4.506	-0.0066					-2.5 to 2.5	Pass
	-30	3.85	-5.250				-0.0077	-2.5 to 2.5	Pass
	-20	3.85	-4.735				-0.0070	-2.5 to 2.5	Pass
	-10	3.85	-10.571				-0.0155	-2.5 to 2.5	Pass
	0	3.85	-7.296				-0.0107	-2.5 to 2.5	Pass
	10	3.85	-6.852				-0.0101	-2.5 to 2.5	Pass
	30	3.85	-5.550				-0.0082	-2.5 to 2.5	Pass
	40	3.85	-4.721				-0.0069	-2.5 to 2.5	Pass
	50	3.85	-5.150				-0.0076	-2.5 to 2.5	Pass
	690.5	75	0				20	3.27	-6.580
				3.85	-7.925	-0.0115		-2.5 to 2.5	Pass
				4.43	-5.178	-0.0075		-2.5 to 2.5	Pass
				-30	3.85	-7.567	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-8.268	-0.0120	-2.5 to 2.5	Pass
30				3.85	-8.969	-0.0130	-2.5 to 2.5	Pass	
40				3.85	-2.418	-0.0035	-2.5 to 2.5	Pass	
50				3.85	-5.407	-0.0078	-2.5 to 2.5	Pass	
16QAM				670.5	75	0	20	3.27	-3.462
	3.85	-7.124	-0.0106					-2.5 to 2.5	Pass
	4.43	-7.153	-0.0107					-2.5 to 2.5	Pass
	-30	3.85	-4.392				-0.0066	-2.5 to 2.5	Pass

	680.5	75	0	-20	3.85	-7.324	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-10.686	-0.0159	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-6.938	-0.0103	-2.5 to 2.5	Pass
	50	3.85	-9.928	-0.0148	-2.5 to 2.5	Pass			
	690.5	75	0	20	3.27	-7.024	-0.0103	-2.5 to 2.5	Pass
					3.85	-4.292	-0.0063	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-9.055	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-7.553	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-7.596	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-6.866	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-7.582	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-3.862	-0.0057	-2.5 to 2.5	Pass
				690.5	75	0	20	3.27	-7.954
	3.85	-9.785	-0.0142					-2.5 to 2.5	Pass
	4.43	-7.639	-0.0111					-2.5 to 2.5	Pass
	-30	3.85	-8.597				-0.0125	-2.5 to 2.5	Pass
	-20	3.85	-5.765				-0.0083	-2.5 to 2.5	Pass
	-10	3.85	-6.952				-0.0101	-2.5 to 2.5	Pass
	0	3.85	-8.240				-0.0119	-2.5 to 2.5	Pass
	10	3.85	-4.377				-0.0063	-2.5 to 2.5	Pass
	30	3.85	-7.253				-0.0105	-2.5 to 2.5	Pass
	40	3.85	-7.625				-0.0110	-2.5 to 2.5	Pass
	50	3.85	-7.782				-0.0113	-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	-6.824	-0.0101	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0118	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-7.982	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.566	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0082	-2.5 to 2.5	Pass
				683	100	0	20	3.27	-10.014
	3.85	-7.925	-0.0116					-2.5 to 2.5	Pass
	4.43	-9.427	-0.0138					-2.5 to 2.5	Pass
	-30	3.85	-13.089				-0.0192	-2.5 to 2.5	Pass
	-20	3.85	-4.849				-0.0071	-2.5 to 2.5	Pass
	-10	3.85	-10.543				-0.0154	-2.5 to 2.5	Pass
	0	3.85	-8.941				-0.0131	-2.5 to 2.5	Pass
	10	3.85	-2.346				-0.0034	-2.5 to 2.5	Pass
	30	3.85	-7.052				-0.0103	-2.5 to 2.5	Pass

	688	100	0	40	3.85	-7.238	-0.0106	-2.5 to 2.5	Pass				
				50	3.85	-9.599	-0.0141	-2.5 to 2.5	Pass				
				20	3.27	-8.197	-0.0119	-2.5 to 2.5	Pass				
					3.85	-8.497	-0.0124	-2.5 to 2.5	Pass				
					4.43	-6.680	-0.0097	-2.5 to 2.5	Pass				
				-30	3.85	-12.460	-0.0181	-2.5 to 2.5	Pass				
				-20	3.85	-6.366	-0.0093	-2.5 to 2.5	Pass				
				-10	3.85	-6.537	-0.0095	-2.5 to 2.5	Pass				
				0	3.85	-7.496	-0.0109	-2.5 to 2.5	Pass				
				10	3.85	-6.866	-0.0100	-2.5 to 2.5	Pass				
				30	3.85	-5.665	-0.0082	-2.5 to 2.5	Pass				
				40	3.85	-8.097	-0.0118	-2.5 to 2.5	Pass				
				50	3.85	-6.280	-0.0091	-2.5 to 2.5	Pass				
				16QAM	673	100	0	20	3.27	-4.807	-0.0071	-2.5 to 2.5	Pass
									3.85	-9.112	-0.0135	-2.5 to 2.5	Pass
									4.43	-7.381	-0.0110	-2.5 to 2.5	Pass
								-30	3.85	-5.136	-0.0076	-2.5 to 2.5	Pass
								-20	3.85	-5.150	-0.0077	-2.5 to 2.5	Pass
								-10	3.85	-7.238	-0.0108	-2.5 to 2.5	Pass
0	3.85	-9.069	-0.0135					-2.5 to 2.5	Pass				
10	3.85	-6.151	-0.0091					-2.5 to 2.5	Pass				
30	3.85	-10.629	-0.0158					-2.5 to 2.5	Pass				
40	3.85	-10.943	-0.0163					-2.5 to 2.5	Pass				
50	3.85	-5.822	-0.0087		-2.5 to 2.5	Pass							
683	100	0	20		3.27	-9.713	-0.0142	-2.5 to 2.5	Pass				
					3.85	-5.794	-0.0085	-2.5 to 2.5	Pass				
					4.43	-8.340	-0.0122	-2.5 to 2.5	Pass				
			-30		3.85	-4.663	-0.0068	-2.5 to 2.5	Pass				
			-20		3.85	-8.082	-0.0118	-2.5 to 2.5	Pass				
			-10		3.85	-7.510	-0.0110	-2.5 to 2.5	Pass				
			0		3.85	-5.865	-0.0086	-2.5 to 2.5	Pass				
			10		3.85	-8.740	-0.0128	-2.5 to 2.5	Pass				
			30	3.85	-1.645	-0.0024	-2.5 to 2.5	Pass					
			40	3.85	-10.343	-0.0151	-2.5 to 2.5	Pass					
50	3.85	-7.195	-0.0105	-2.5 to 2.5	Pass								
688	100	0	20	3.27	-8.082	-0.0117	-2.5 to 2.5	Pass					
				3.85	-6.580	-0.0096	-2.5 to 2.5	Pass					
				4.43	-7.896	-0.0115	-2.5 to 2.5	Pass					
			-30	3.85	-6.495	-0.0094	-2.5 to 2.5	Pass					
			-20	3.85	-8.168	-0.0119	-2.5 to 2.5	Pass					
			-10	3.85	-6.008	-0.0087	-2.5 to 2.5	Pass					
			0	3.85	-9.842	-0.0143	-2.5 to 2.5	Pass					
			10	3.85	-5.879	-0.0085	-2.5 to 2.5	Pass					
			30	3.85	-10.471	-0.0152	-2.5 to 2.5	Pass					
			40	3.85	-10.800	-0.0157	-2.5 to 2.5	Pass					
50	3.85	-5.879	-0.0085	-2.5 to 2.5	Pass								

3. Modulation Characteristics

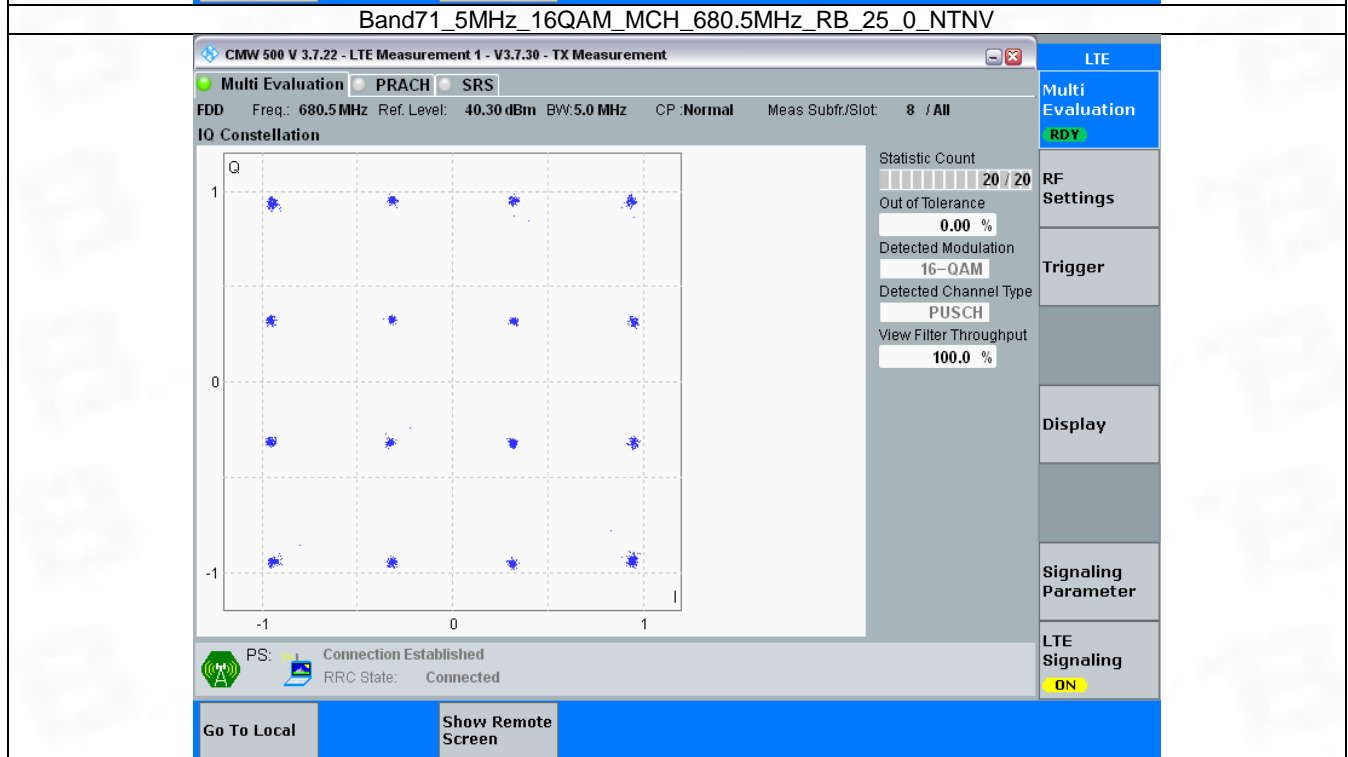
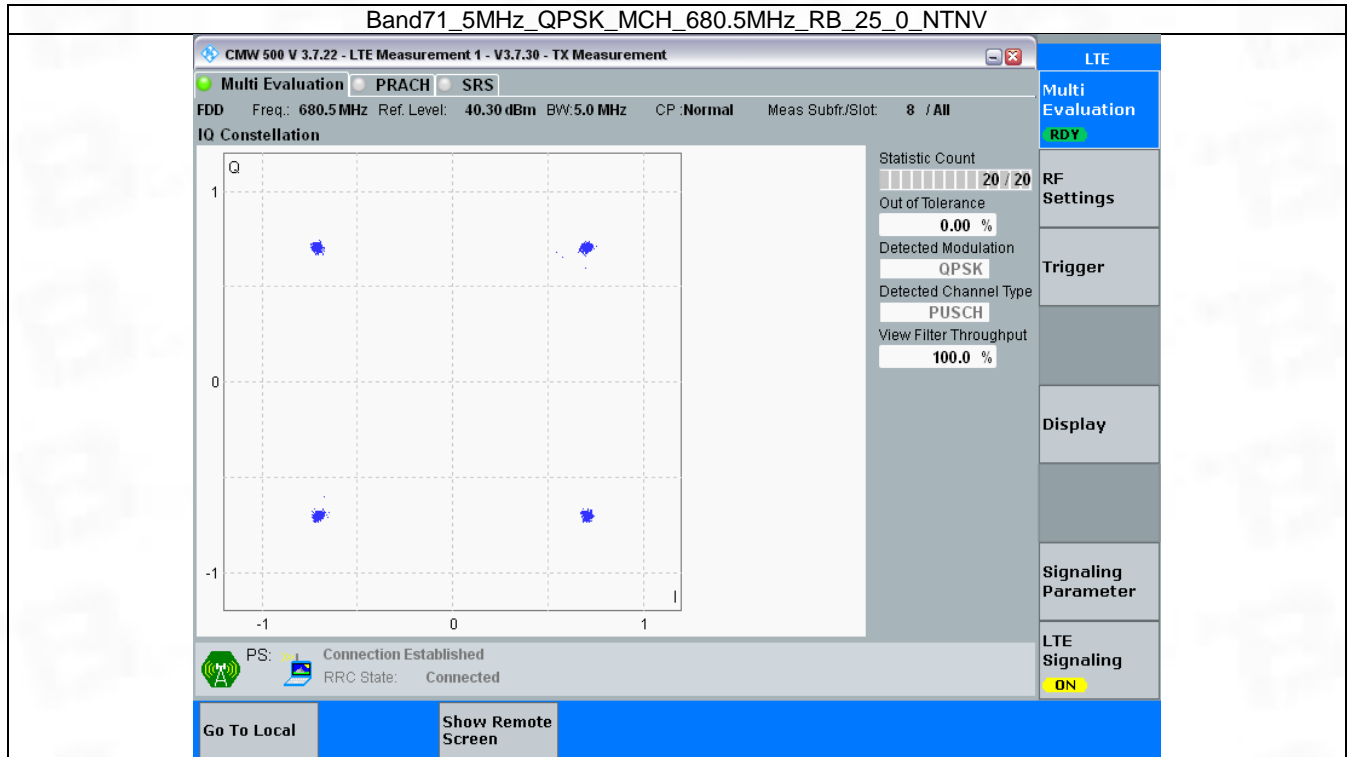
3.1 B71_5MHz

3.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

QPSK	680.5	25	0	Refer To Test Graph	Pass
16QAM	680.5	25	0	Refer To Test Graph	Pass

3.1.2 Test Graph

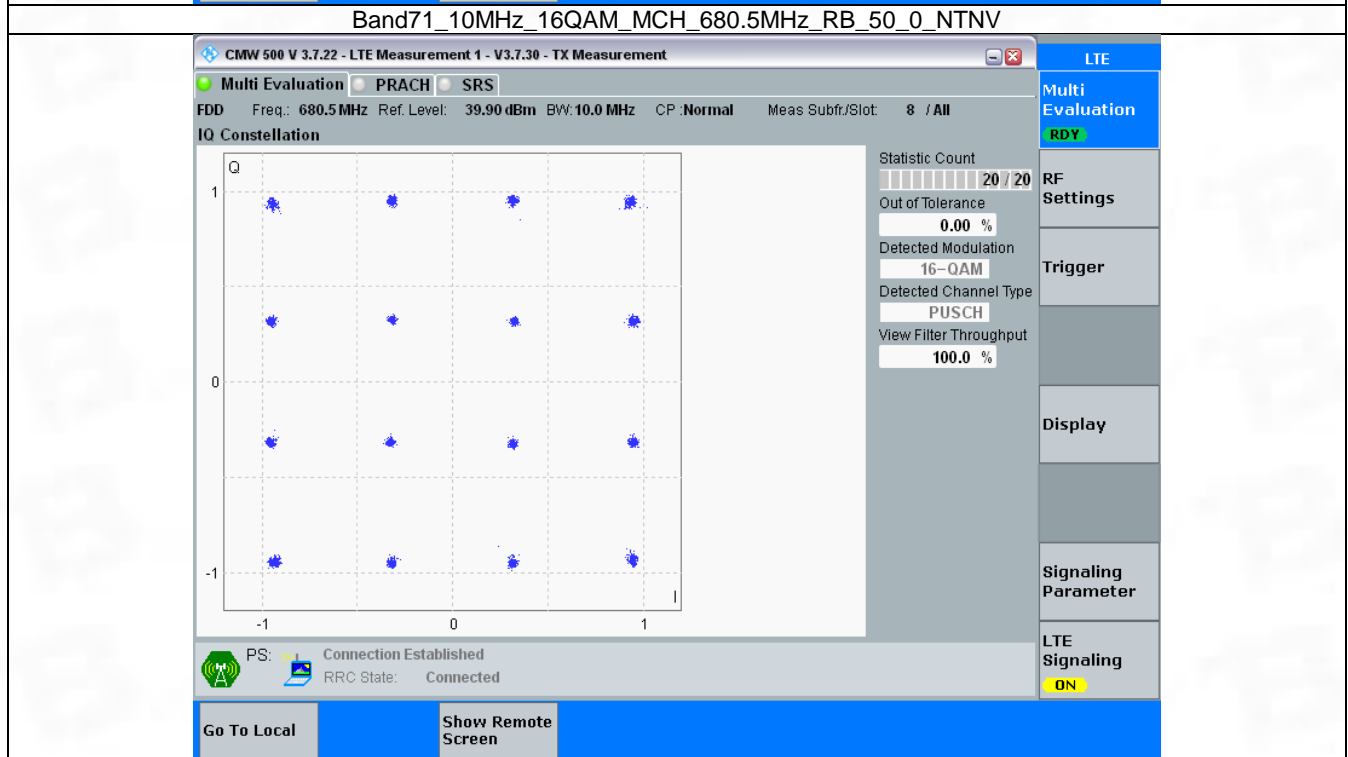
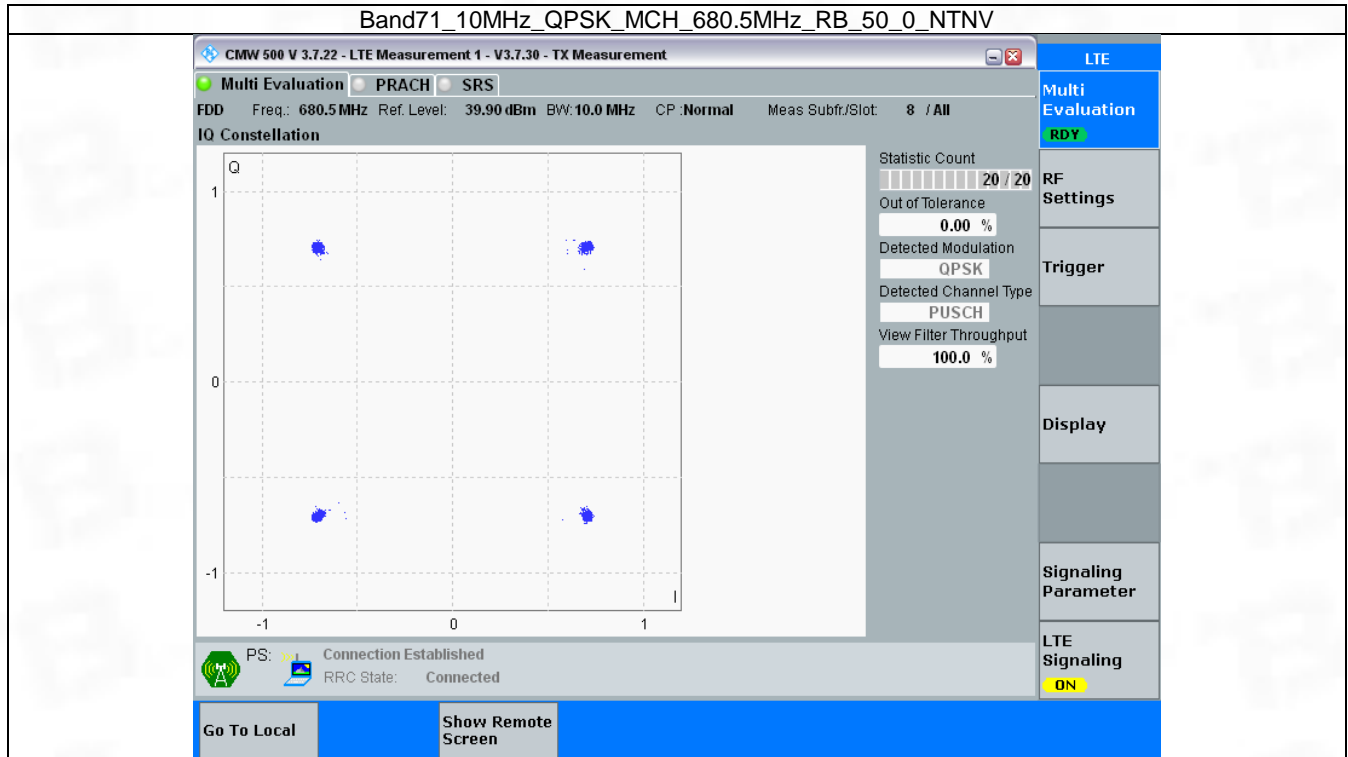


3.2 B71_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph

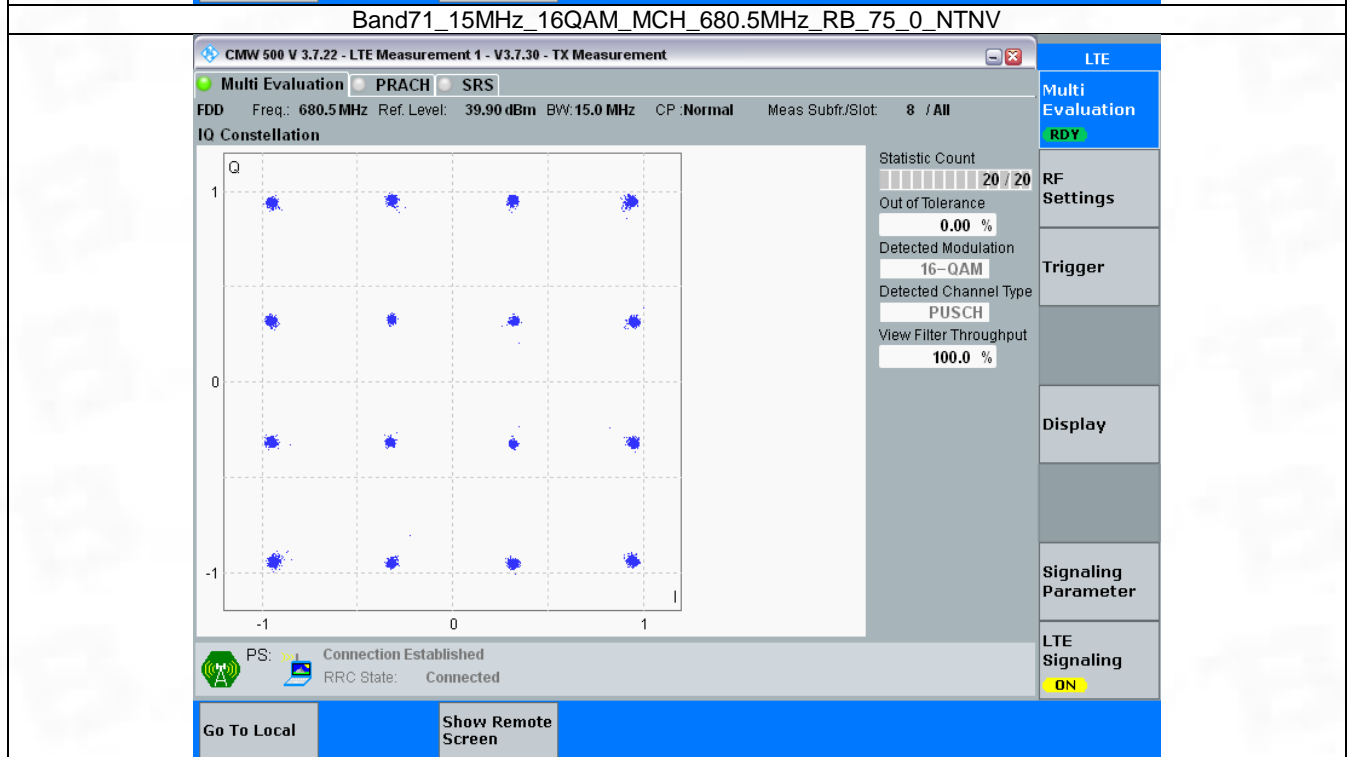
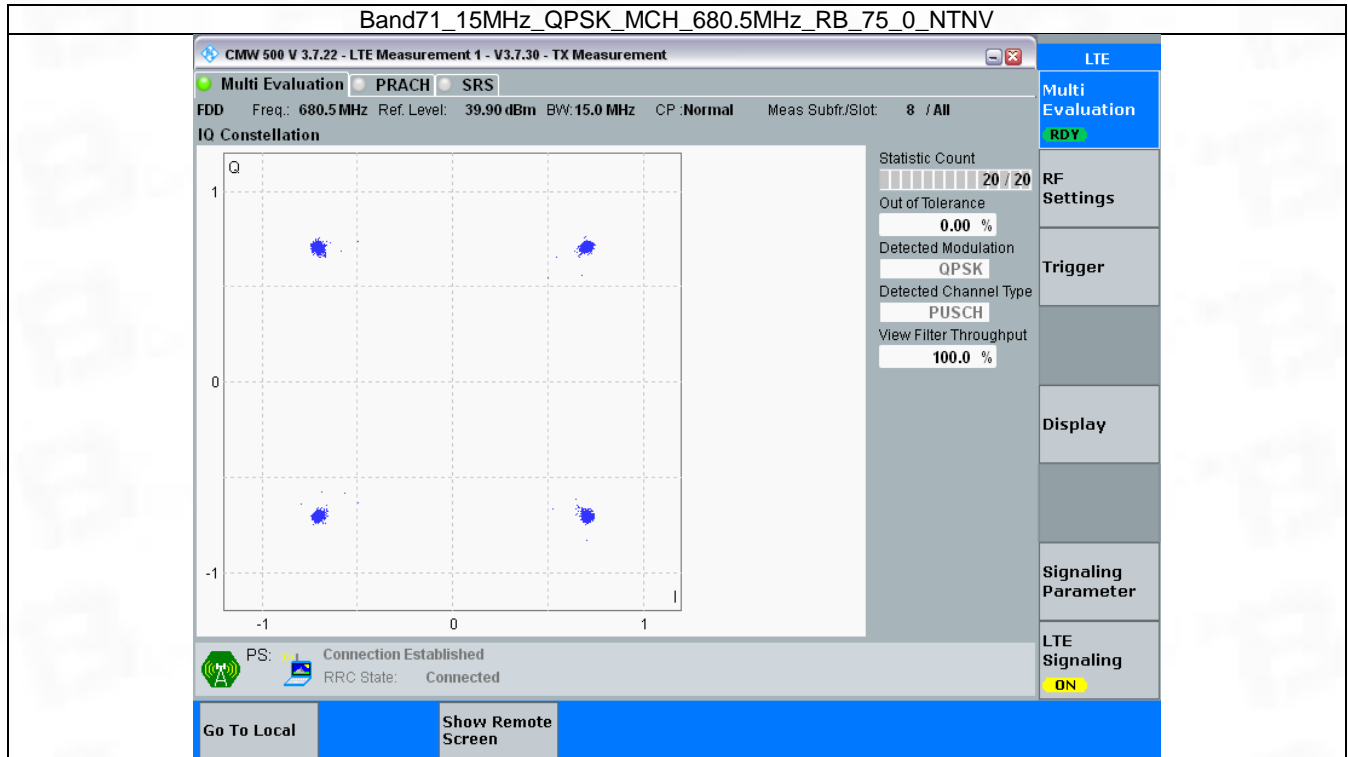


3.3 B71_15MHz

3.3.1 Test Result

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

3.3.2 Test Graph

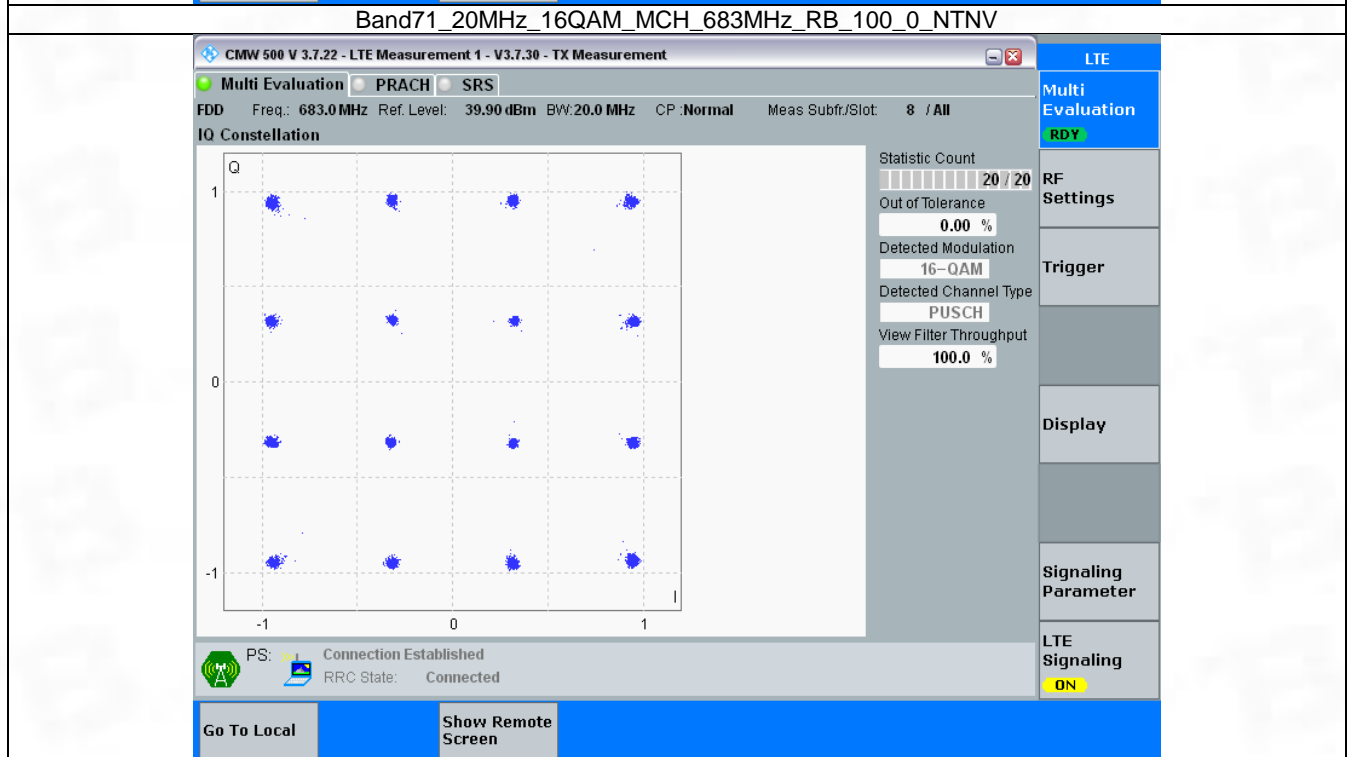
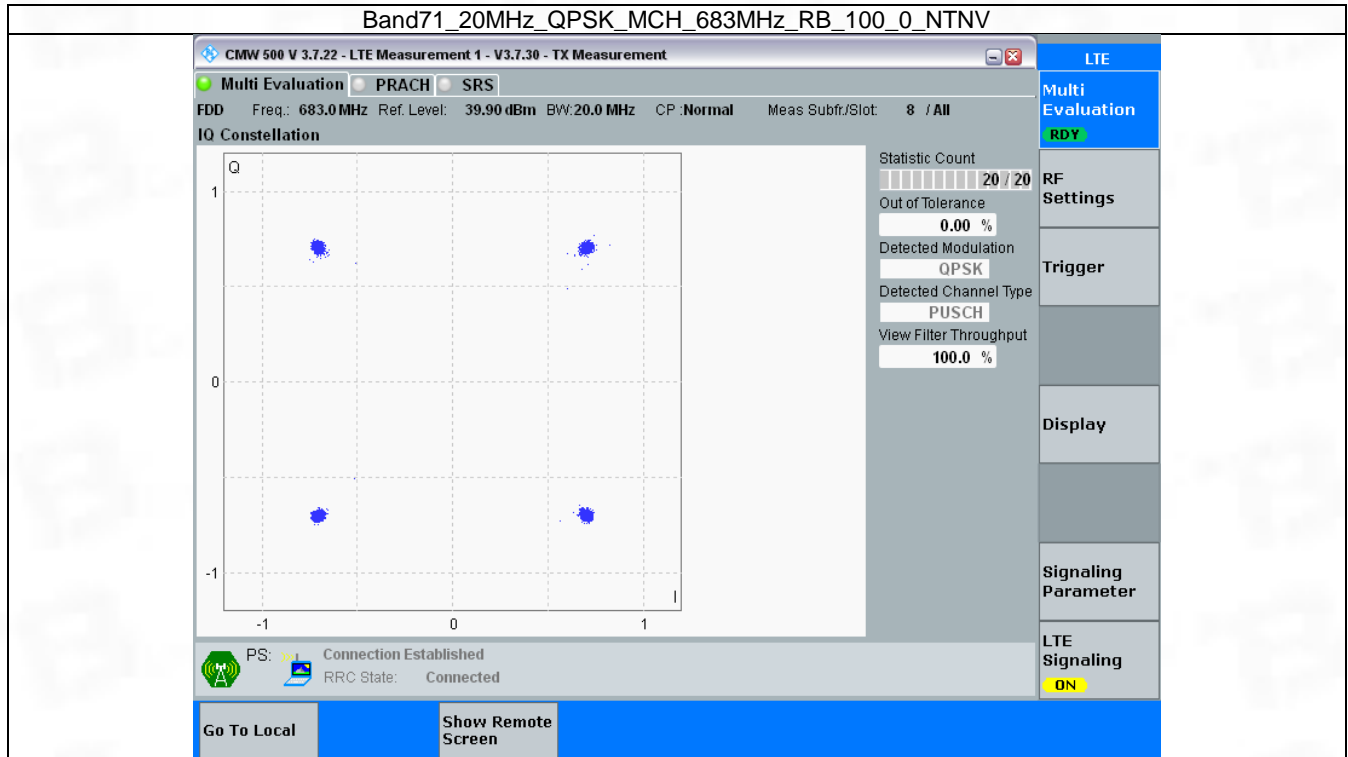


3.4 B71_20MHz

3.4.1 Test Result

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

3.4.2 Test Graph



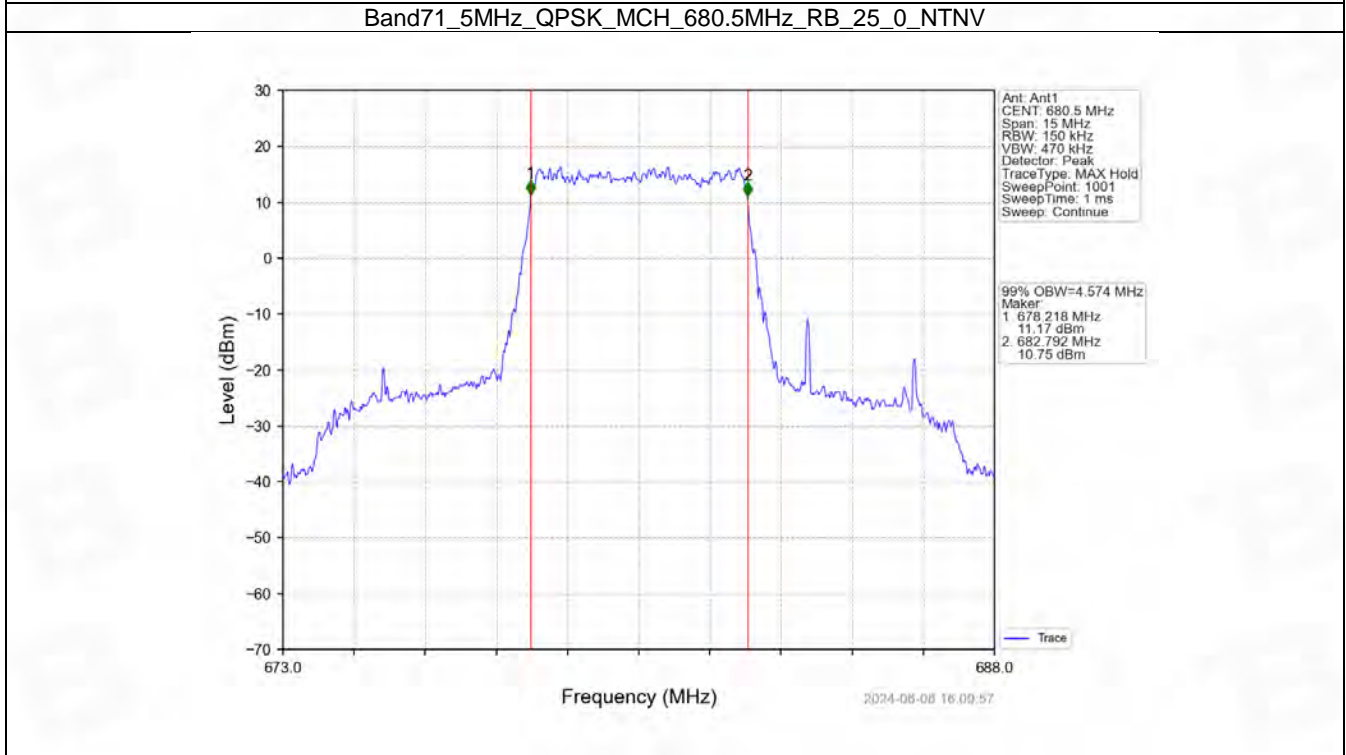
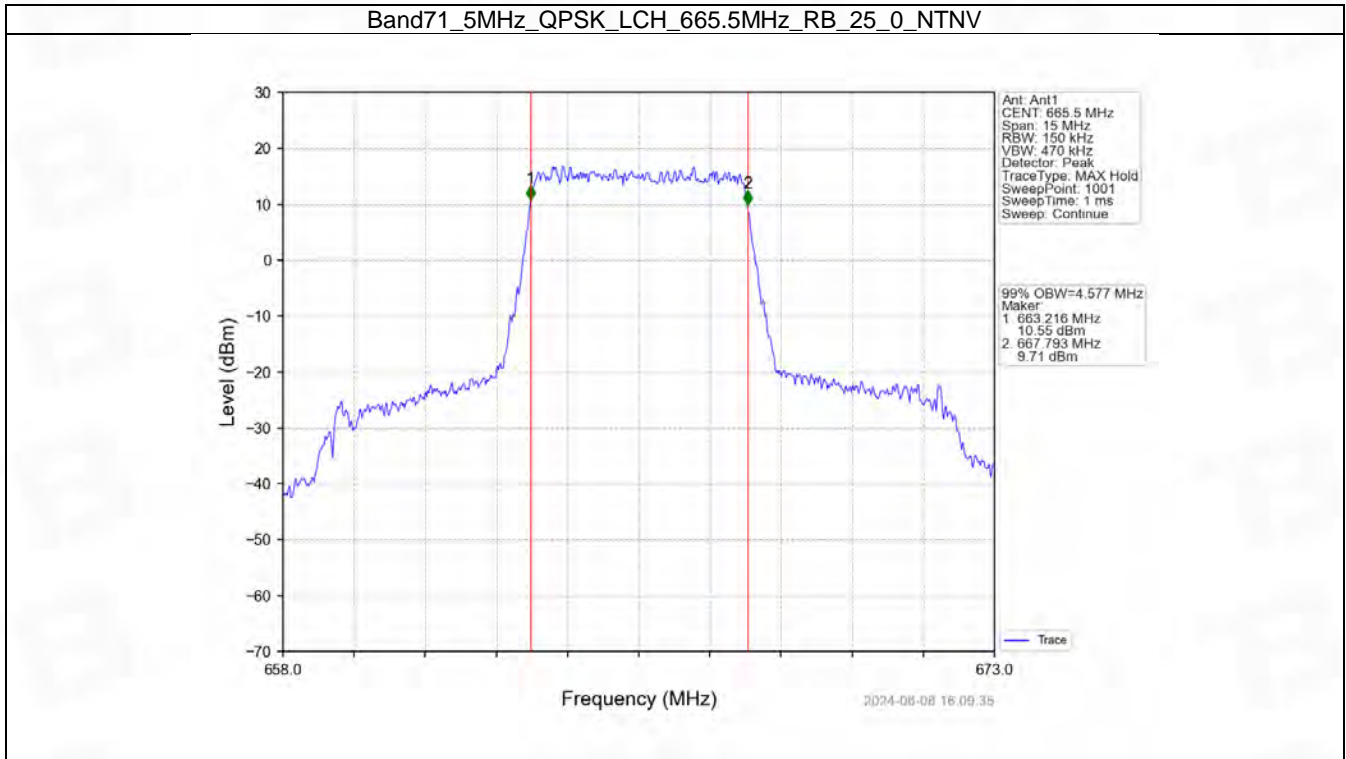
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

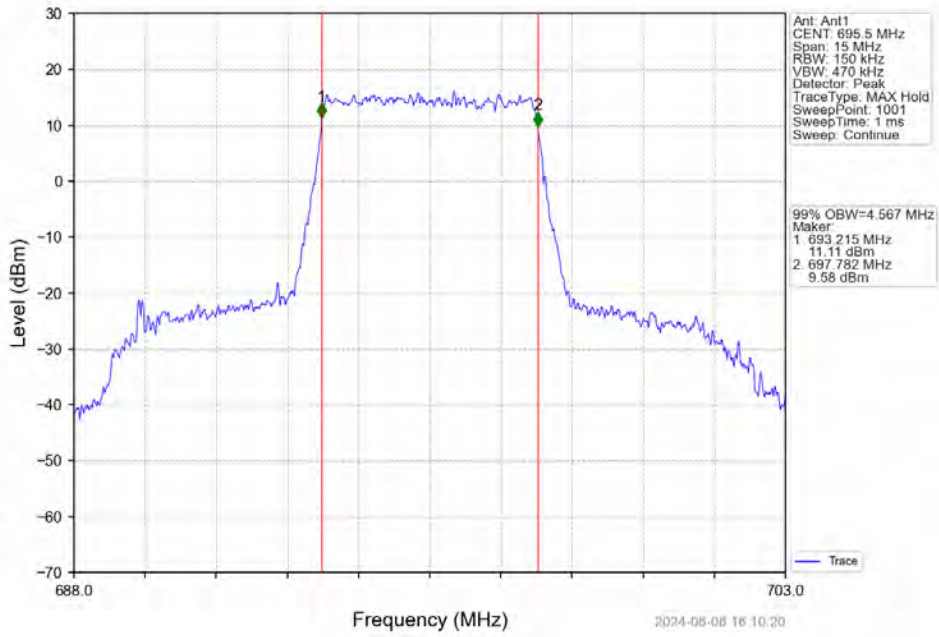
4.1.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.577	/	Pass
		680.5	25	0	4.574	/	Pass
		695.5	25	0	4.567	/	Pass
	16QAM	665.5	25	0	4.560	/	Pass
		680.5	25	0	4.606	/	Pass
		695.5	25	0	4.593	/	Pass
10	QPSK	668	50	0	9.123	/	Pass
		680.5	50	0	9.110	/	Pass
		693	50	0	9.106	/	Pass
	16QAM	668	50	0	9.093	/	Pass
		680.5	50	0	9.096	/	Pass
		693	50	0	9.071	/	Pass
15	QPSK	670.5	75	0	13.640	/	Pass
		680.5	75	0	13.645	/	Pass
		690.5	75	0	13.607	/	Pass
	16QAM	670.5	75	0	13.607	/	Pass
		680.5	75	0	13.659	/	Pass
		690.5	75	0	13.649	/	Pass
20	QPSK	673	100	0	18.098	/	Pass
		683	100	0	18.186	/	Pass
		688	100	0	18.128	/	Pass
	16QAM	673	100	0	18.177	/	Pass
		683	100	0	18.216	/	Pass
		688	100	0	18.093	/	Pass

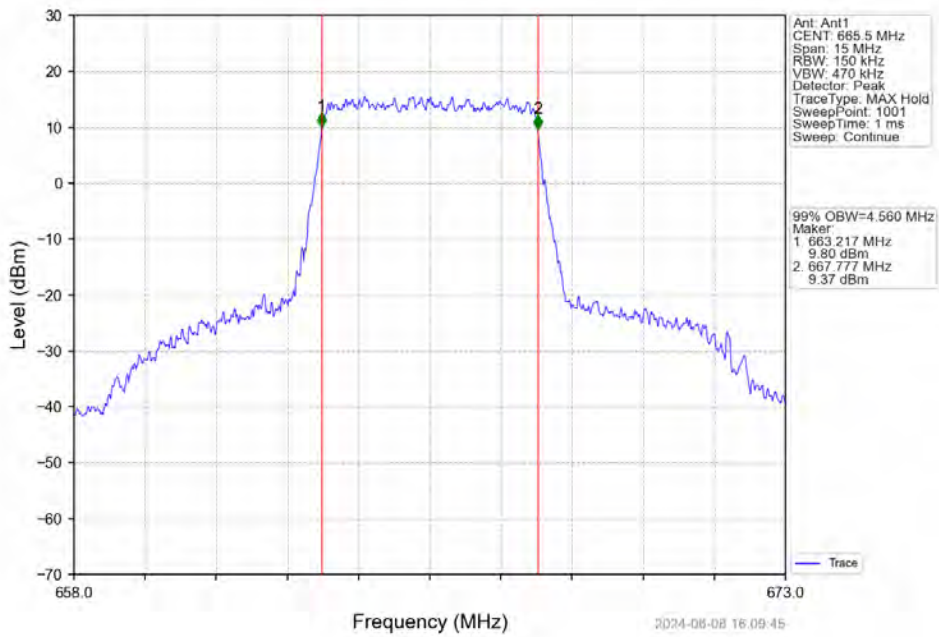
4.1.2 Test Graph



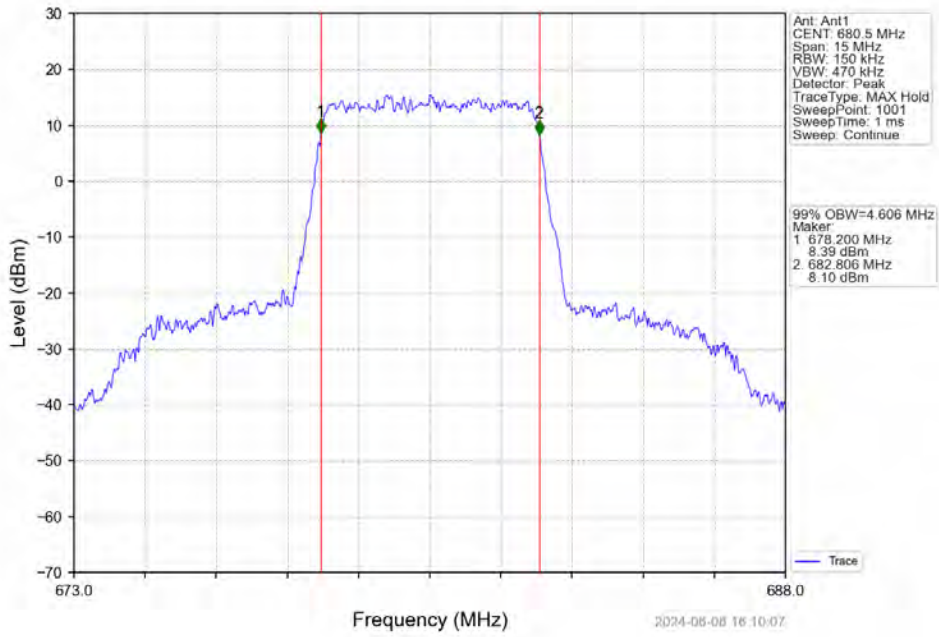
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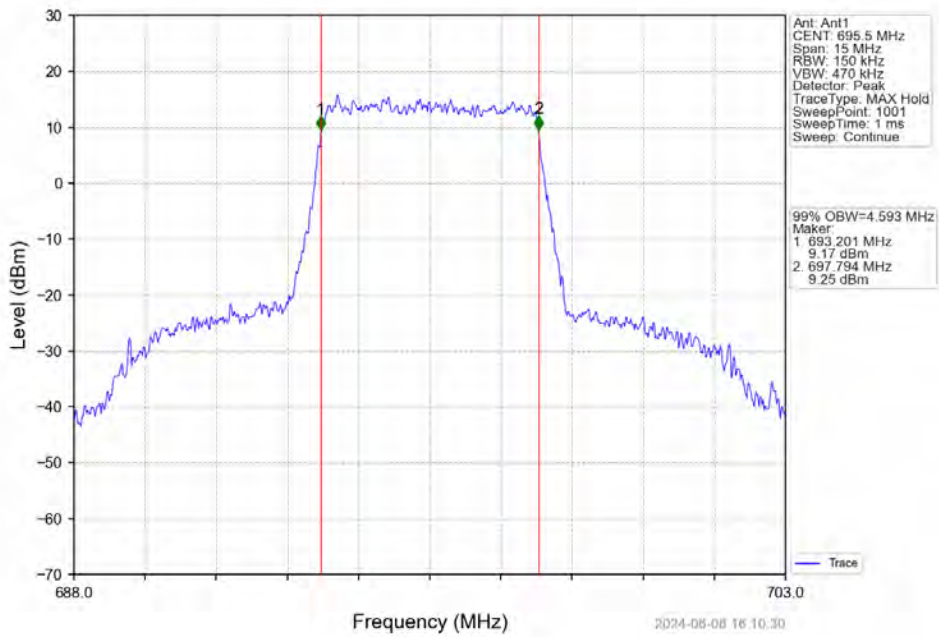
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



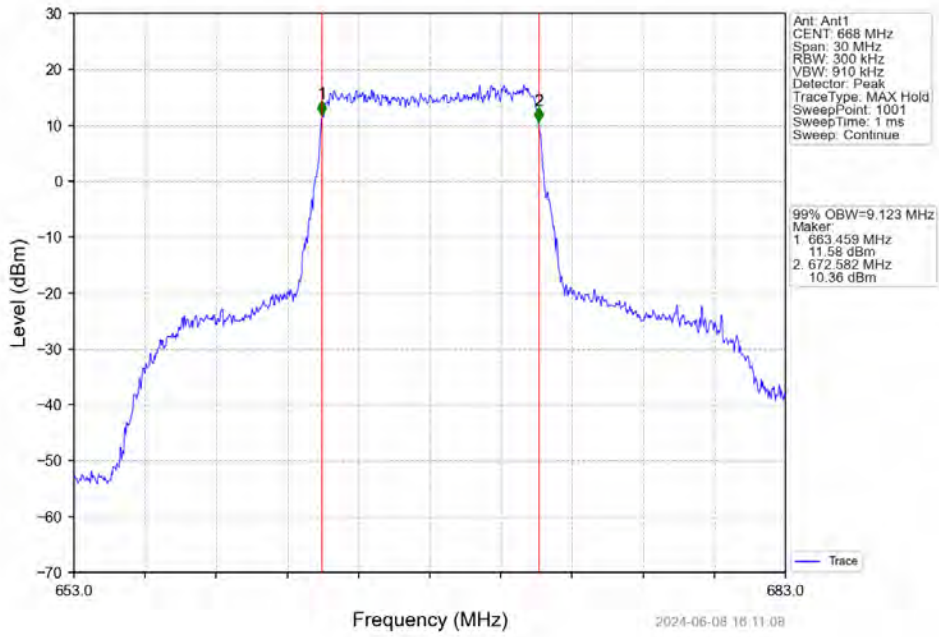
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



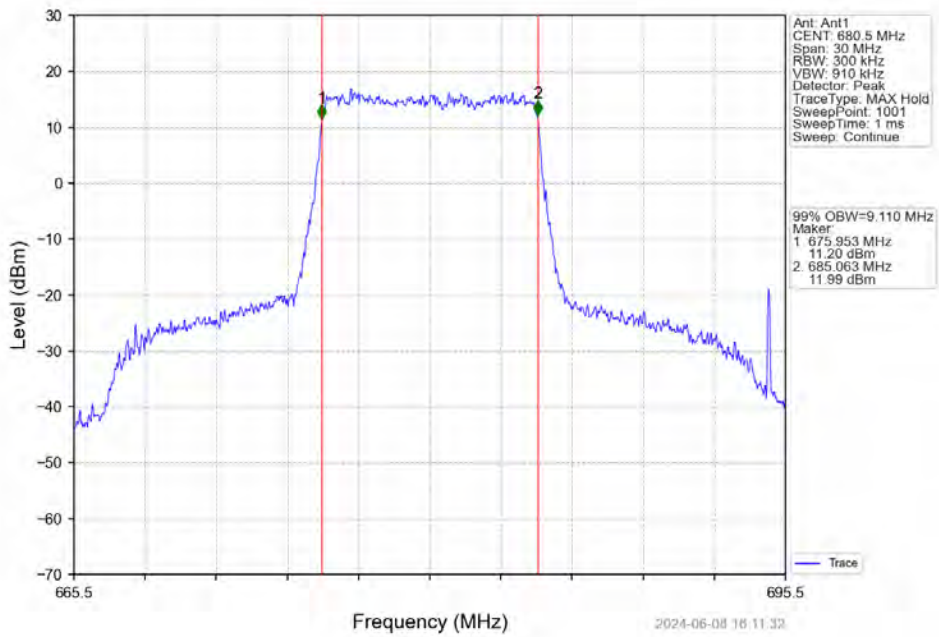
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



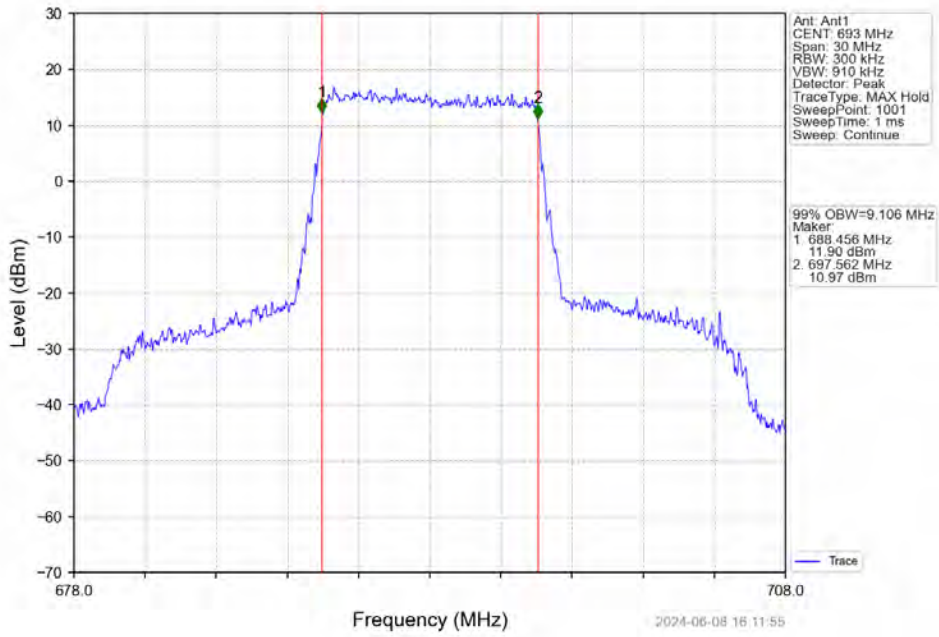
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



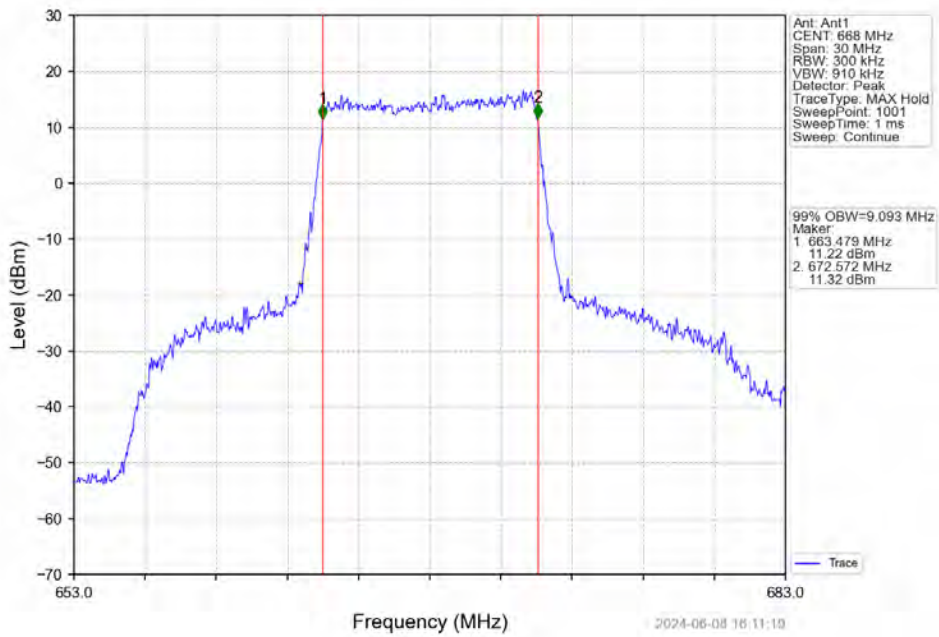
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



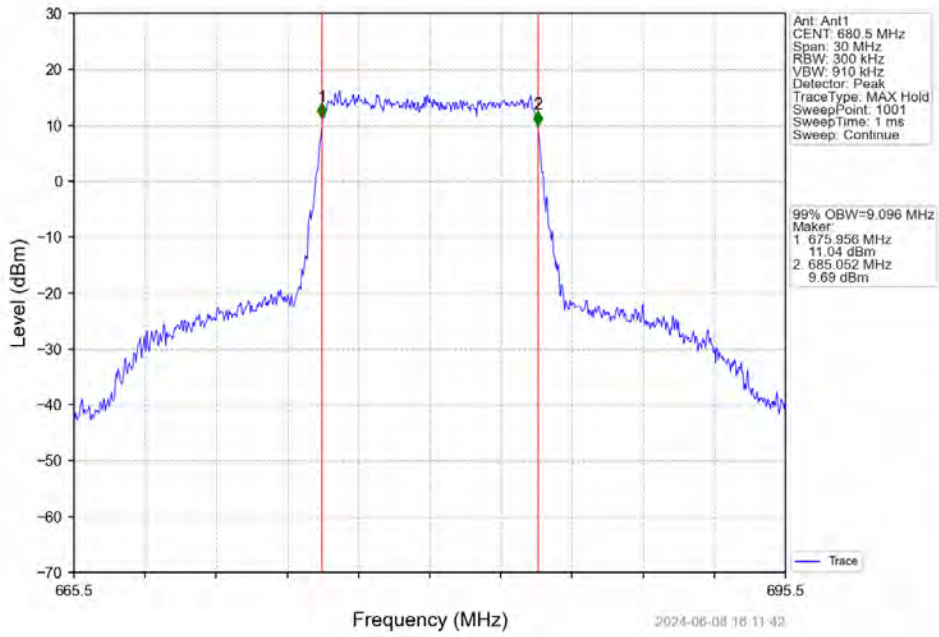
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



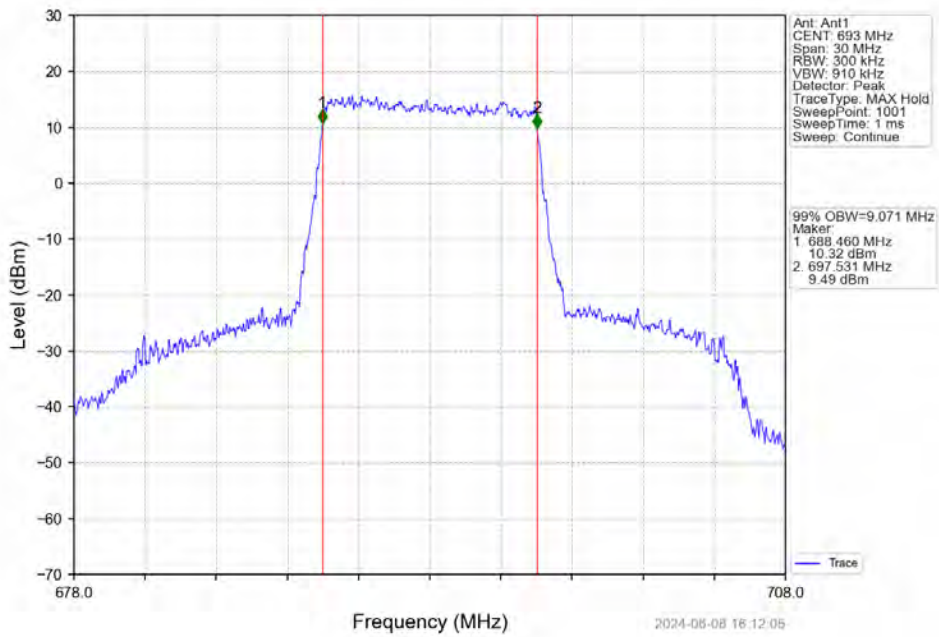
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



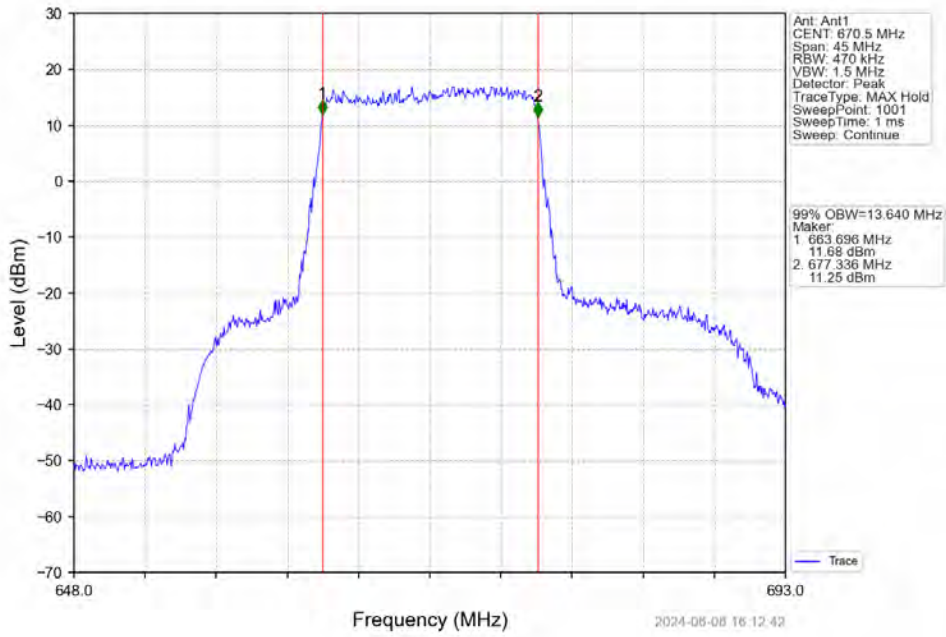
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



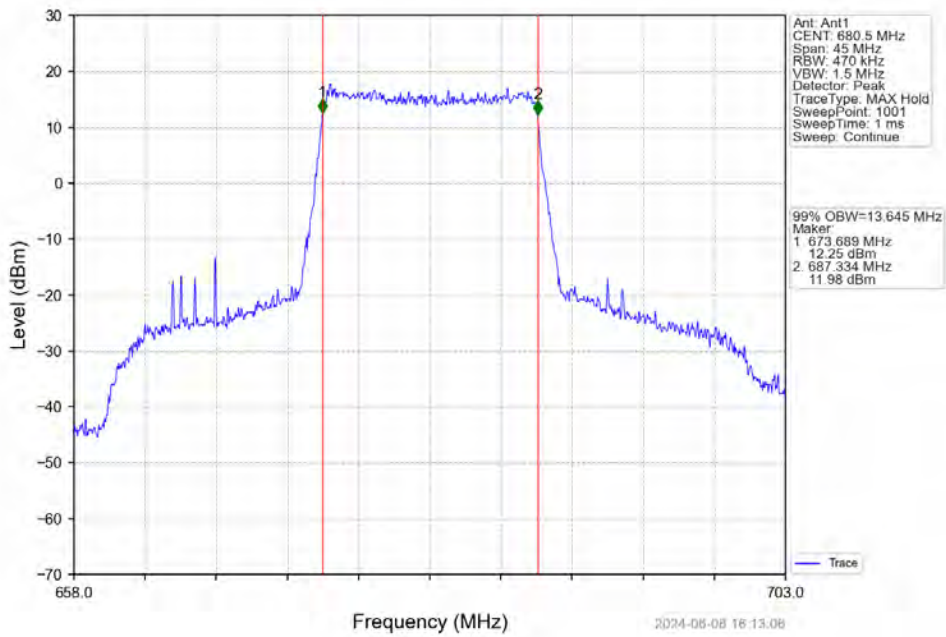
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



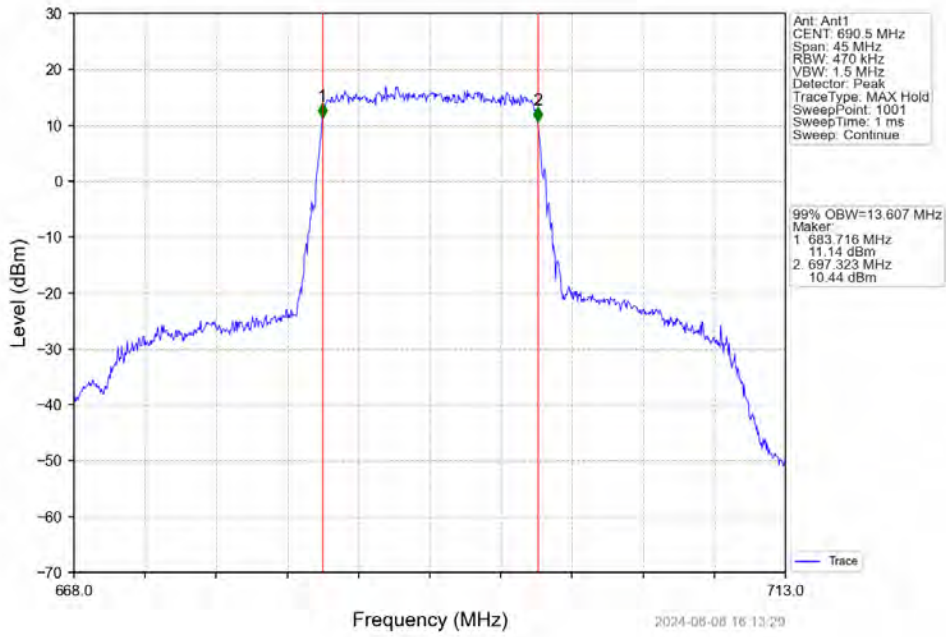
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



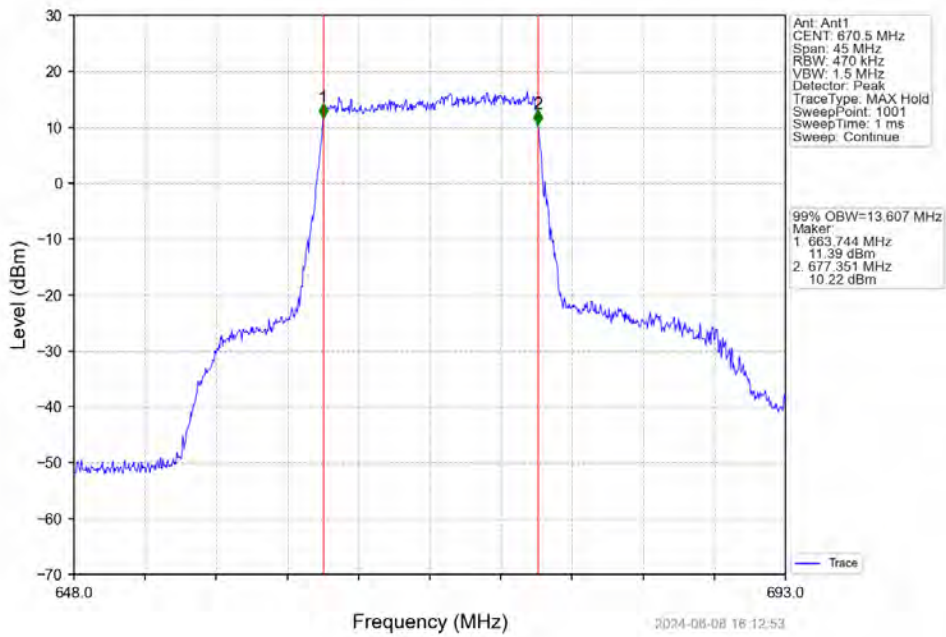
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



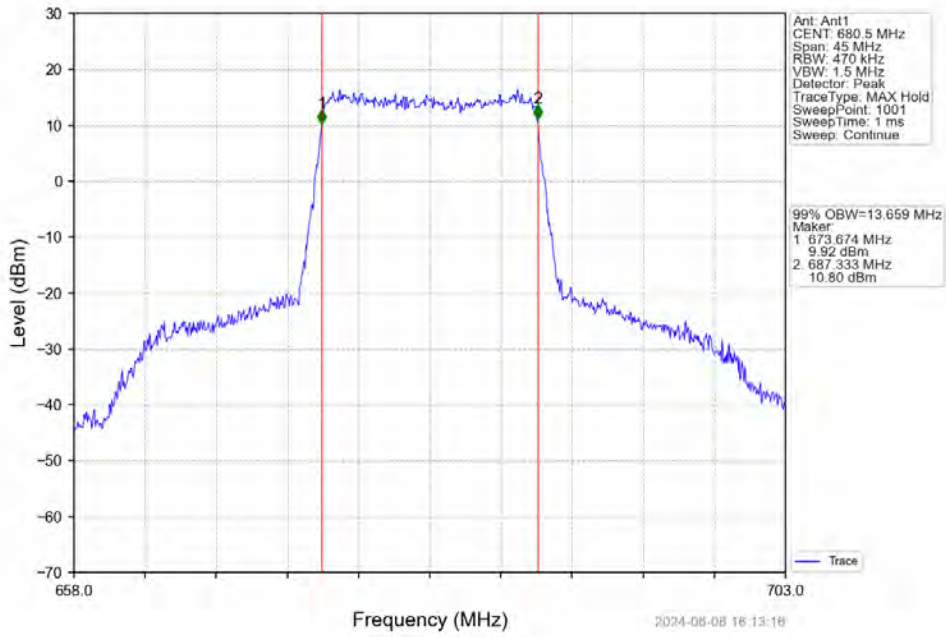
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



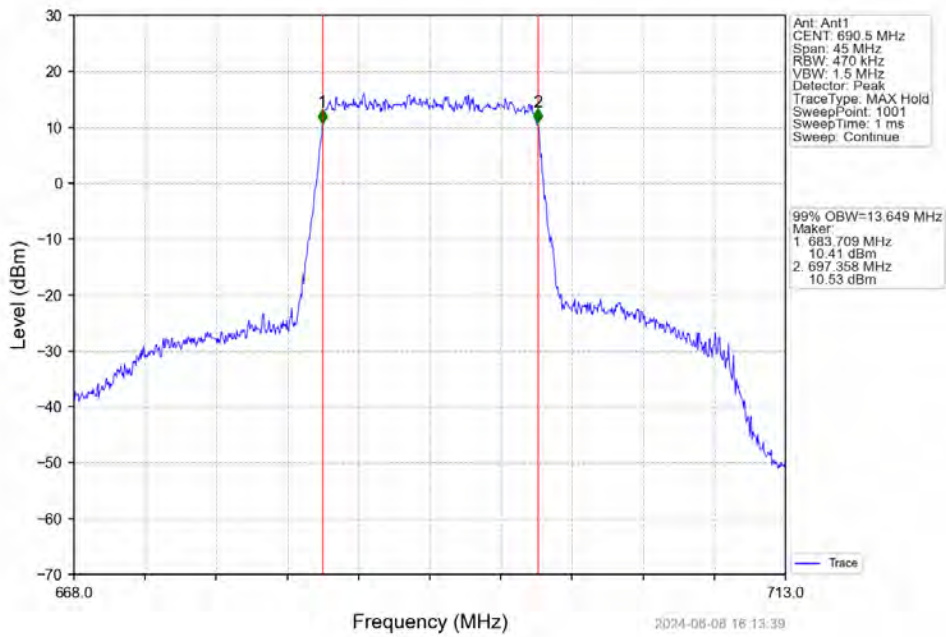
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



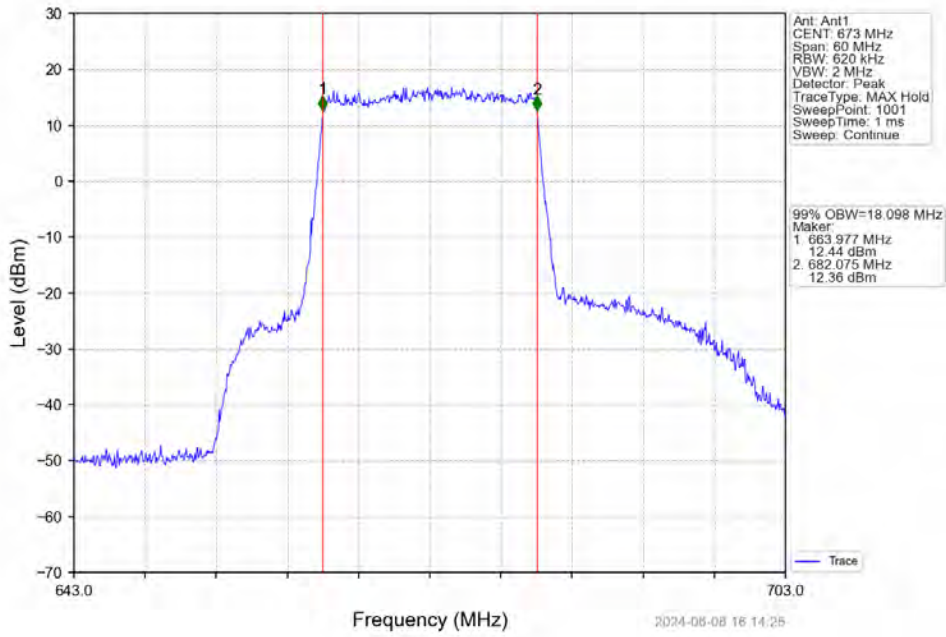
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



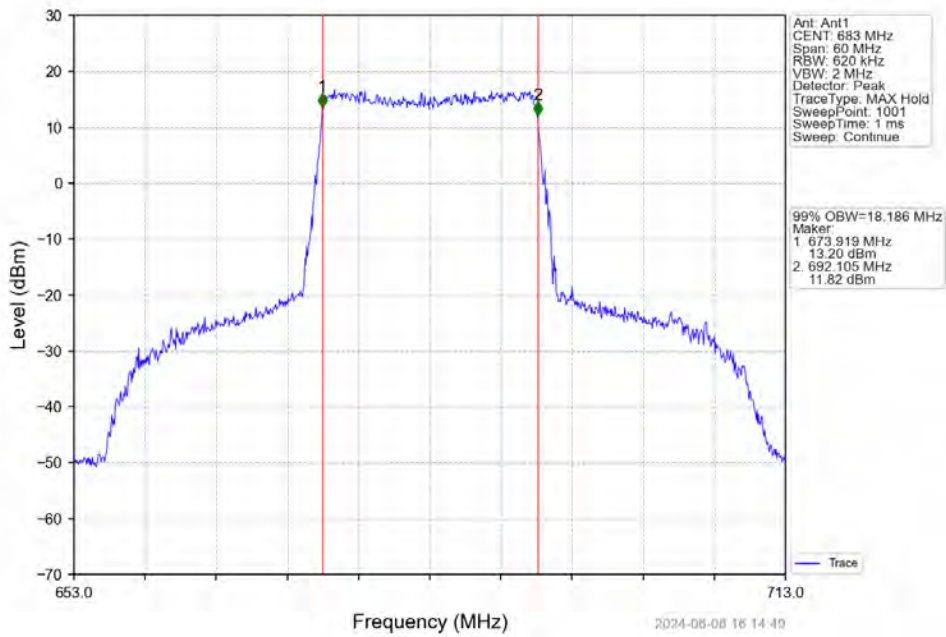
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



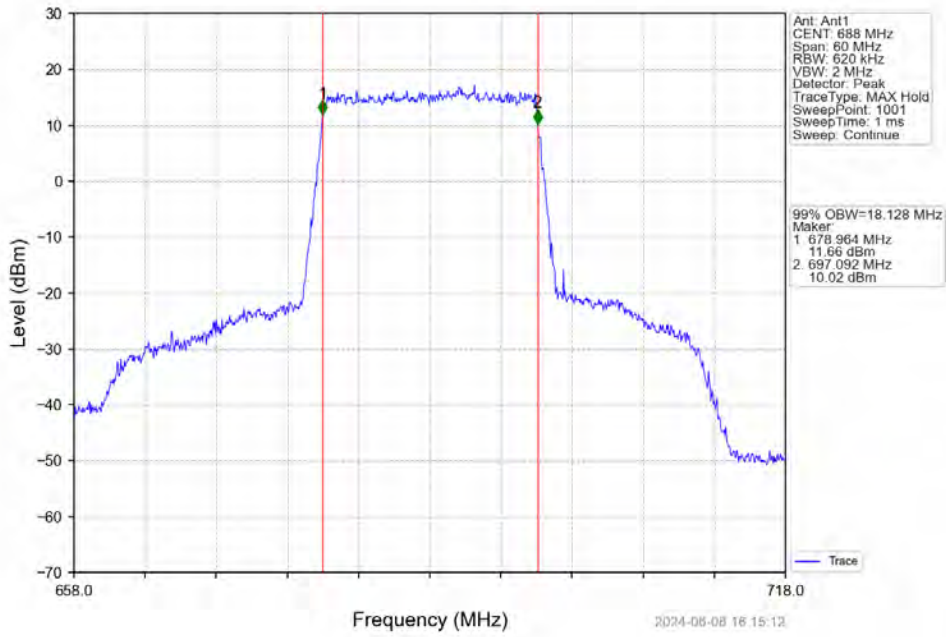
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



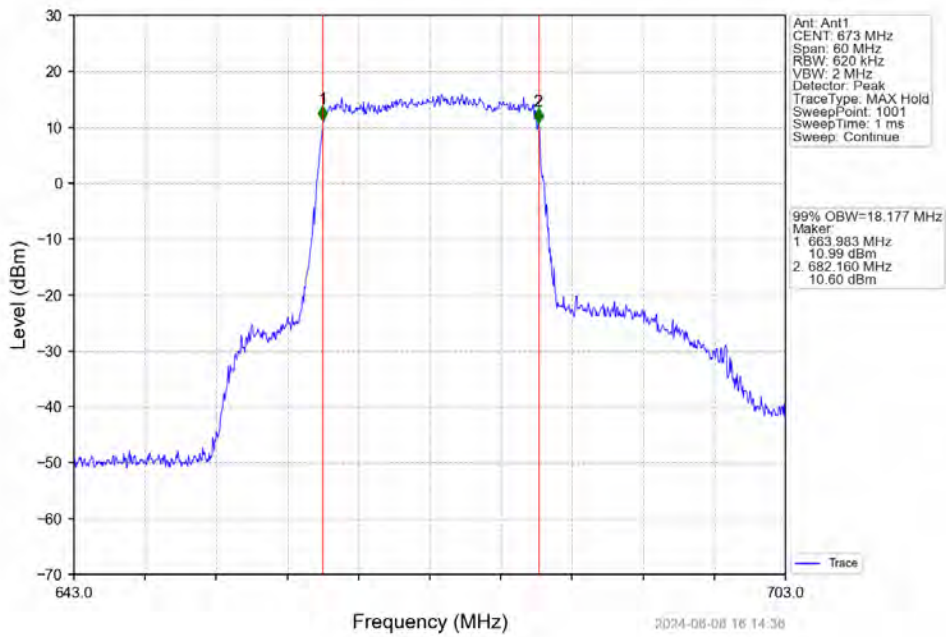
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



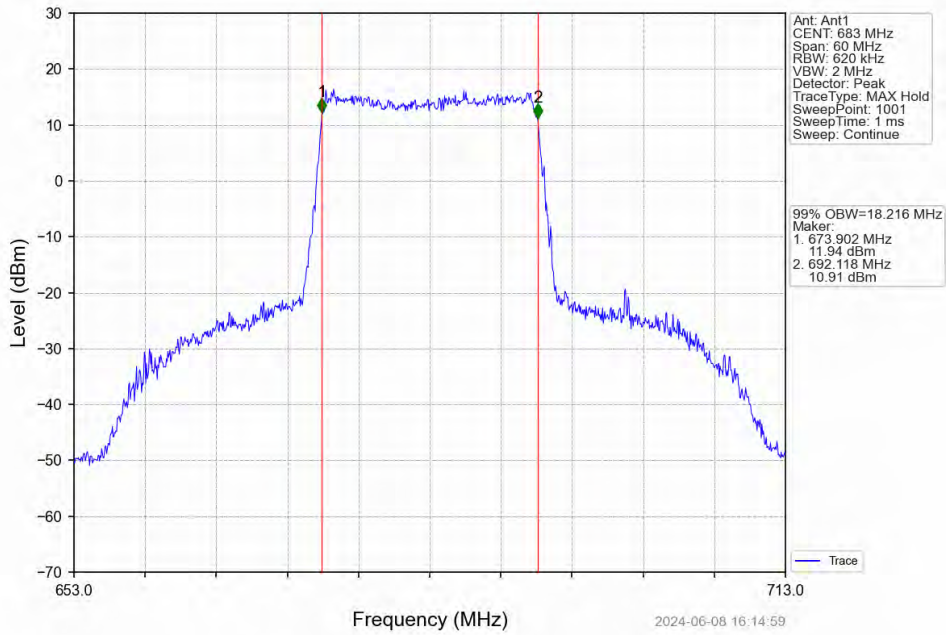
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



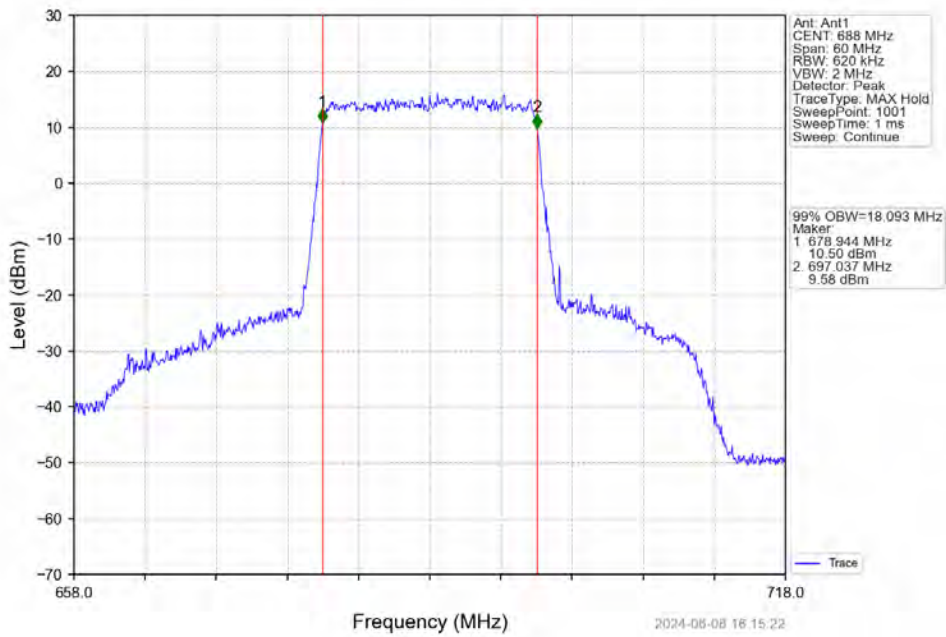
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

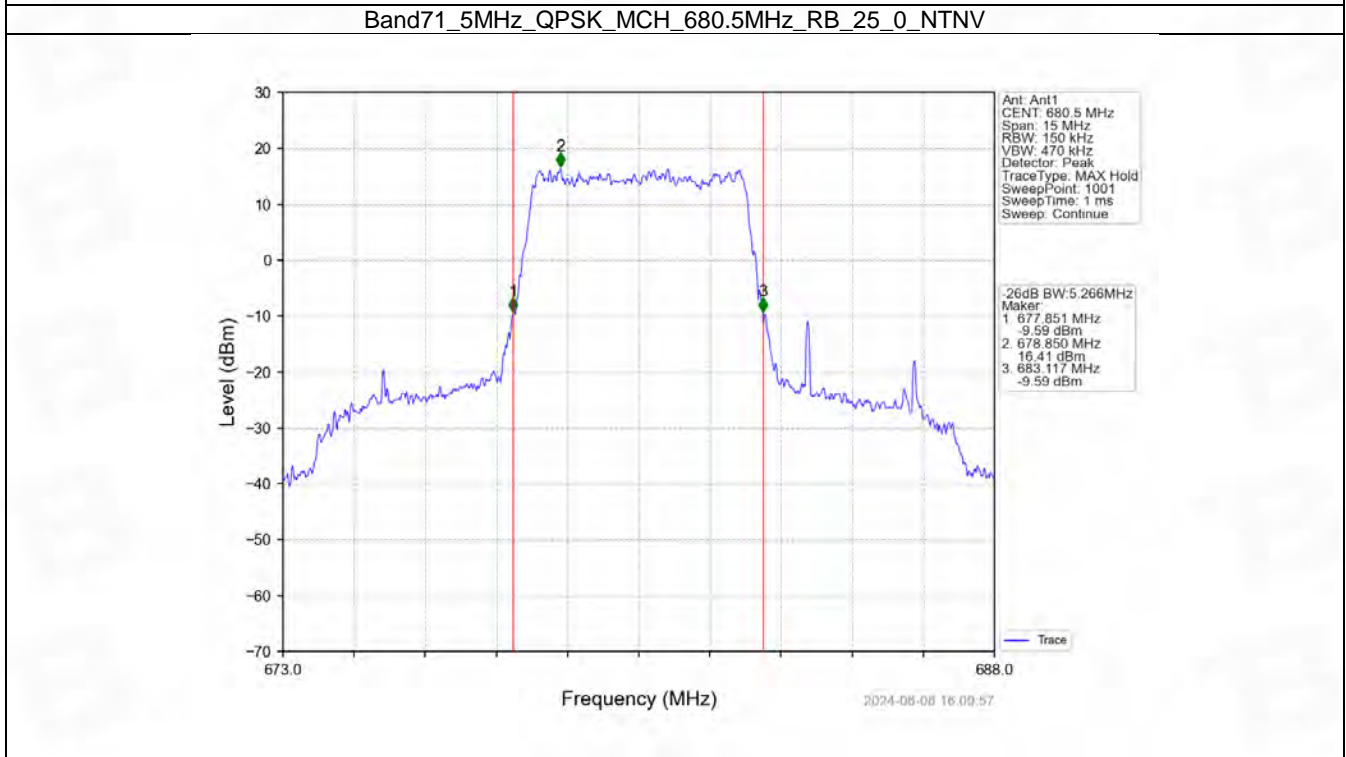
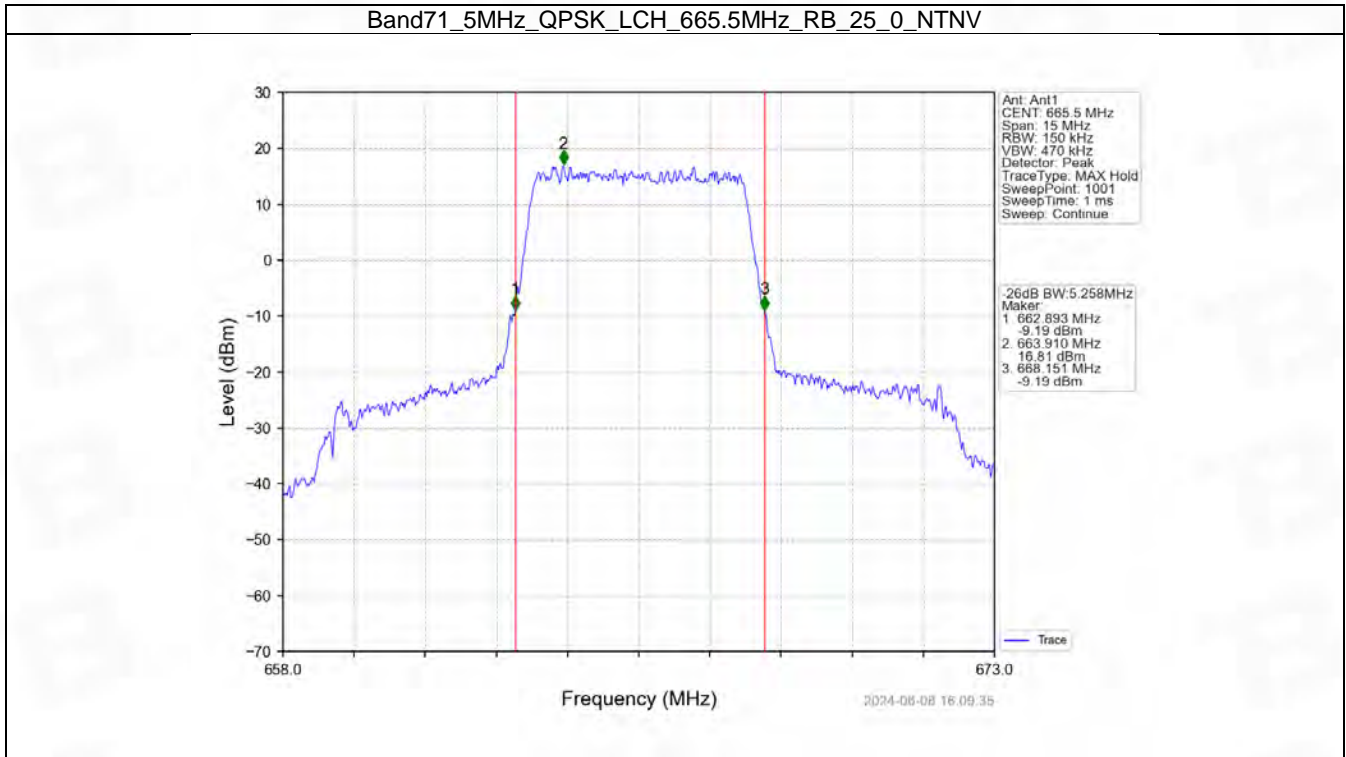


4.2 Band71_XDB

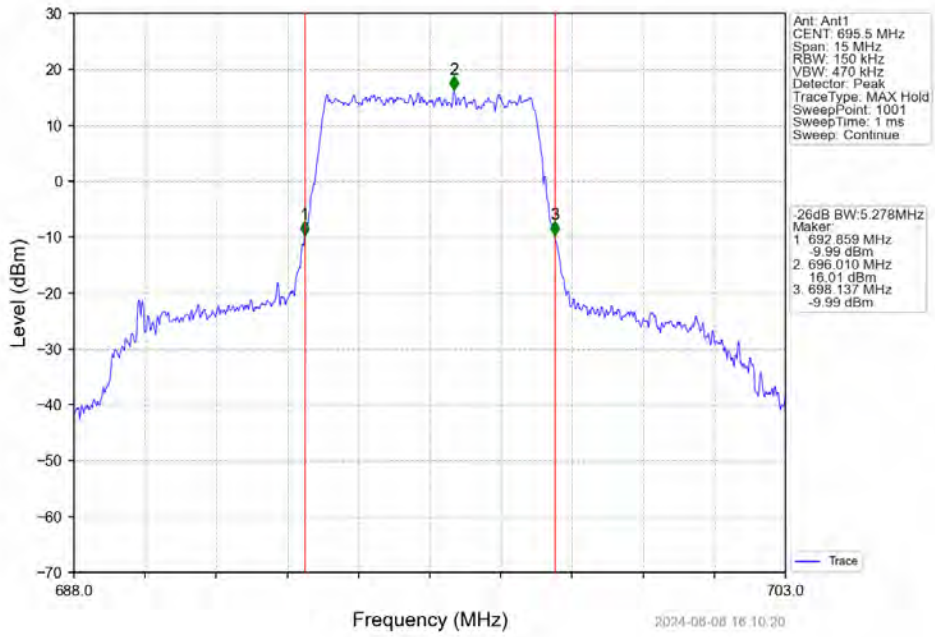
4.2.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.258	/	Pass
		680.5	25	0	5.266	/	Pass
		695.5	25	0	5.278	/	Pass
	16QAM	665.5	25	0	5.248	/	Pass
		680.5	25	0	5.315	/	Pass
		695.5	25	0	5.275	/	Pass
10	QPSK	668	50	0	10.387	/	Pass
		680.5	50	0	10.241	/	Pass
		693	50	0	10.366	/	Pass
	16QAM	668	50	0	10.335	/	Pass
		680.5	50	0	10.325	/	Pass
		693	50	0	10.179	/	Pass
15	QPSK	670.5	75	0	15.437	/	Pass
		680.5	75	0	15.299	/	Pass
		690.5	75	0	15.363	/	Pass
	16QAM	670.5	75	0	15.314	/	Pass
		680.5	75	0	15.446	/	Pass
		690.5	75	0	15.327	/	Pass
20	QPSK	673	100	0	20.136	/	Pass
		683	100	0	20.322	/	Pass
		688	100	0	20.155	/	Pass
	16QAM	673	100	0	20.015	/	Pass
		683	100	0	20.197	/	Pass
		688	100	0	20.081	/	Pass

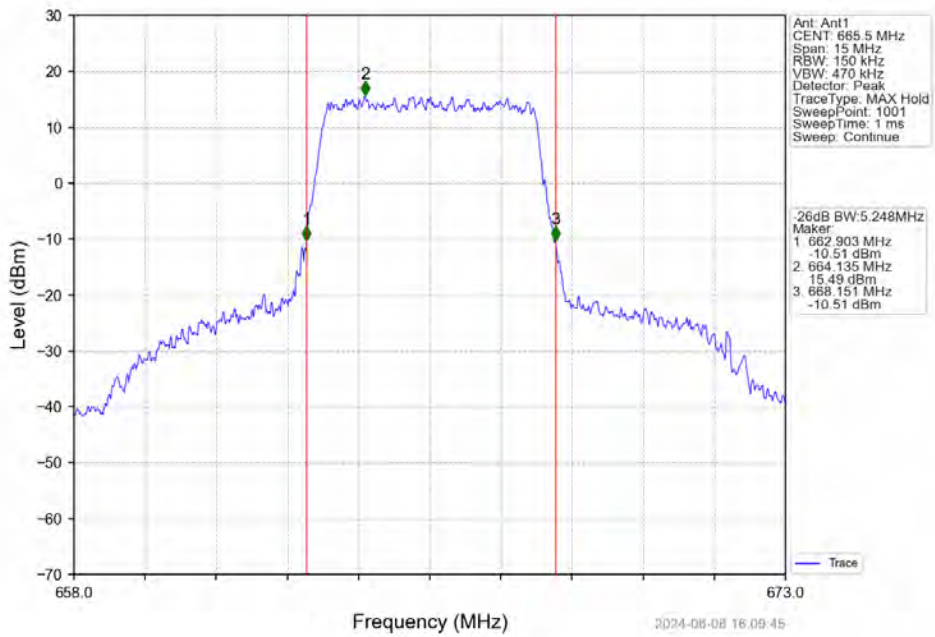
4.2.2 Test Graph



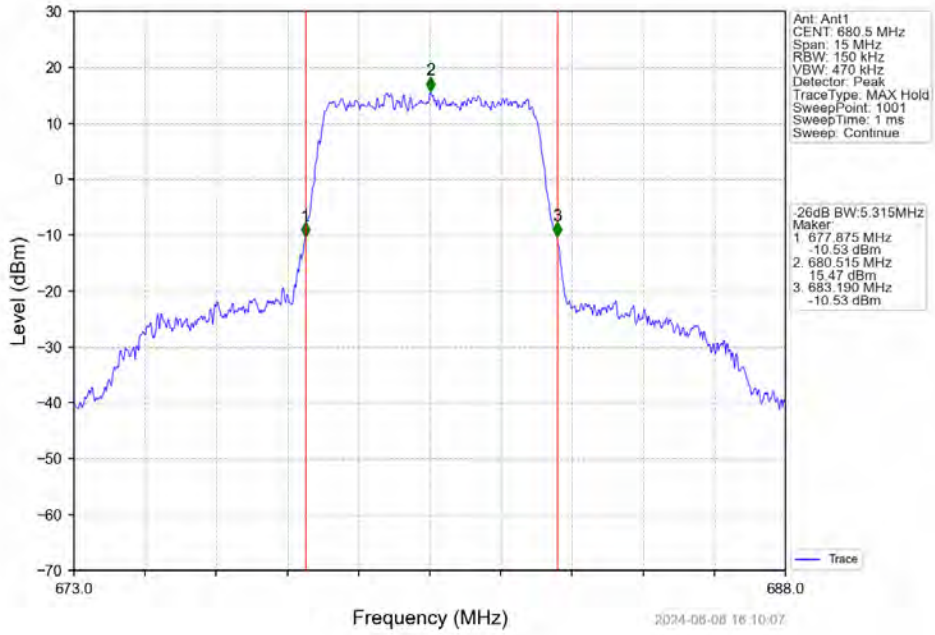
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



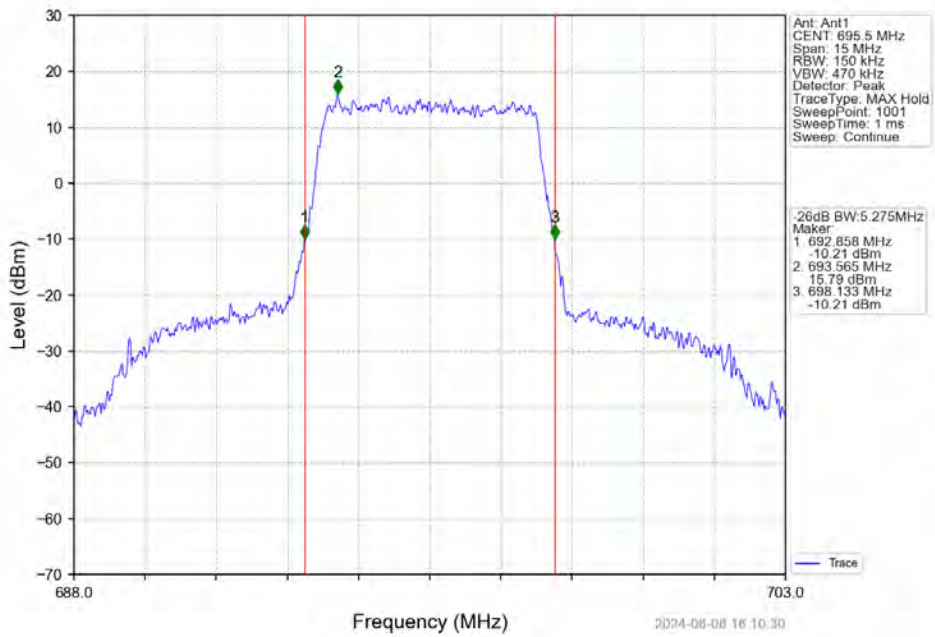
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



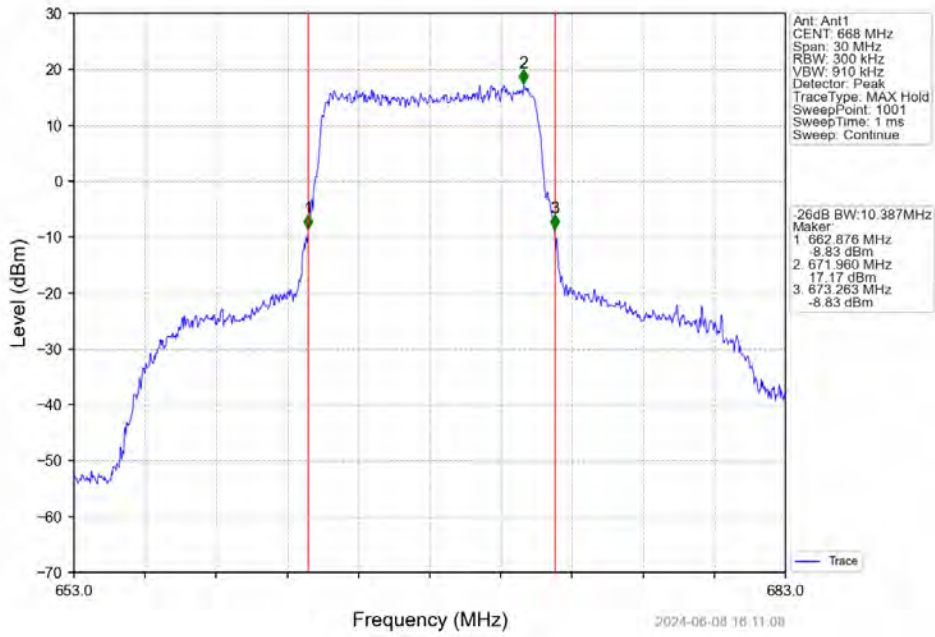
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



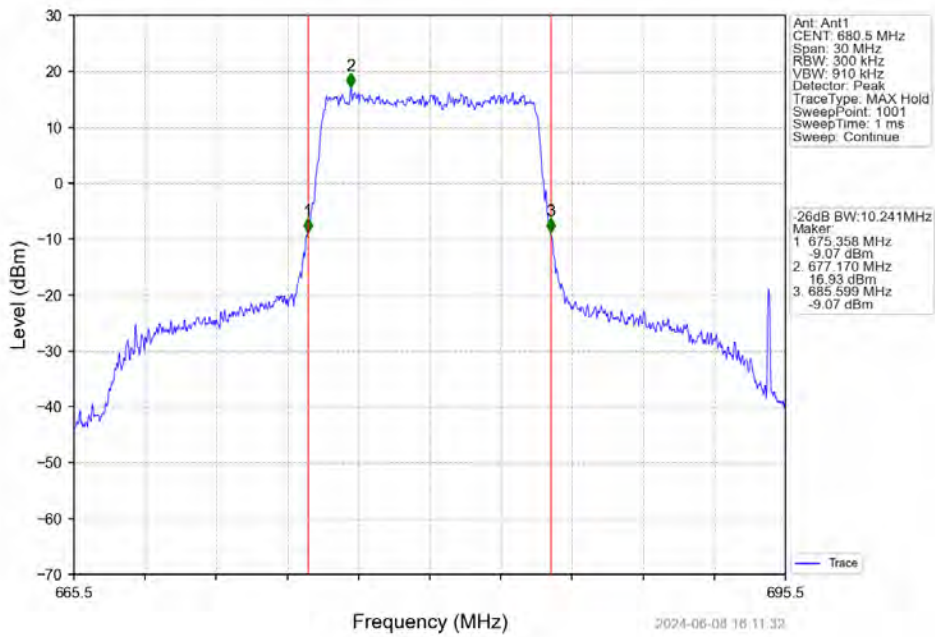
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



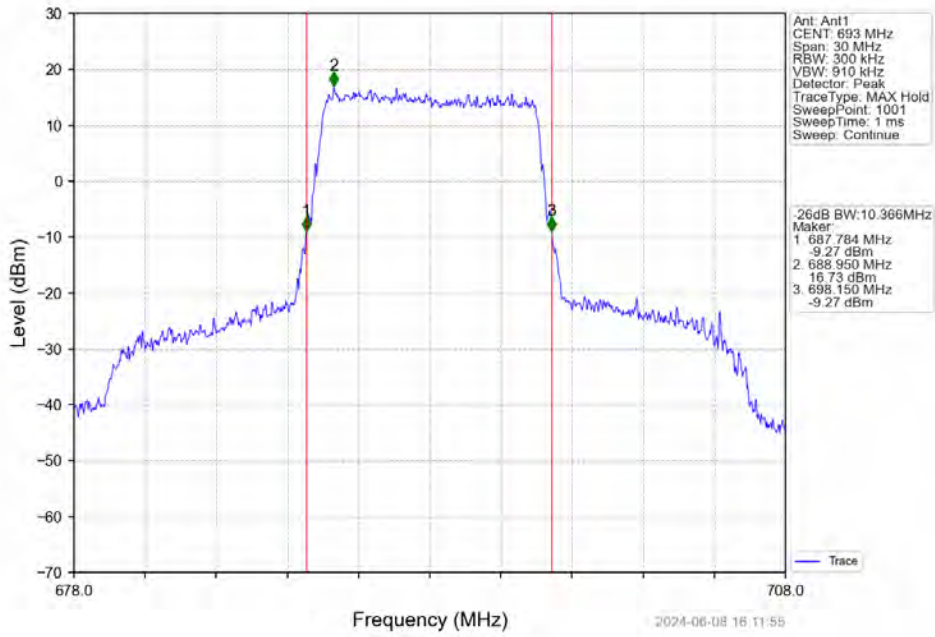
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



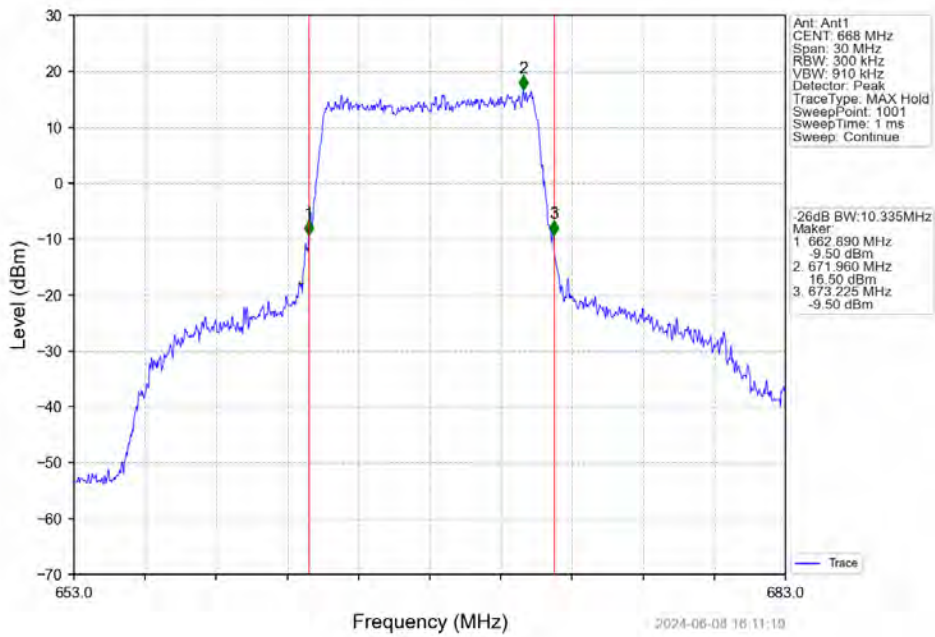
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



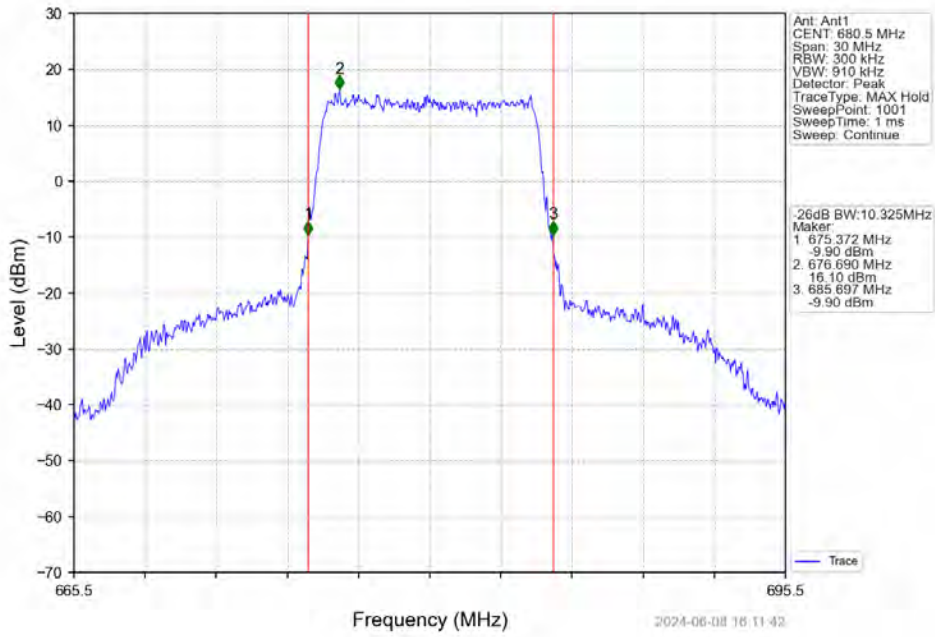
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



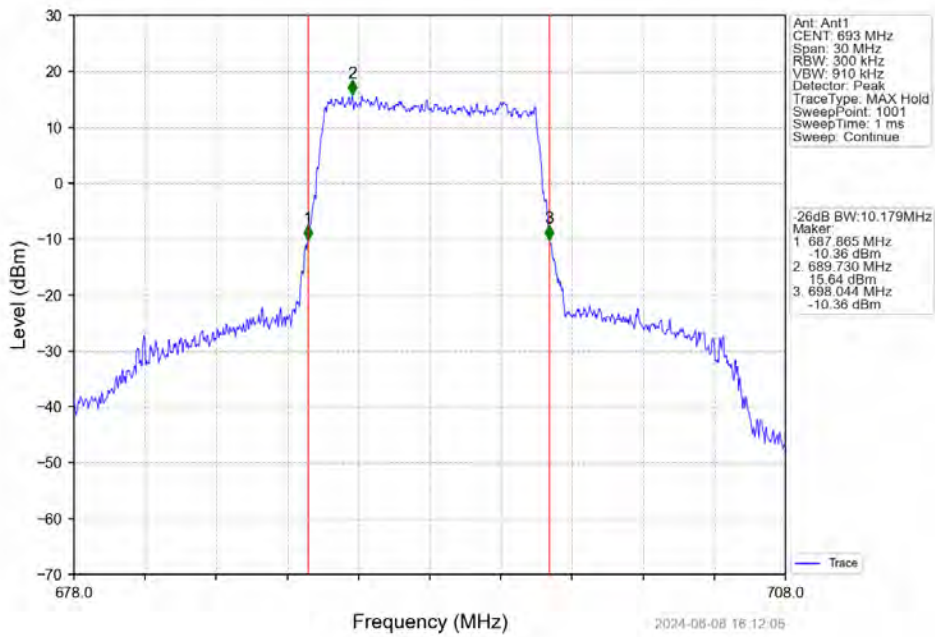
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



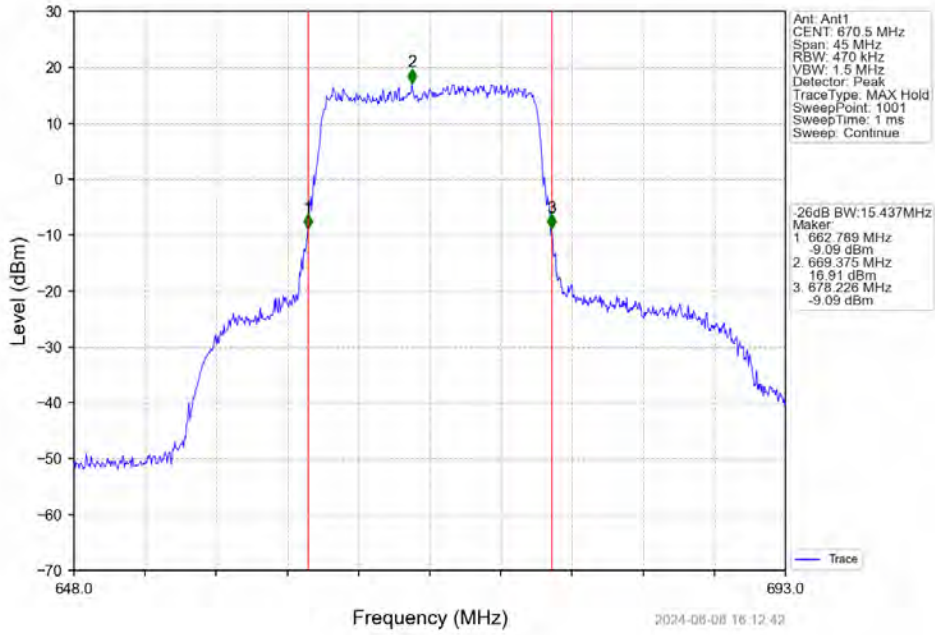
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



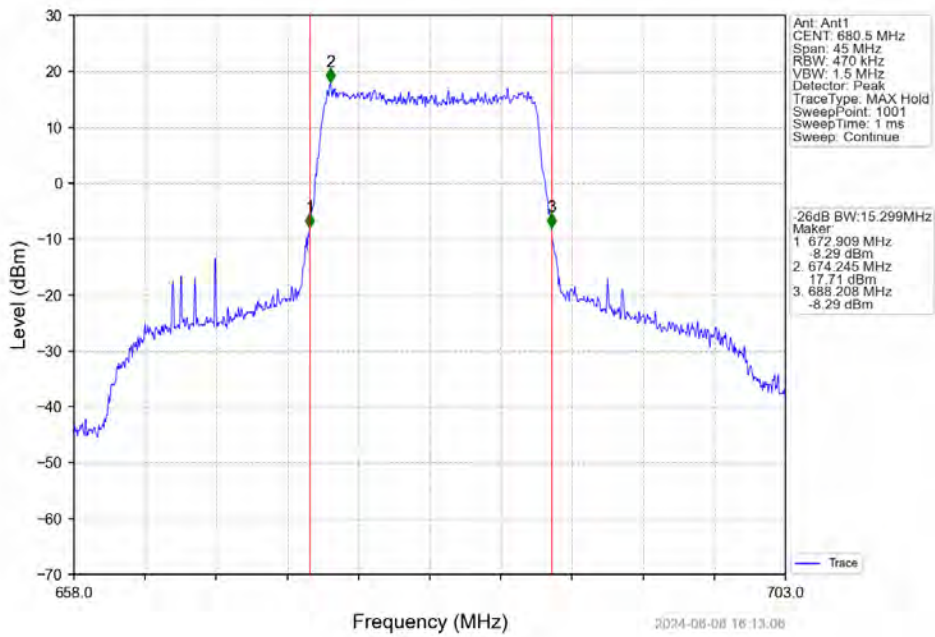
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



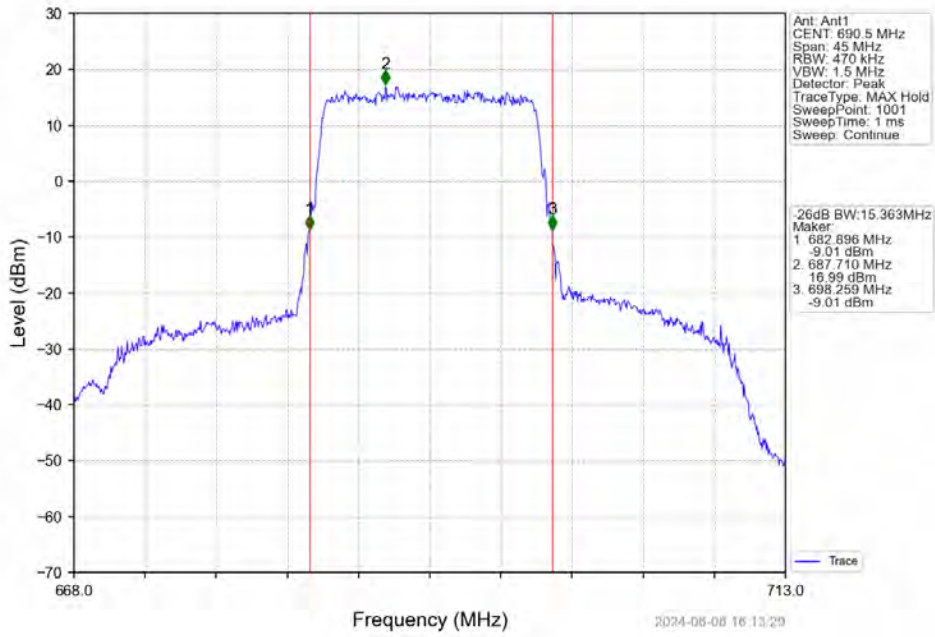
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



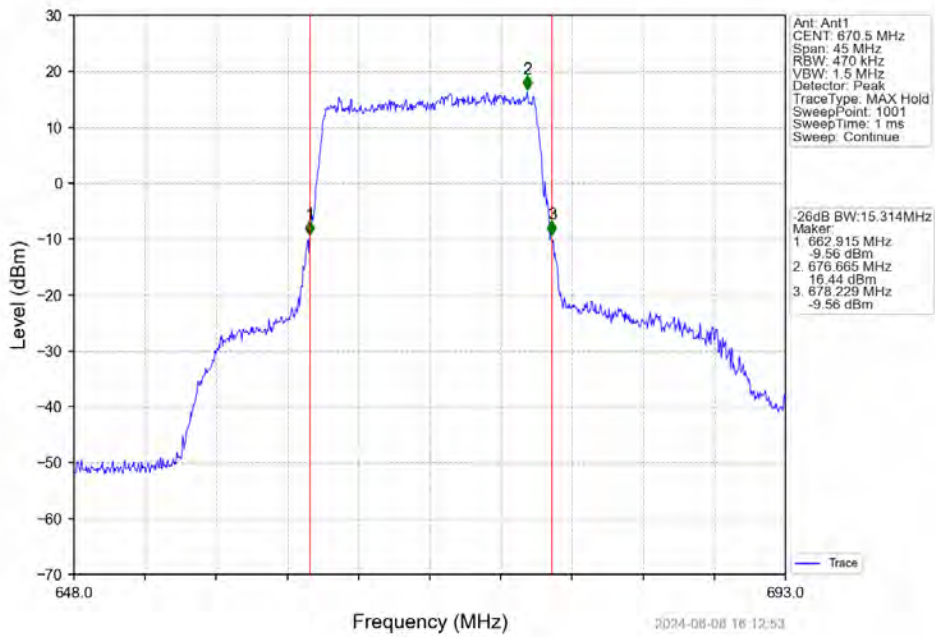
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



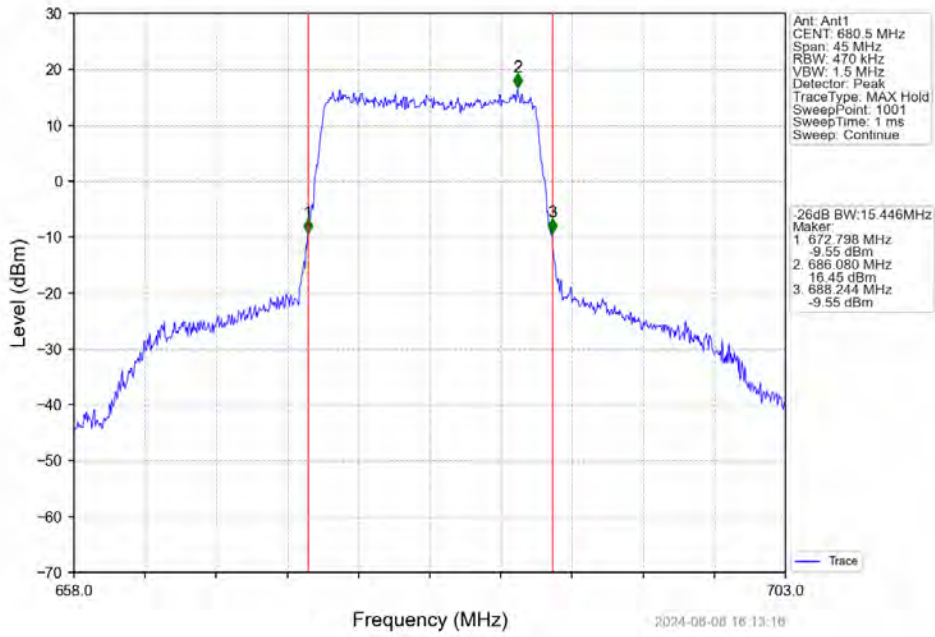
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



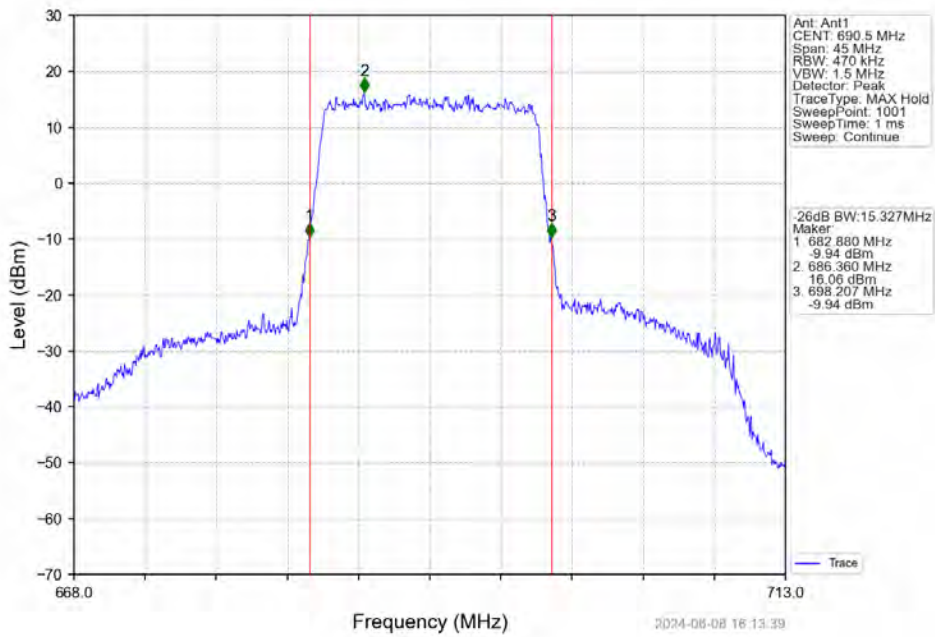
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



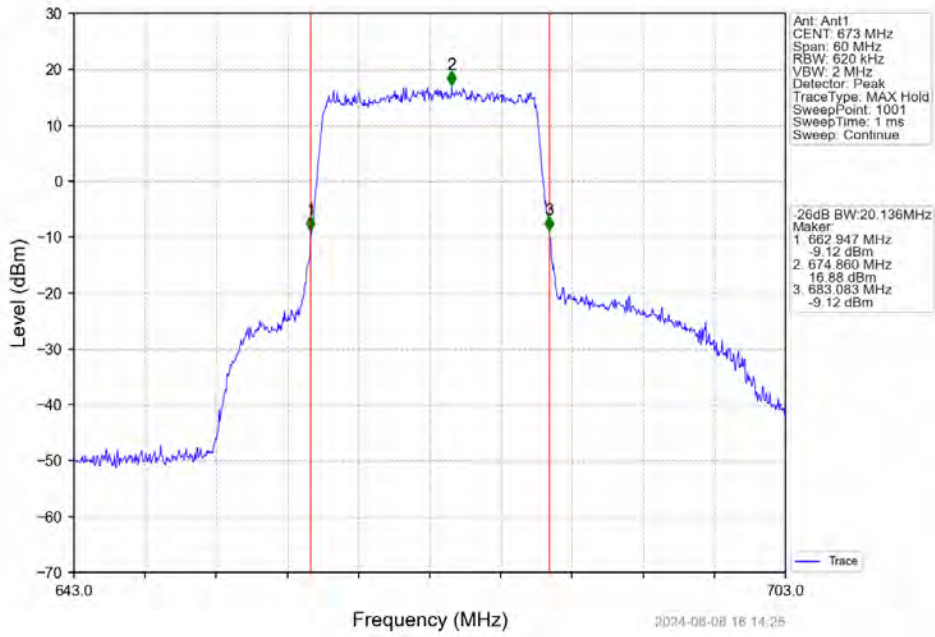
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



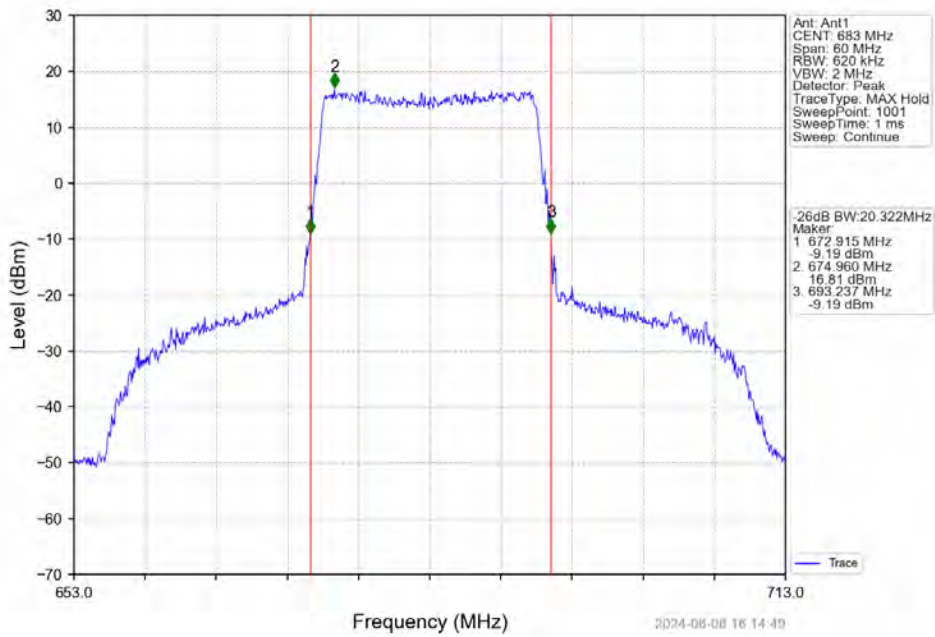
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



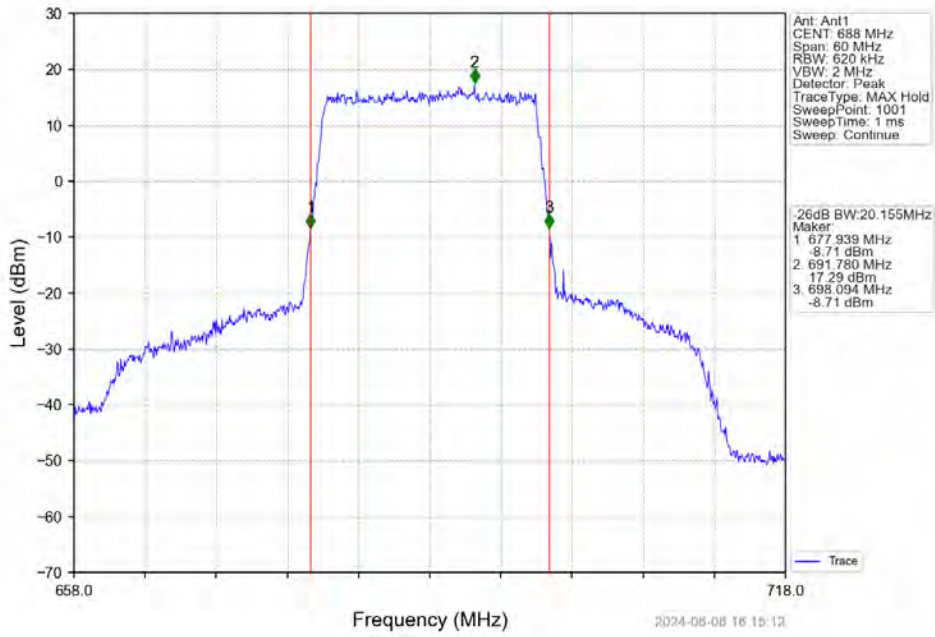
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



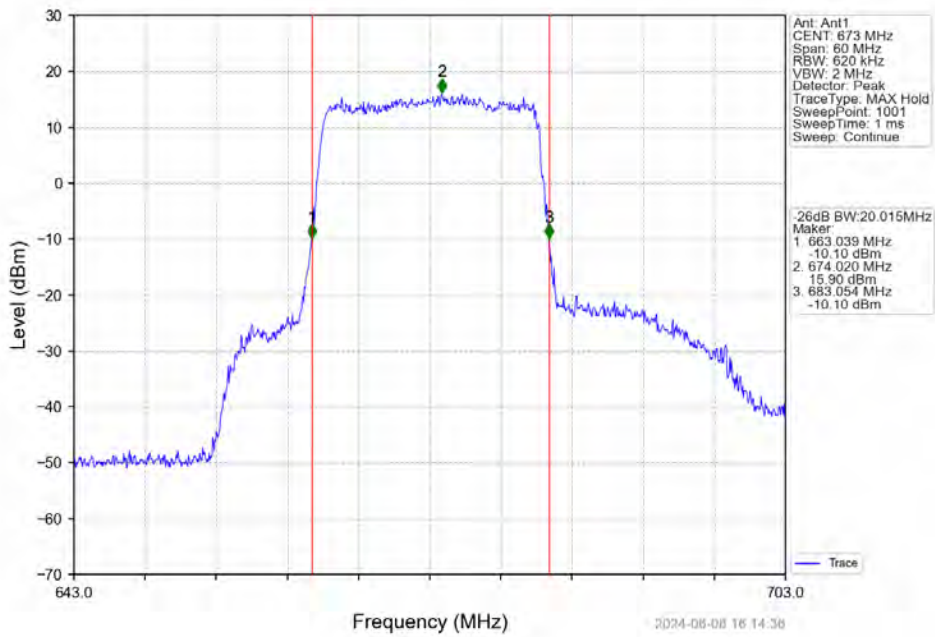
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



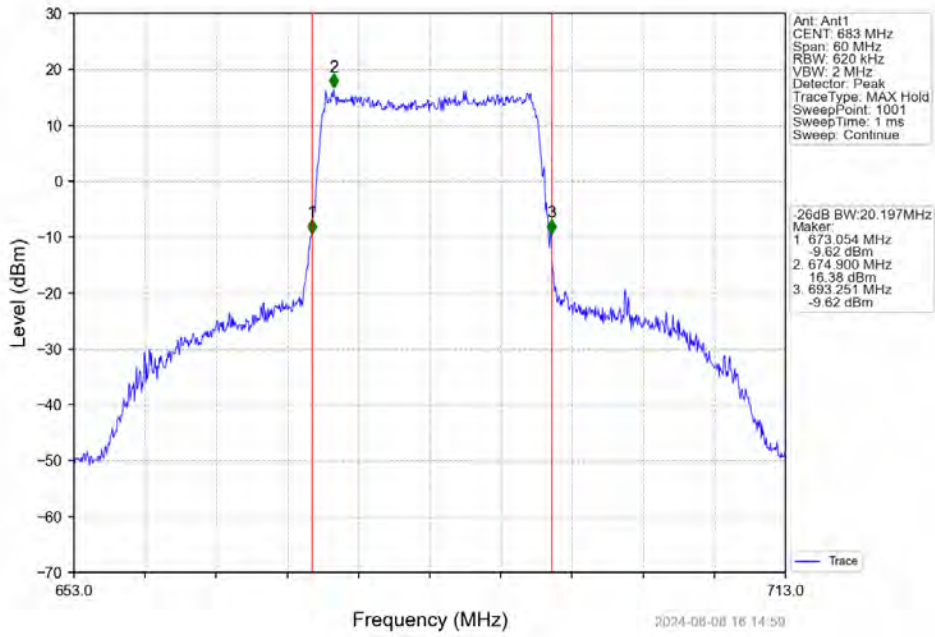
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



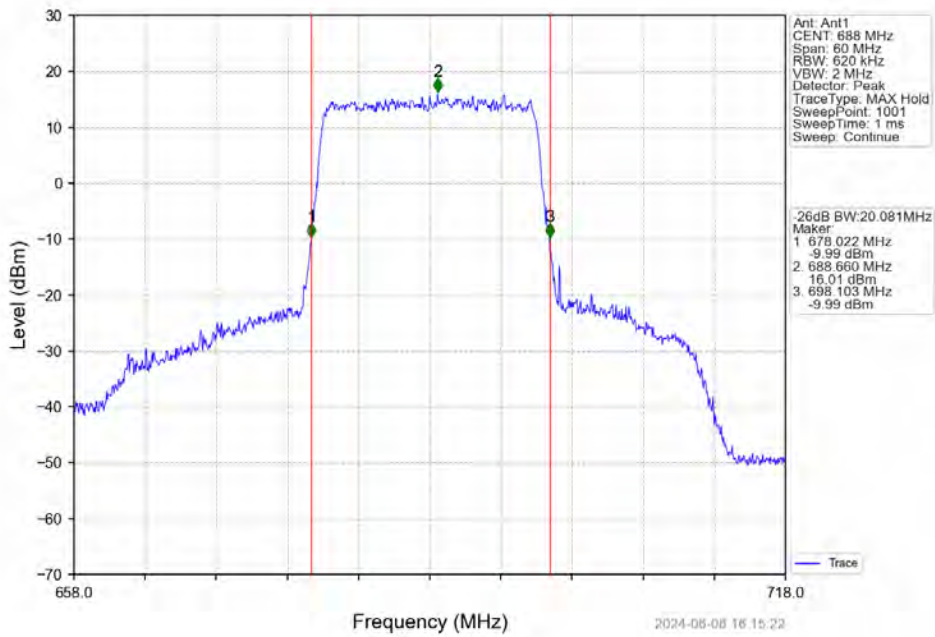
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



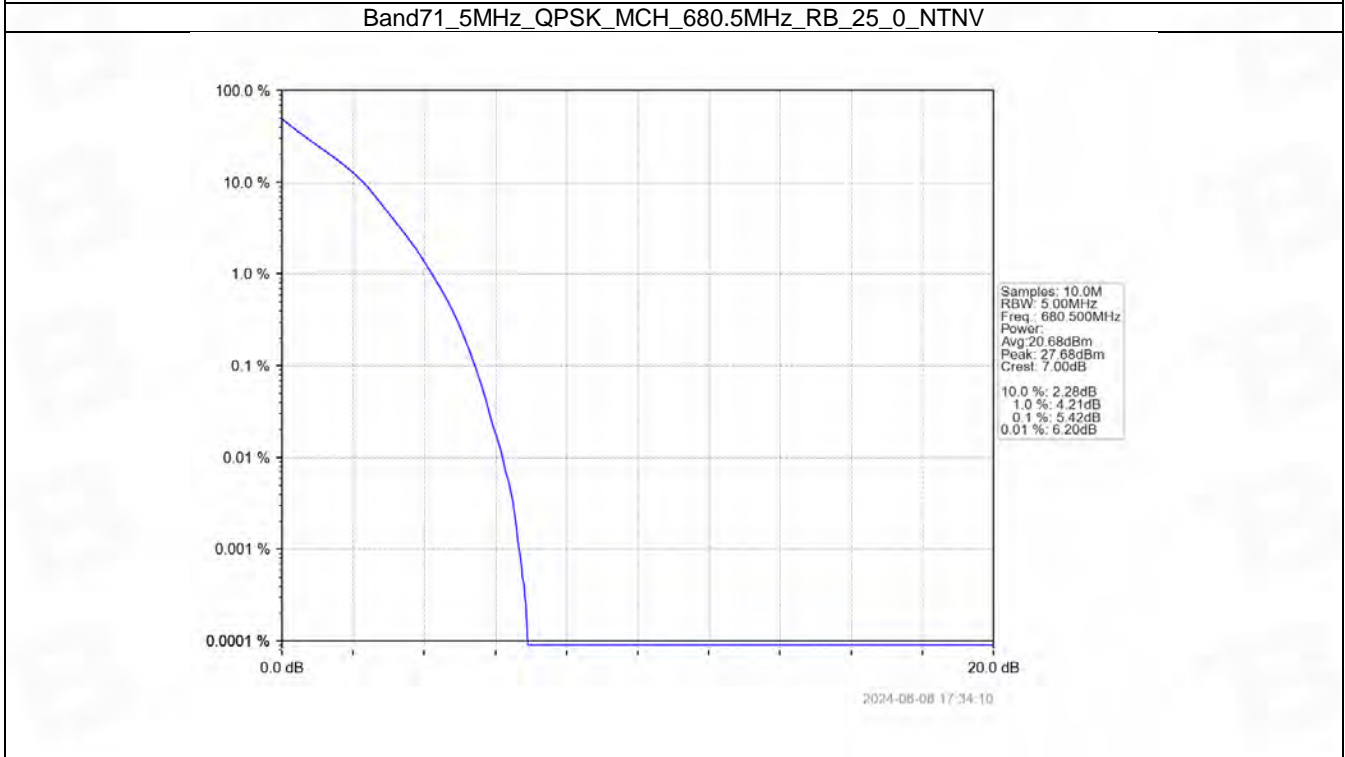
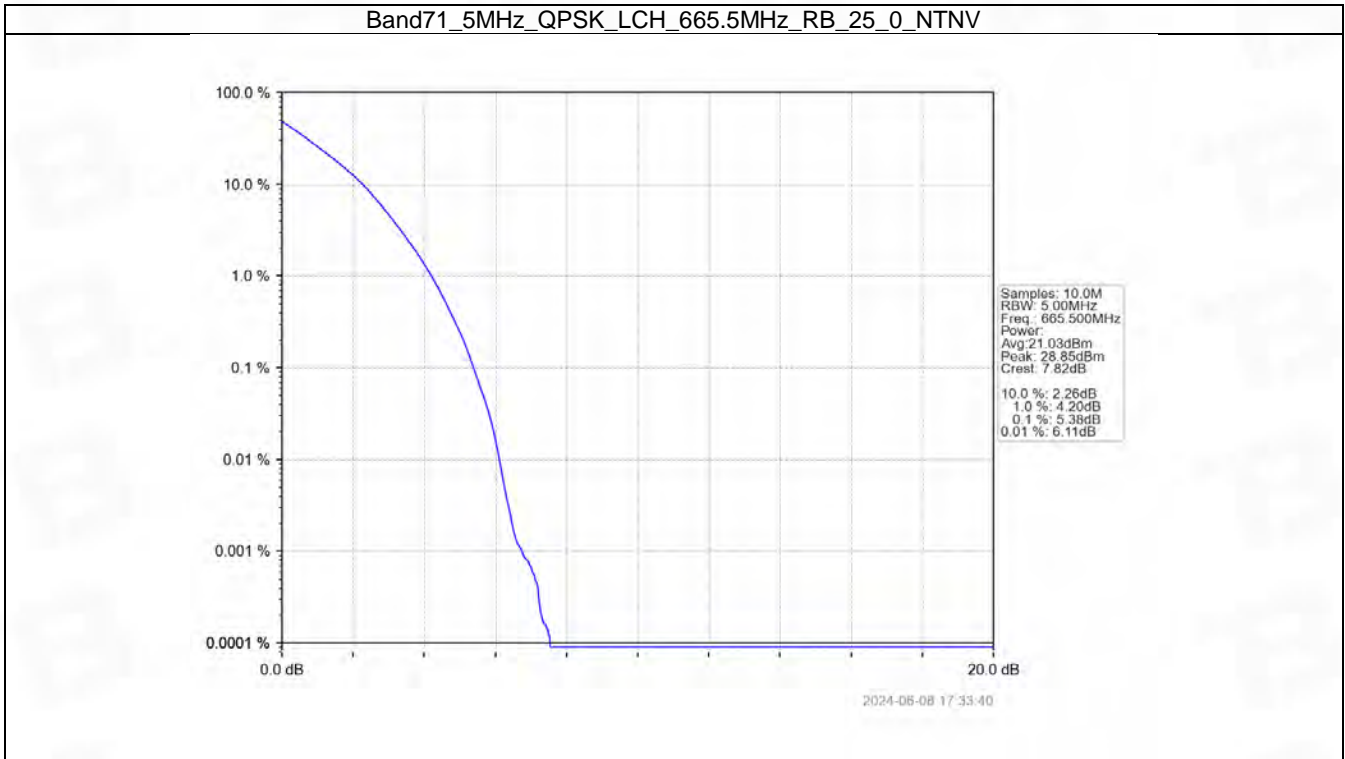
5. Peak-Average Ratio

5.1 B71_5MHz

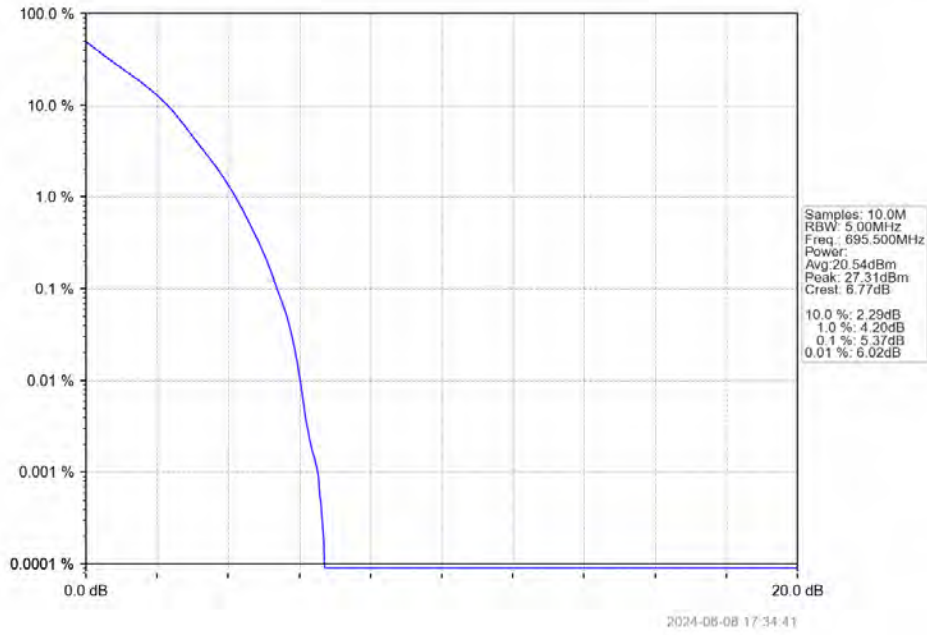
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.38	<=13	Pass
	680.5	25	0	5.42	<=13	Pass
	695.5	25	0	5.37	<=13	Pass
16QAM	665.5	25	0	5.97	<=13	Pass
	680.5	25	0	6.04	<=13	Pass
	695.5	25	0	6.05	<=13	Pass

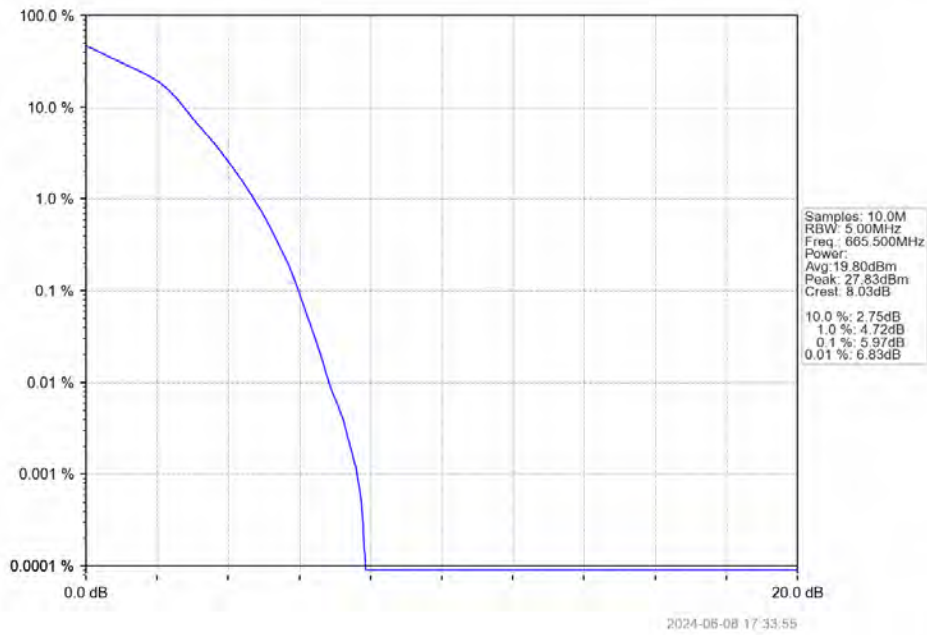
5.1.2 Test Graph



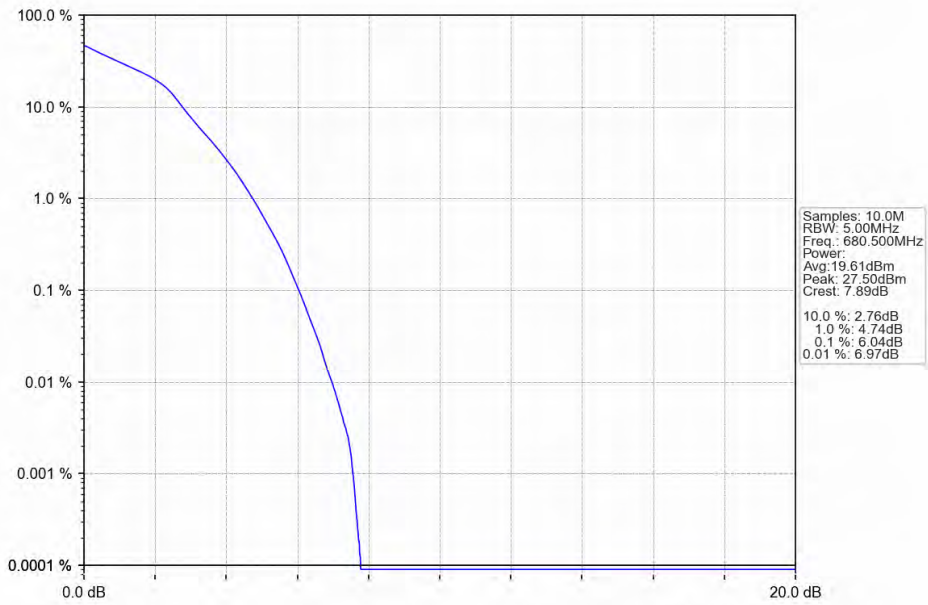
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

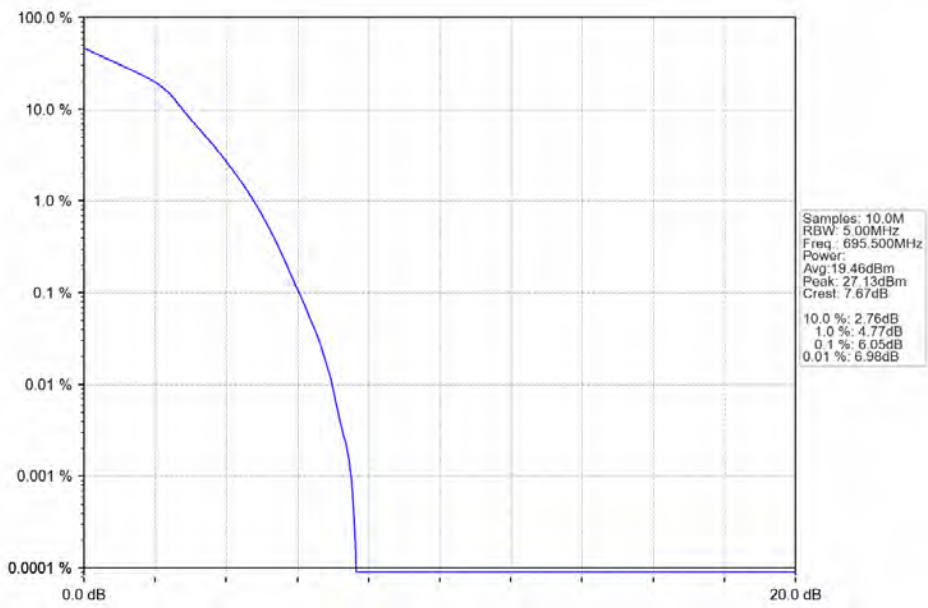


Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



2024-06-08 17:34:24

Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



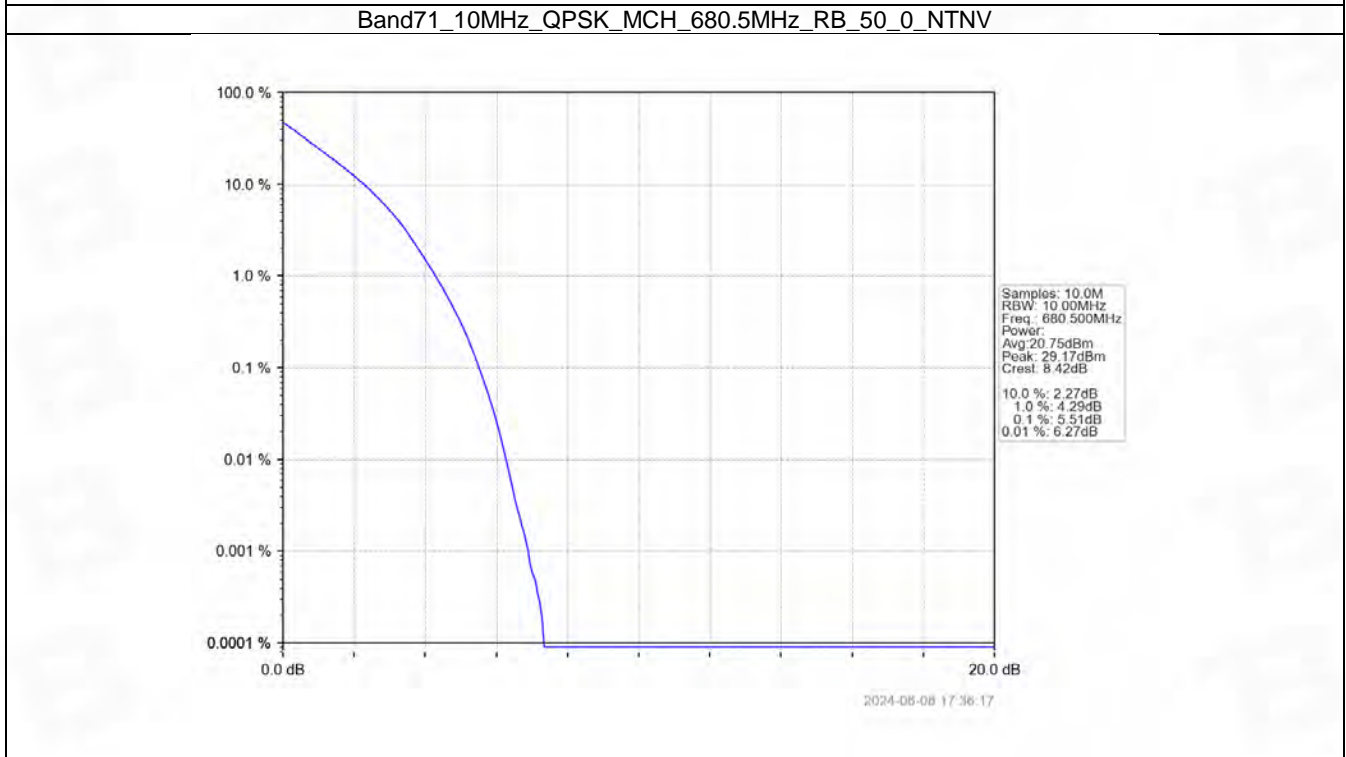
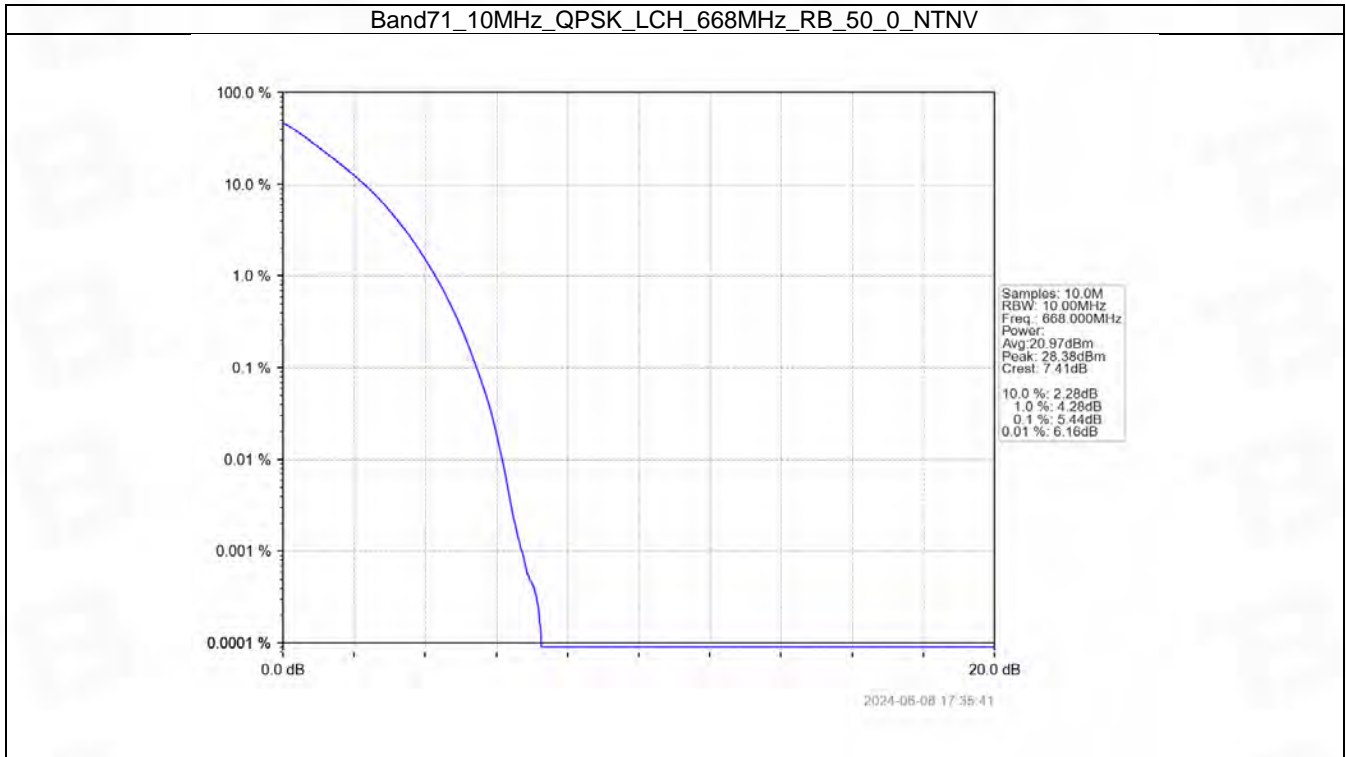
2024-06-08 17:34:55

5.2 B71_10MHz

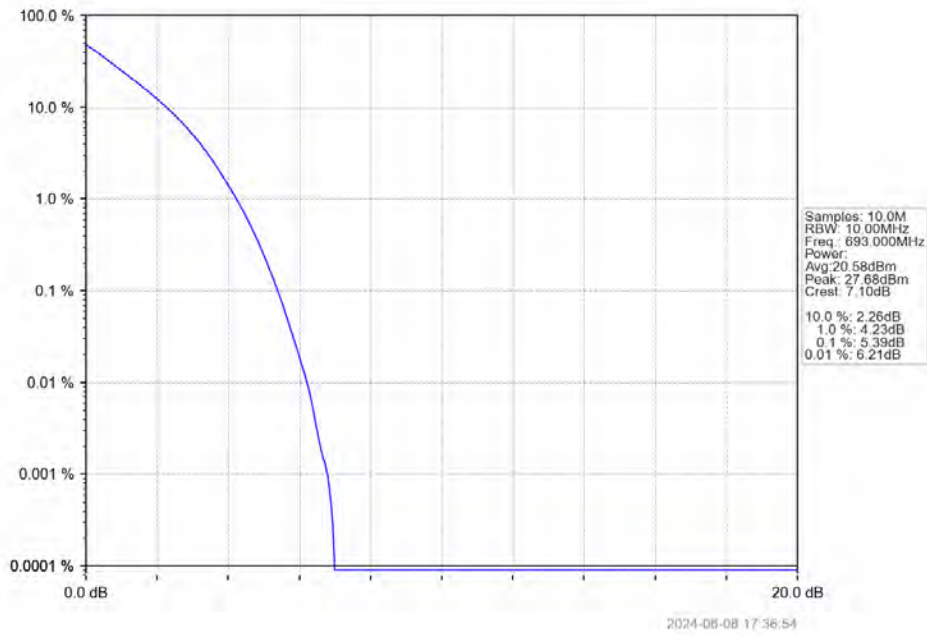
5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.44	<=13	Pass
	680.5	50	0	5.51	<=13	Pass
	693	50	0	5.39	<=13	Pass
16QAM	668	50	0	6.13	<=13	Pass
	680.5	50	0	6.17	<=13	Pass
	693	50	0	6.05	<=13	Pass

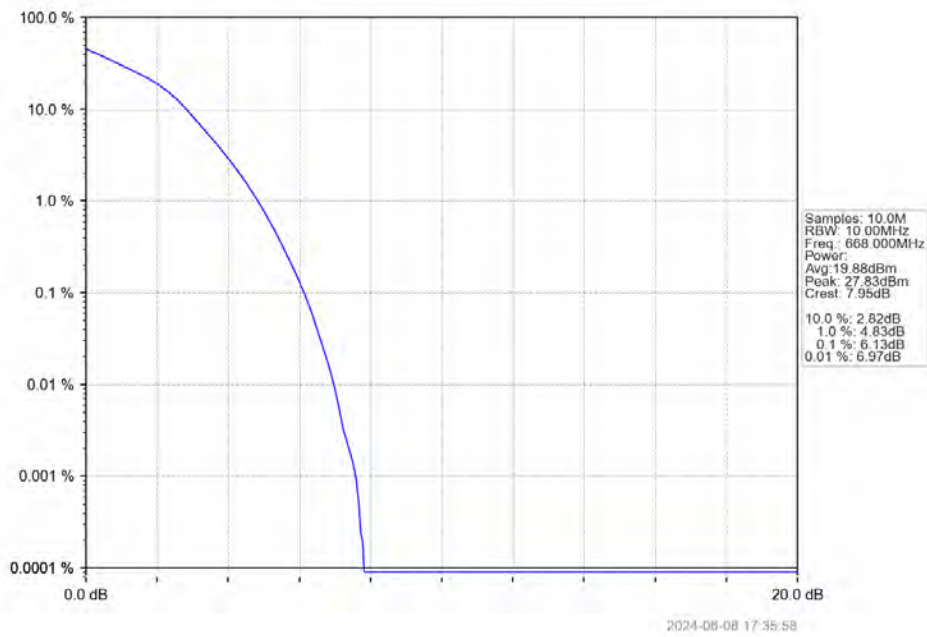
5.2.2 Test Graph



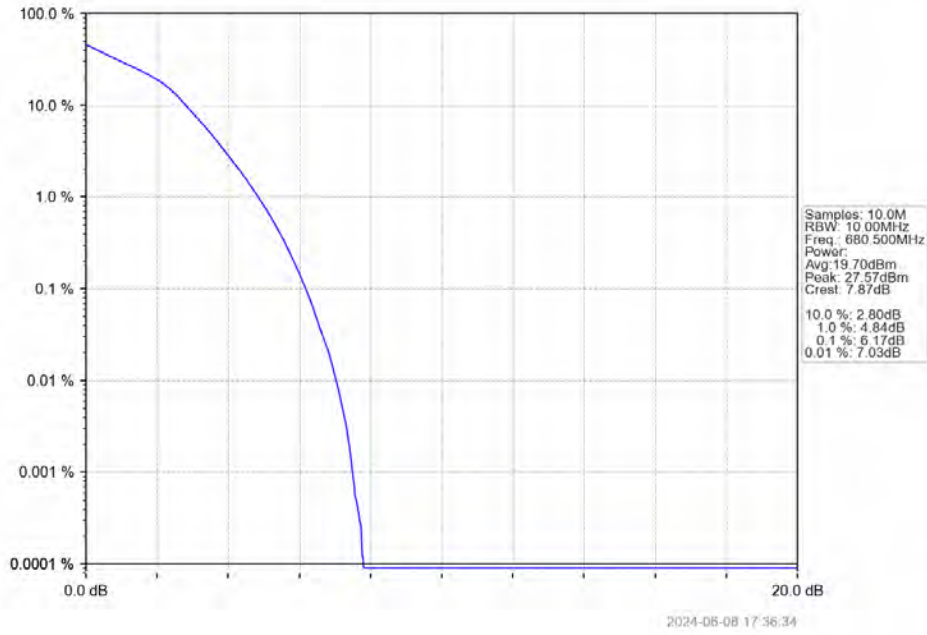
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



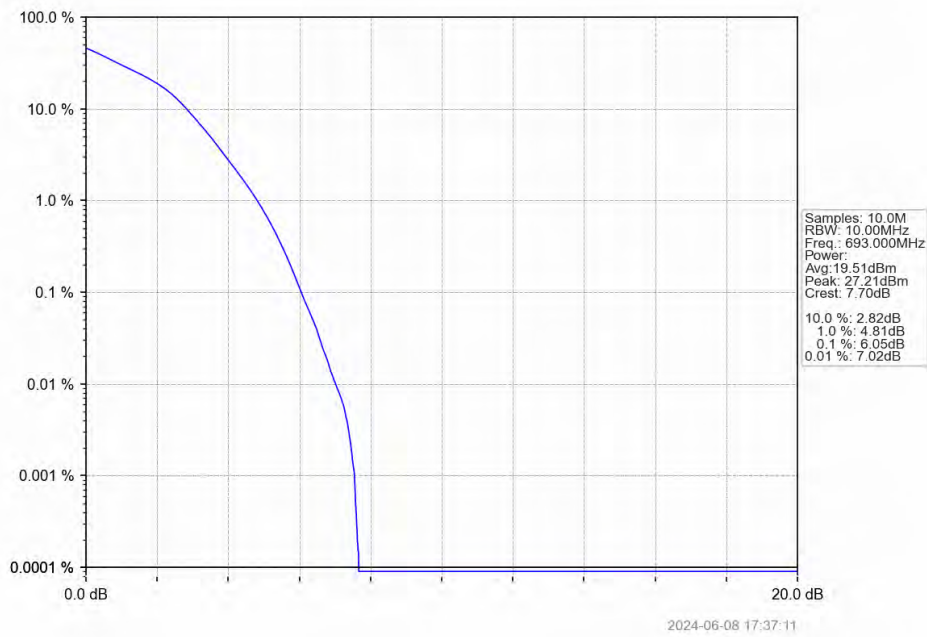
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

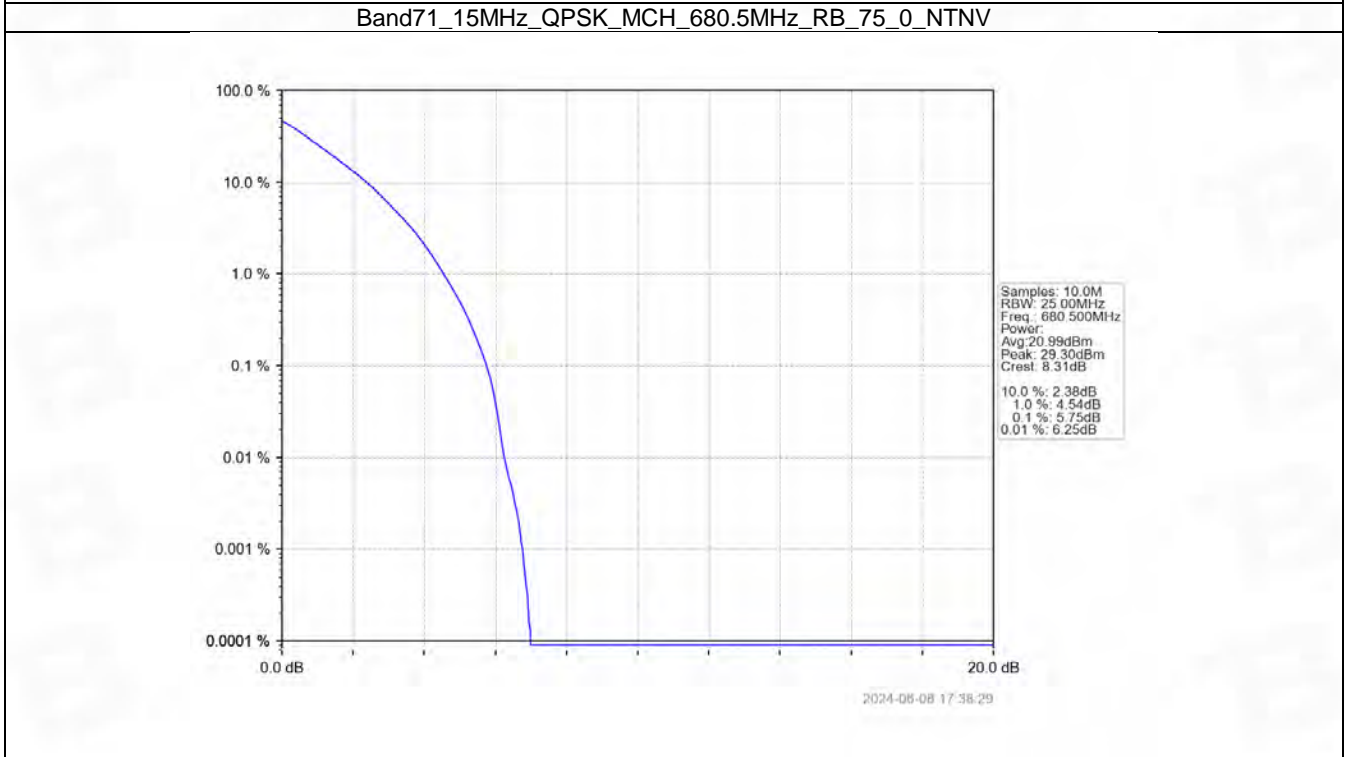
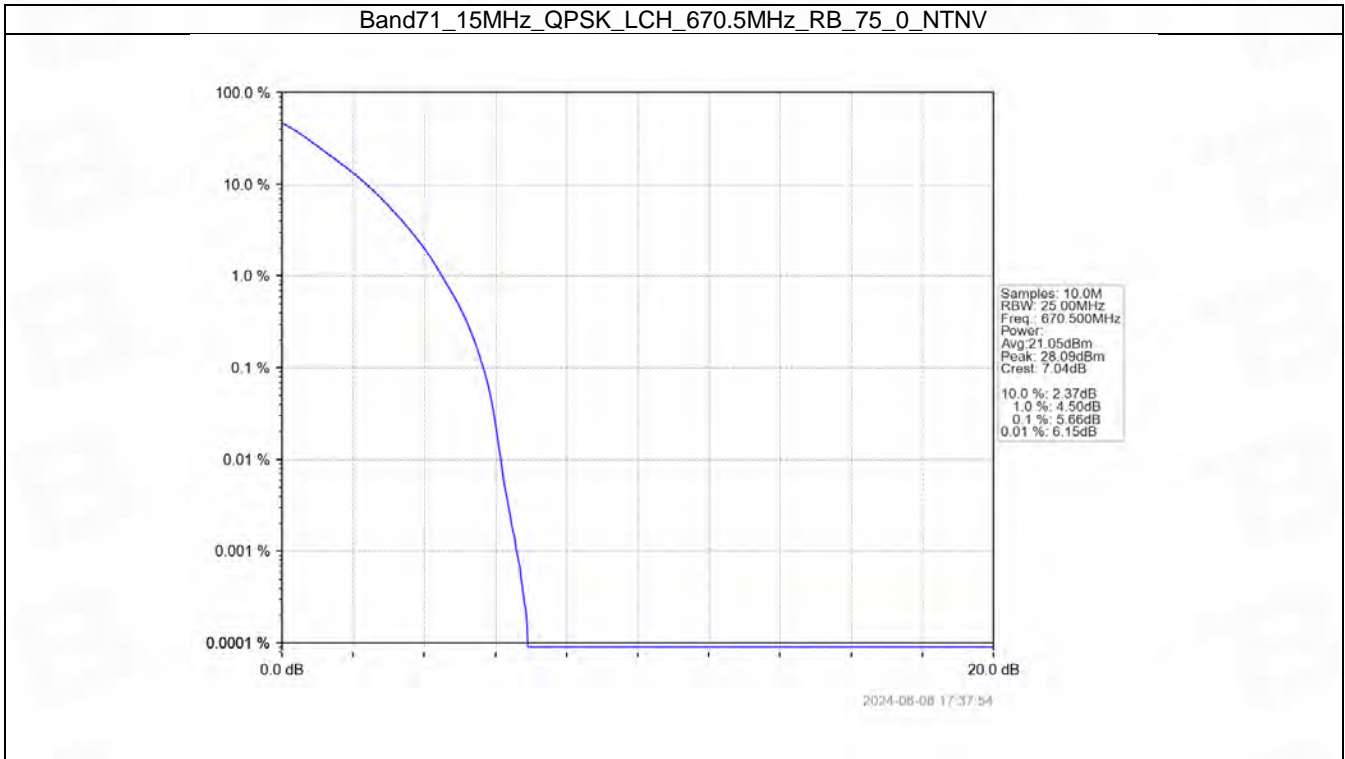


5.3 B71_15MHz

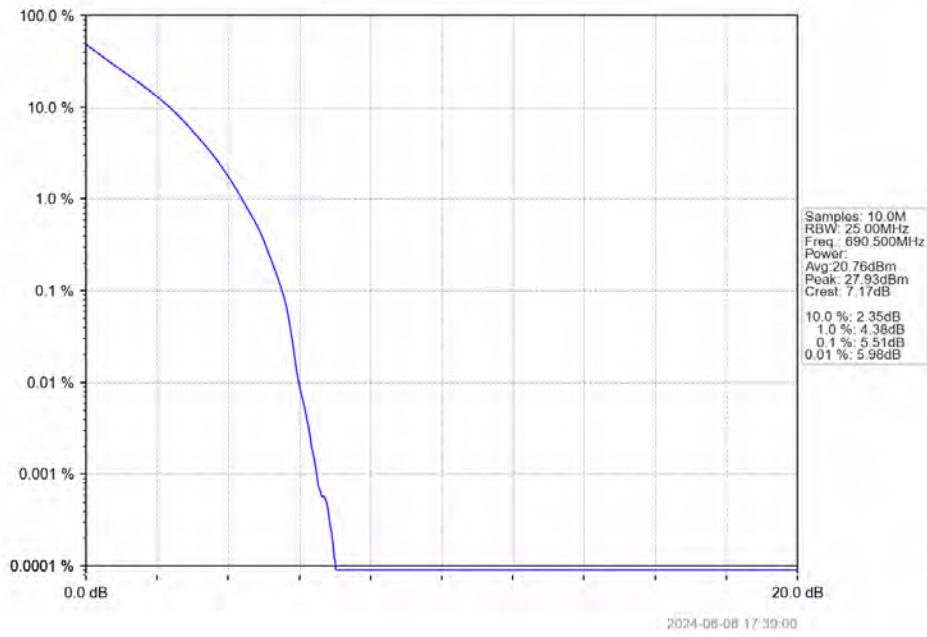
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.66	<=13	Pass
	680.5	75	0	5.75	<=13	Pass
	690.5	75	0	5.51	<=13	Pass
16QAM	670.5	75	0	6.12	<=13	Pass
	680.5	75	0	6.17	<=13	Pass
	690.5	75	0	6.01	<=13	Pass

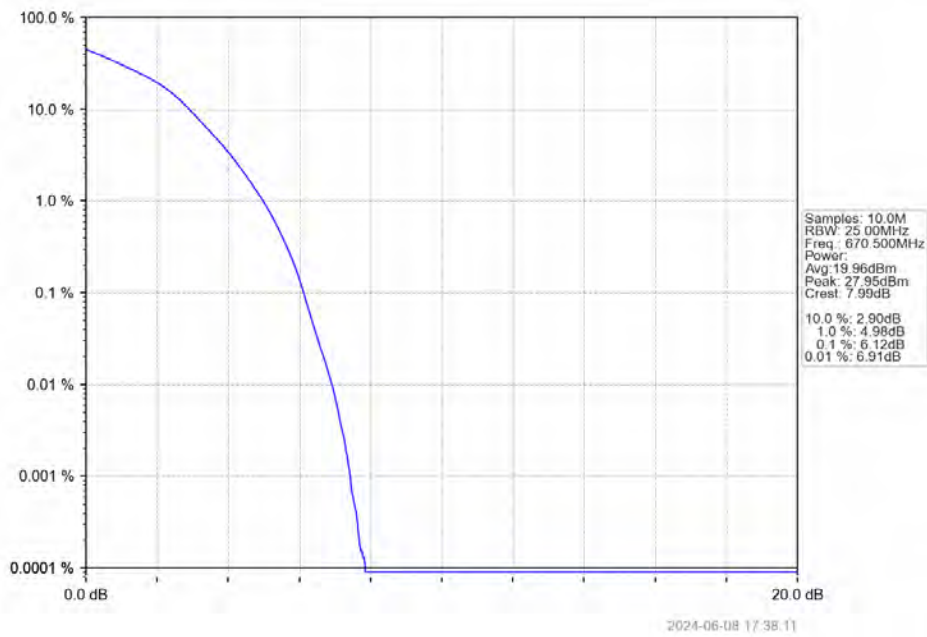
5.3.2 Test Graph



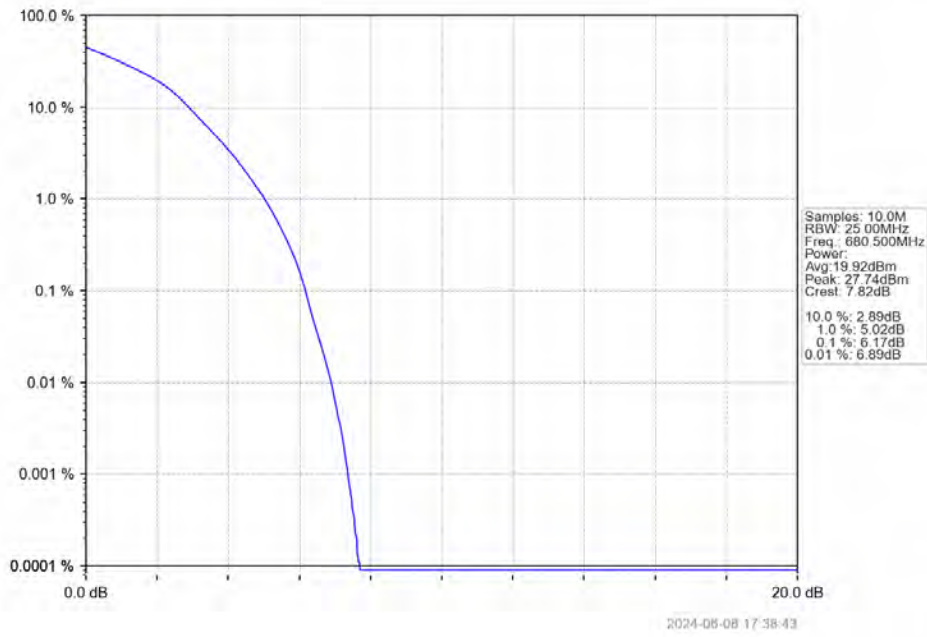
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



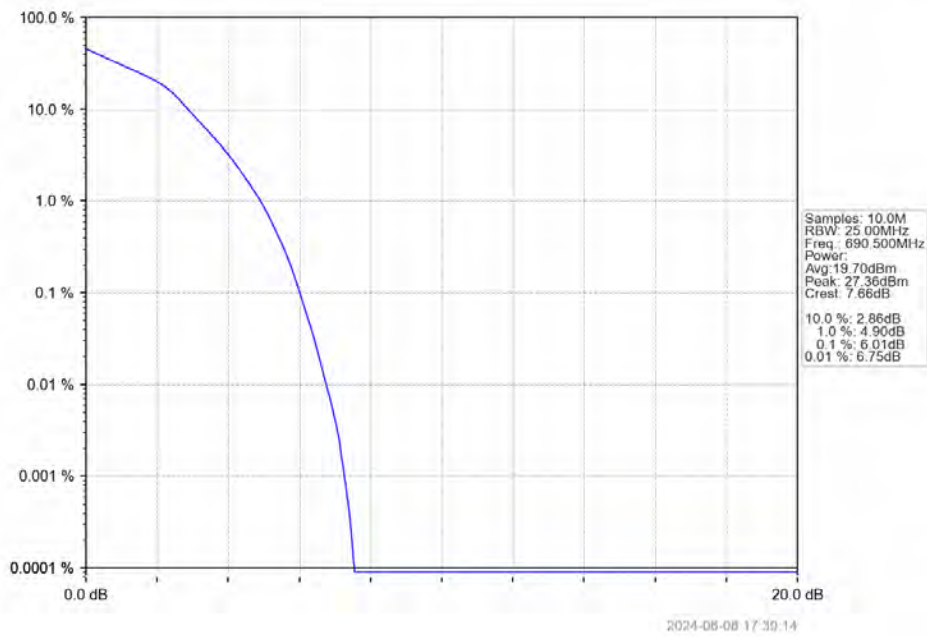
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

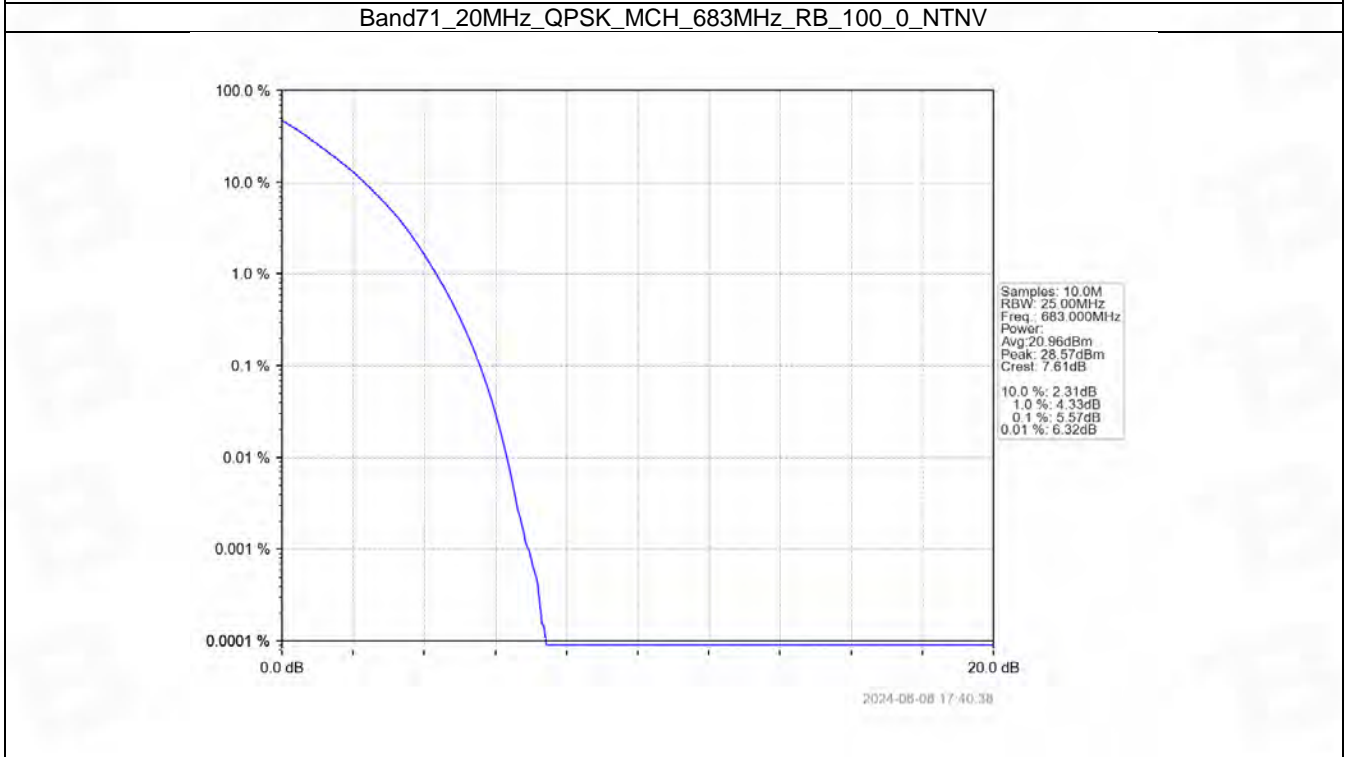
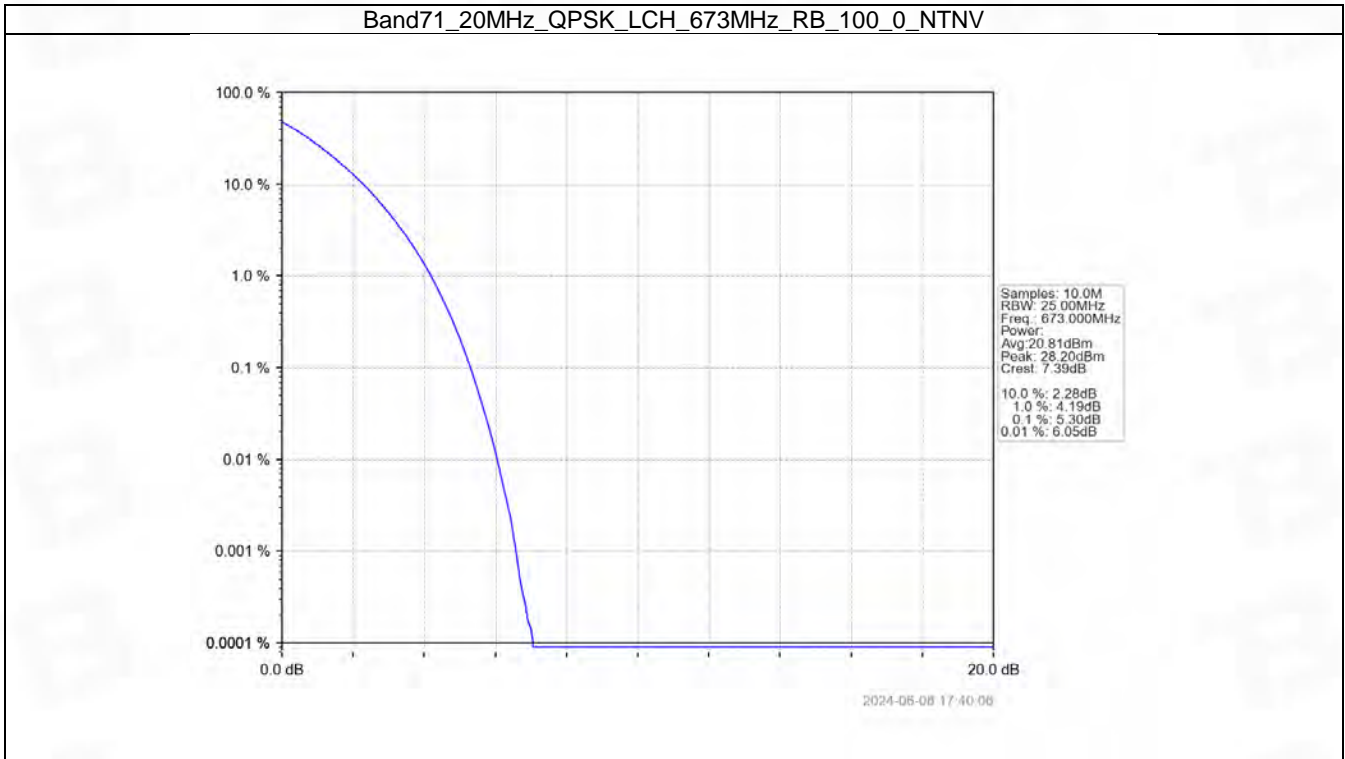


5.4 B71_20MHz

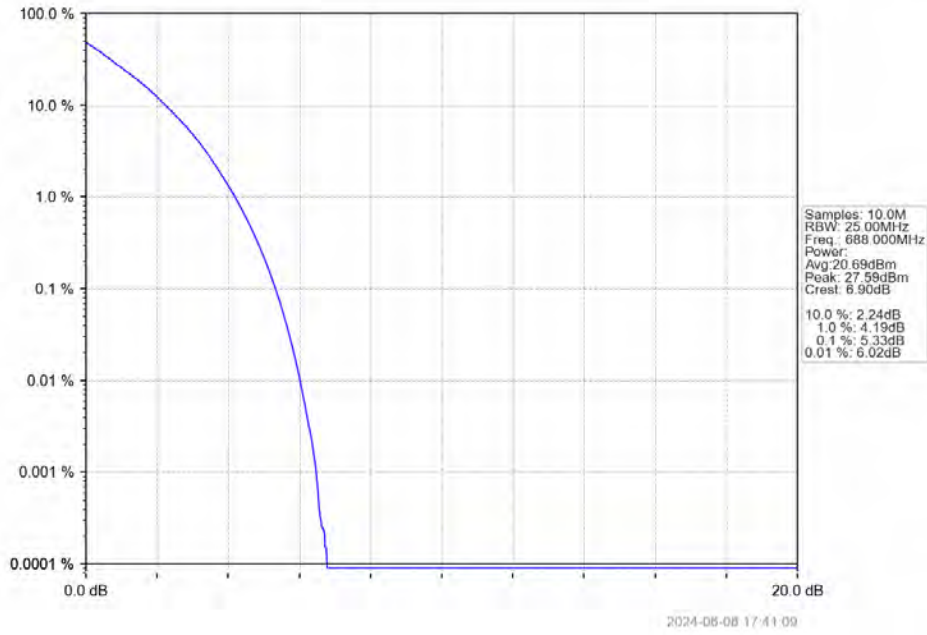
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.30	<=13	Pass
	683	100	0	5.57	<=13	Pass
	688	100	0	5.33	<=13	Pass
16QAM	673	100	0	6.06	<=13	Pass
	683	100	0	6.16	<=13	Pass
	688	100	0	6.05	<=13	Pass

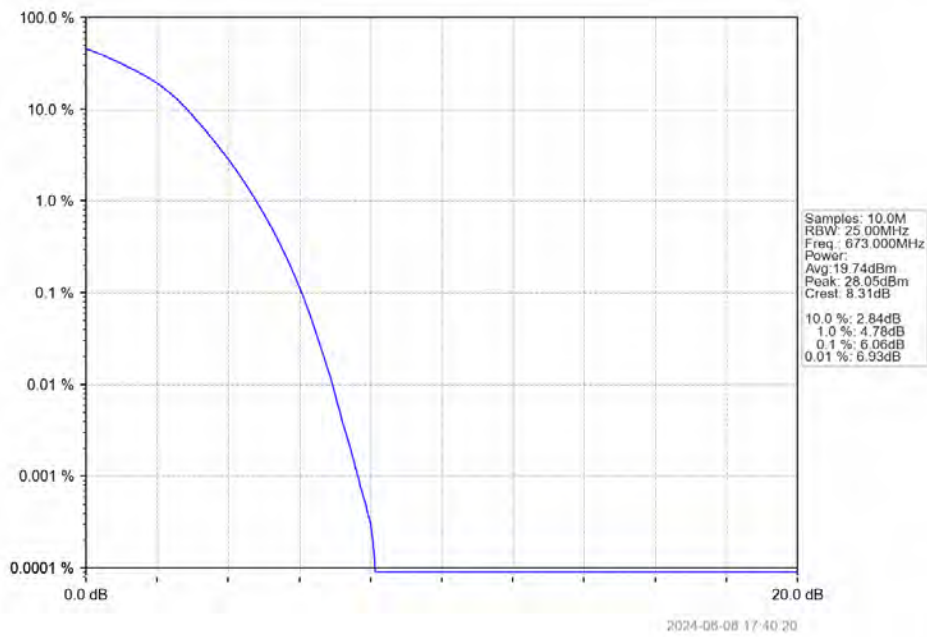
5.4.2 Test Graph



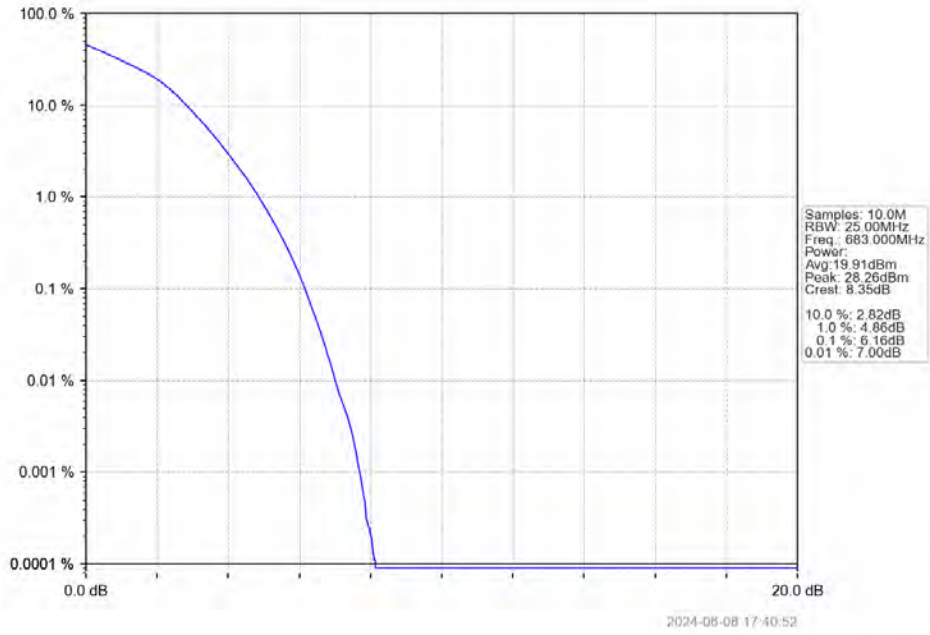
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



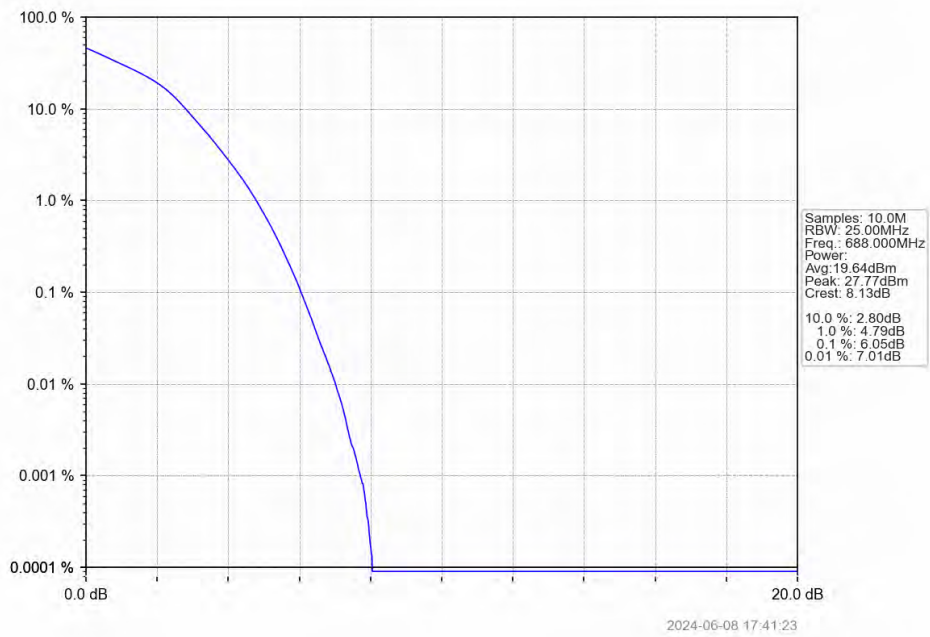
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



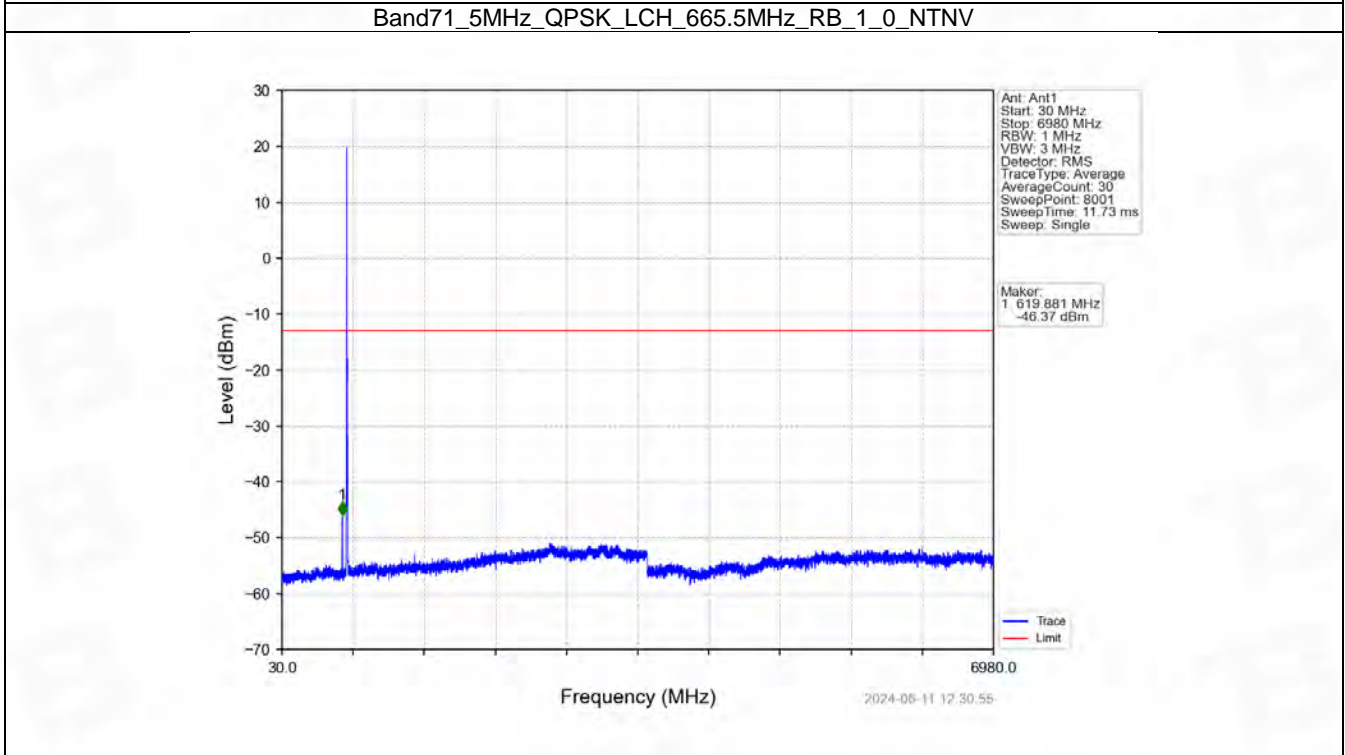
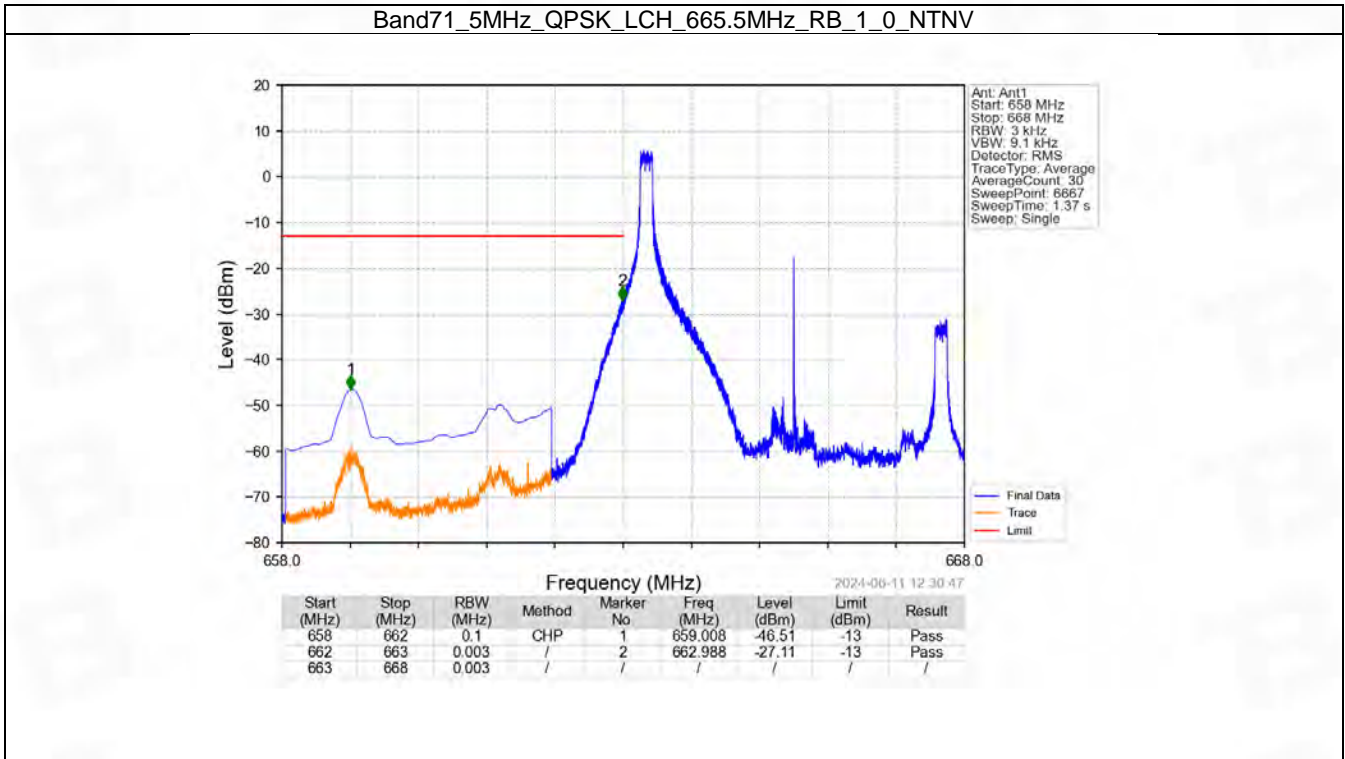
6. Spurious Emission

6.1 B71_5MHz

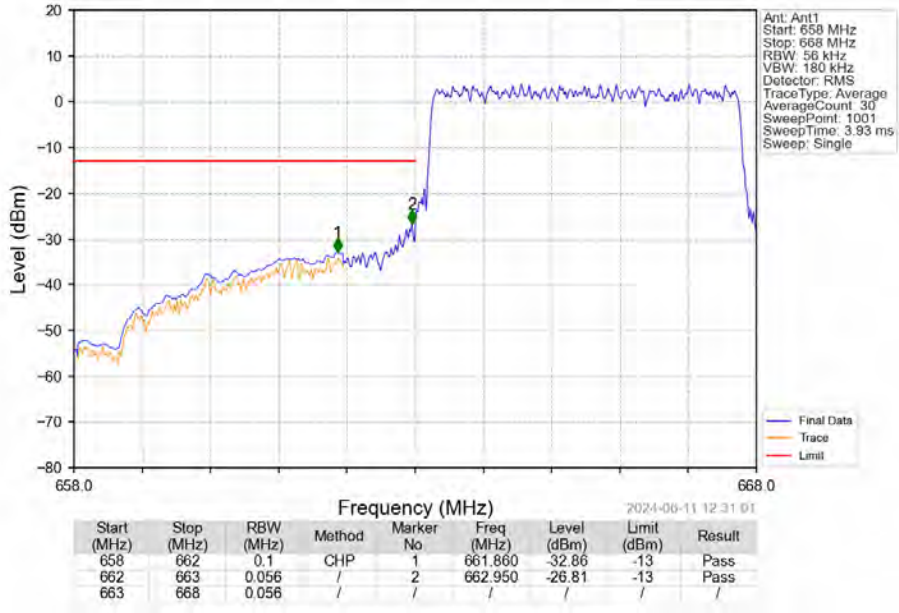
6.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

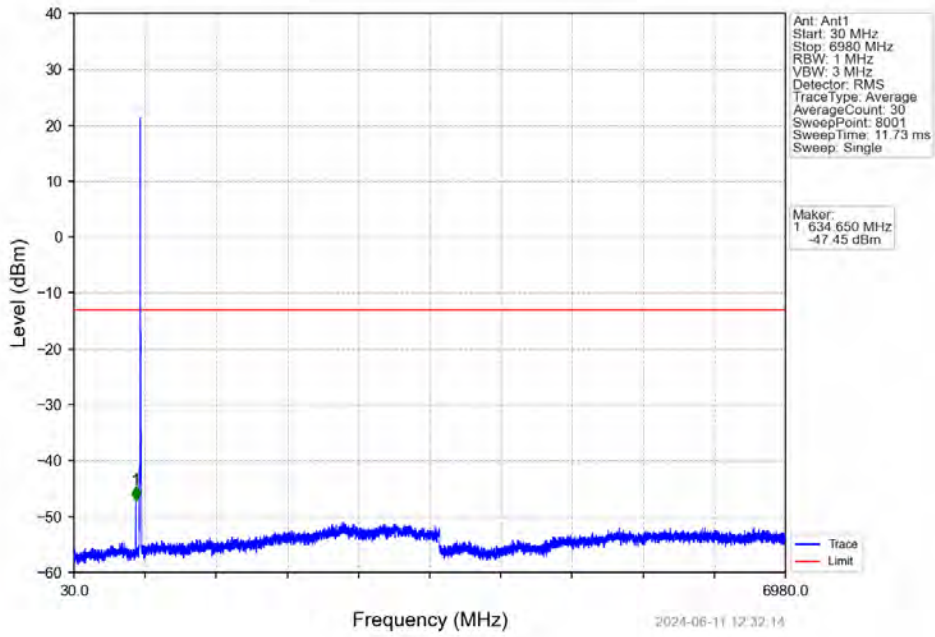
6.1.2 Test Graph



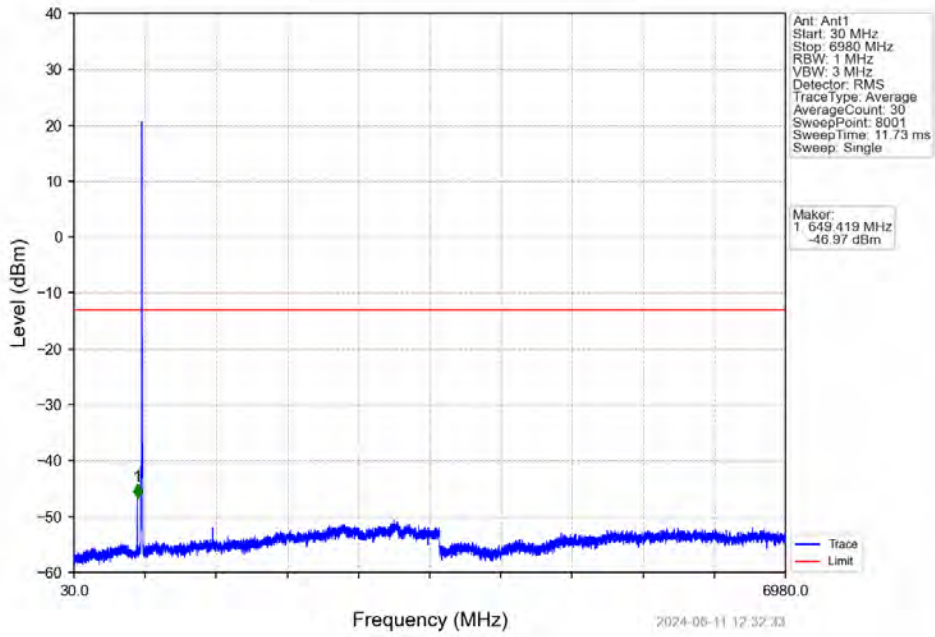
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



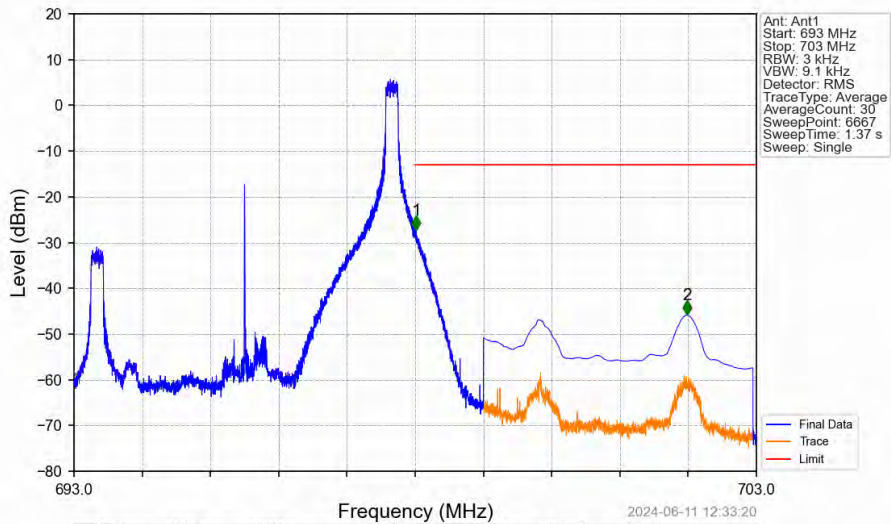
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

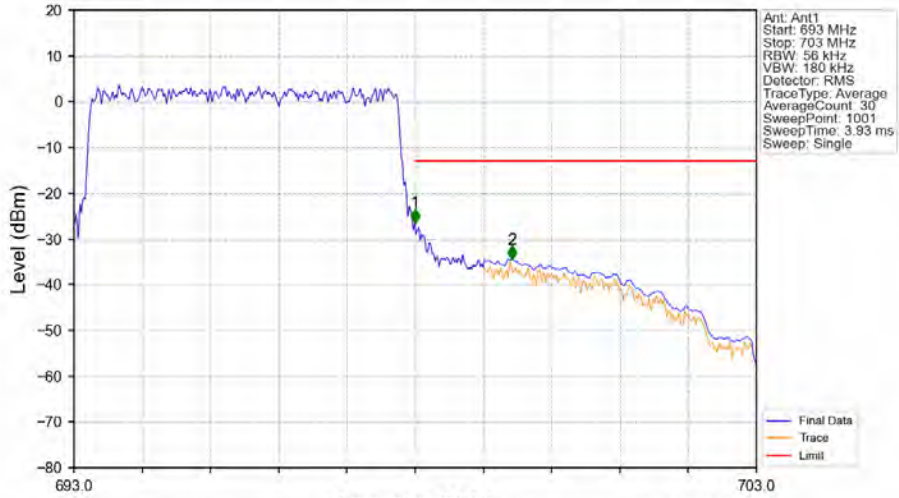


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



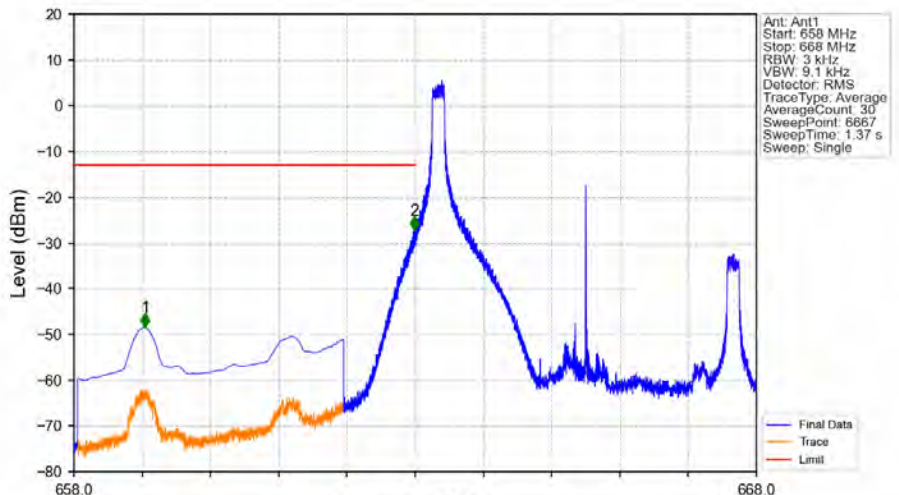
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	1	698.015	-27.29	-13	Pass
698	699	0.003	/	1	698.015	-27.29	-13	Pass
699	703	0.1	CHP	2	701.987	-45.79	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



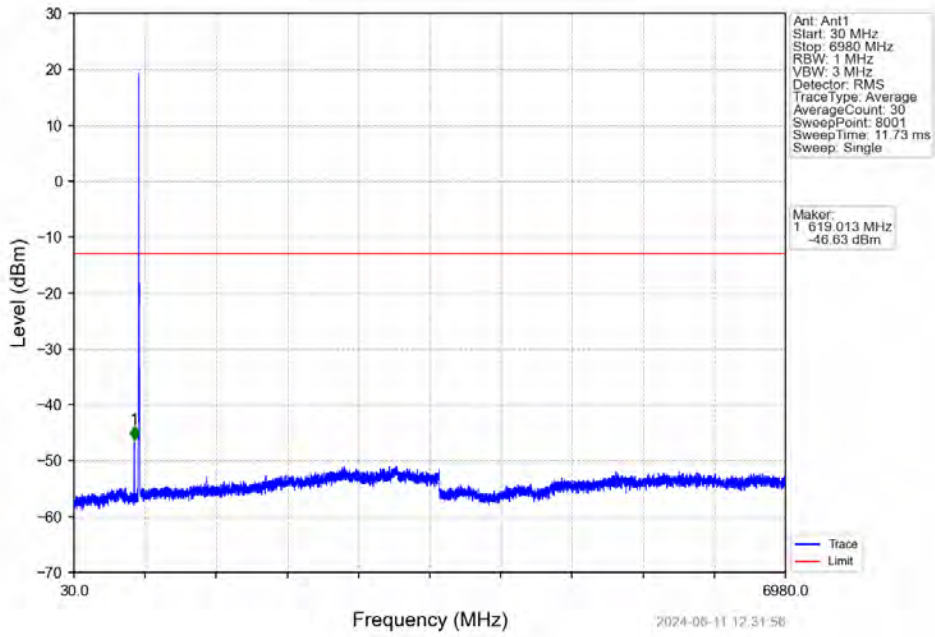
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	1	698.000	-26.47	-13	Pass
698	699	0.056	/	2	699.420	-34.45	-13	Pass

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

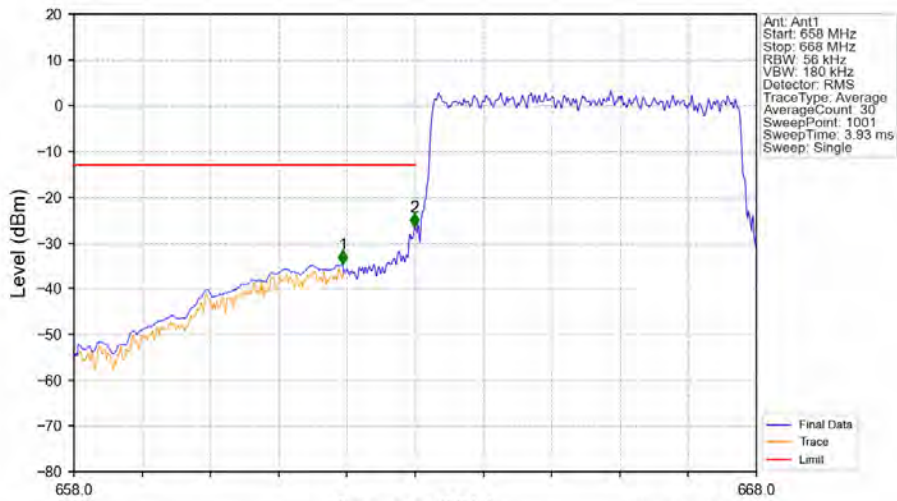


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.041	-48.40	-13	Pass
662	663	0.003	/	2	662.988	-27.28	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

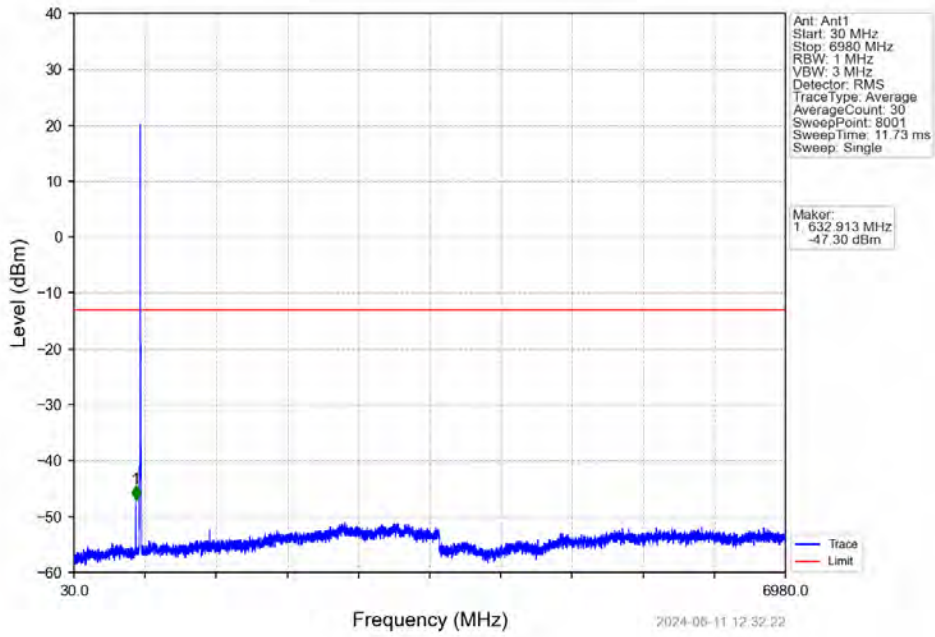


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

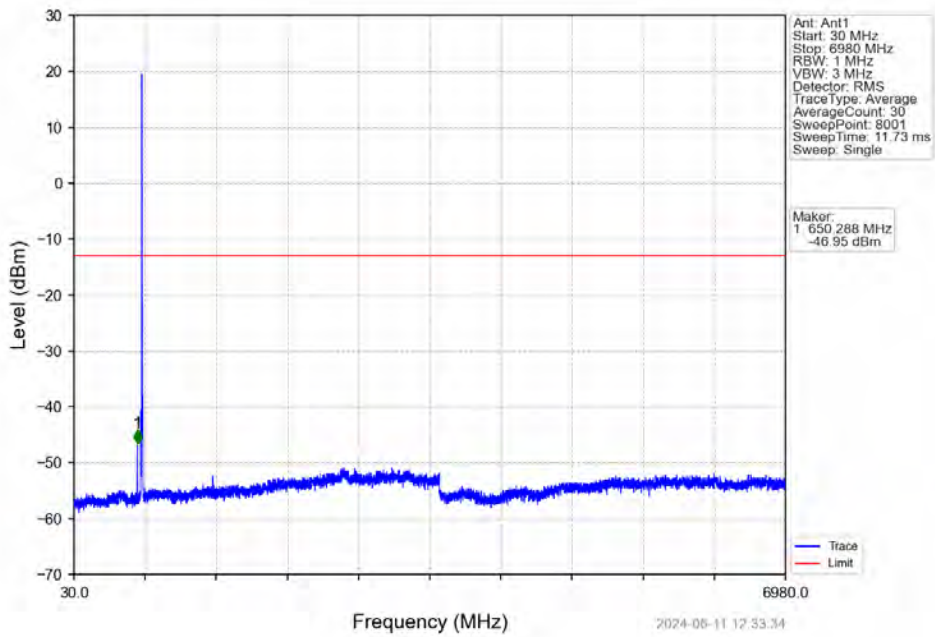


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-34.64	-13	Pass
662	663	0.056	/	2	662.990	-26.63	-13	Pass
663	668	0.056	/	/	/	/	/	/

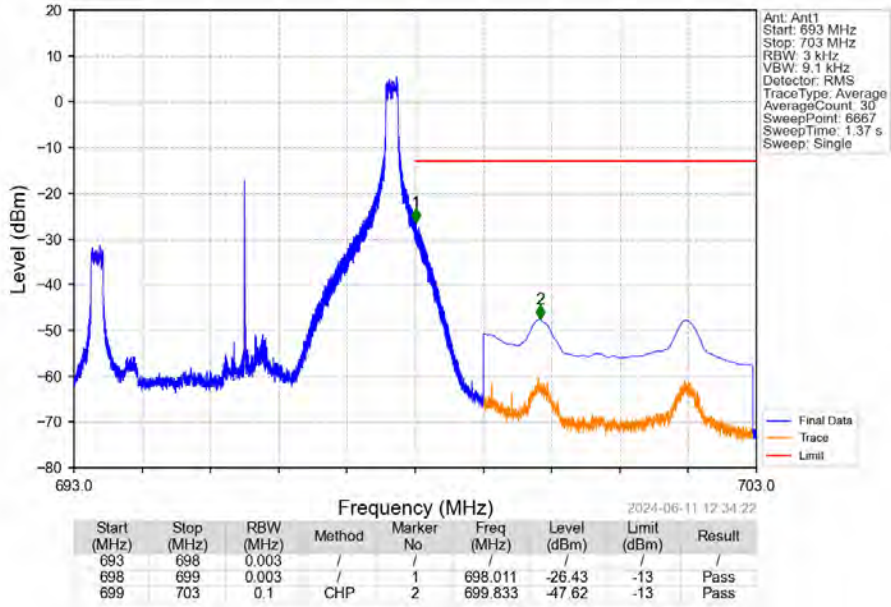
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



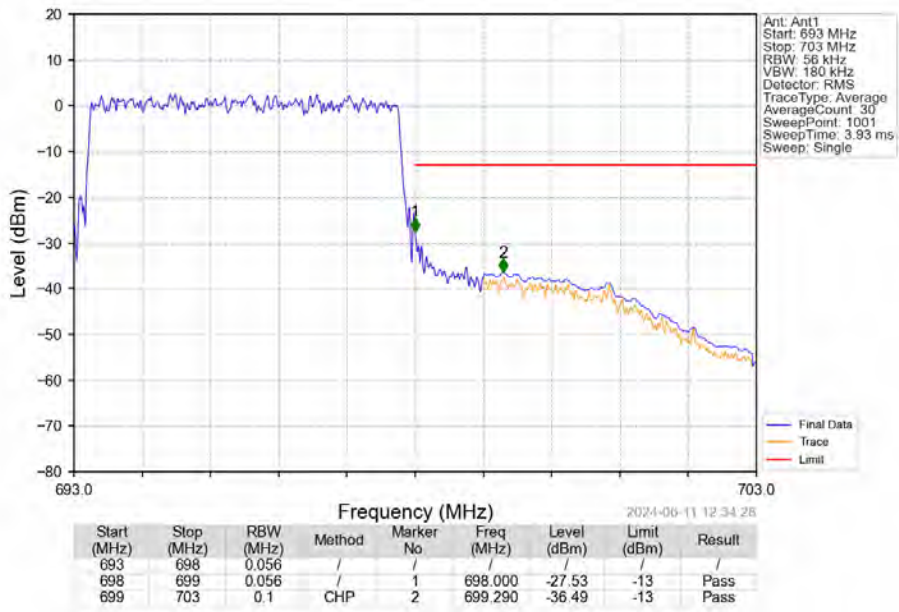
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTV

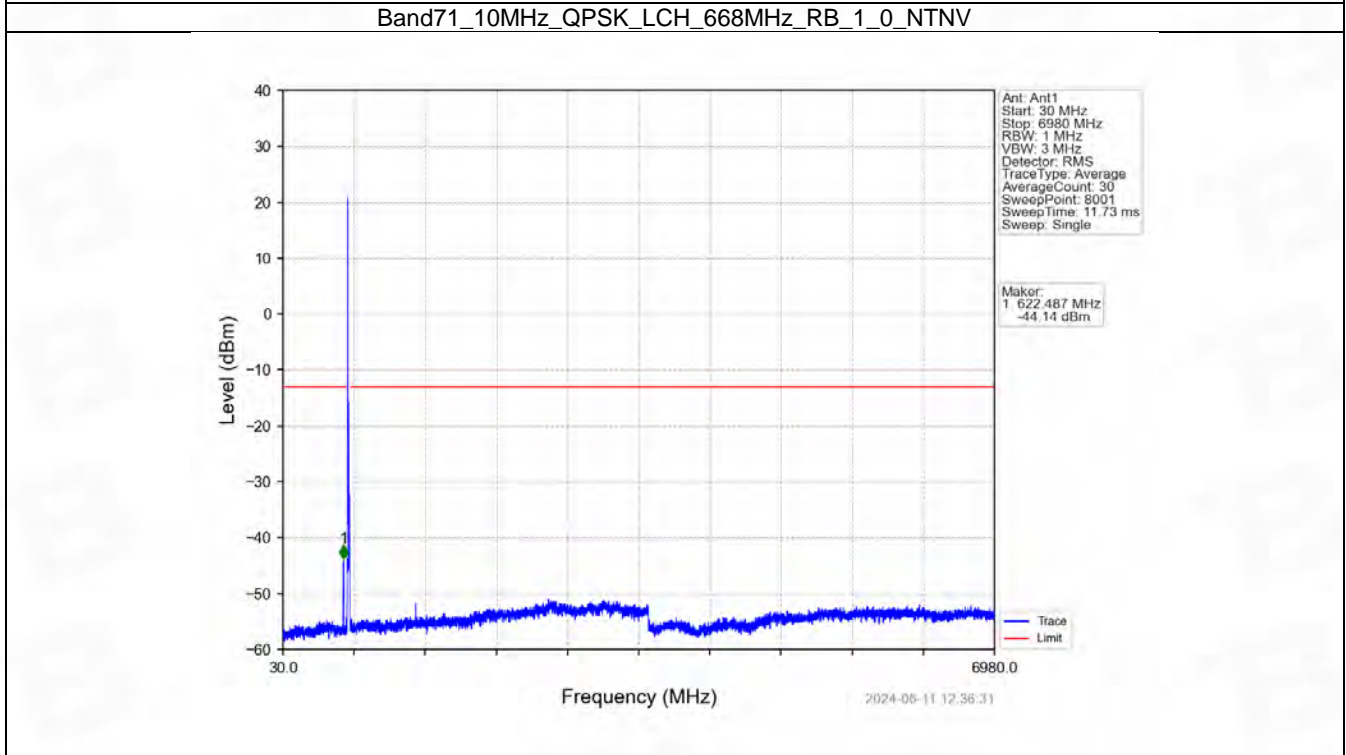
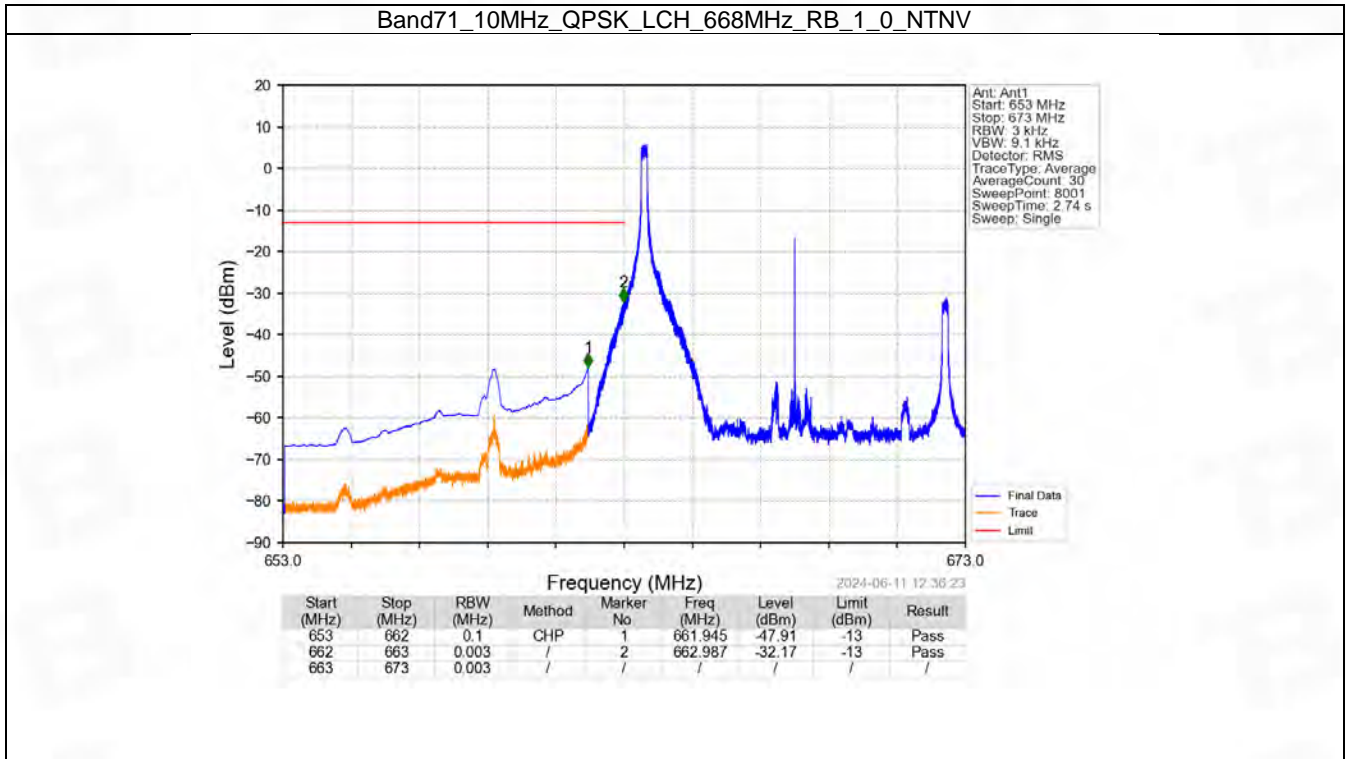


6.2 B71_10MHz

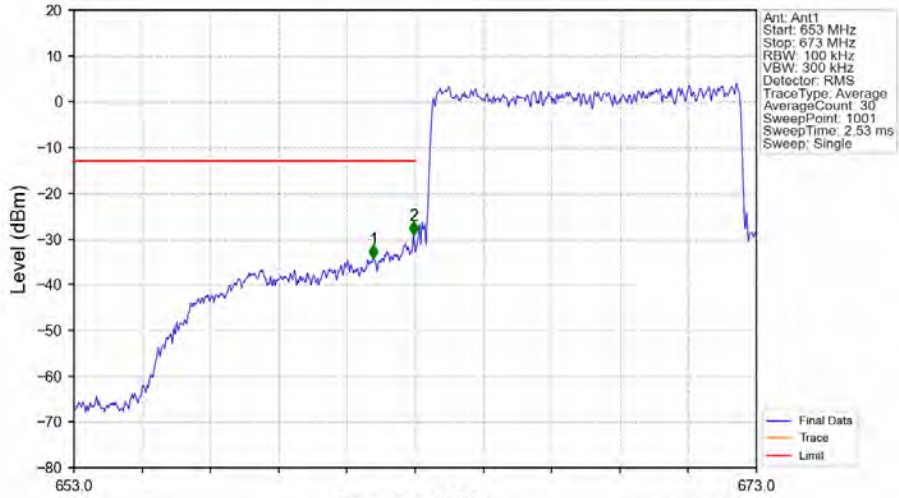
6.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2.2 Test Graph



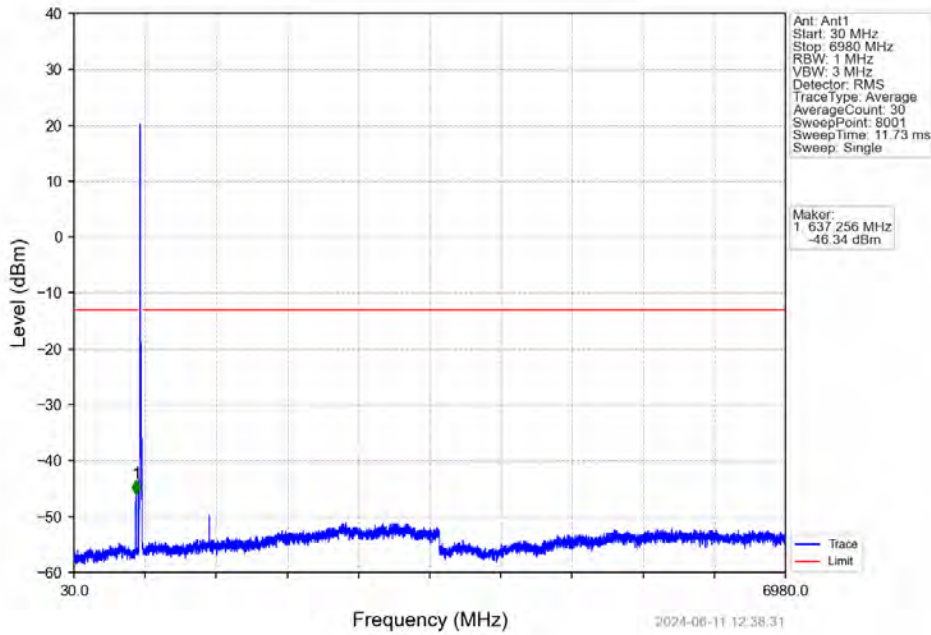
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



2024-06-11 12:36:38

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.780	-34.26	-13	Pass
662	663	0.104	/	2	662.960	-29.22	-13	Pass
663	673	0.104	/	/	/	/	/	/

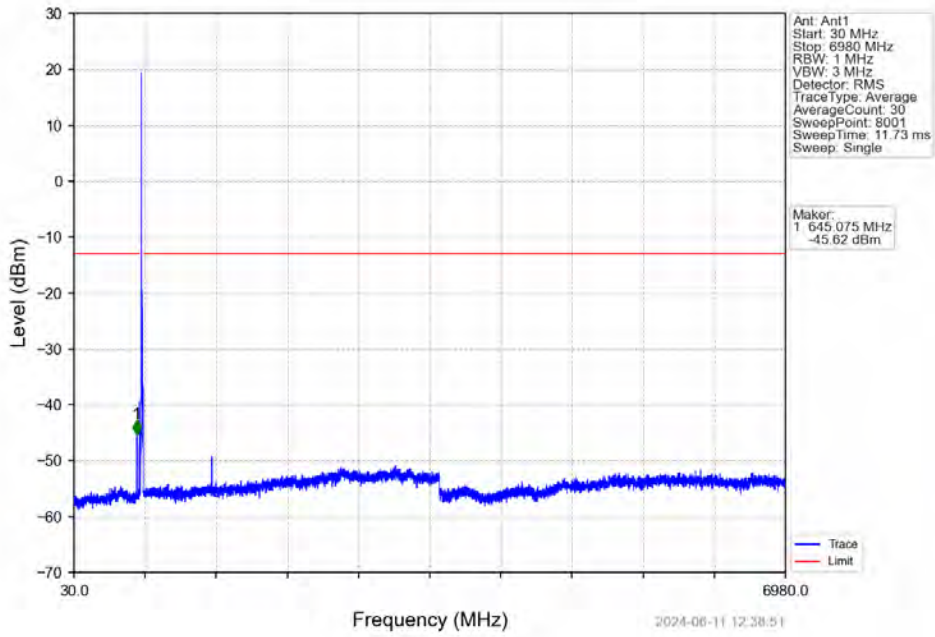
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



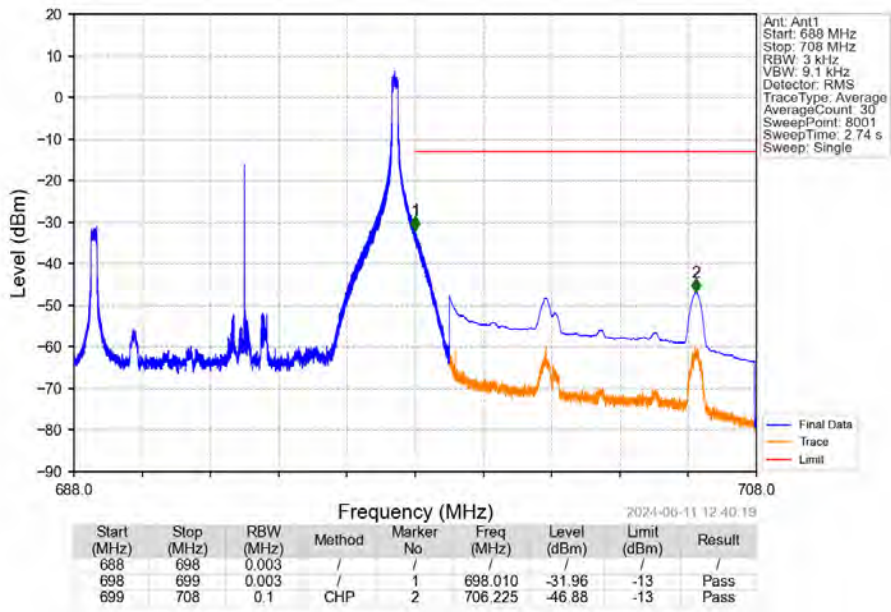
Marker:
1 637.256 MHz
-46.34 dBm

2024-06-11 12:38:31

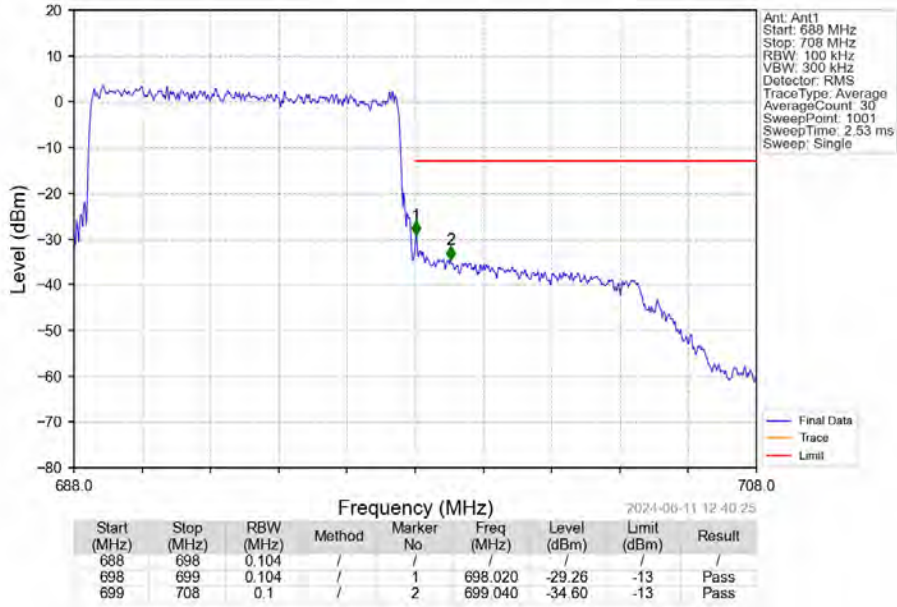
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



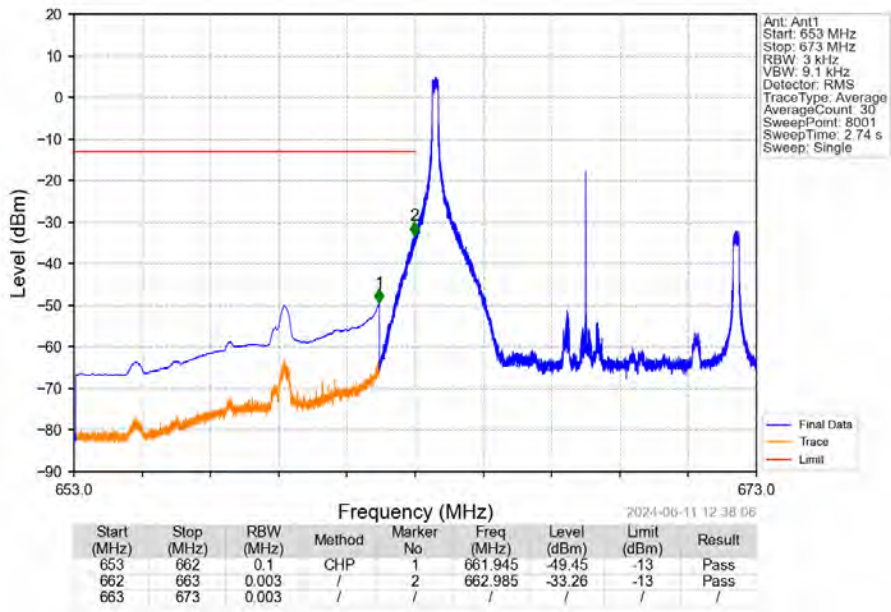
Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



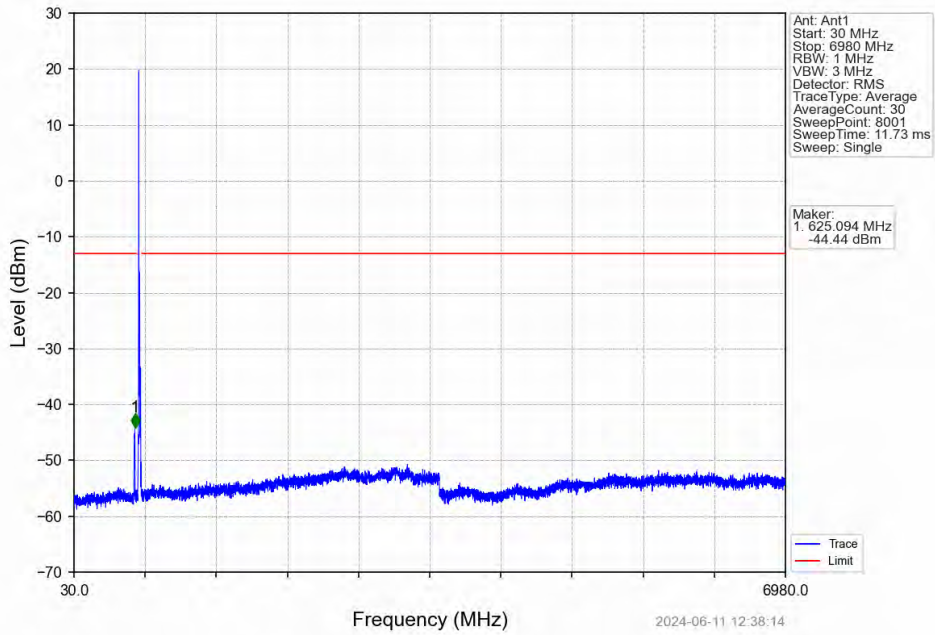
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



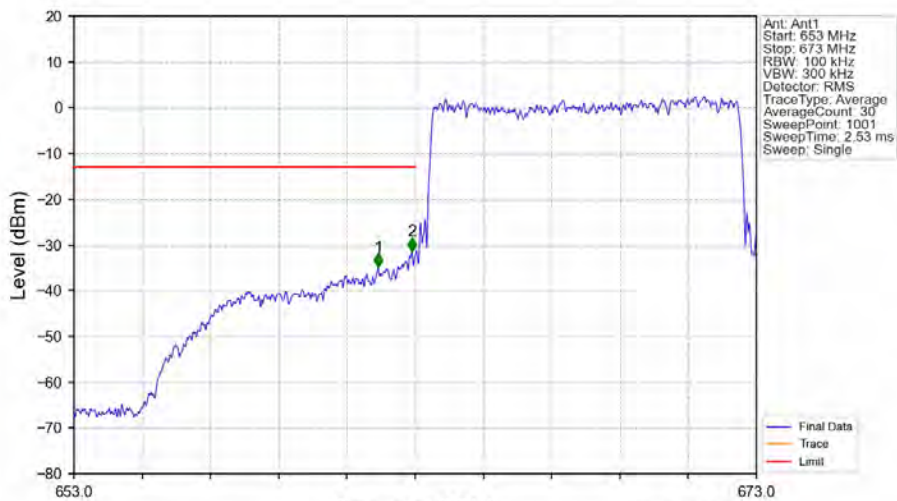
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

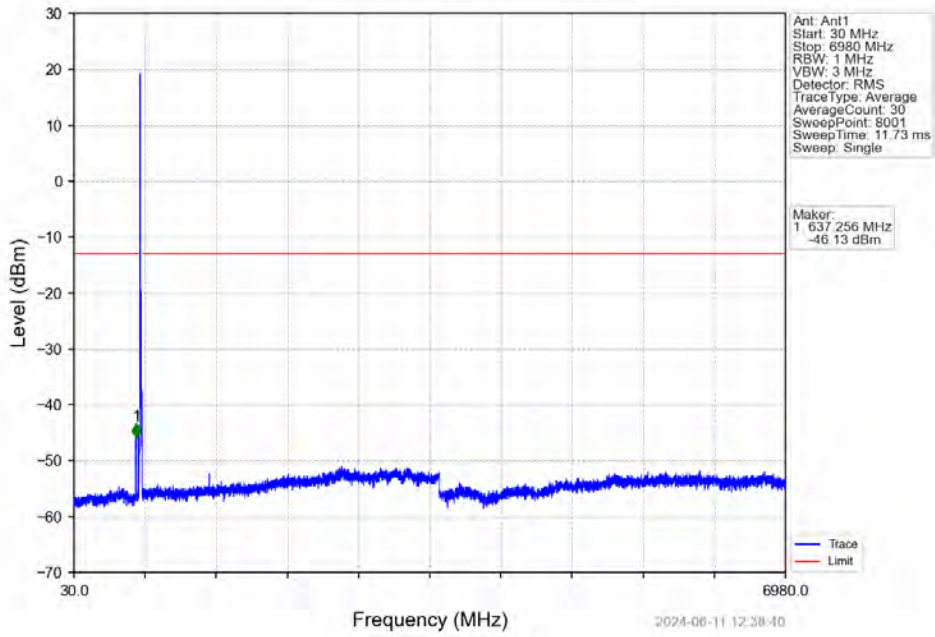


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

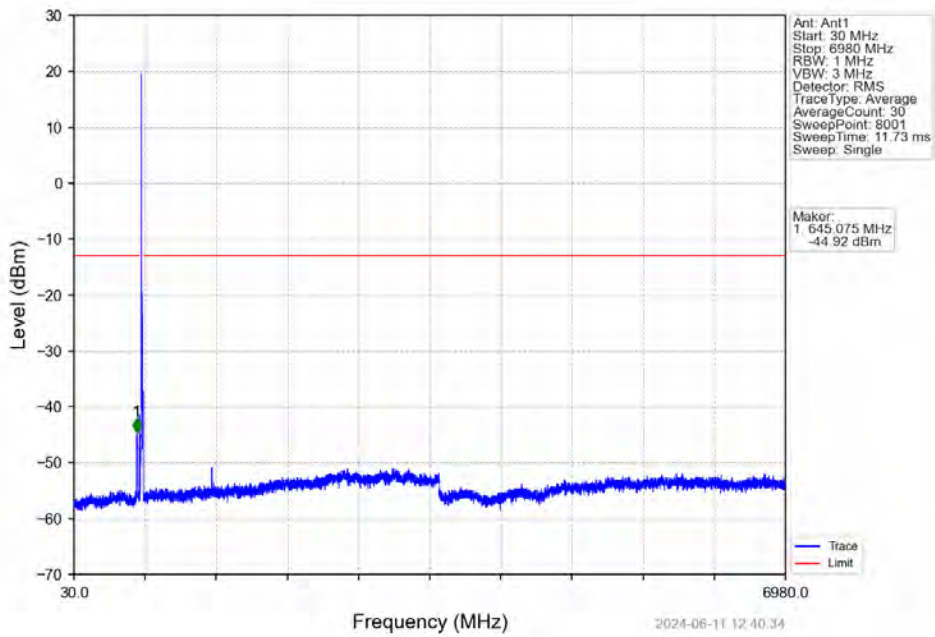


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.920	-34.80	-13	Pass
662	663	0.103	/	2	662.900	-31.44	-13	Pass
663	673	0.103	/	/	/	/	/	/

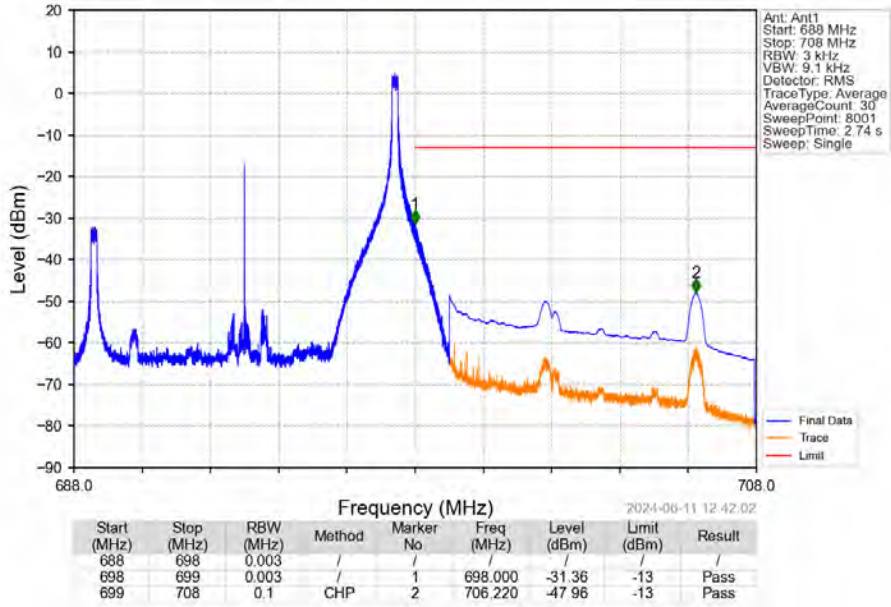
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



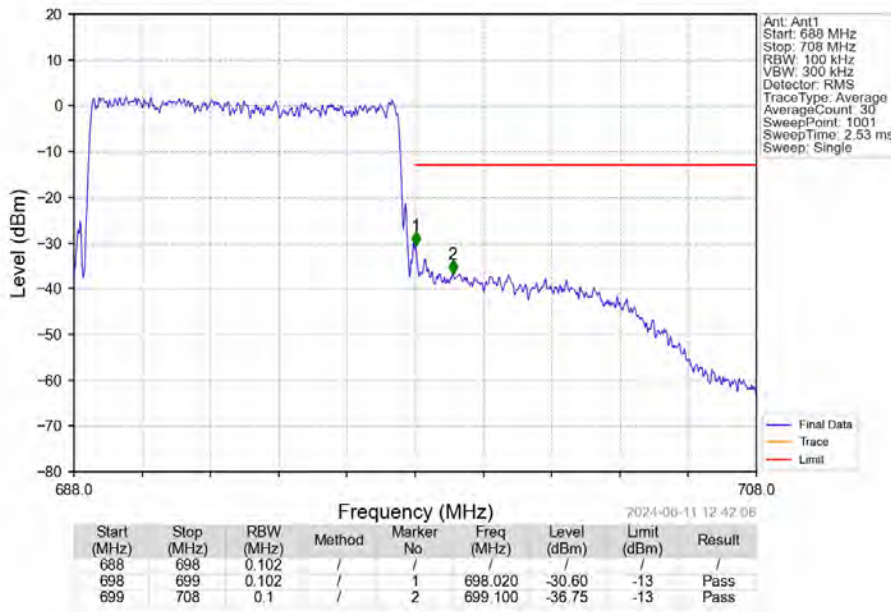
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTV

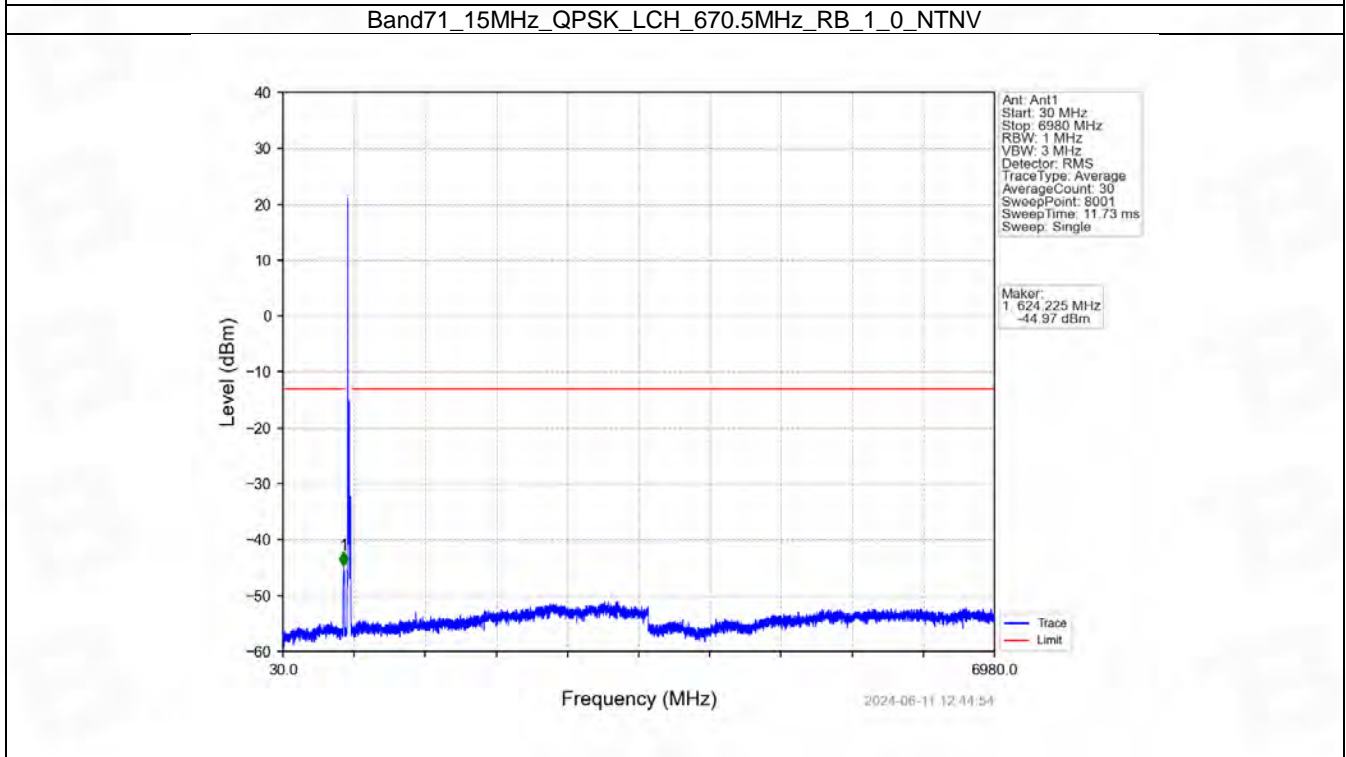
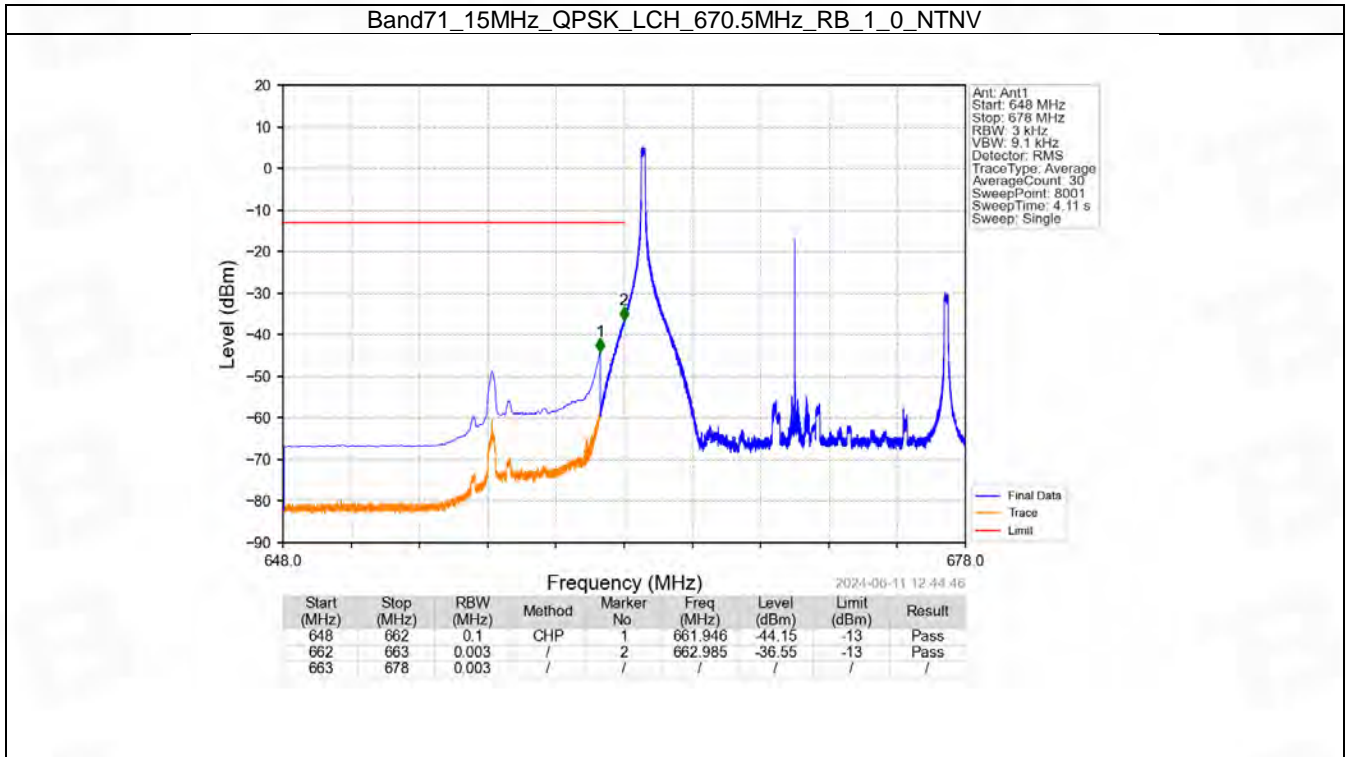


6.3 B71_15MHz

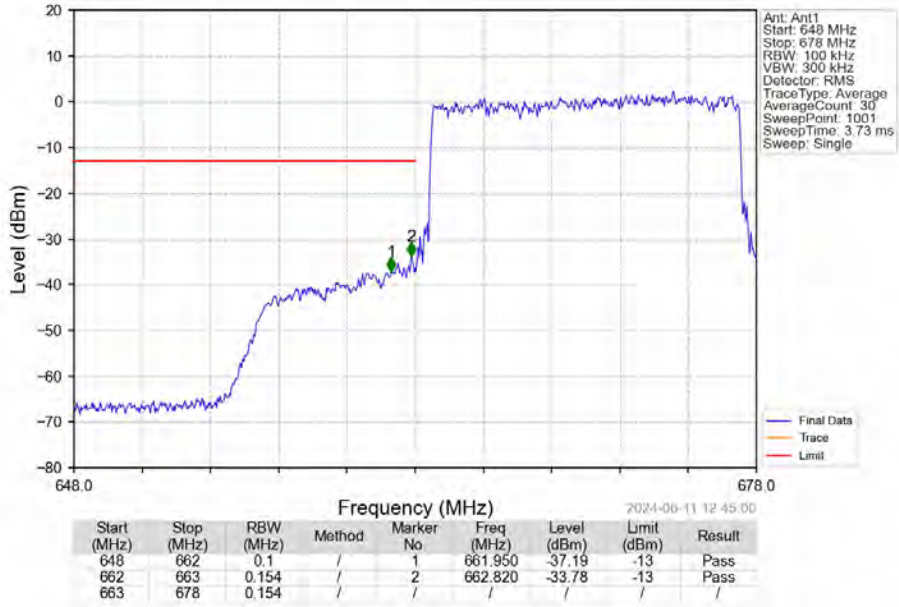
6.3.1 Test Result

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

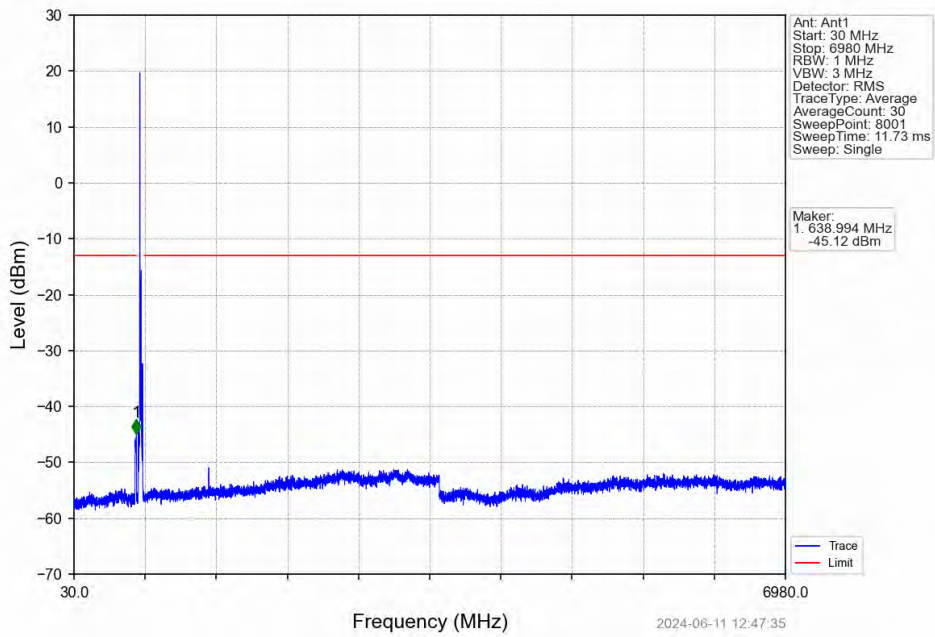
6.3.2 Test Graph



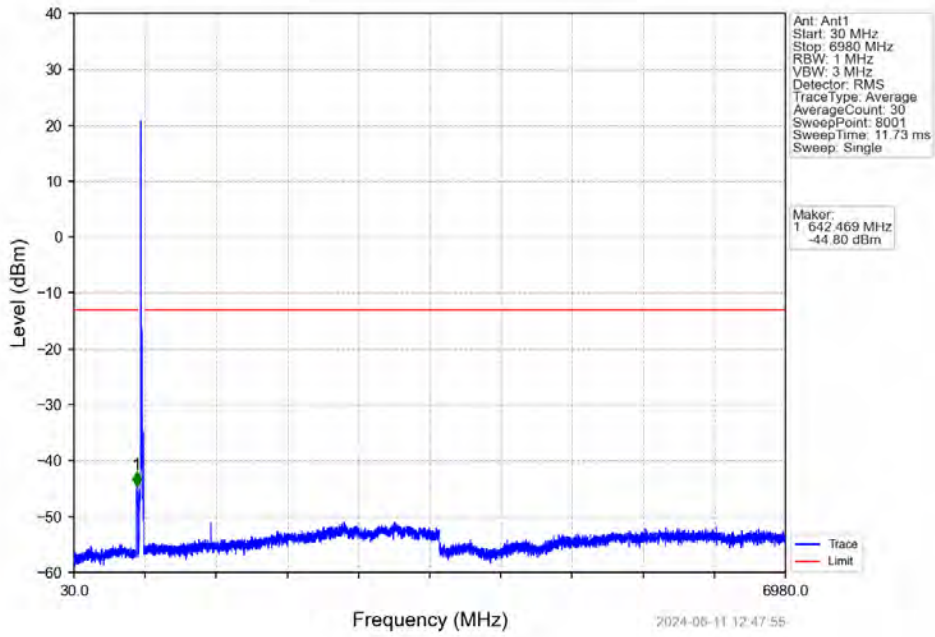
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



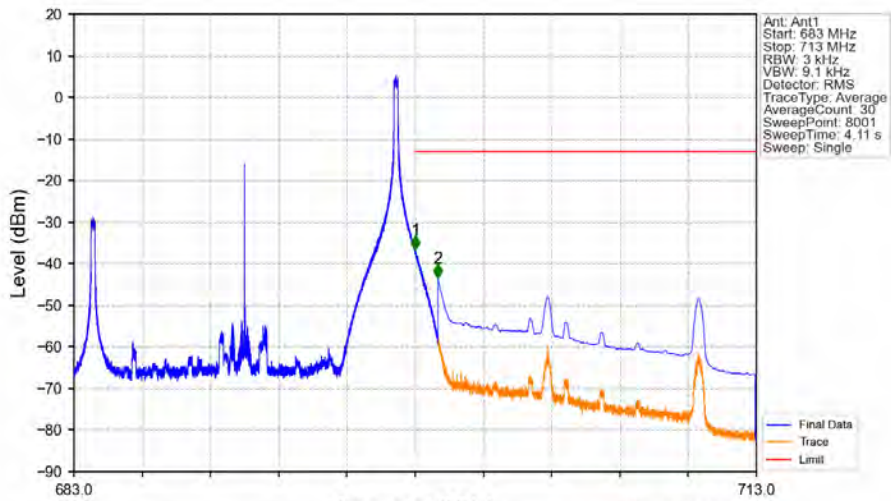
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

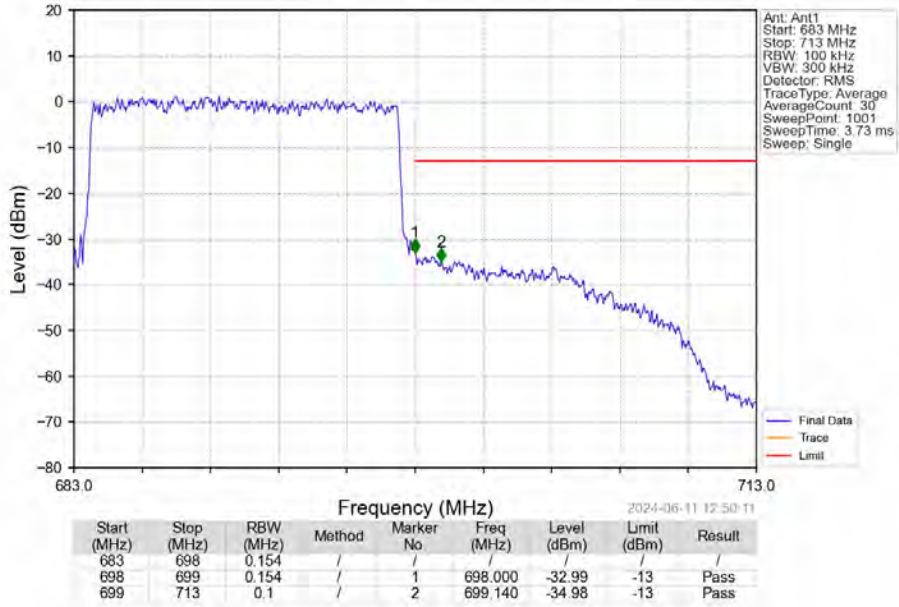


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV

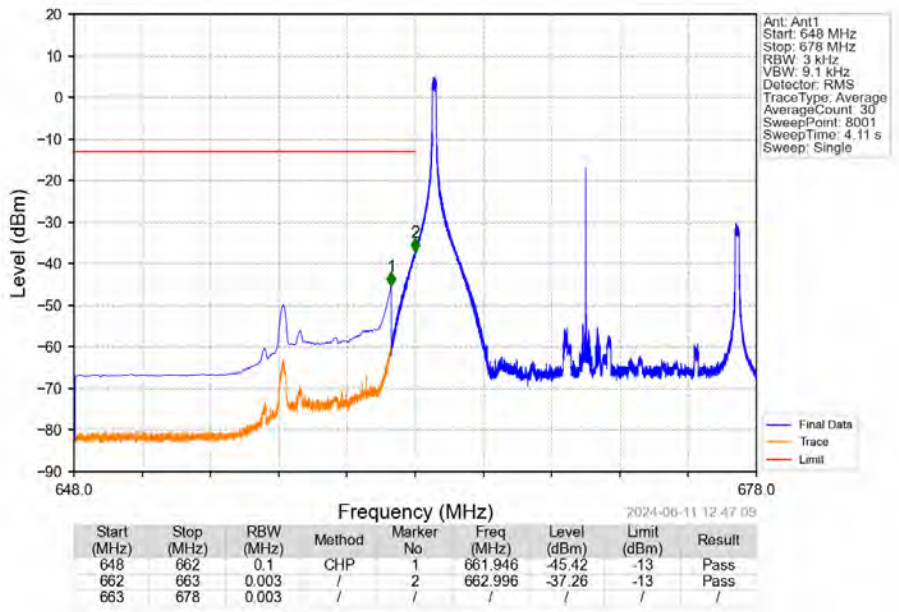


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	1	698.011	-36.65	-13	Pass
698	699	0.003	/	1	698.011	-36.65	-13	Pass
699	713	0.1	CHP	2	699.001	-43.52	-13	Pass

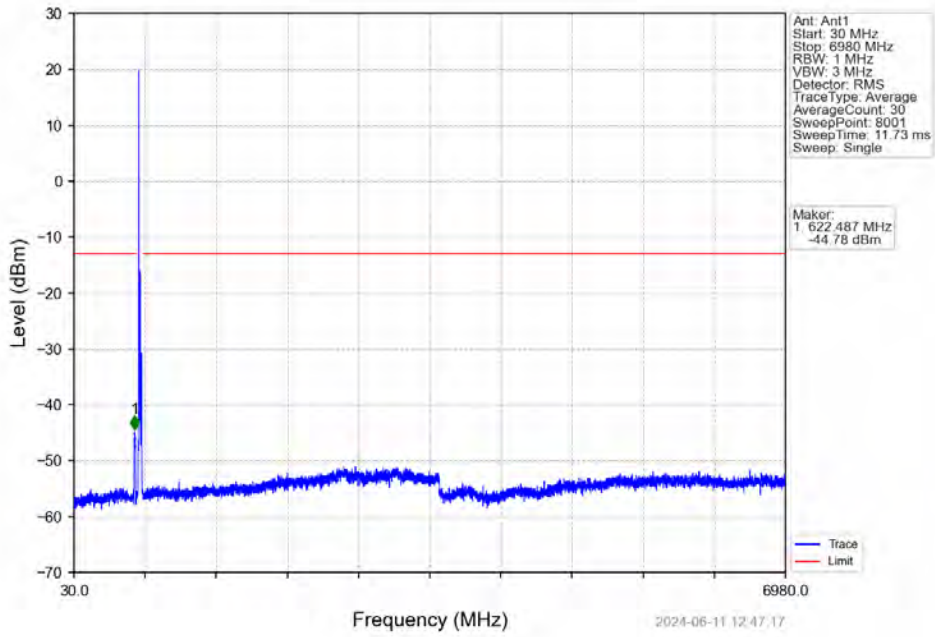
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



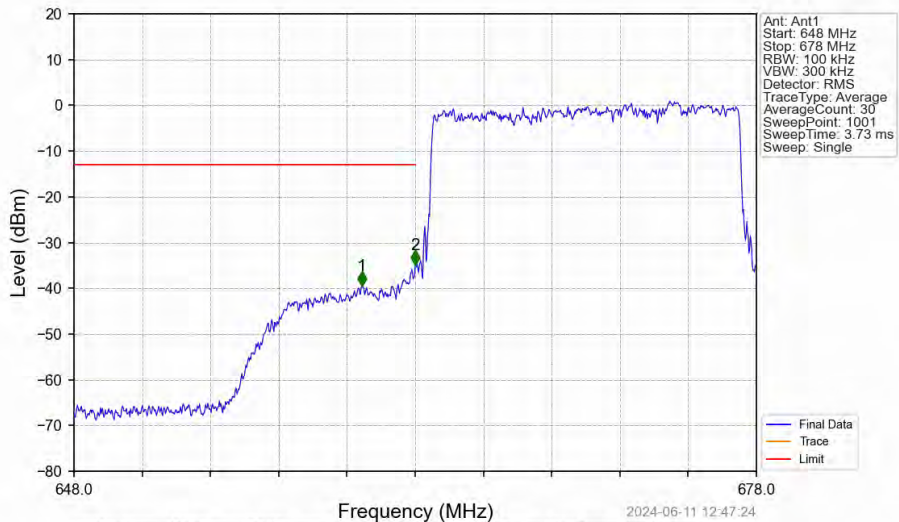
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

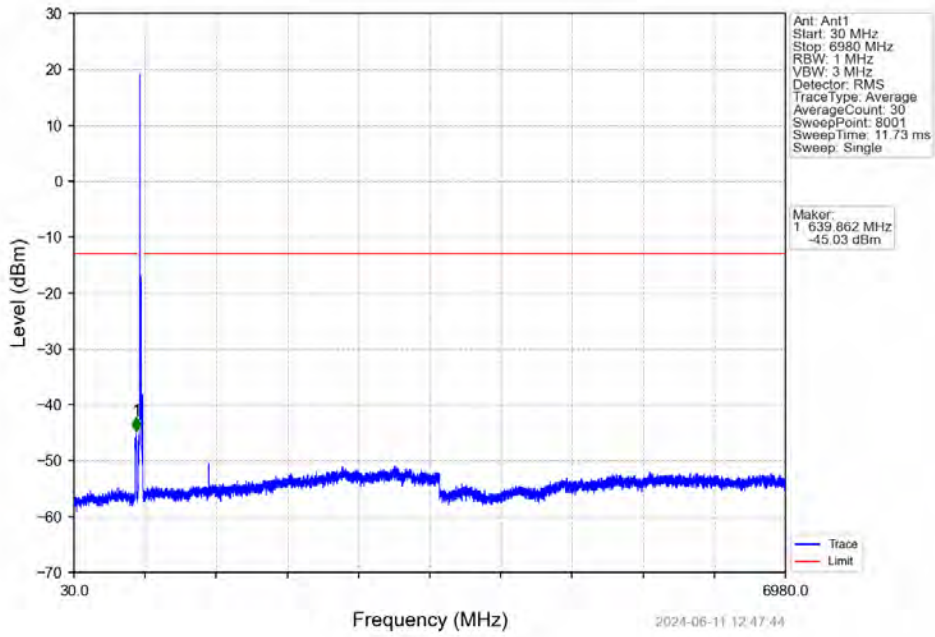


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

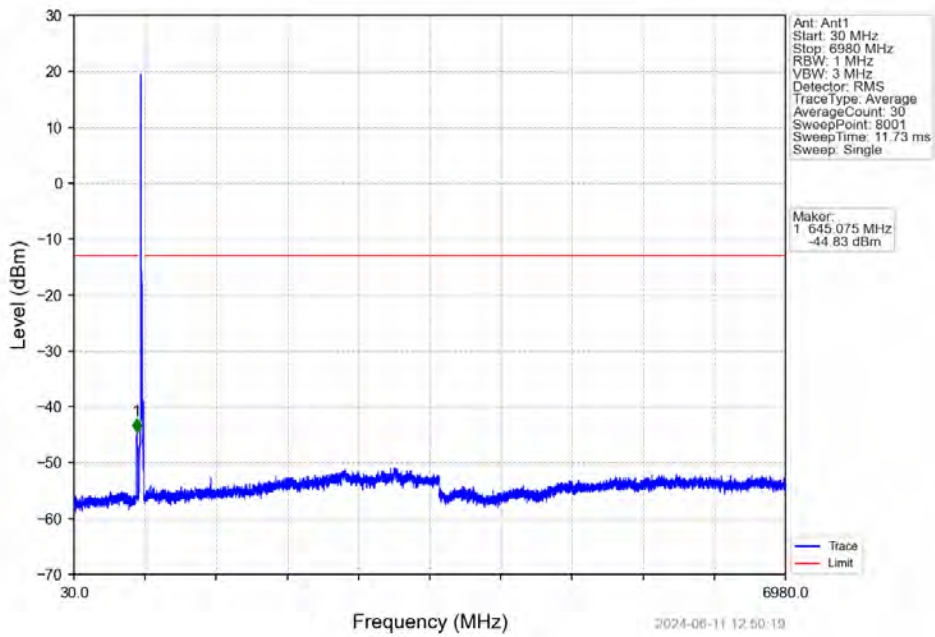


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	660.660	-39.42	-13	Pass
662	663	0.153	/	2	663.000	-34.92	-13	Pass
663	678	0.153	/	/	/	/	/	/

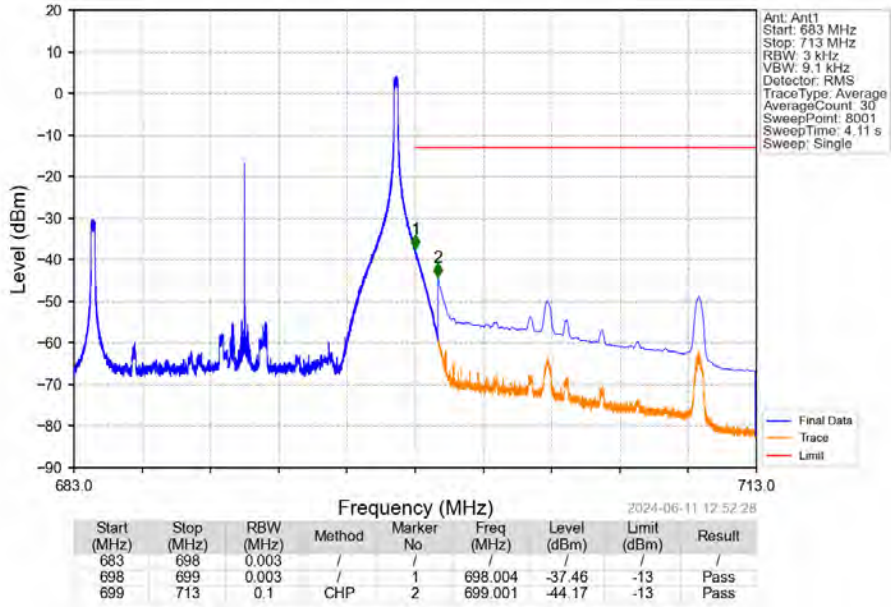
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



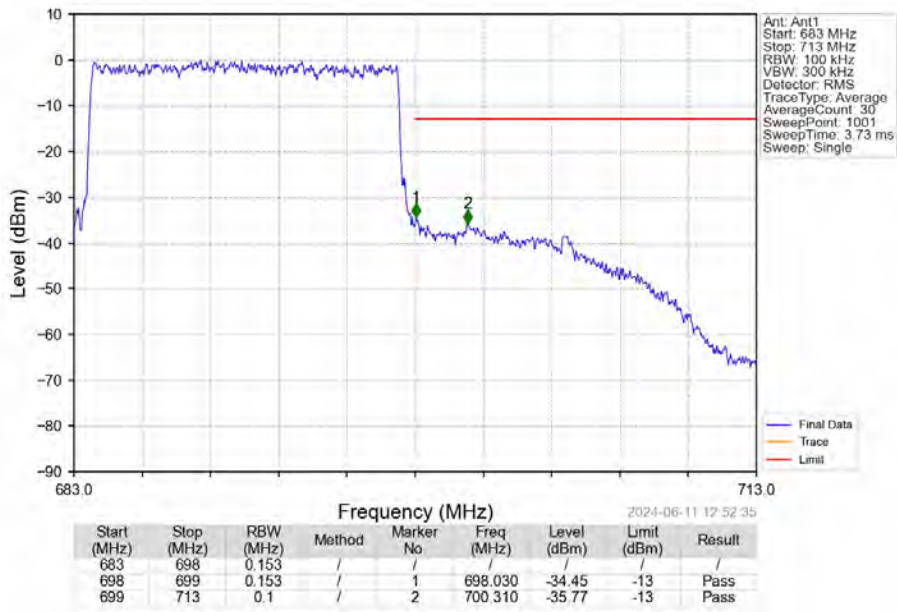
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

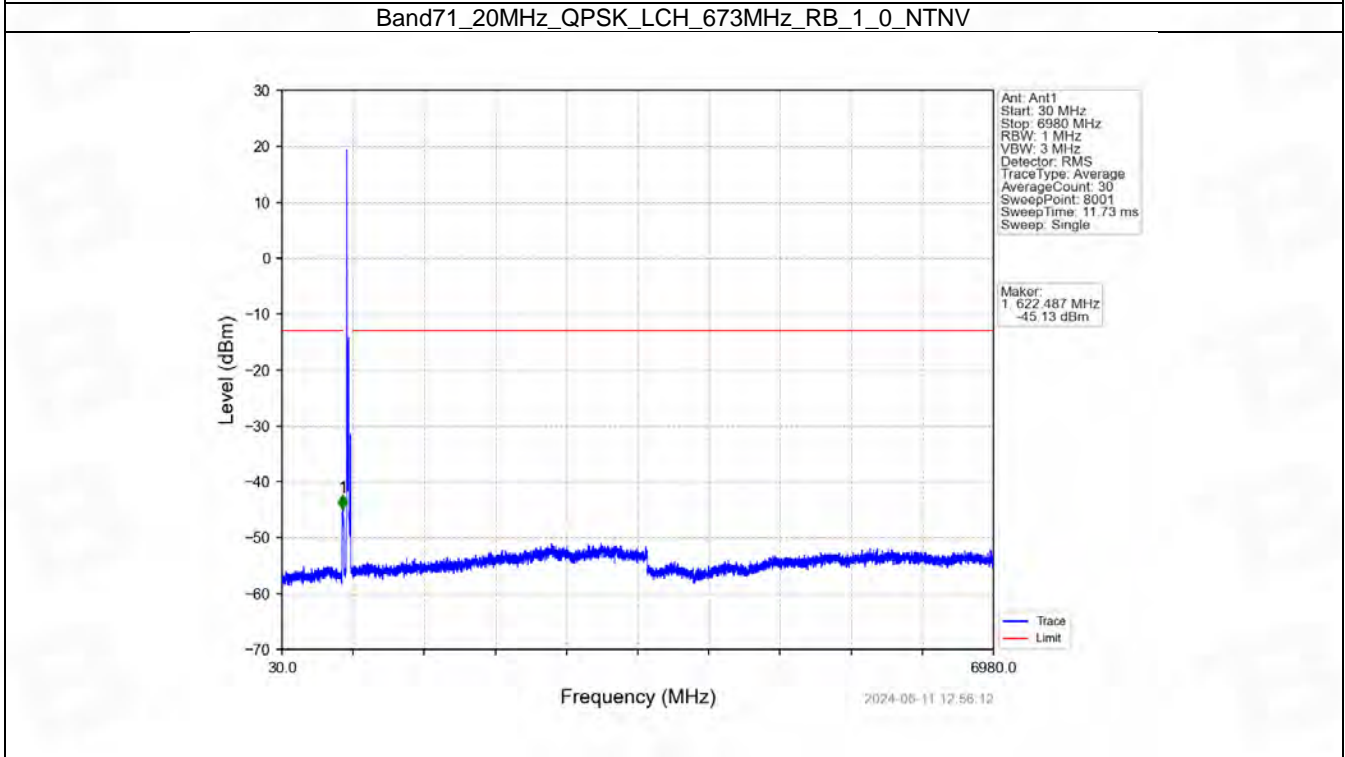
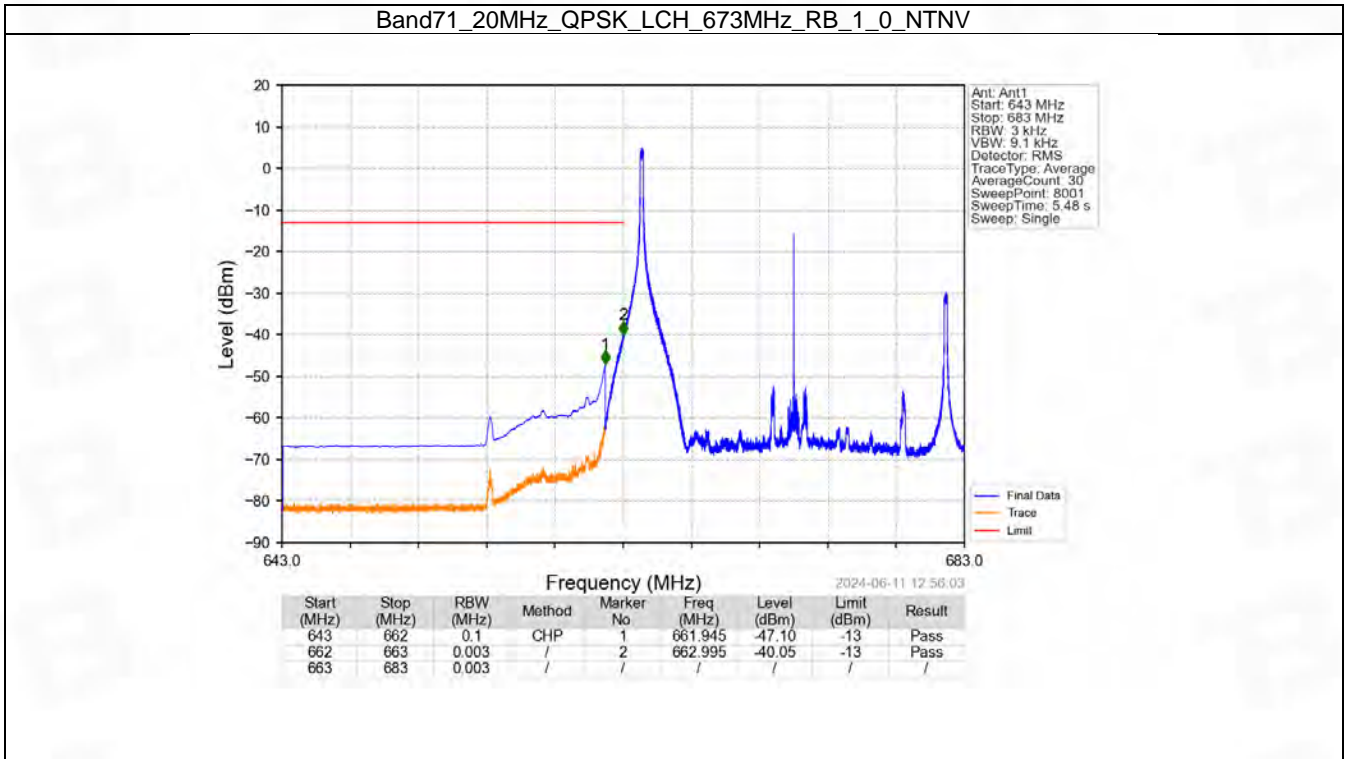


6.4 B71_20MHz

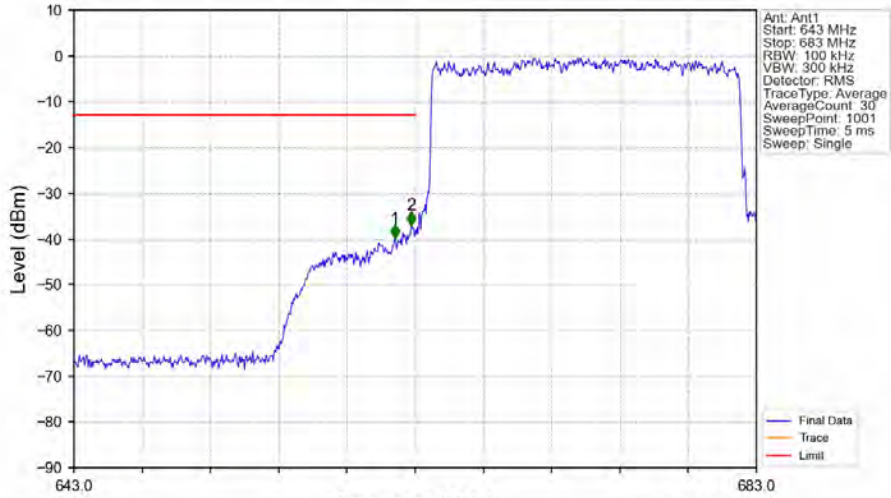
6.4.1 Test Result

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

6.4.2 Test Graph

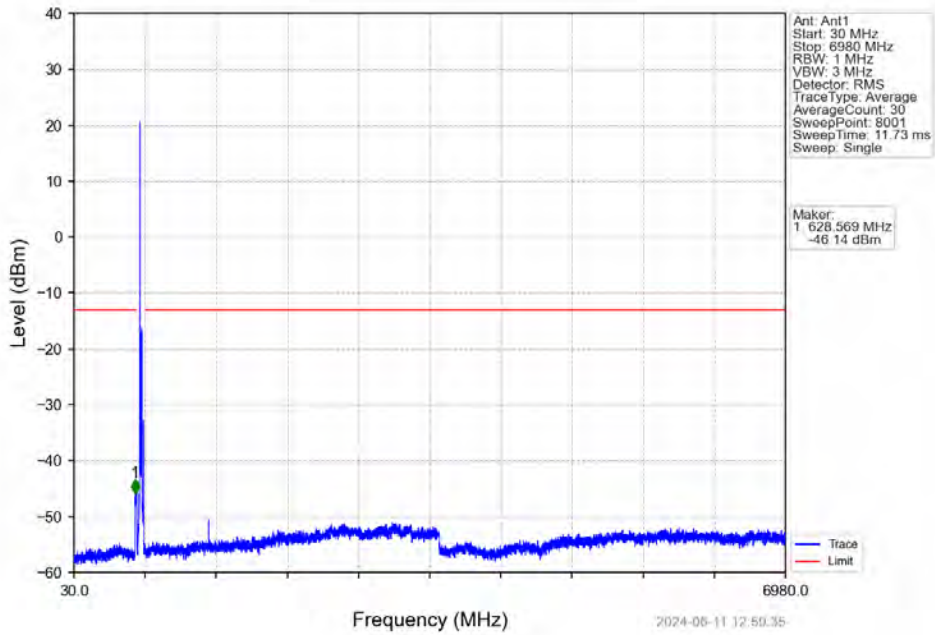


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

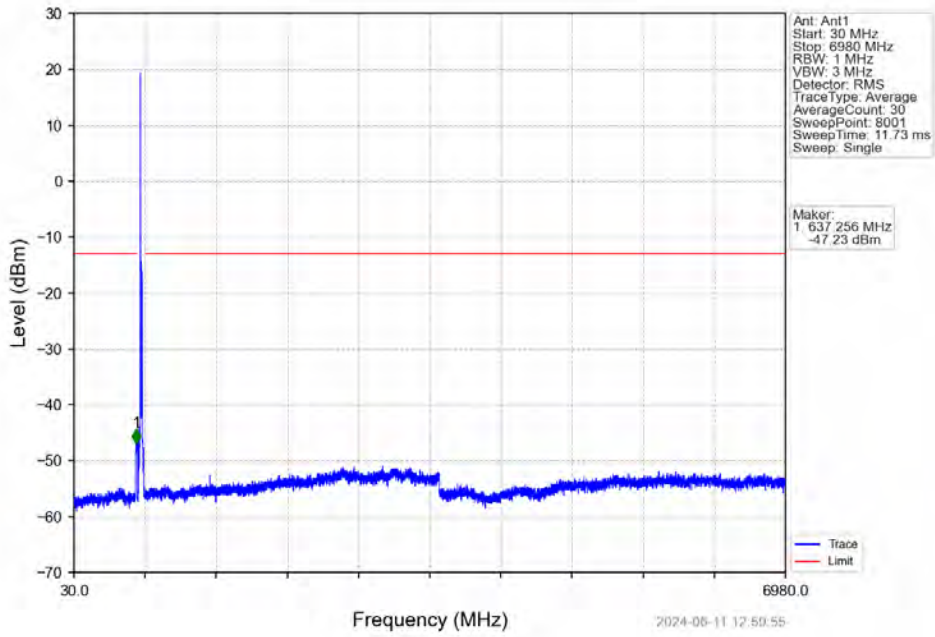


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.800	-39.86	-13	Pass
662	663	0.201	/	2	662.760	-37.03	-13	Pass
663	683	0.201	/	/	/	/	/	/

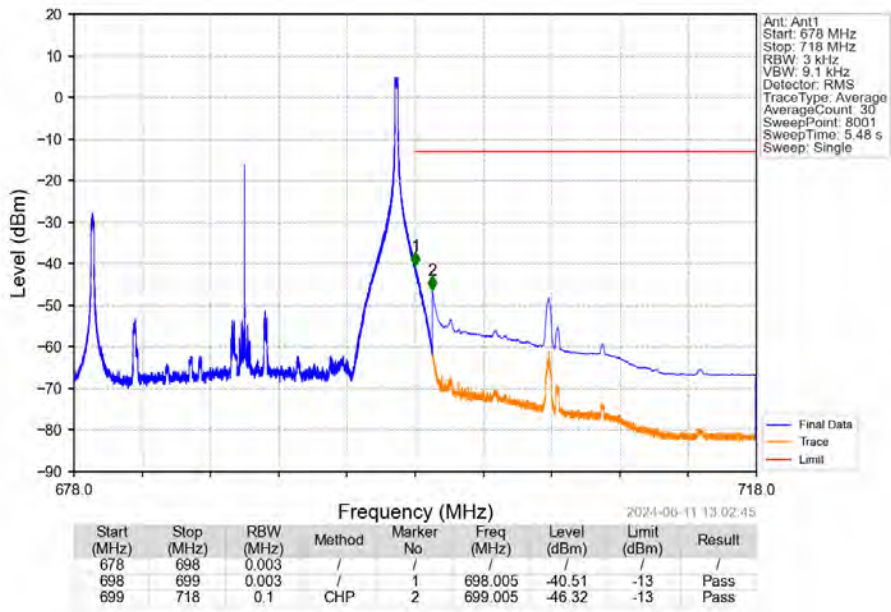
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



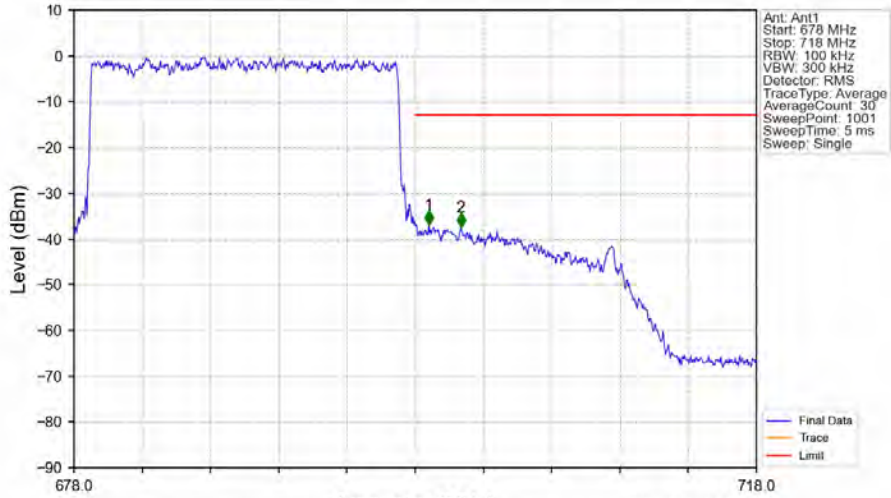
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV

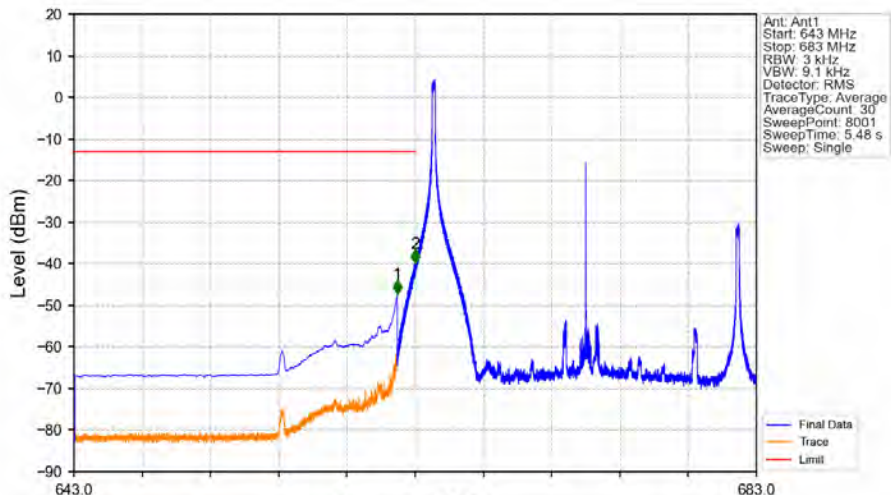


Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



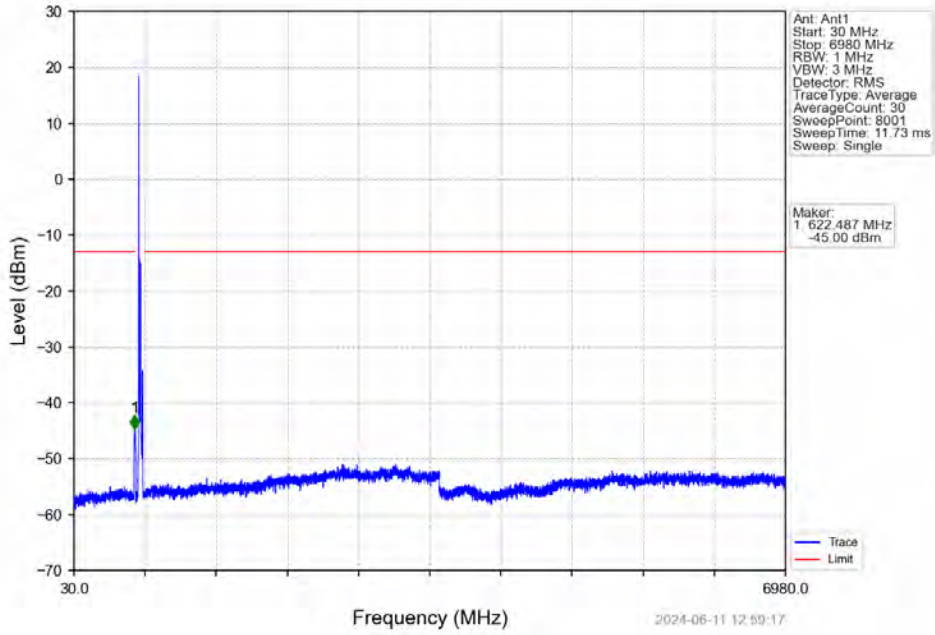
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.202	/	/	/	/	/	/
698	699	0.202	/	1	698.800	-36.88	-13	Pass
699	718	0.1	/	2	700.680	-37.48	-13	Pass

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

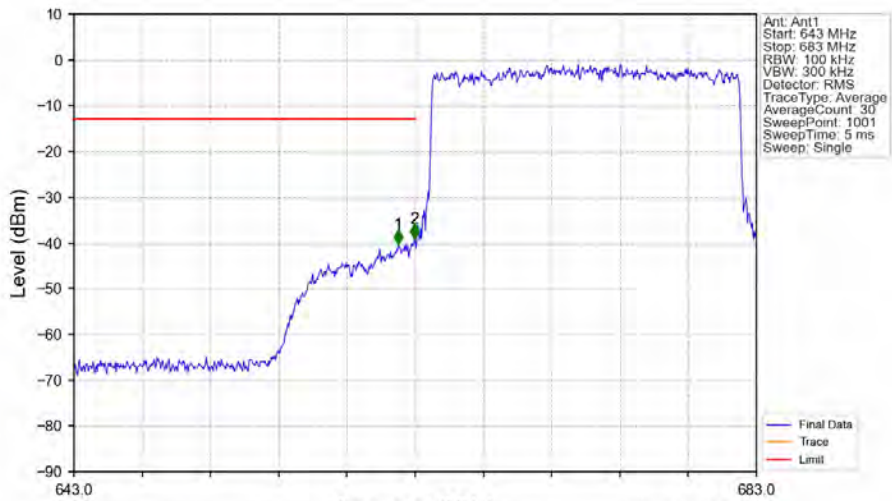


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.945	-47.36	-13	Pass
662	663	0.003	/	2	662.995	-39.96	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

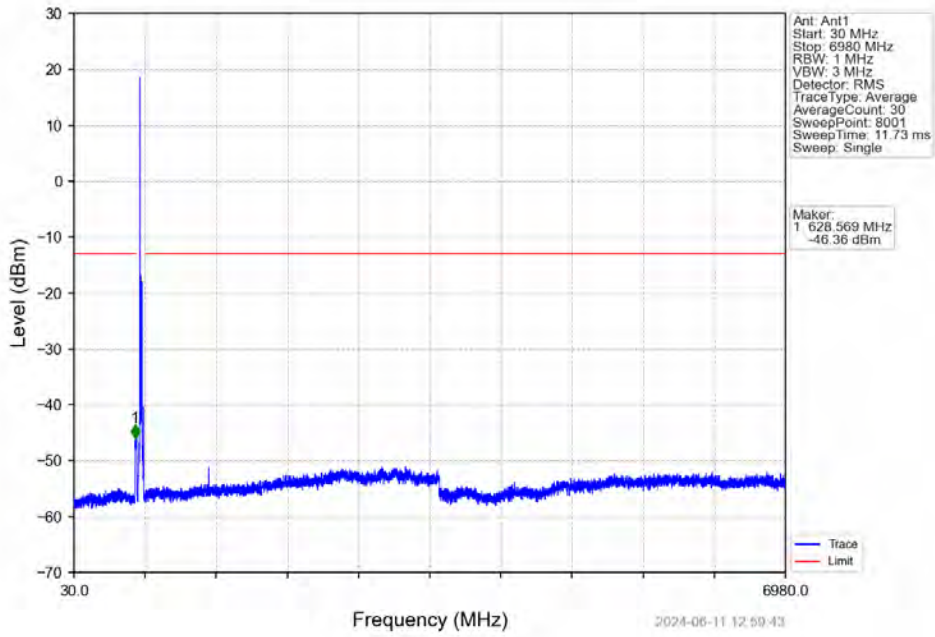


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

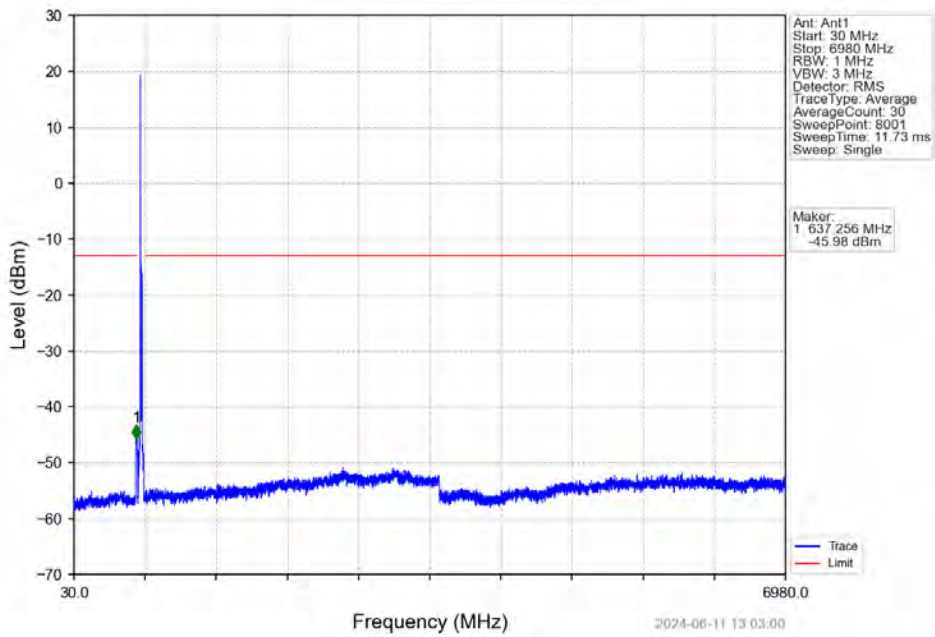


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	662.000	-40.25	-13	Pass
662	663	0.2	/	2	662.960	-39.00	-13	Pass
663	683	0.2	/	/	/	/	/	/

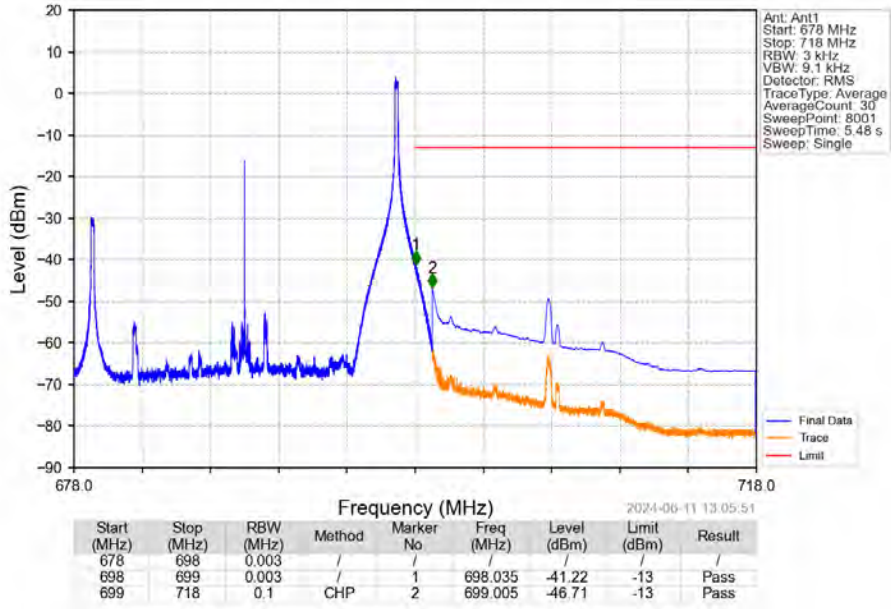
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



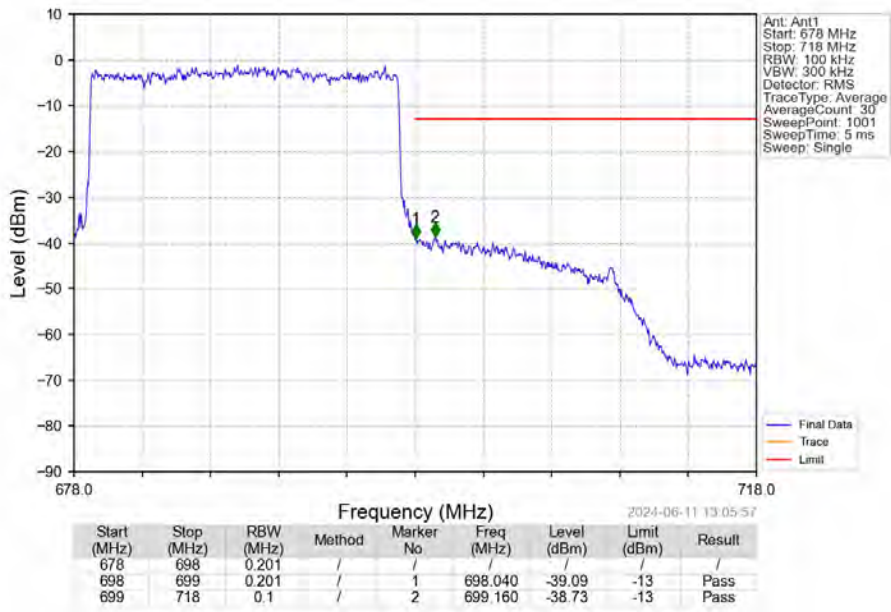
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_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	0.1644	0.0160	ppm	4M58G7D	27N	22.16
71	5	665.5	695.5	0.1358	0.0177	ppm	4M61W7D	27N	21.33
71	10	668	693	0.1667	0.0157	ppm	9M12G7D	27N	22.22
71	10	668	693	0.1352	0.0177	ppm	9M10W7D	27N	21.31
71	15	670.5	690.5	0.1611	0.0155	ppm	13M6G7D	27N	22.07
71	15	670.5	690.5	0.1393	0.0159	ppm	13M7W7D	27N	21.44
71	20	673	688	0.1660	0.0192	ppm	18M2G7D	27N	22.20
71	20	673	688	0.1361	0.0163	ppm	18M2W7D	27N	21.34

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	0.0733	0.0160	ppm	4M58G7D	27N	18.65
71	5	665.5	695.5	0.0605	0.0177	ppm	4M61W7D	27N	17.82
71	10	668	693	0.0743	0.0157	ppm	9M12G7D	27N	18.71
71	10	668	693	0.0603	0.0177	ppm	9M10W7D	27N	17.80
71	15	670.5	690.5	0.0718	0.0155	ppm	13M6G7D	27N	18.56
71	15	670.5	690.5	0.0621	0.0159	ppm	13M7W7D	27N	17.93
71	20	673	688	0.0740	0.0192	ppm	18M2G7D	27N	18.69
71	20	673	688	0.0607	0.0163	ppm	18M2W7D	27N	17.83