

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	665.5	1	0	21.59	-2.13	17.31	<=34.77	Pass		
			13	21.54	-2.13	17.26	<=34.77	Pass		
			24	21.49	-2.13	17.21	<=34.77	Pass		
		12	0	20.71	-2.13	16.43	<=34.77	Pass		
			6	20.64	-2.13	16.36	<=34.77	Pass		
			13	20.59	-2.13	16.31	<=34.77	Pass		
		25	0	20.92	-2.13	16.64	<=34.77	Pass		
		680.5	1	0	22.00	-2.13	17.72	<=34.77	Pass	
				13	21.99	-2.13	17.71	<=34.77	Pass	
	24			21.96	-2.13	17.68	<=34.77	Pass		
	12		0	20.91	-2.13	16.63	<=34.77	Pass		
			6	20.87	-2.13	16.59	<=34.77	Pass		
			13	20.82	-2.13	16.54	<=34.77	Pass		
	25	0	21.08	-2.13	16.80	<=34.77	Pass			
	695.5	1	0	21.94	-2.13	17.66	<=34.77	Pass		
			13	21.96	-2.13	17.68	<=34.77	Pass		
			24	21.90	-2.13	17.62	<=34.77	Pass		
		12	0	20.99	-2.13	16.71	<=34.77	Pass		
			6	20.89	-2.13	16.61	<=34.77	Pass		
			13	20.88	-2.13	16.60	<=34.77	Pass		
		25	0	21.16	-2.13	16.88	<=34.77	Pass		
		16QAM	665.5	1	0	20.70	-2.13	16.42	<=34.77	Pass
					13	20.77	-2.13	16.49	<=34.77	Pass
	24				20.69	-2.13	16.41	<=34.77	Pass	
12	0			20.04	-2.13	15.76	<=34.77	Pass		
	6			20.05	-2.13	15.77	<=34.77	Pass		
	13			20.00	-2.13	15.72	<=34.77	Pass		
25	0			19.93	-2.13	15.65	<=34.77	Pass		
680.5	1			0	20.33	-2.13	16.05	<=34.77	Pass	
				13	20.30	-2.13	16.02	<=34.77	Pass	
			24	20.23	-2.13	15.95	<=34.77	Pass		
	12		0	20.16	-2.13	15.88	<=34.77	Pass		
			6	20.16	-2.13	15.88	<=34.77	Pass		
			13	20.06	-2.13	15.78	<=34.77	Pass		
25	0		20.20	-2.13	15.92	<=34.77	Pass			
695.5	1		0	20.84	-2.13	16.56	<=34.77	Pass		
			13	20.80	-2.13	16.52	<=34.77	Pass		
			24	20.76	-2.13	16.48	<=34.77	Pass		
	12		0	20.22	-2.13	15.94	<=34.77	Pass		
			6	20.12	-2.13	15.84	<=34.77	Pass		
			13	20.10	-2.13	15.82	<=34.77	Pass		
	25		0	20.15	-2.13	15.87	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	668	1	0	21.77	-2.13	17.49	<=34.77	Pass		
			25	21.69	-2.13	17.41	<=34.77	Pass		
			49	21.84	-2.13	17.56	<=34.77	Pass		
		25	0	20.83	-2.13	16.55	<=34.77	Pass		
			13	20.76	-2.13	16.48	<=34.77	Pass		
			25	20.80	-2.13	16.52	<=34.77	Pass		
		50	0	20.93	-2.13	16.65	<=34.77	Pass		
		680.5	1	0	21.81	-2.13	17.53	<=34.77	Pass	
				25	21.91	-2.13	17.63	<=34.77	Pass	
	49			21.99	-2.13	17.71	<=34.77	Pass		
	25		0	21.03	-2.13	16.75	<=34.77	Pass		
			13	20.95	-2.13	16.67	<=34.77	Pass		
			25	20.95	-2.13	16.67	<=34.77	Pass		
	50		0	21.15	-2.13	16.87	<=34.77	Pass		
	693		1	0	22.03	-2.13	17.75	<=34.77	Pass	
				25	22.04	-2.13	17.76	<=34.77	Pass	
		49		22.05	-2.13	17.77	<=34.77	Pass		
		25	0	21.03	-2.13	16.75	<=34.77	Pass		
			13	21.01	-2.13	16.73	<=34.77	Pass		
			25	21.07	-2.13	16.79	<=34.77	Pass		
		50	0	21.18	-2.13	16.90	<=34.77	Pass		
		16QAM	668	1	0	20.88	-2.13	16.60	<=34.77	Pass
					25	20.72	-2.13	16.44	<=34.77	Pass
	49				20.86	-2.13	16.58	<=34.77	Pass	
25	0			20.11	-2.13	15.83	<=34.77	Pass		
	13			20.03	-2.13	15.75	<=34.77	Pass		
	25			20.25	-2.13	15.97	<=34.77	Pass		
50	0			19.98	-2.13	15.70	<=34.77	Pass		
680.5	1			0	21.93	-2.13	17.65	<=34.77	Pass	
				25	21.91	-2.13	17.63	<=34.77	Pass	
			49	21.99	-2.13	17.71	<=34.77	Pass		
	25		0	20.18	-2.13	15.90	<=34.77	Pass		
			13	20.12	-2.13	15.84	<=34.77	Pass		
			25	20.13	-2.13	15.85	<=34.77	Pass		
	50		0	20.12	-2.13	15.84	<=34.77	Pass		
	693		1	0	21.46	-2.13	17.18	<=34.77	Pass	
				25	21.38	-2.13	17.10	<=34.77	Pass	
49				21.38	-2.13	17.10	<=34.77	Pass		
25			0	20.19	-2.13	15.91	<=34.77	Pass		
			13	20.18	-2.13	15.90	<=34.77	Pass		
			25	20.25	-2.13	15.97	<=34.77	Pass		
50			0	20.18	-2.13	15.90	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B71_15MHz_ERP

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	22.05	-2.13	17.77	<=34.77	Pass
			38	22.17	-2.13	17.89	<=34.77	Pass
			74	22.25	-2.13	17.97	<=34.77	Pass
		36	0	20.89	-2.13	16.61	<=34.77	Pass
			18	20.95	-2.13	16.67	<=34.77	Pass
			39	21.18	-2.13	16.90	<=34.77	Pass

16QAM	680.5	75	0	20.94	-2.13	16.66	<=34.77	Pass		
			0	21.98	-2.13	17.70	<=34.77	Pass		
			1	38	22.11	-2.13	17.83	<=34.77	Pass	
			74	22.14	-2.13	17.86	<=34.77	Pass		
		36	0	21.06	-2.13	16.78	<=34.77	Pass		
			18	21.09	-2.13	16.81	<=34.77	Pass		
			39	21.12	-2.13	16.84	<=34.77	Pass		
		75	0	21.12	-2.13	16.84	<=34.77	Pass		
		690.5	1	0	22.02	-2.13	17.74	<=34.77	Pass	
	38			22.12	-2.13	17.84	<=34.77	Pass		
	74			22.15	-2.13	17.87	<=34.77	Pass		
	0			21.13	-2.13	16.85	<=34.77	Pass		
	36		18	21.19	-2.13	16.91	<=34.77	Pass		
			39	21.27	-2.13	16.99	<=34.77	Pass		
			75	0	21.23	-2.13	16.95	<=34.77	Pass	
	16QAM		670.5	1	0	21.20	-2.13	16.92	<=34.77	Pass
					38	21.21	-2.13	16.93	<=34.77	Pass
		74			21.39	-2.13	17.11	<=34.77	Pass	
0		19.89			-2.13	15.61	<=34.77	Pass		
36		18		20.08	-2.13	15.80	<=34.77	Pass		
		39		20.14	-2.13	15.86	<=34.77	Pass		
		75		0	20.06	-2.13	15.78	<=34.77	Pass	
680.5		1		0	21.43	-2.13	17.15	<=34.77	Pass	
				38	21.42	-2.13	17.14	<=34.77	Pass	
			74	21.48	-2.13	17.20	<=34.77	Pass		
			0	20.08	-2.13	15.80	<=34.77	Pass		
		36	18	20.18	-2.13	15.90	<=34.77	Pass		
			39	20.26	-2.13	15.98	<=34.77	Pass		
			75	0	20.18	-2.13	15.90	<=34.77	Pass	
		690.5	1	0	21.55	-2.13	17.27	<=34.77	Pass	
				38	21.65	-2.13	17.37	<=34.77	Pass	
74				21.59	-2.13	17.31	<=34.77	Pass		
0				20.20	-2.13	15.92	<=34.77	Pass		
36	18		20.22	-2.13	15.94	<=34.77	Pass			
	39		20.34	-2.13	16.06	<=34.77	Pass			
	75		0	20.15	-2.13	15.87	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	673	1	0	21.84	-2.13	17.56	<=34.77	Pass	
			50	21.85	-2.13	17.57	<=34.77	Pass	
			99	22.09	-2.13	17.81	<=34.77	Pass	
		50	0	20.91	-2.13	16.63	<=34.77	Pass	
			25	20.92	-2.13	16.64	<=34.77	Pass	
			50	21.13	-2.13	16.85	<=34.77	Pass	
		100	0	20.93	-2.13	16.65	<=34.77	Pass	
		683	1	0	22.05	-2.13	17.77	<=34.77	Pass
				50	22.14	-2.13	17.86	<=34.77	Pass
	99			22.26	-2.13	17.98	<=34.77	Pass	
	50		0	21.15	-2.13	16.87	<=34.77	Pass	
			25	21.13	-2.13	16.85	<=34.77	Pass	
			50	21.17	-2.13	16.89	<=34.77	Pass	
	100	0	21.12	-2.13	16.84	<=34.77	Pass		

16QAM	688	1	0	22.09	-2.13	17.81	<=34.77	Pass	
			50	22.08	-2.13	17.80	<=34.77	Pass	
			99	22.24	-2.13	17.96	<=34.77	Pass	
		50	0	21.17	-2.13	16.89	<=34.77	Pass	
			25	21.16	-2.13	16.88	<=34.77	Pass	
			50	21.25	-2.13	16.97	<=34.77	Pass	
	100	0	21.12	-2.13	16.84	<=34.77	Pass		
	673	1	1	0	20.73	-2.13	16.45	<=34.77	Pass
				50	20.73	-2.13	16.45	<=34.77	Pass
				99	20.92	-2.13	16.64	<=34.77	Pass
			50	0	20.19	-2.13	15.91	<=34.77	Pass
				25	20.09	-2.13	15.81	<=34.77	Pass
				50	20.15	-2.13	15.87	<=34.77	Pass
		100	0	20.05	-2.13	15.77	<=34.77	Pass	
		683	1	0	21.74	-2.13	17.46	<=34.77	Pass
50				21.75	-2.13	17.47	<=34.77	Pass	
99				21.94	-2.13	17.66	<=34.77	Pass	
50			0	20.19	-2.13	15.91	<=34.77	Pass	
			25	20.11	-2.13	15.83	<=34.77	Pass	
			50	20.28	-2.13	16.00	<=34.77	Pass	
100		0	20.15	-2.13	15.87	<=34.77	Pass		
688		1	1	0	21.45	-2.13	17.17	<=34.77	Pass
				50	21.43	-2.13	17.15	<=34.77	Pass
				99	21.53	-2.13	17.25	<=34.77	Pass
			50	0	20.30	-2.13	16.02	<=34.77	Pass
	25			20.28	-2.13	16.00	<=34.77	Pass	
	50			20.28	-2.13	16.00	<=34.77	Pass	
	100	0	20.15	-2.13	15.87	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	665.5	25	0	20	3.27	0.787	0.0012	-2.5 to 2.5	Pass				
					3.85	1.674	0.0025	-2.5 to 2.5	Pass				
					4.43	0.744	0.0011	-2.5 to 2.5	Pass				
				-30	3.85	0.429	0.0006	-2.5 to 2.5	Pass				
					-20	3.85	0.043	0.0001	-2.5 to 2.5	Pass			
					-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass			
				0	0	3.85	0.229	0.0003	-2.5 to 2.5	Pass			
					10	3.85	0.114	0.0002	-2.5 to 2.5	Pass			
					30	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass			
				680.5	25	0	20	3.85	-0.300	-0.0005	-2.5 to 2.5	Pass	
								40	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
								50	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
	-30	3.27	0.157				0.0002	-2.5 to 2.5	Pass				
		3.85	-0.057				-0.0001	-2.5 to 2.5	Pass				
		4.43	-0.129				-0.0002	-2.5 to 2.5	Pass				
	-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass							
		3.85	0.415	0.0006	-2.5 to 2.5	Pass							
		-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass						

				0	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass				
				10	3.85	0.114	0.0002	-2.5 to 2.5	Pass				
				30	3.85	-0.315	-0.0005	-2.5 to 2.5	Pass				
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass				
				50	3.85	-0.029	0.0000	-2.5 to 2.5	Pass				
	695.5	25	0	20	3.27	-0.844	-0.0012	-2.5 to 2.5	Pass				
					3.85	-0.286	-0.0004	-2.5 to 2.5	Pass				
					4.43	-0.458	-0.0007	-2.5 to 2.5	Pass				
				-30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass				
				-20	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass				
				-10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass				
				0	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass				
				10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass				
				30	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass				
				40	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass				
				50	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass				
				16QAM	665.5	25	0	20	3.27	-0.501	-0.0008	-2.5 to 2.5	Pass
									3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
									4.43	-0.772	-0.0012	-2.5 to 2.5	Pass
								-30	3.85	-1.187	-0.0018	-2.5 to 2.5	Pass
-20	3.85	-0.858	-0.0013					-2.5 to 2.5	Pass				
-10	3.85	-1.173	-0.0018					-2.5 to 2.5	Pass				
0	3.85	-1.030	-0.0015					-2.5 to 2.5	Pass				
10	3.85	-1.273	-0.0019					-2.5 to 2.5	Pass				
30	3.85	-0.901	-0.0014					-2.5 to 2.5	Pass				
40	3.85	-0.601	-0.0009					-2.5 to 2.5	Pass				
50	3.85	-0.701	-0.0011		-2.5 to 2.5	Pass							
680.5	25	0	20		3.27	0.200	0.0003	-2.5 to 2.5	Pass				
					3.85	0.944	0.0014	-2.5 to 2.5	Pass				
					4.43	0.343	0.0005	-2.5 to 2.5	Pass				
			-30		3.85	0.486	0.0007	-2.5 to 2.5	Pass				
			-20	3.85	0.329	0.0005	-2.5 to 2.5	Pass					
695.5	25	0	20	3.27	-0.801	-0.0012	-2.5 to 2.5	Pass					
				3.85	-1.130	-0.0016	-2.5 to 2.5	Pass					
				4.43	-1.173	-0.0017	-2.5 to 2.5	Pass					
			-30	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass					
			-20	3.85	-1.431	-0.0021	-2.5 to 2.5	Pass					
			-10	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass					
			0	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass					
			10	3.85	-1.087	-0.0016	-2.5 to 2.5	Pass					
			30	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass					
			40	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass					
50	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass								

2.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.27	-0.930	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.230	-0.0018	-2.5 to 2.5	Pass

16QAM	680.5	50	0		4.43	-0.787	-0.0012	-2.5 to 2.5	Pass	
				-30	3.85	-1.459	-0.0022	-2.5 to 2.5	Pass	
				-20	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass	
				-10	3.85	-0.844	-0.0013	-2.5 to 2.5	Pass	
				0	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass	
				10	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass	
				30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass	
				40	3.85	-1.345	-0.0020	-2.5 to 2.5	Pass	
	50	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass				
	693	50	0	20	3.27	-1.001	-0.0015	-2.5 to 2.5	Pass	
					3.85	-0.644	-0.0009	-2.5 to 2.5	Pass	
					4.43	-0.758	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass	
					-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					-10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass	
					10	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
	30	3.85	-0.186		-0.0003	-2.5 to 2.5	Pass			
	40	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass				
		50	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass			
		693	50	0	20	3.27	-1.230	-0.0018	-2.5 to 2.5	Pass
	3.85					-1.402	-0.0020	-2.5 to 2.5	Pass	
	4.43					-1.502	-0.0022	-2.5 to 2.5	Pass	
	-30				3.85	-1.230	-0.0018	-2.5 to 2.5	Pass	
					-20	3.85	-0.944	-0.0014	-2.5 to 2.5	Pass
					-10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
	0				3.85	-1.702	-0.0025	-2.5 to 2.5	Pass	
					10	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
30		3.85	-2.418	-0.0035	-2.5 to 2.5	Pass				
40	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass					
	50	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass				
	668	50	0	20	3.27	-1.059	-0.0016	-2.5 to 2.5	Pass	
3.85					-1.302	-0.0019	-2.5 to 2.5	Pass		
4.43					-1.416	-0.0021	-2.5 to 2.5	Pass		
-30				3.85	-0.772	-0.0012	-2.5 to 2.5	Pass		
				-20	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass	
				-10	3.85	-1.216	-0.0018	-2.5 to 2.5	Pass	
0				3.85	-0.844	-0.0013	-2.5 to 2.5	Pass		
				10	3.85	-0.372	-0.0006	-2.5 to 2.5	Pass	
	30	3.85	-1.130	-0.0017	-2.5 to 2.5	Pass				
40	3.85	-1.087	-0.0016	-2.5 to 2.5	Pass					
	50	3.85	-0.944	-0.0014	-2.5 to 2.5	Pass				
	680.5	50	0	20	3.27	0.772	0.0011	-2.5 to 2.5	Pass	
3.85					0.658	0.0010	-2.5 to 2.5	Pass		
4.43					0.358	0.0005	-2.5 to 2.5	Pass		
-30				3.85	0.172	0.0003	-2.5 to 2.5	Pass		
				-20	3.85	0.544	0.0008	-2.5 to 2.5	Pass	
				-10	3.85	0.572	0.0008	-2.5 to 2.5	Pass	
0				3.85	0.629	0.0009	-2.5 to 2.5	Pass		
				10	3.85	0.501	0.0007	-2.5 to 2.5	Pass	
	30	3.85	0.358	0.0005	-2.5 to 2.5	Pass				
40	3.85	0.529	0.0008	-2.5 to 2.5	Pass					
	50	3.85	0.343	0.0005	-2.5 to 2.5	Pass				
	693	50	0	20	3.27	-1.302	-0.0019	-2.5 to 2.5	Pass	
3.85					-1.373	-0.0020	-2.5 to 2.5	Pass		
4.43					-0.958	-0.0014	-2.5 to 2.5	Pass		
-30				3.85	-1.259	-0.0018	-2.5 to 2.5	Pass		
-20				3.85	-1.101	-0.0016	-2.5 to 2.5	Pass		
-10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass					

				0	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass

2.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	670.5	75	0	20	3.27	-0.186	-0.0003	-2.5 to 2.5	Pass			
					3.85	0.186	0.0003	-2.5 to 2.5	Pass			
					4.43	-0.286	-0.0004	-2.5 to 2.5	Pass			
				-30	3.85	0.029	0.0000	-2.5 to 2.5	Pass			
				-20	3.85	0.358	0.0005	-2.5 to 2.5	Pass			
				-10	3.85	0.758	0.0011	-2.5 to 2.5	Pass			
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass			
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass			
				30	3.85	0.129	0.0002	-2.5 to 2.5	Pass			
				40	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass			
				50	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass			
				680.5	75	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
								3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
								4.43	-0.172	-0.0003	-2.5 to 2.5	Pass
							-30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
	-20	3.85	-0.057				-0.0001	-2.5 to 2.5	Pass			
	-10	3.85	-0.114				-0.0002	-2.5 to 2.5	Pass			
	0	3.85	0.229				0.0003	-2.5 to 2.5	Pass			
	10	3.85	0.186				0.0003	-2.5 to 2.5	Pass			
	30	3.85	-0.329				-0.0005	-2.5 to 2.5	Pass			
	690.5	75	0	20	3.27	-1.645	-0.0024	-2.5 to 2.5	Pass			
					3.85	-1.545	-0.0022	-2.5 to 2.5	Pass			
					4.43	-1.159	-0.0017	-2.5 to 2.5	Pass			
				-30	3.85	-1.588	-0.0023	-2.5 to 2.5	Pass			
				-20	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass			
				-10	3.85	-1.287	-0.0019	-2.5 to 2.5	Pass			
				0	3.85	-1.788	-0.0026	-2.5 to 2.5	Pass			
				10	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass			
				30	3.85	-1.574	-0.0023	-2.5 to 2.5	Pass			
				40	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass			
50				3.85	-0.944	-0.0014	-2.5 to 2.5	Pass				
16QAM				670.5	75	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
	3.85	-0.243	-0.0004					-2.5 to 2.5	Pass			
	4.43	-0.401	-0.0006					-2.5 to 2.5	Pass			
	-30	3.85	0.157				0.0002	-2.5 to 2.5	Pass			
	-20	3.85	-0.515				-0.0008	-2.5 to 2.5	Pass			
	-10	3.85	-0.186				-0.0003	-2.5 to 2.5	Pass			
	0	3.85	-0.100				-0.0001	-2.5 to 2.5	Pass			
	10	3.85	-0.014				0.0000	-2.5 to 2.5	Pass			
	30	3.85	0.229				0.0003	-2.5 to 2.5	Pass			
	40	3.85	0.057				0.0001	-2.5 to 2.5	Pass			
	50	3.85	-0.014				0.0000	-2.5 to 2.5	Pass			
	680.5	75	0				20	3.27	0.458	0.0007	-2.5 to 2.5	Pass
								3.85	0.086	0.0001	-2.5 to 2.5	Pass

					4.43	0.157	0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass	
				-20	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass	
				-10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass	
				0	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass	
				10	3.85	0.200	0.0003	-2.5 to 2.5	Pass	
				30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass	
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass	
	50	3.85	0.443	0.0007	-2.5 to 2.5	Pass				
	690.5	75	0	20		3.27	-0.501	-0.0007	-2.5 to 2.5	Pass
						3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
						4.43	-1.330	-0.0019	-2.5 to 2.5	Pass
					-30	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
					-20	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
					-10	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass	
	10	3.85	-1.516	-0.0022	-2.5 to 2.5	Pass				
	30	3.85	-0.944	-0.0014	-2.5 to 2.5	Pass				
	40	3.85	-0.873	-0.0013	-2.5 to 2.5	Pass				
	50	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass				

2.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	673	100	0	20		3.27	-0.730	-0.0011	-2.5 to 2.5	Pass	
						3.85	-0.458	-0.0007	-2.5 to 2.5	Pass	
						4.43	-0.858	-0.0013	-2.5 to 2.5	Pass	
					-30	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass	
					-20	3.85	-0.658	-0.0010	-2.5 to 2.5	Pass	
					-10	3.85	-0.515	-0.0008	-2.5 to 2.5	Pass	
					0	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass	
					10	3.85	-0.801	-0.0012	-2.5 to 2.5	Pass	
					30	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass	
					40	3.85	-0.243	-0.0004	-2.5 to 2.5	Pass	
		50	3.85	0.114	0.0002	-2.5 to 2.5	Pass				
		683	100	0	20		3.27	-0.014	0.0000	-2.5 to 2.5	Pass
						3.85	-0.157	-0.0002	-2.5 to 2.5	Pass	
						4.43	-0.372	-0.0005	-2.5 to 2.5	Pass	
					-30	3.85	-0.172	-0.0003	-2.5 to 2.5	Pass	
					-20	3.85	-0.587	-0.0009	-2.5 to 2.5	Pass	
					-10	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass	
					0	3.85	-0.730	-0.0011	-2.5 to 2.5	Pass	
		10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass				
		30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass				
		40	3.85	-0.787	-0.0012	-2.5 to 2.5	Pass				
		50	3.85	-0.930	-0.0014	-2.5 to 2.5	Pass				
		688	100	0	20		3.27	-0.486	-0.0007	-2.5 to 2.5	Pass
						3.85	-0.558	-0.0008	-2.5 to 2.5	Pass	
						4.43	-0.386	-0.0006	-2.5 to 2.5	Pass	
					-30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass	
					-20	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass	
	-10				3.85	-0.758	-0.0011	-2.5 to 2.5	Pass		
	0	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass					
	10	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass					
	30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass					

16QAM	673	100	0	40	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass			
				50	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass			
				20	3.27	-0.057	-0.0001	-2.5 to 2.5	Pass			
					3.85	-0.043	-0.0001	-2.5 to 2.5	Pass			
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass			
				-30	3.85	0.315	0.0005	-2.5 to 2.5	Pass			
				-20	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass			
				-10	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass			
				0	3.85	-0.987	-0.0015	-2.5 to 2.5	Pass			
				10	3.85	-0.587	-0.0009	-2.5 to 2.5	Pass			
				30	3.85	-0.844	-0.0013	-2.5 to 2.5	Pass			
				40	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass			
				50	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass			
				683	100	0	20	3.27	-0.572	-0.0008	-2.5 to 2.5	Pass
								3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
	4.43	-1.173	-0.0017					-2.5 to 2.5	Pass			
	-30	3.85	-1.059				-0.0016	-2.5 to 2.5	Pass			
	-20	3.85	-0.629				-0.0009	-2.5 to 2.5	Pass			
	-10	3.85	-0.629				-0.0009	-2.5 to 2.5	Pass			
	0	3.85	-0.744				-0.0011	-2.5 to 2.5	Pass			
	10	3.85	-0.629				-0.0009	-2.5 to 2.5	Pass			
	30	3.85	-0.644				-0.0009	-2.5 to 2.5	Pass			
	40	3.85	-0.501				-0.0007	-2.5 to 2.5	Pass			
	50	3.85	-0.243				-0.0004	-2.5 to 2.5	Pass			
	688	100	0				20	3.27	-0.343	-0.0005	-2.5 to 2.5	Pass
								3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
								4.43	-0.300	-0.0004	-2.5 to 2.5	Pass
							-30	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass			
				-10	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass			
0				3.85	-0.443	-0.0006	-2.5 to 2.5	Pass				
10				3.85	-0.443	-0.0006	-2.5 to 2.5	Pass				
30				3.85	-0.129	-0.0002	-2.5 to 2.5	Pass				
40				3.85	-0.501	-0.0007	-2.5 to 2.5	Pass				
50				3.85	-0.143	-0.0002	-2.5 to 2.5	Pass				

3. Modulation Characteristics

3.1 Test Result

3.1.1 B71_5MHz

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

3.1.2 B71_10MHz

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

3.1.3 B71_15MHz

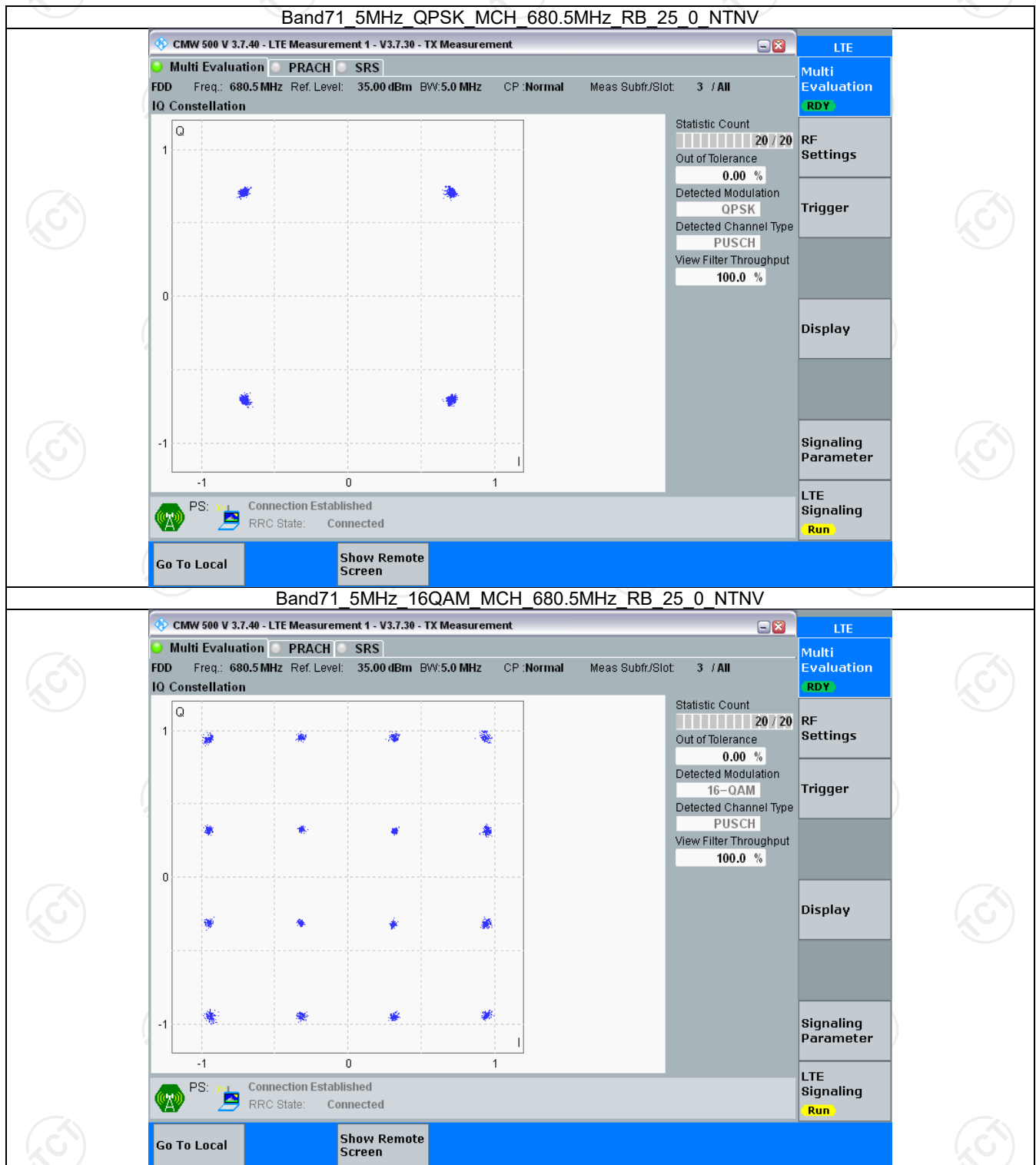
Band: 71 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.1.4 B71_20MHz

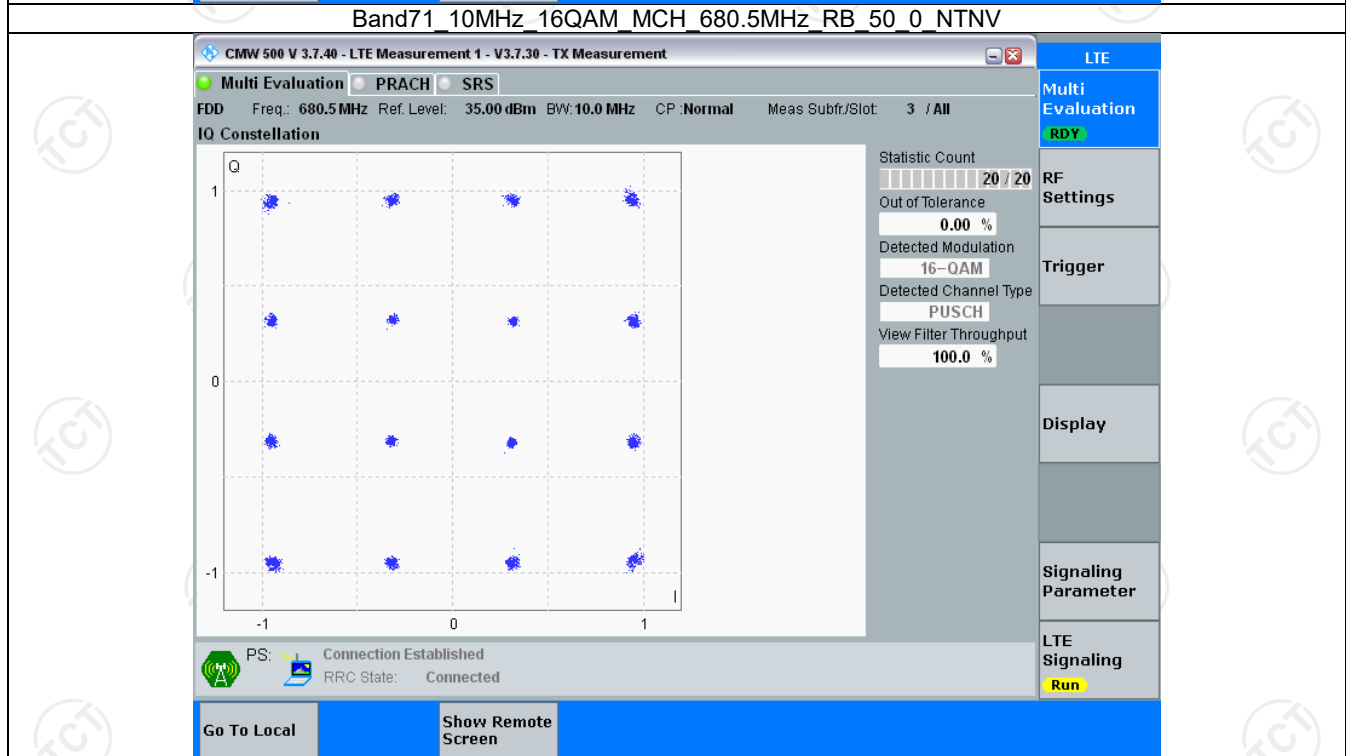
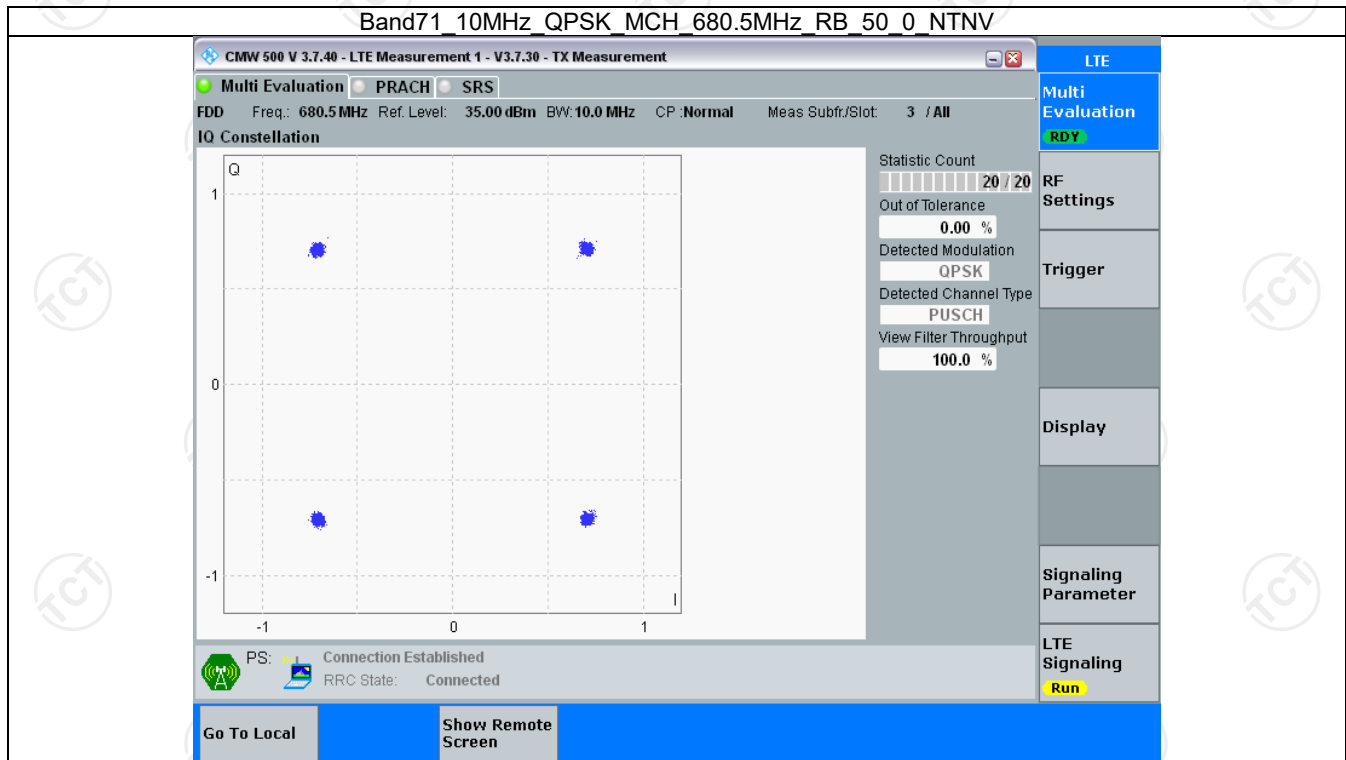
Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.2 Test Graph

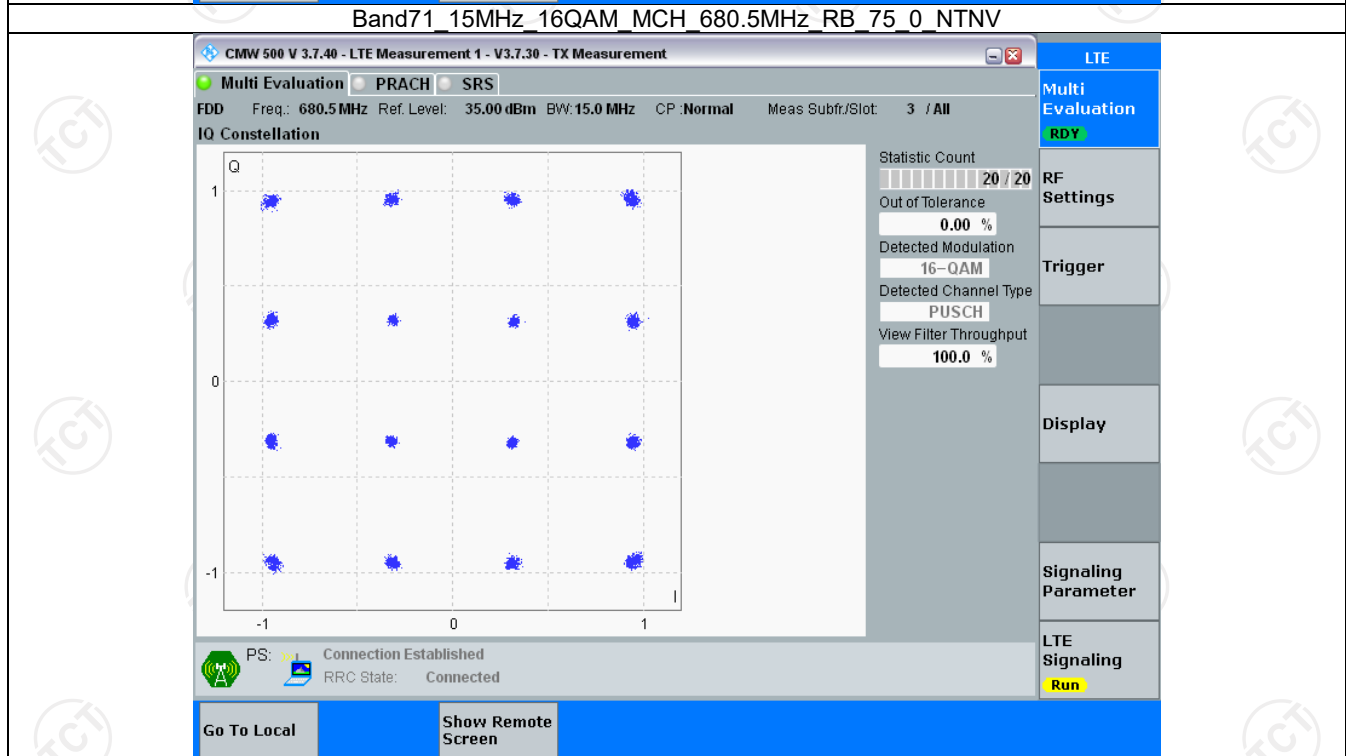
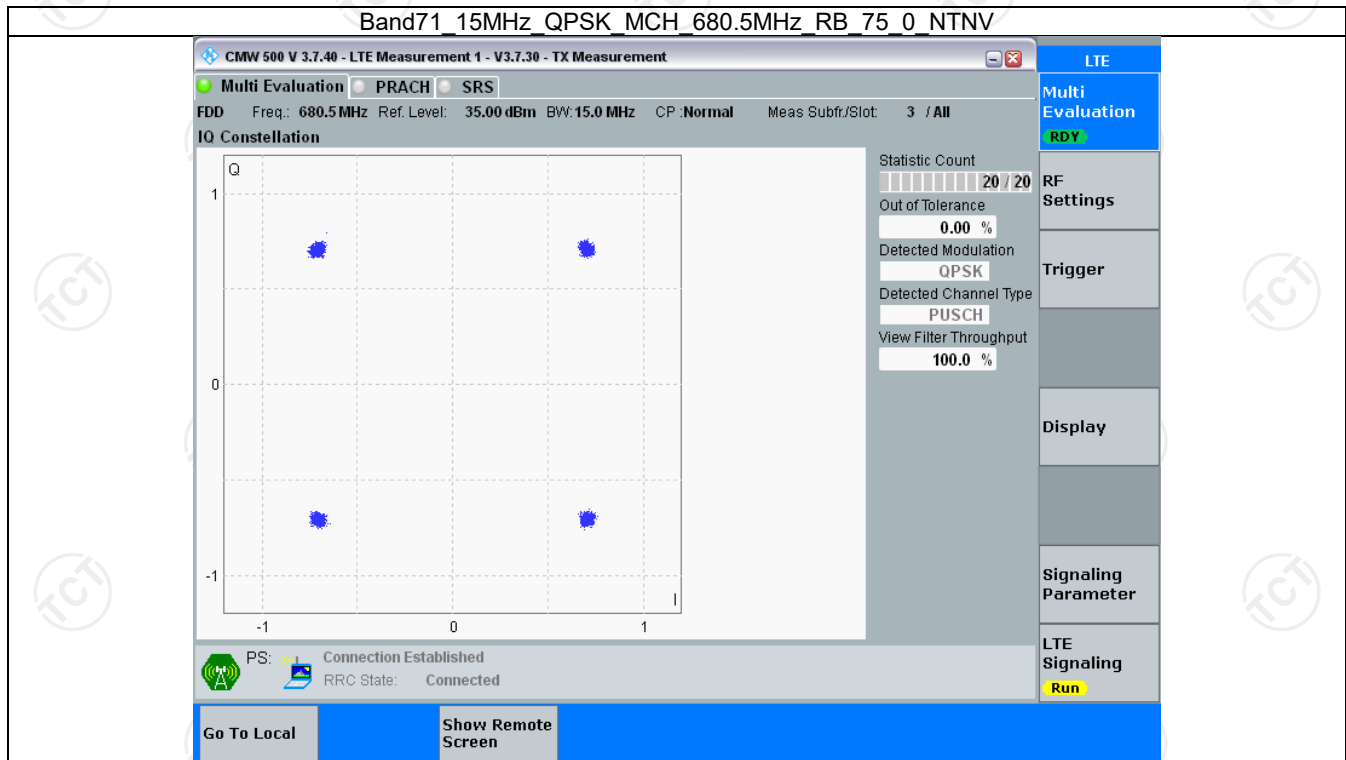
3.2.1 B71_5MHz



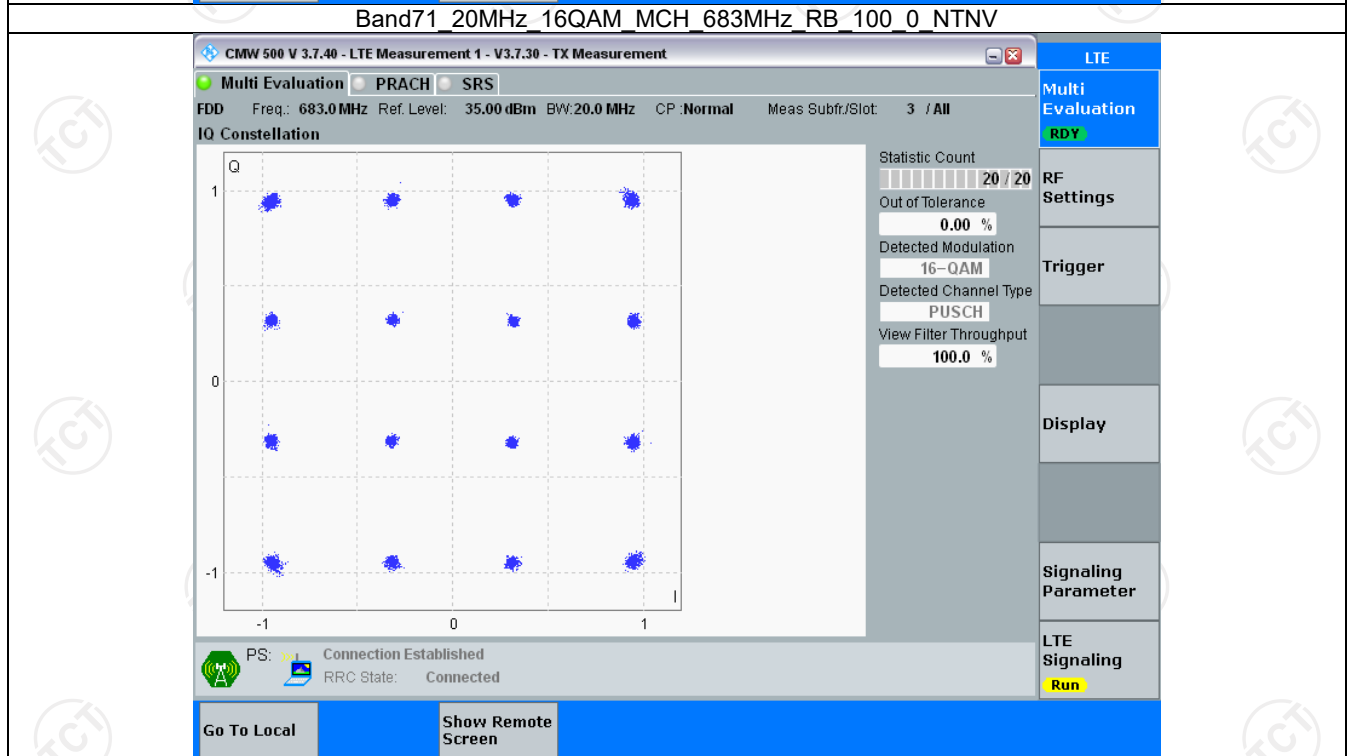
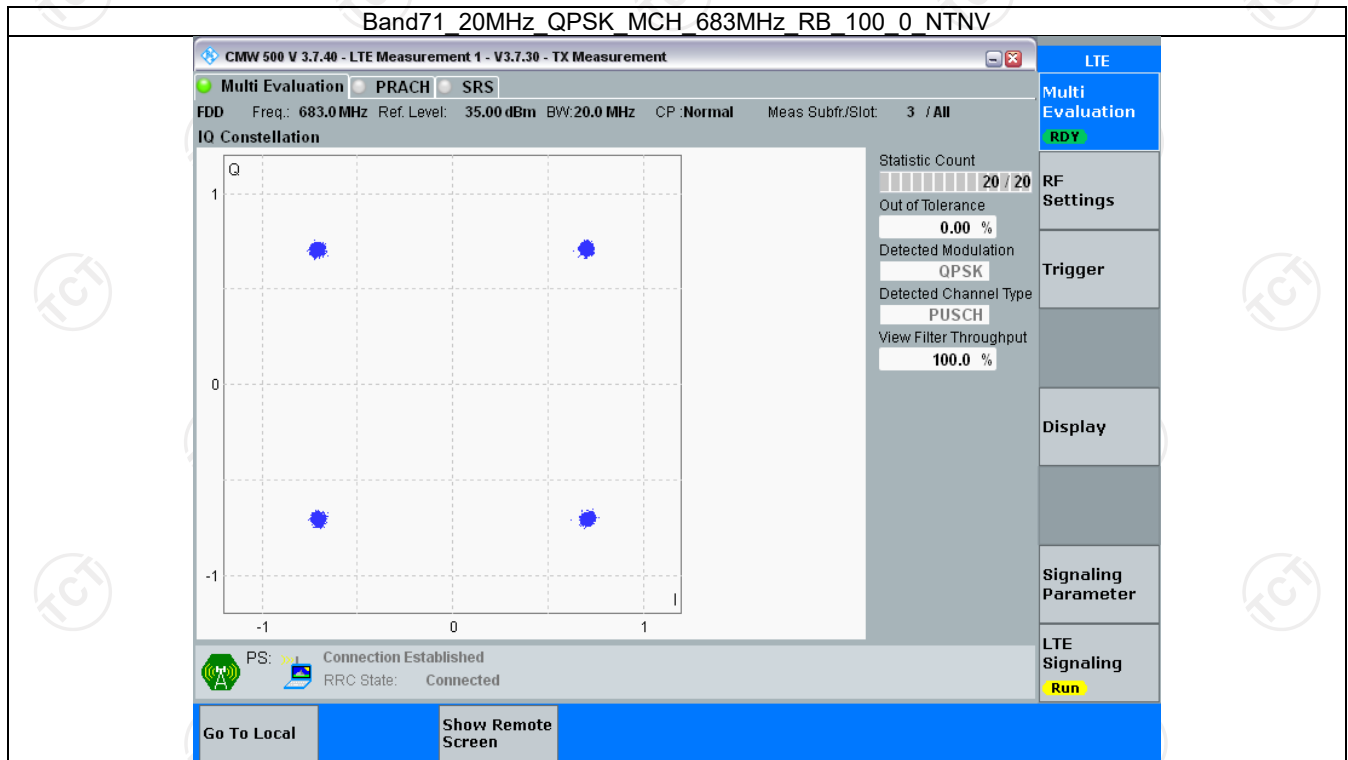
3.2.2 B71_10MHz



3.2.3 B71_15MHz



3.2.4 B71_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band71_OBW

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.532	/	Pass
		680.5	25	0	4.564	/	Pass
		695.5	25	0	4.557	/	Pass
	16QAM	665.5	25	0	4.551	/	Pass
		680.5	25	0	4.544	/	Pass
		695.5	25	0	4.563	/	Pass
10	QPSK	668	50	0	9.093	/	Pass
		680.5	50	0	9.073	/	Pass
		693	50	0	9.036	/	Pass
	16QAM	668	50	0	9.088	/	Pass
		680.5	50	0	9.078	/	Pass
		693	50	0	9.091	/	Pass
15	QPSK	670.5	75	0	13.536	/	Pass
		680.5	75	0	13.546	/	Pass
		690.5	75	0	13.541	/	Pass
	16QAM	670.5	75	0	13.558	/	Pass
		680.5	75	0	13.630	/	Pass
		690.5	75	0	13.514	/	Pass
20	QPSK	673	100	0	18.076	/	Pass
		683	100	0	18.072	/	Pass
		688	100	0	18.053	/	Pass
	16QAM	673	100	0	18.059	/	Pass
		683	100	0	18.090	/	Pass
		688	100	0	18.079	/	Pass

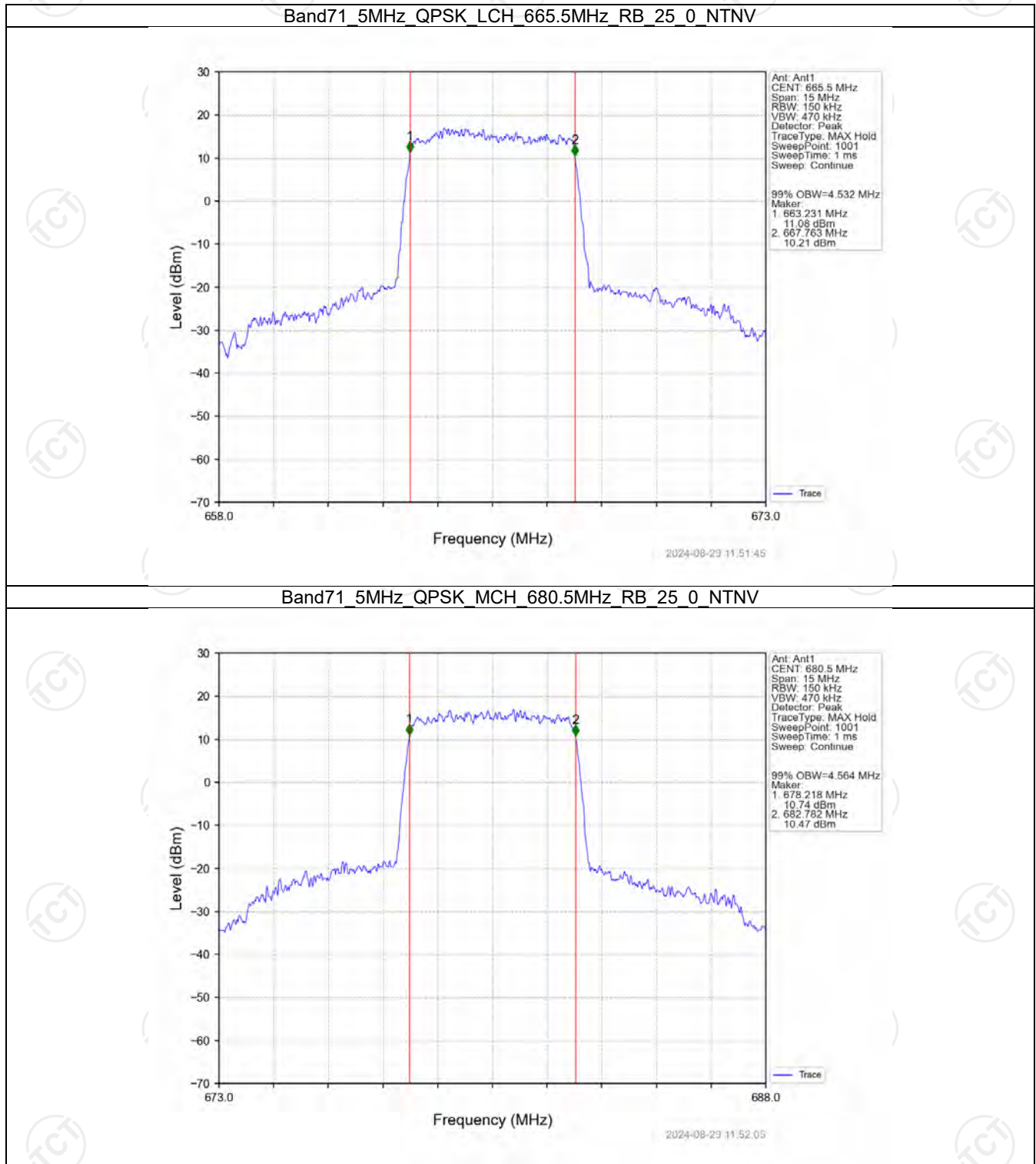
4.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.031	/	Pass
		680.5	25	0	5.059	/	Pass
		695.5	25	0	5.054	/	Pass
	16QAM	665.5	25	0	5.049	/	Pass
		680.5	25	0	5.041	/	Pass
		695.5	25	0	5.070	/	Pass
10	QPSK	668	50	0	10.155	/	Pass
		680.5	50	0	10.063	/	Pass
		693	50	0	10.049	/	Pass
	16QAM	668	50	0	10.113	/	Pass
		680.5	50	0	10.113	/	Pass
		693	50	0	10.112	/	Pass
15	QPSK	670.5	75	0	15.153	/	Pass
		680.5	75	0	15.165	/	Pass
		690.5	75	0	15.245	/	Pass

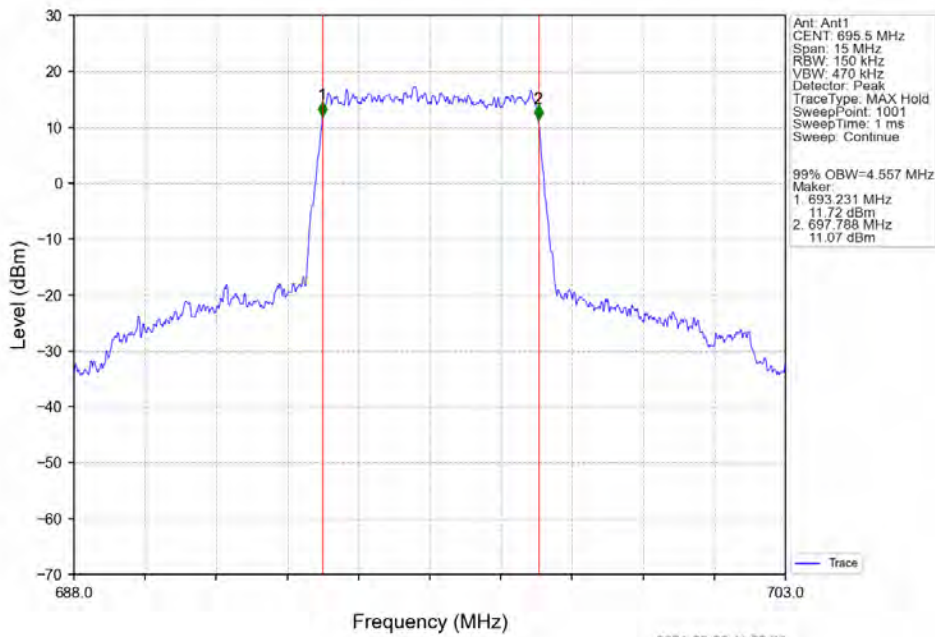
20	16QAM	670.5	75	0	15.334	/	Pass
		680.5	75	0	15.292	/	Pass
		690.5	75	0	15.131	/	Pass
	QPSK	673	100	0	20.056	/	Pass
		683	100	0	20.048	/	Pass
		688	100	0	20.007	/	Pass
	16QAM	673	100	0	19.843	/	Pass
		683	100	0	20.163	/	Pass
		688	100	0	20.152	/	Pass

4.2 Test Graph

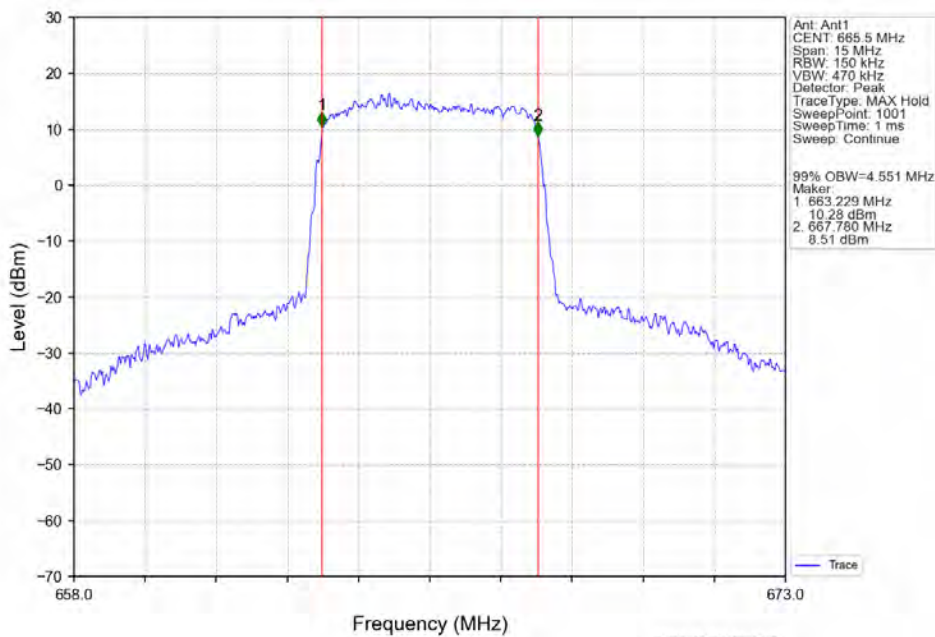
4.2.1 Band71_OBW



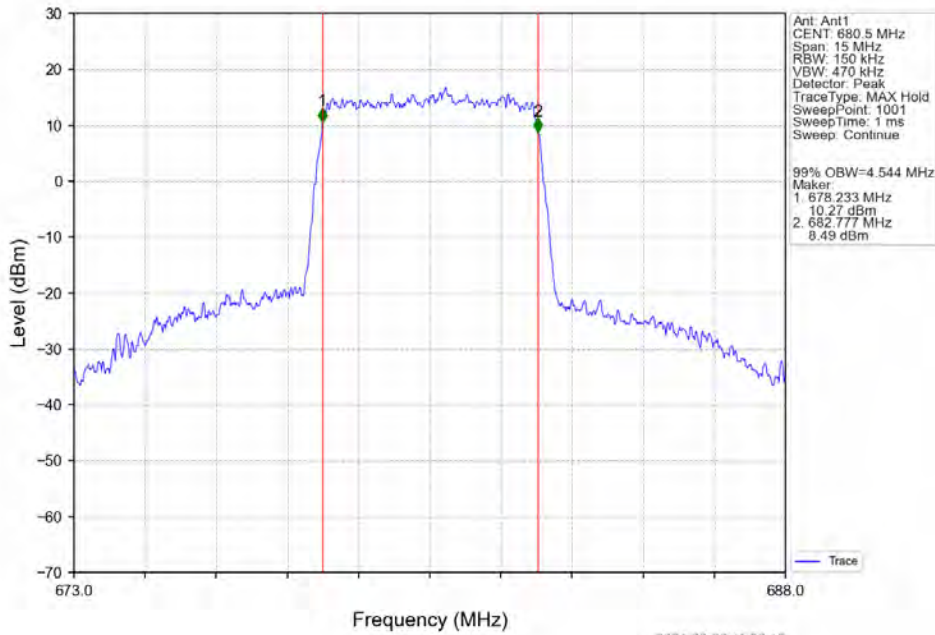
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



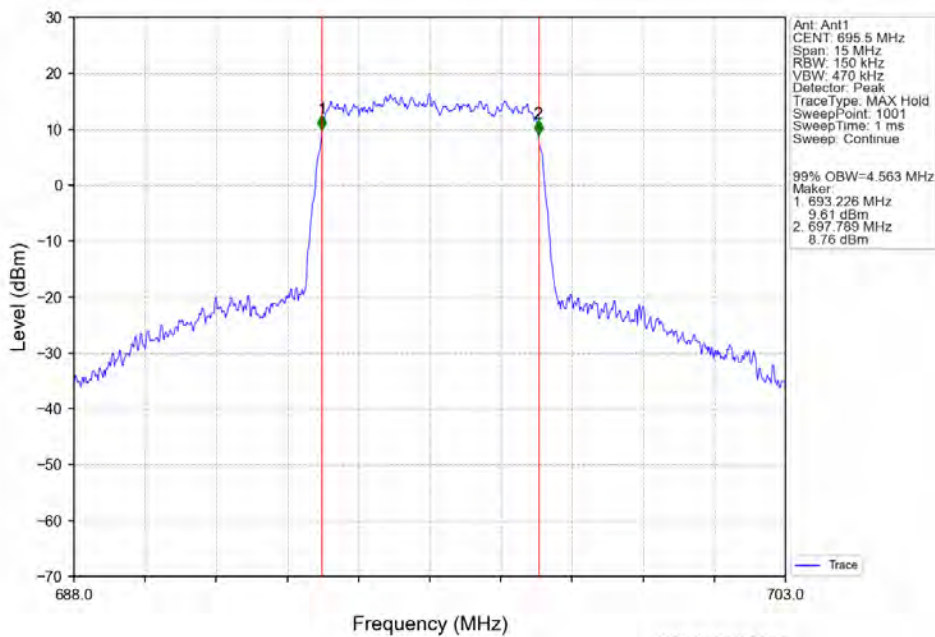
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



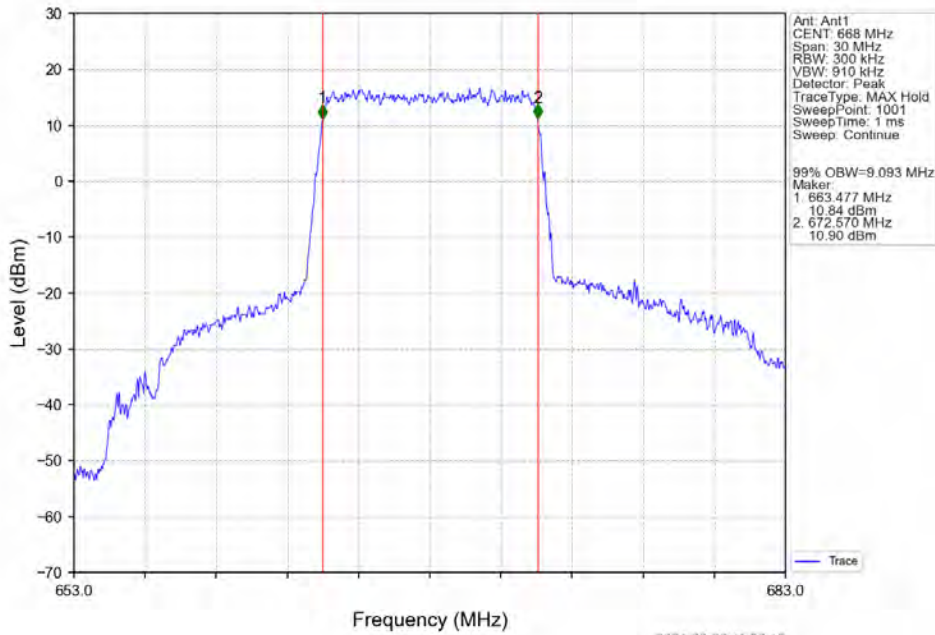
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTV



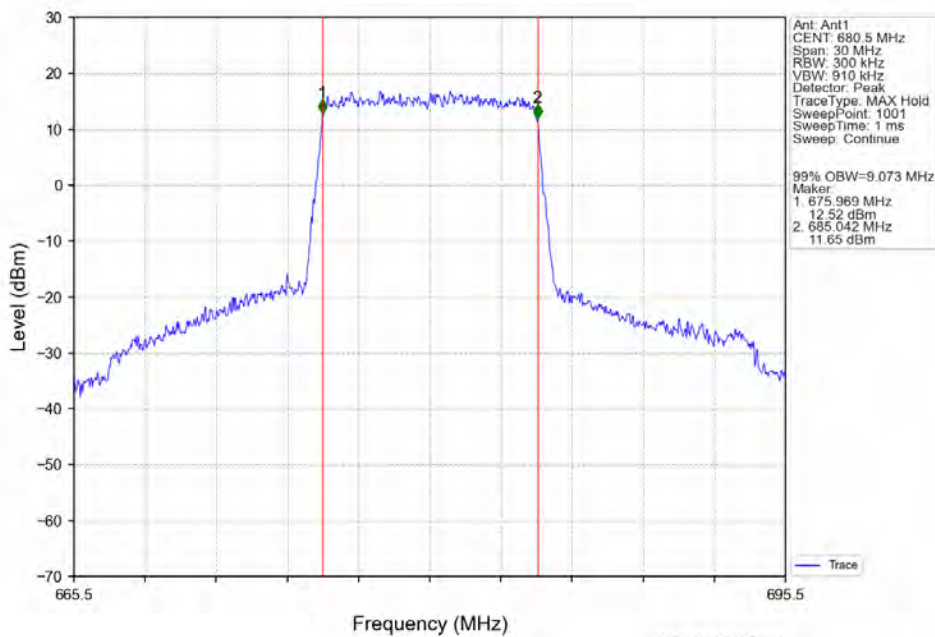
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTV



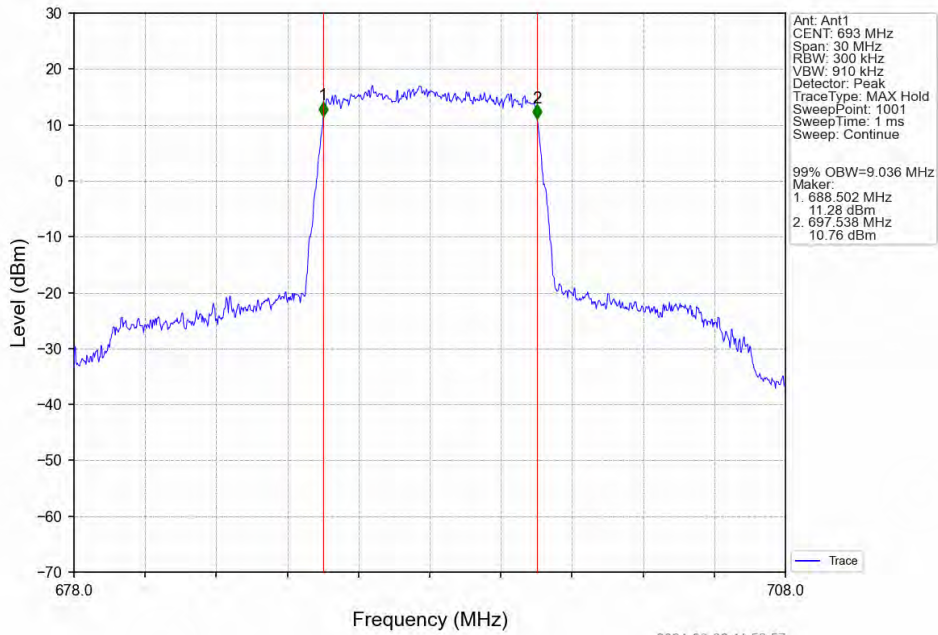
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTV



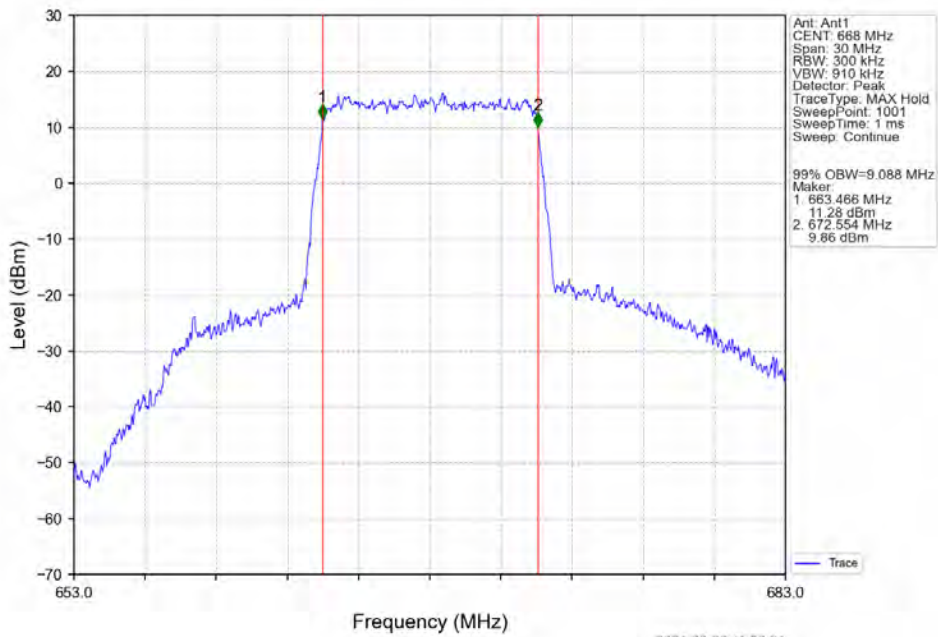
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV



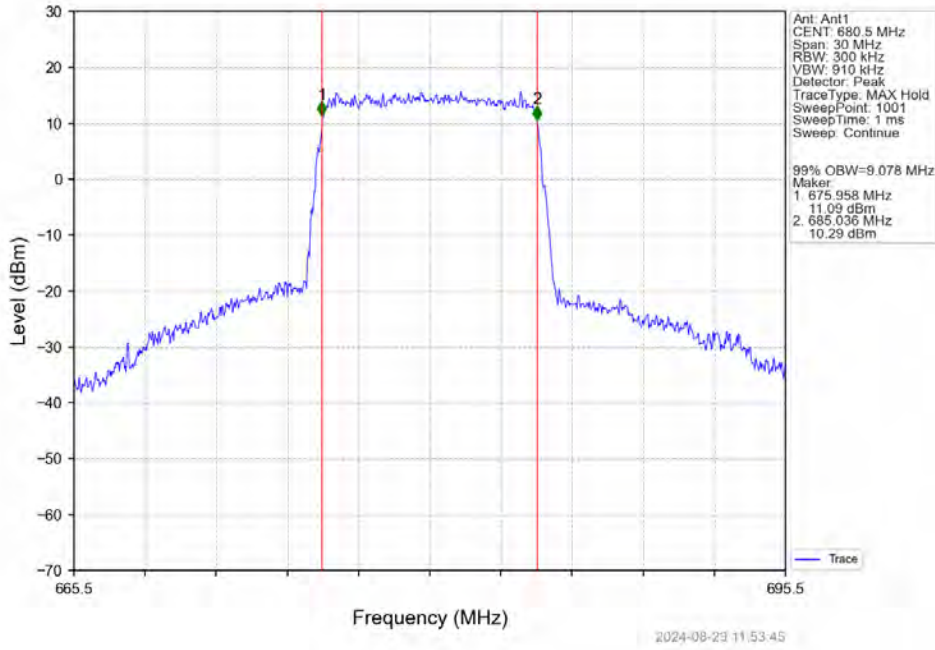
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



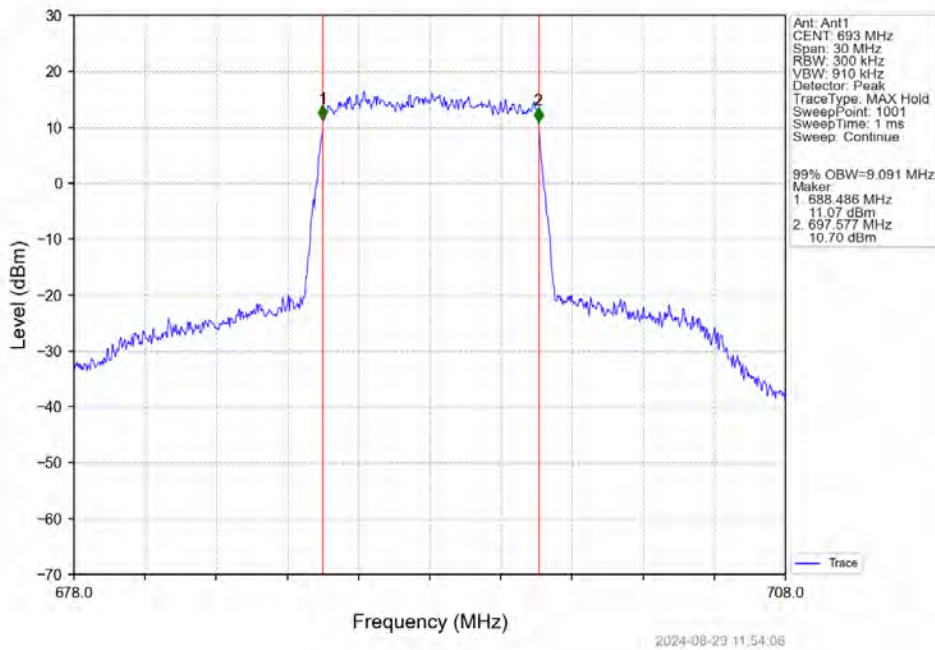
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



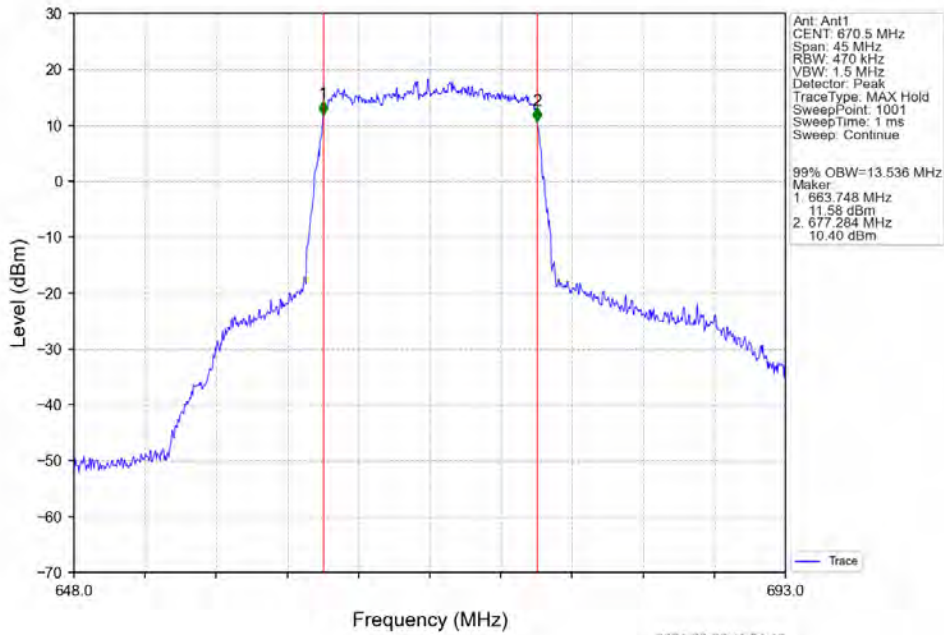
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



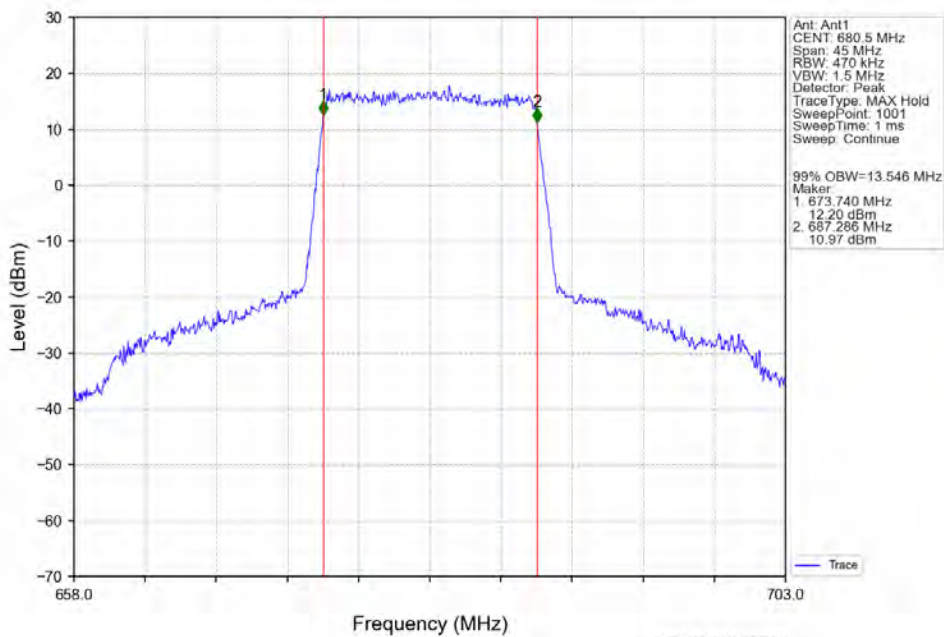
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



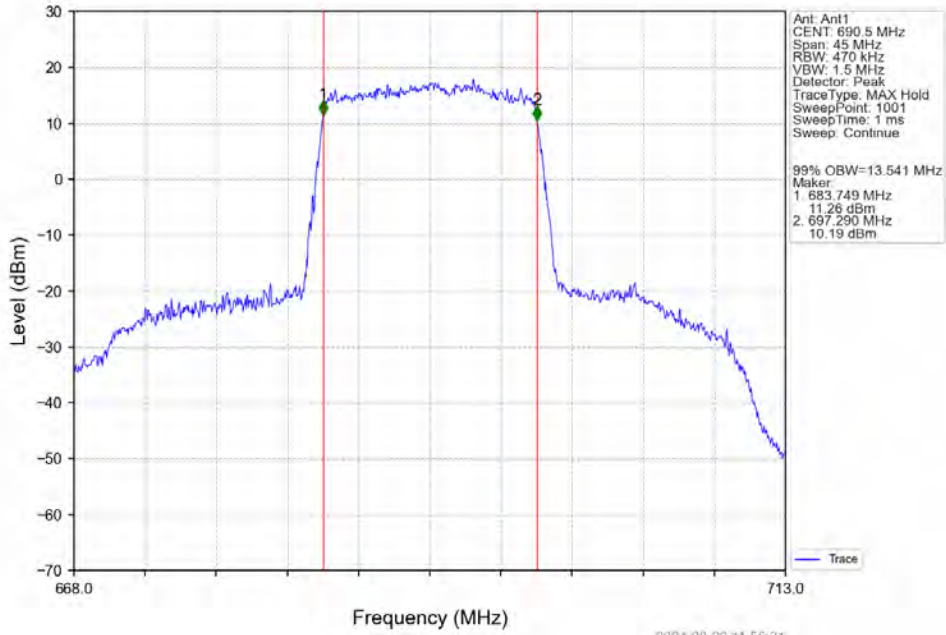
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



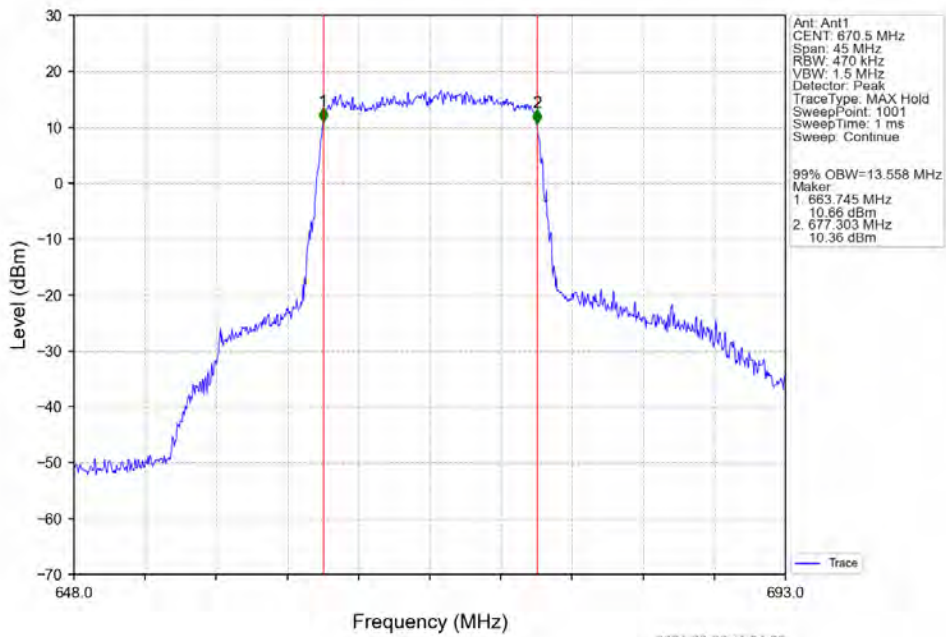
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



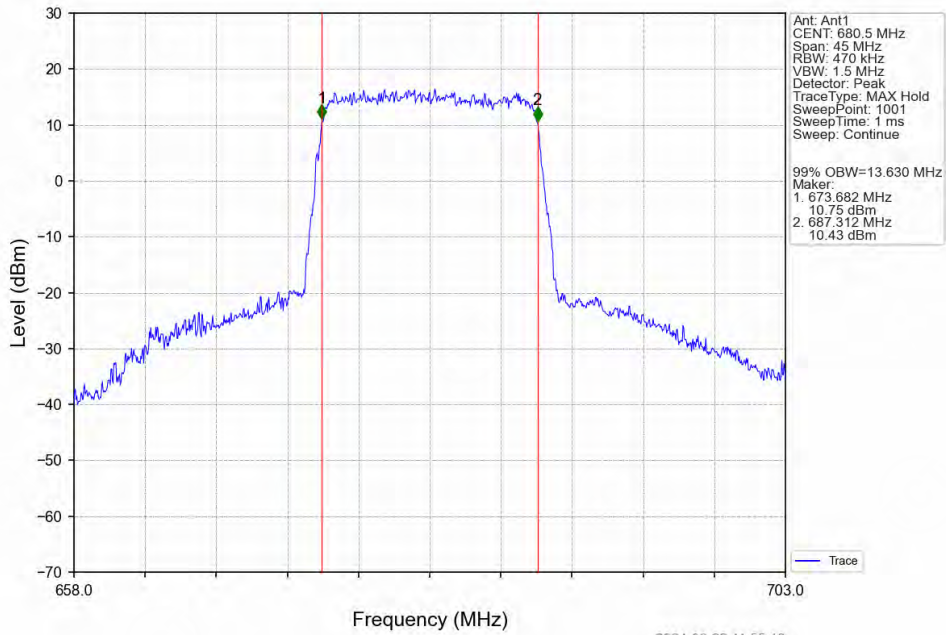
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



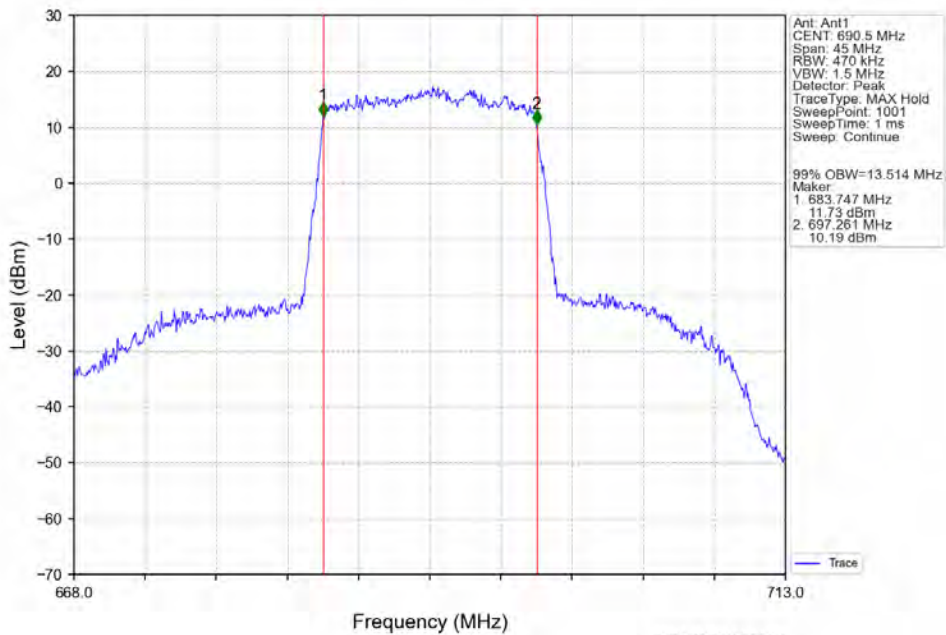
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



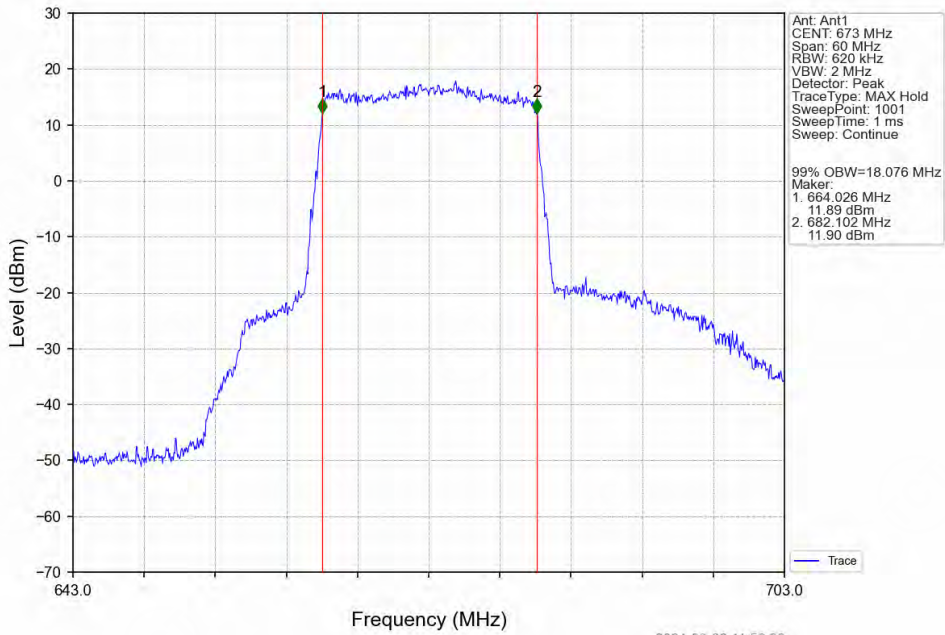
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTN



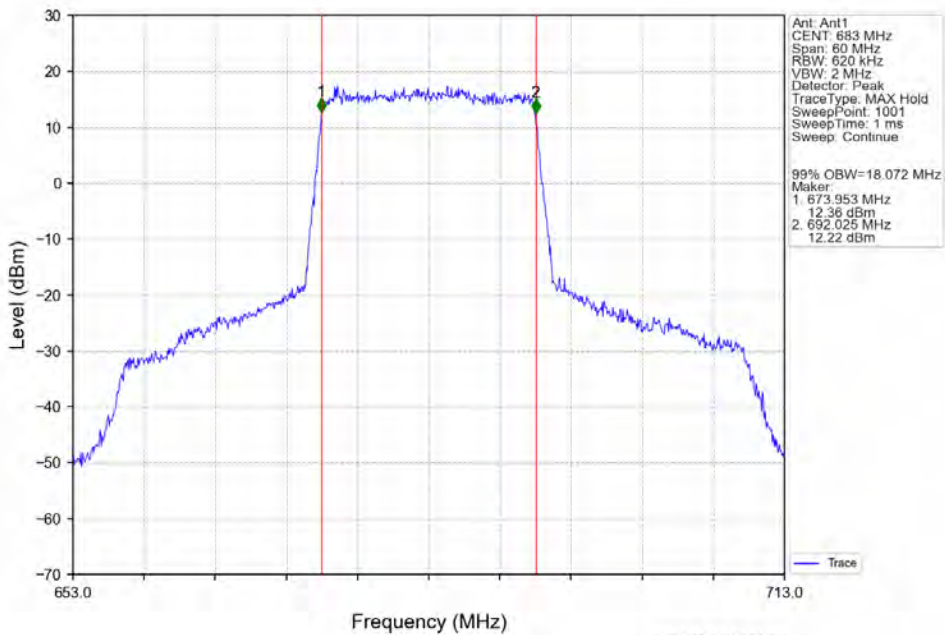
Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTN



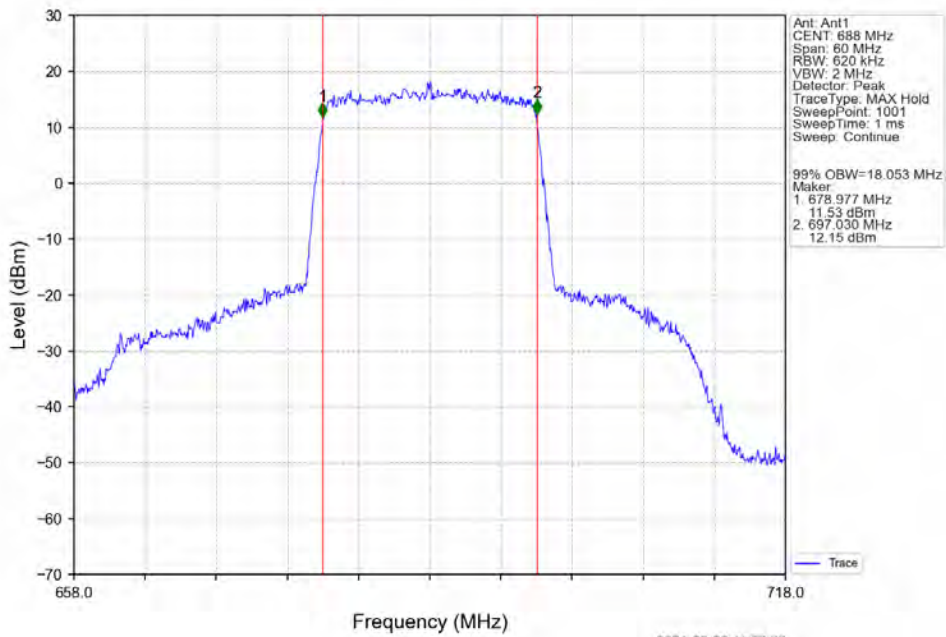
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTV



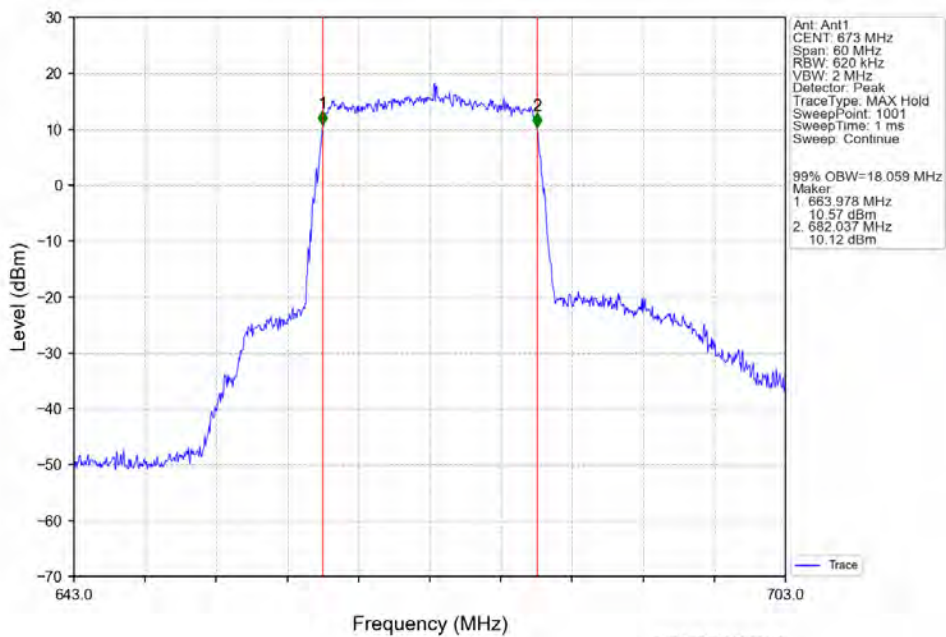
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTV



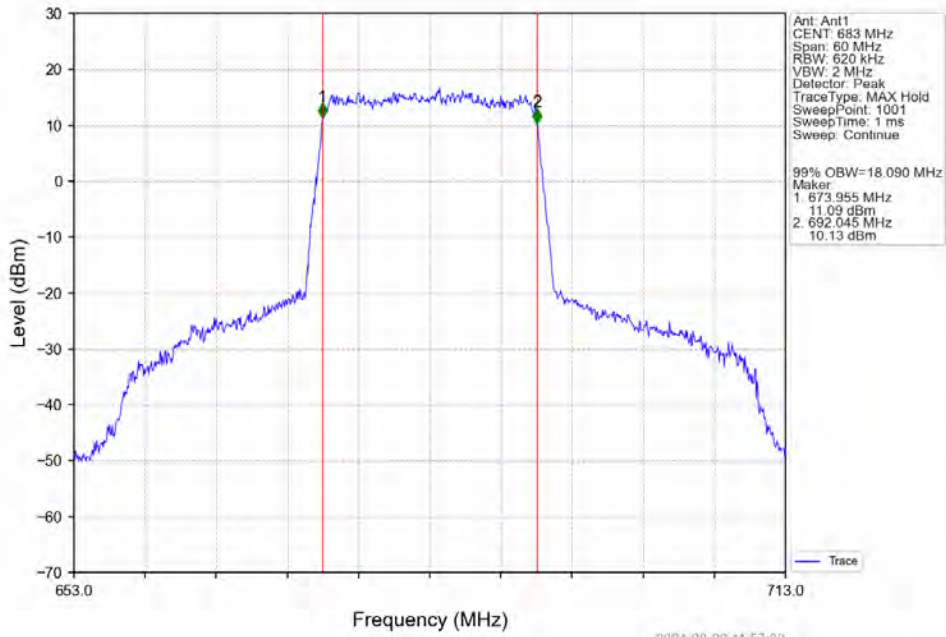
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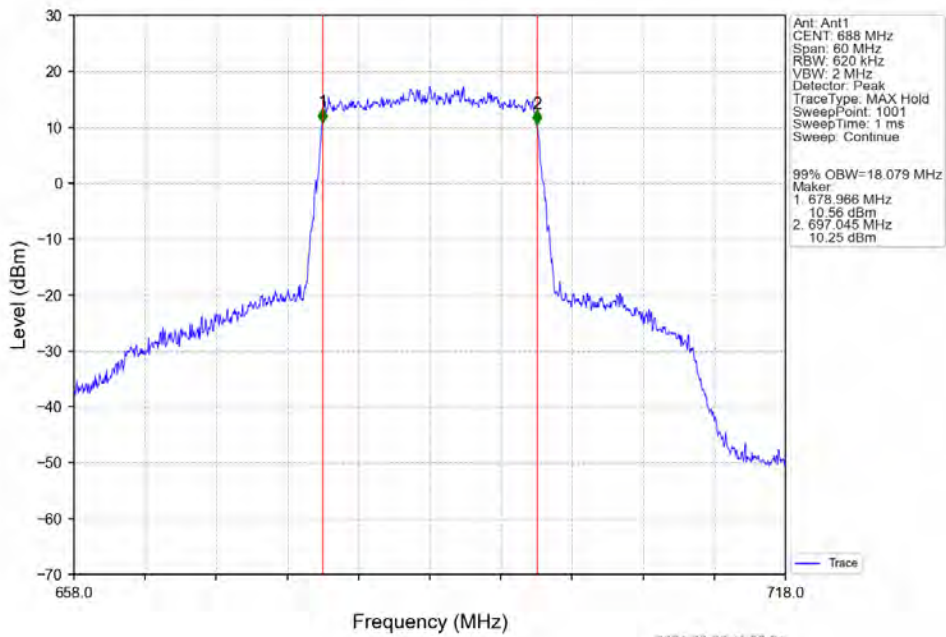
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



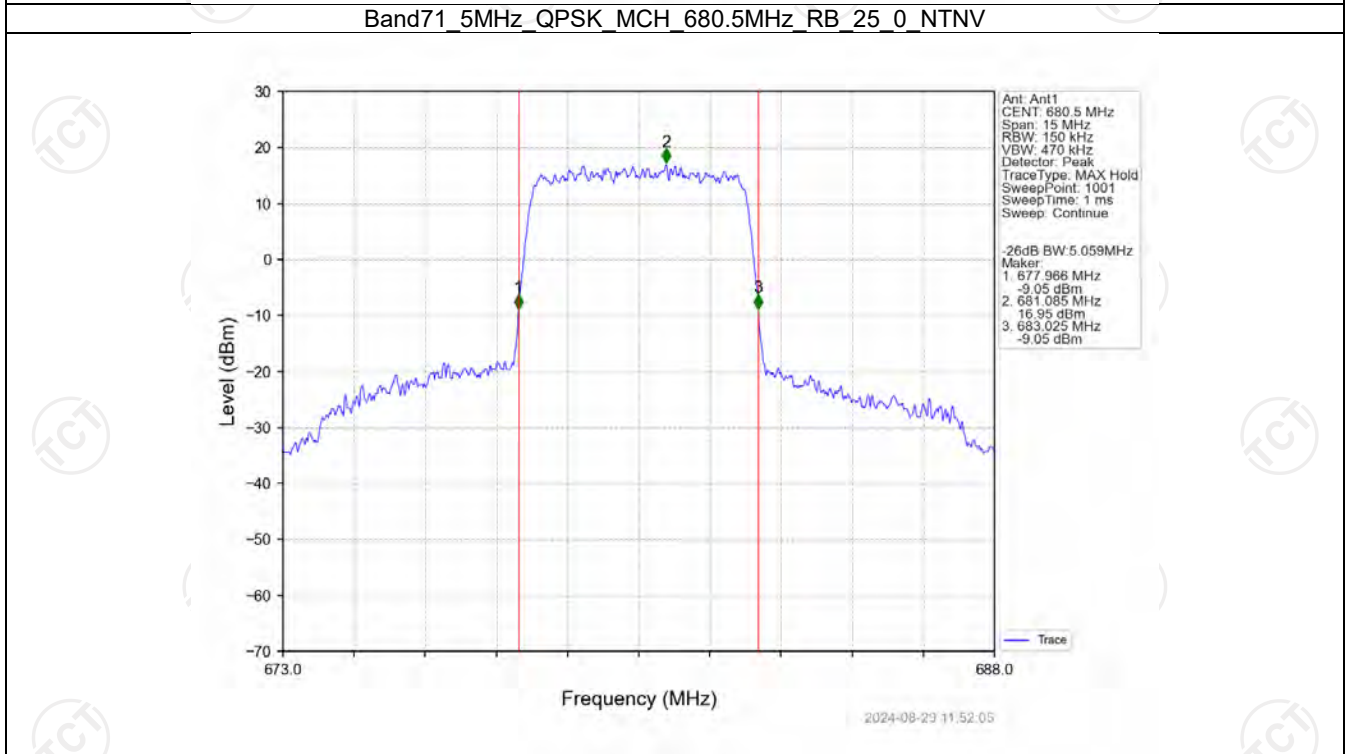
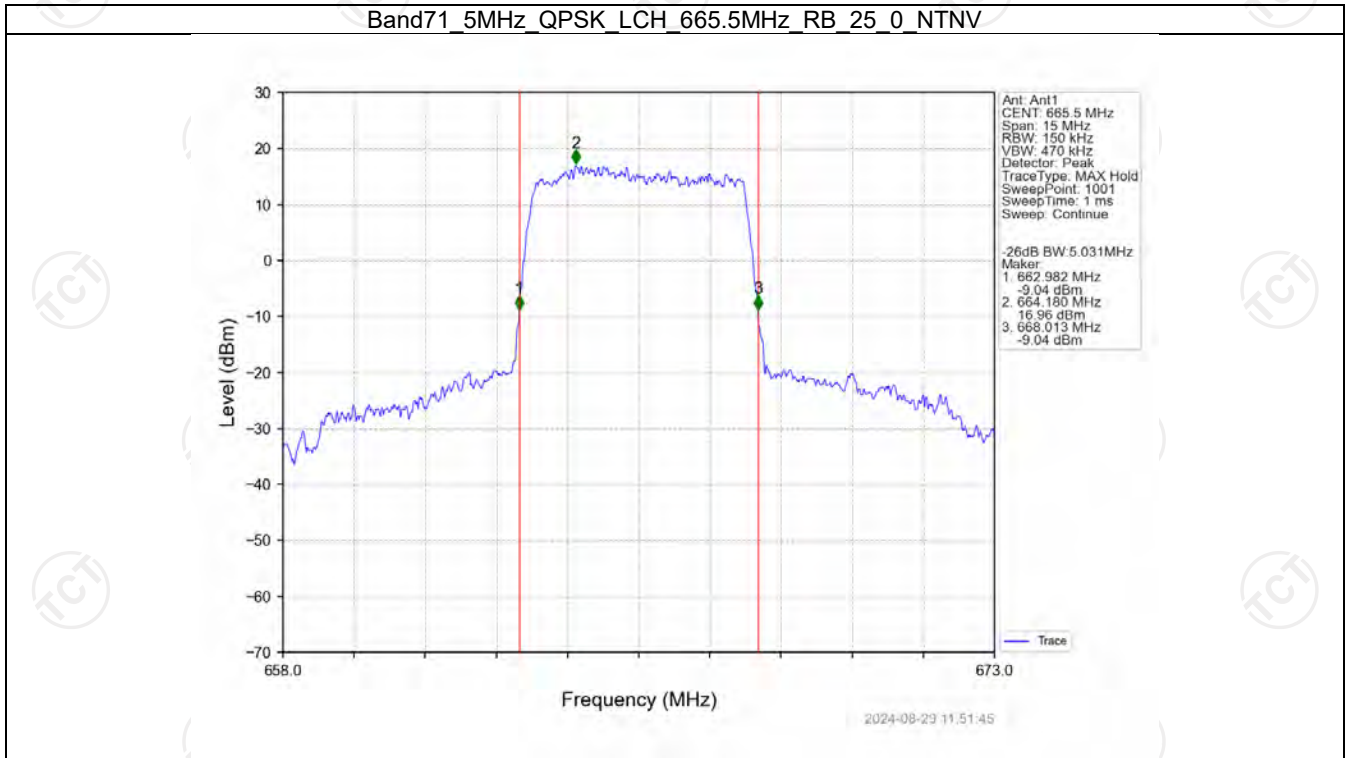
Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



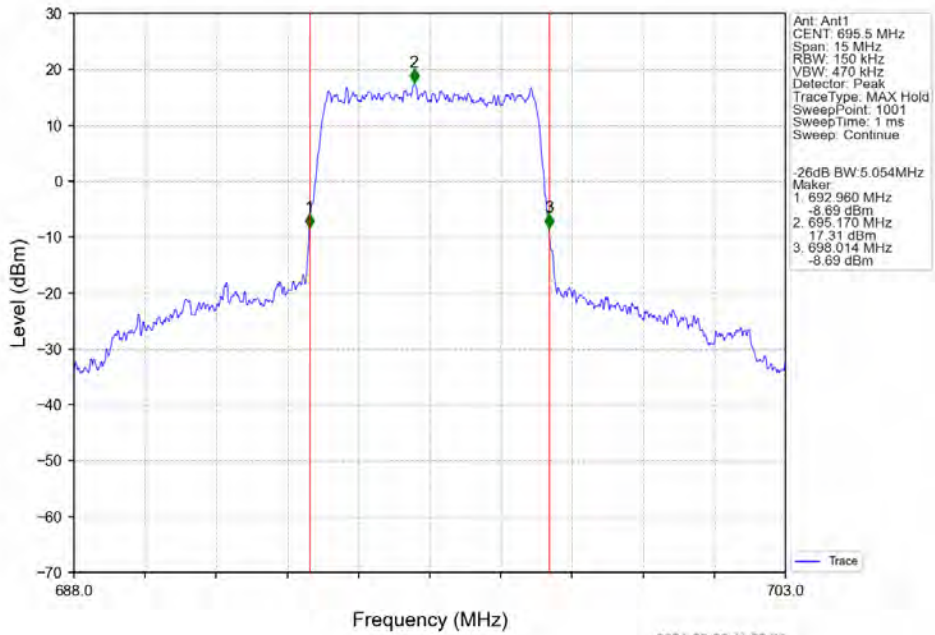
Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



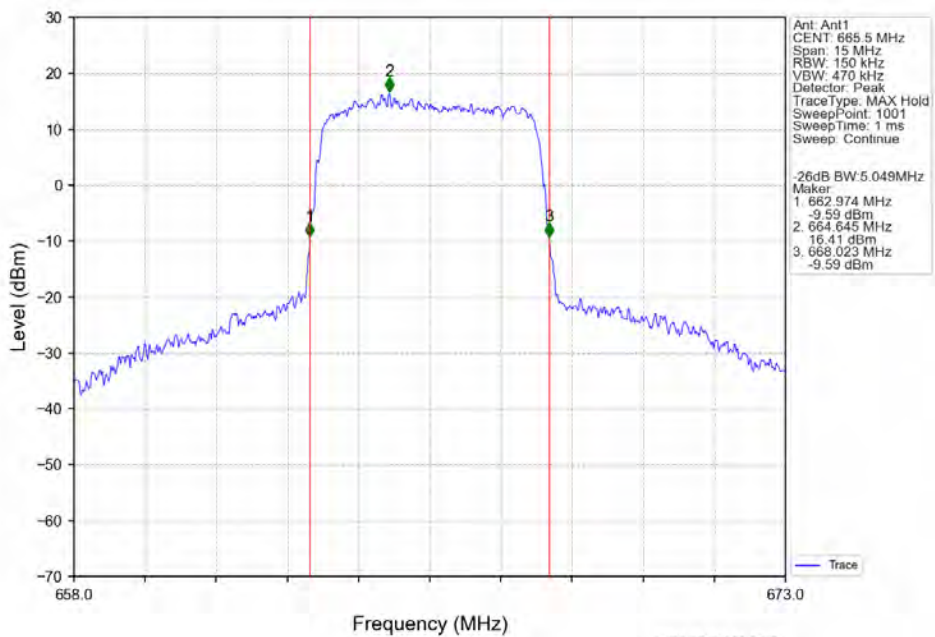
4.2.2 Band71_XDB



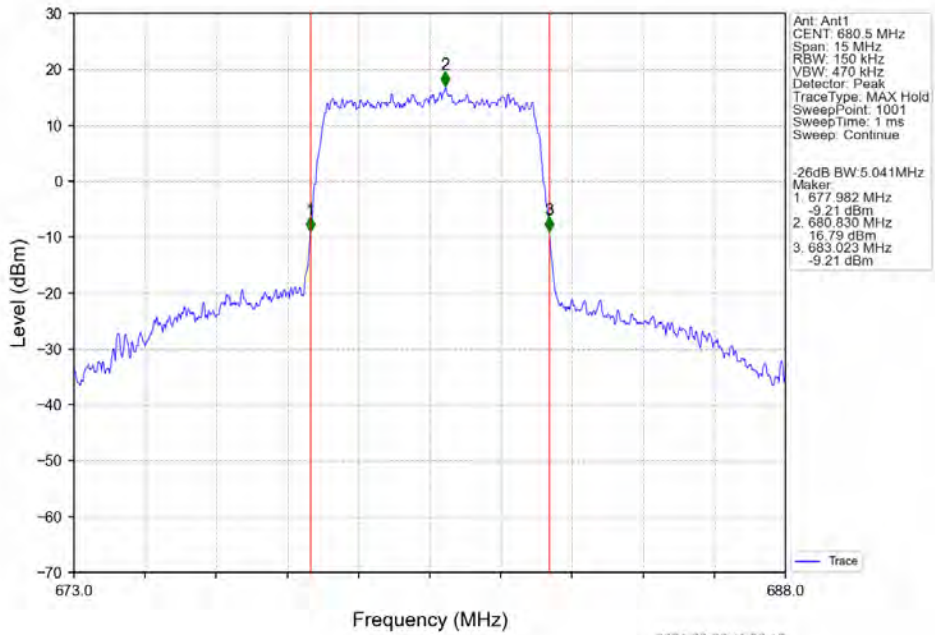
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



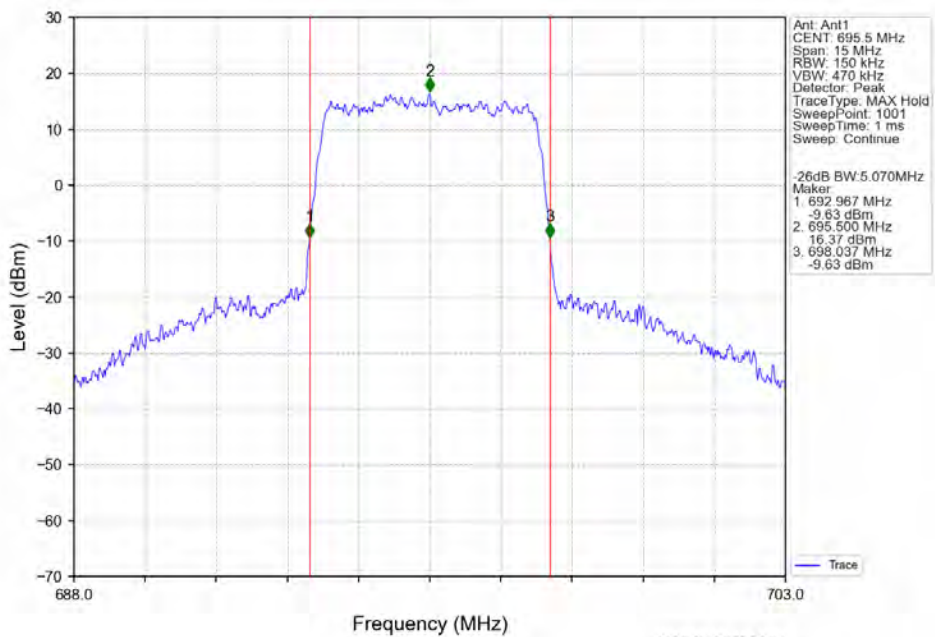
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTV



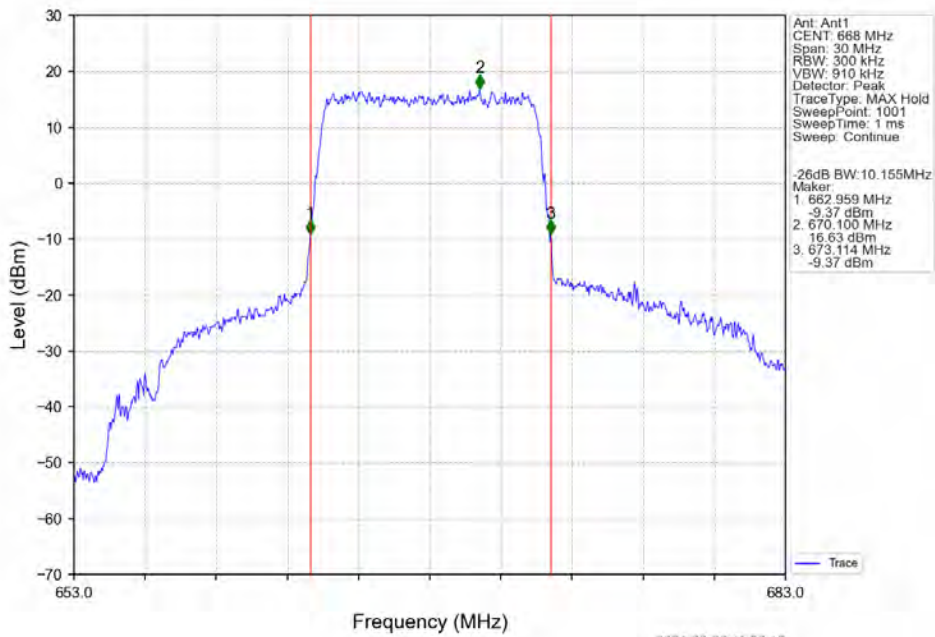
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



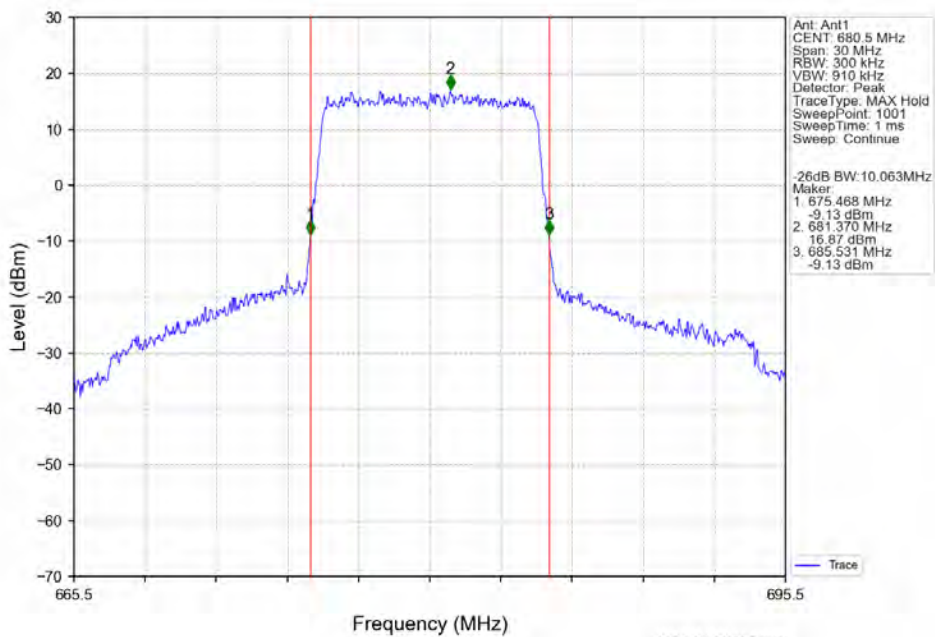
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



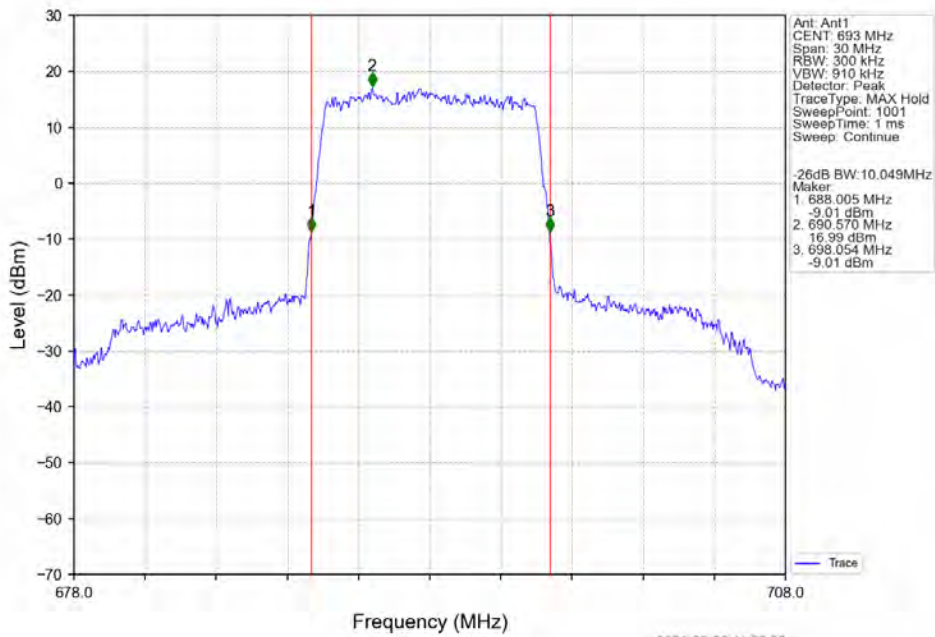
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTV



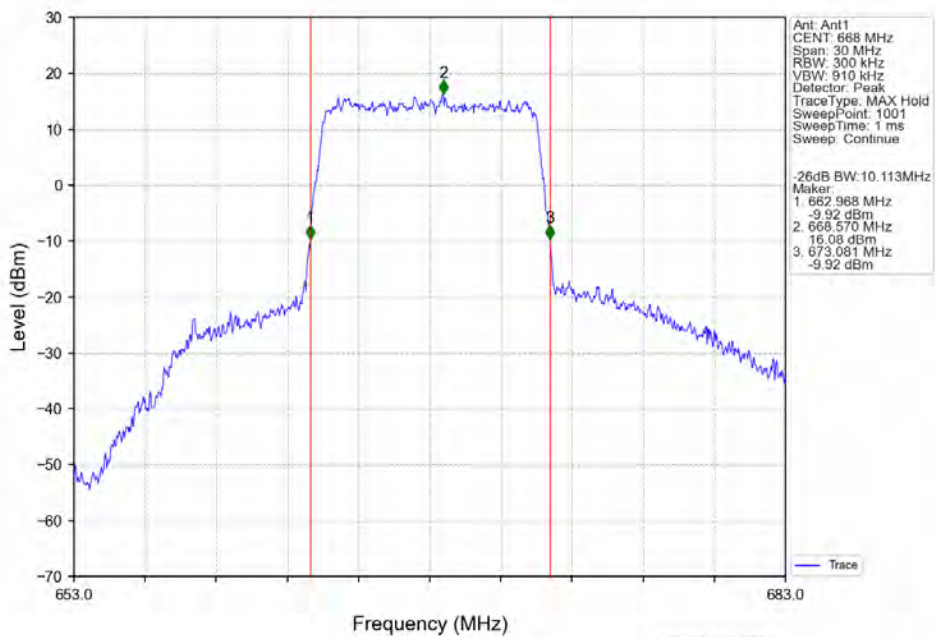
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV



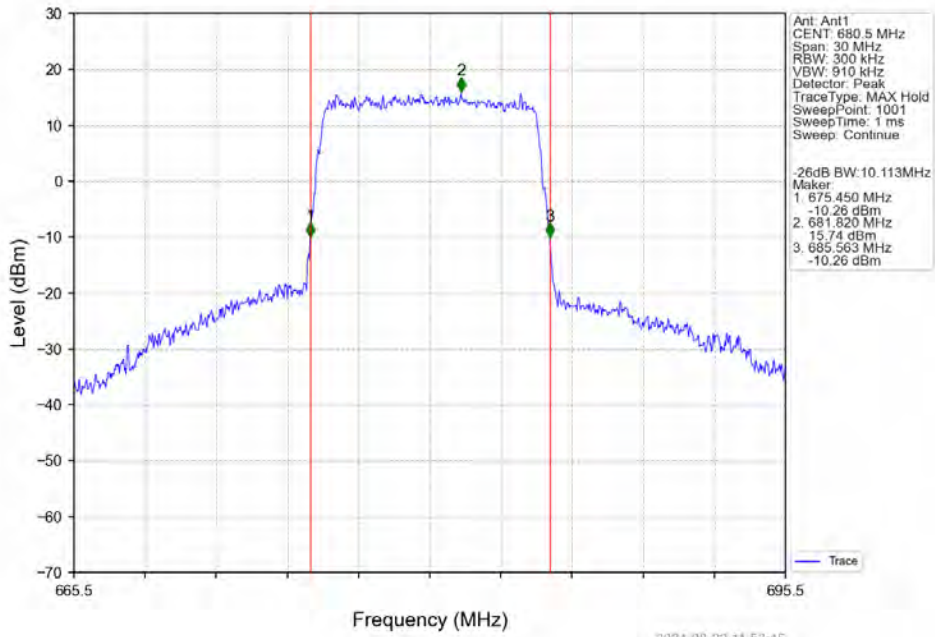
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTV



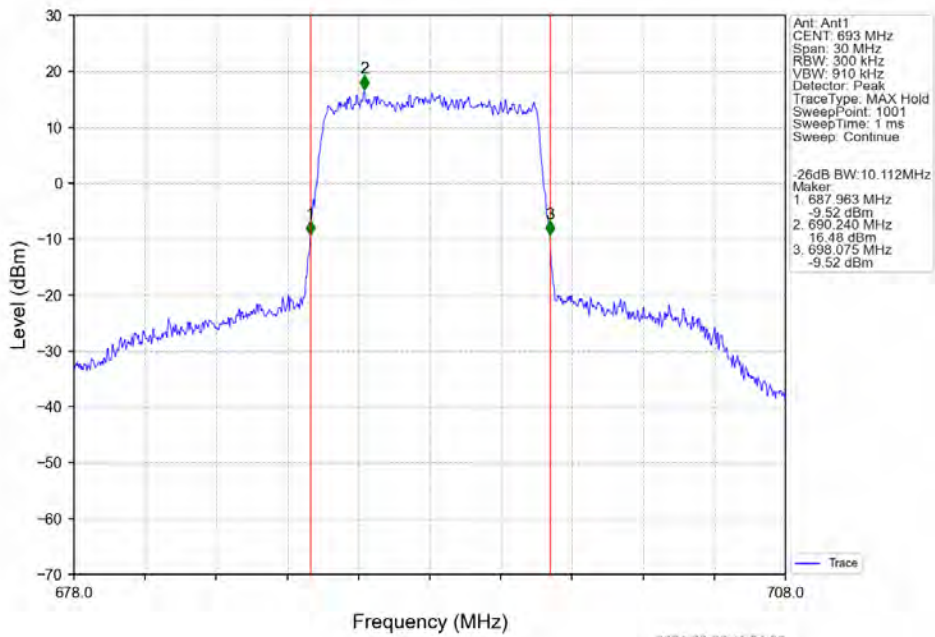
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTV



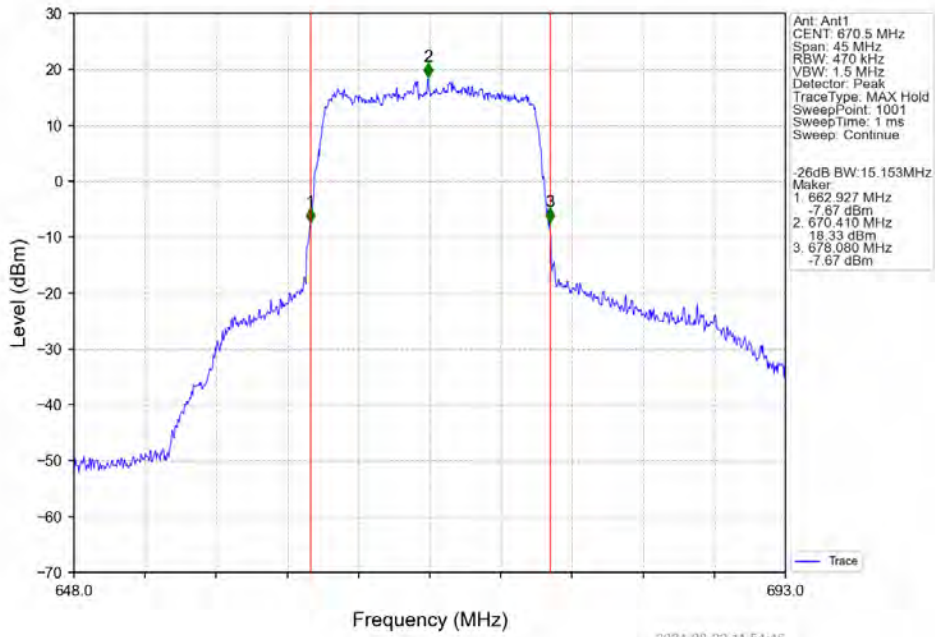
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



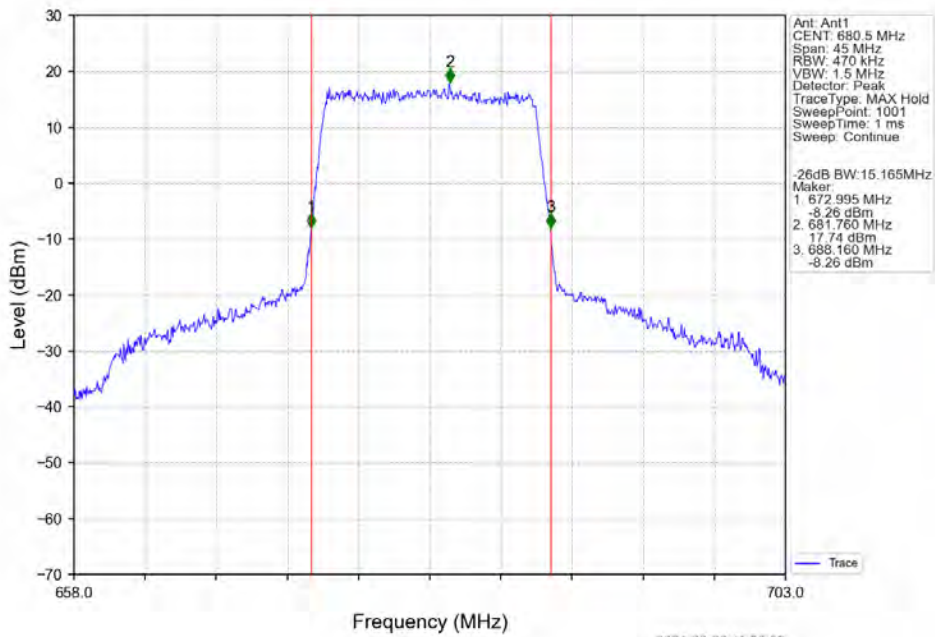
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



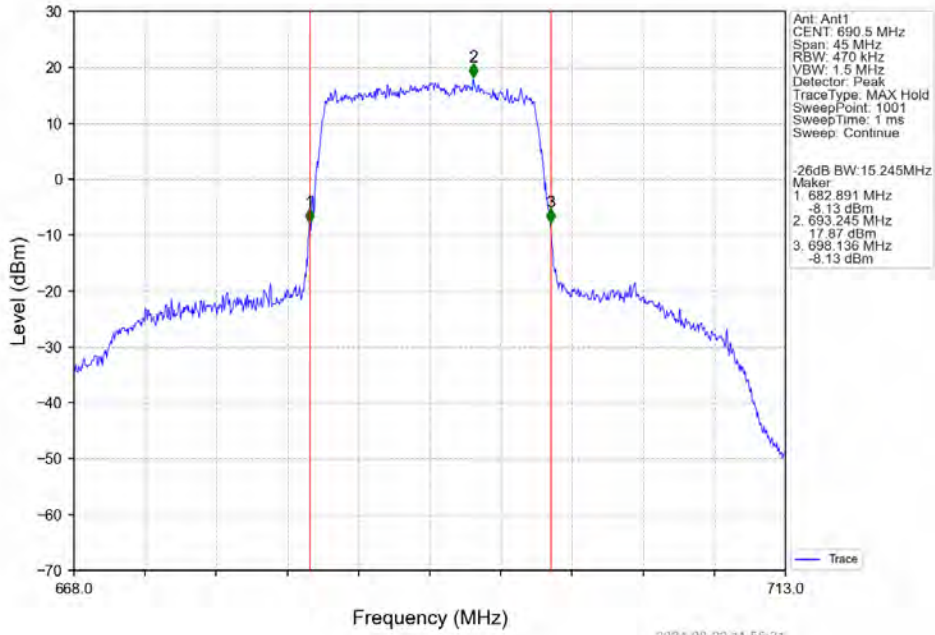
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



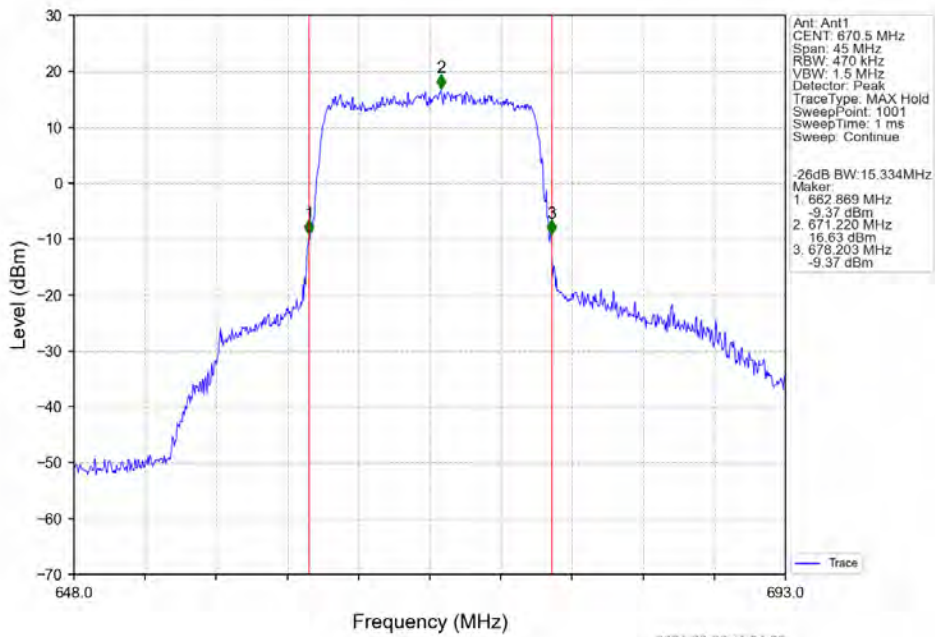
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTV



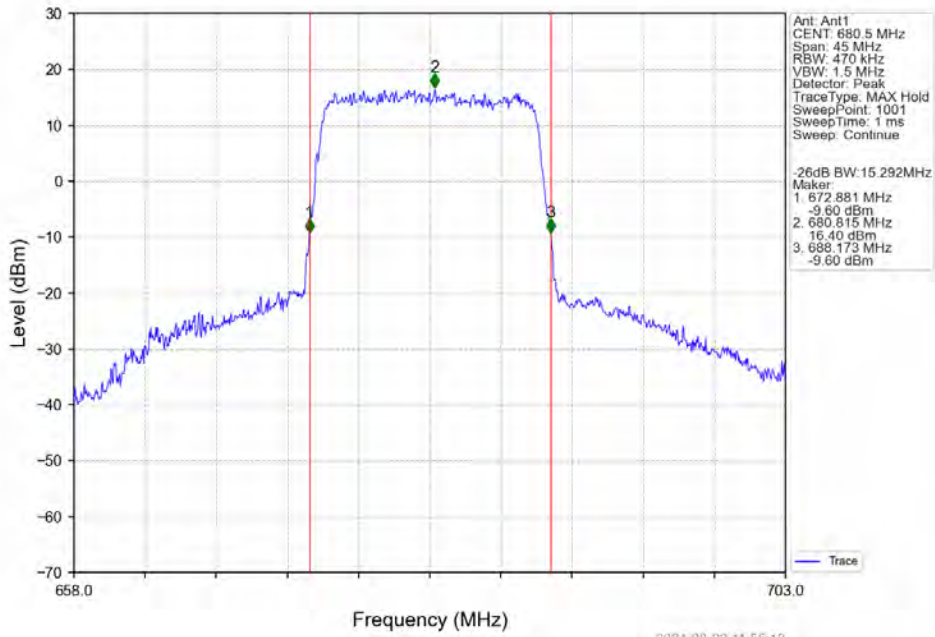
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



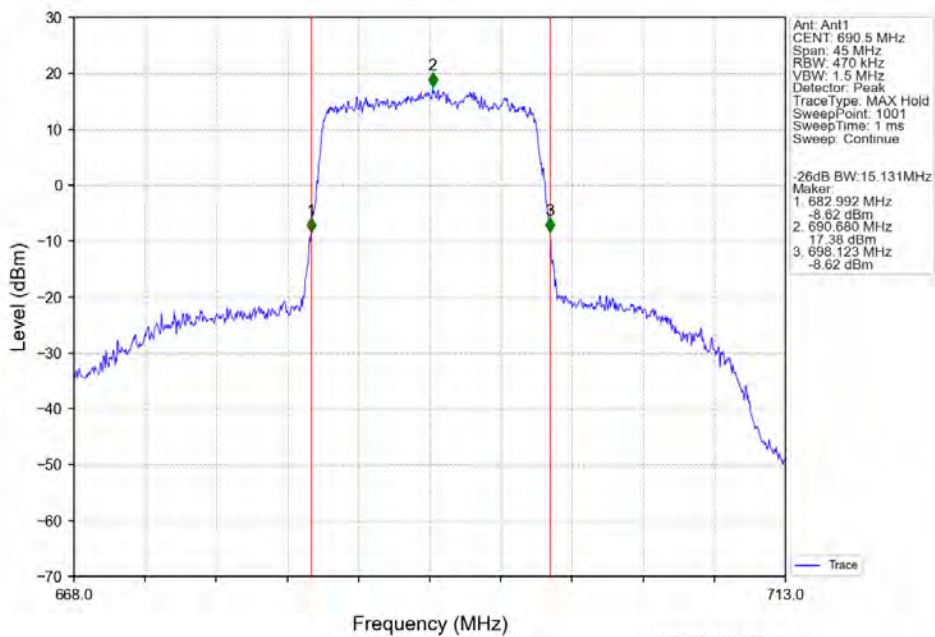
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



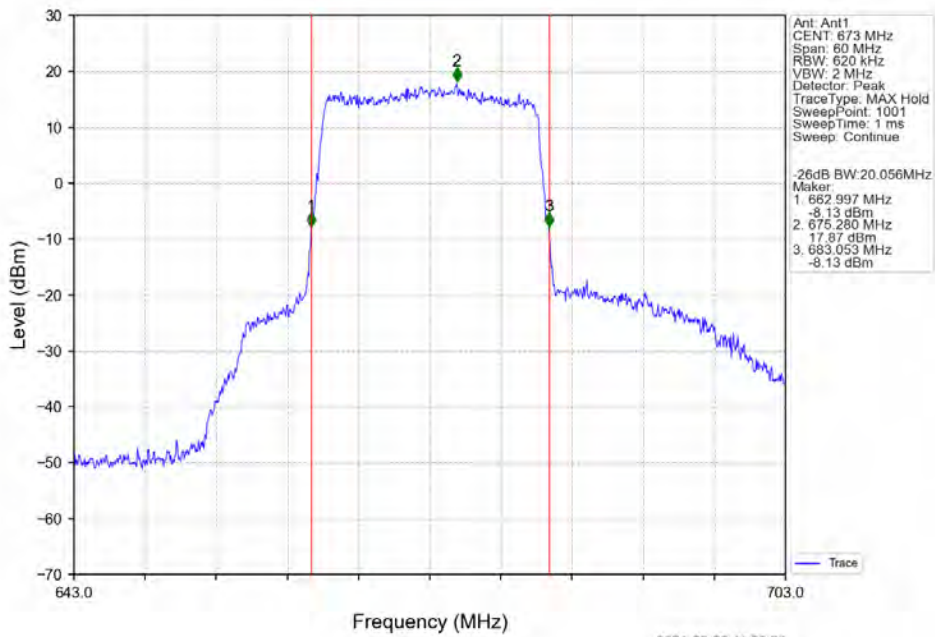
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTN



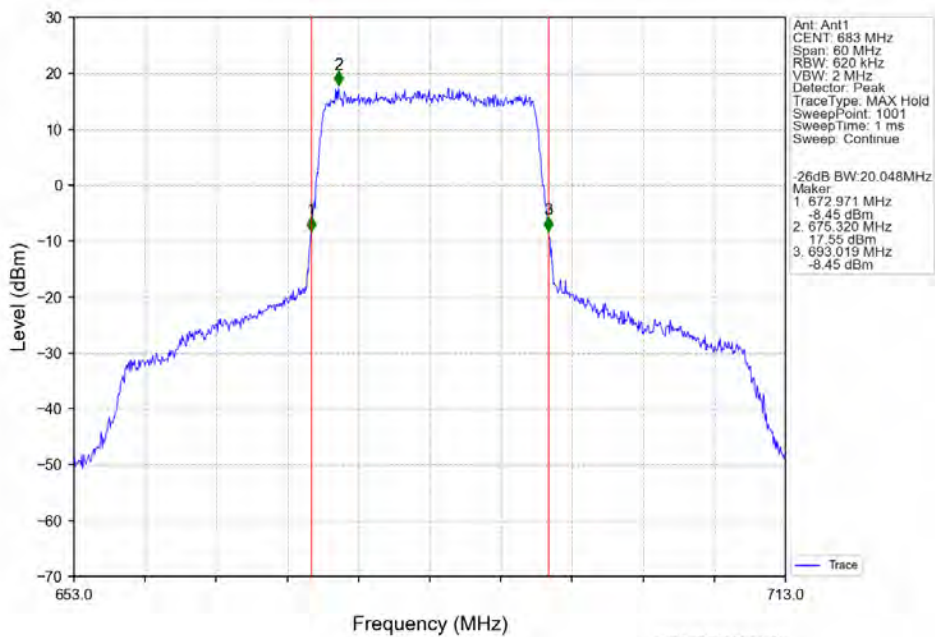
Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTN



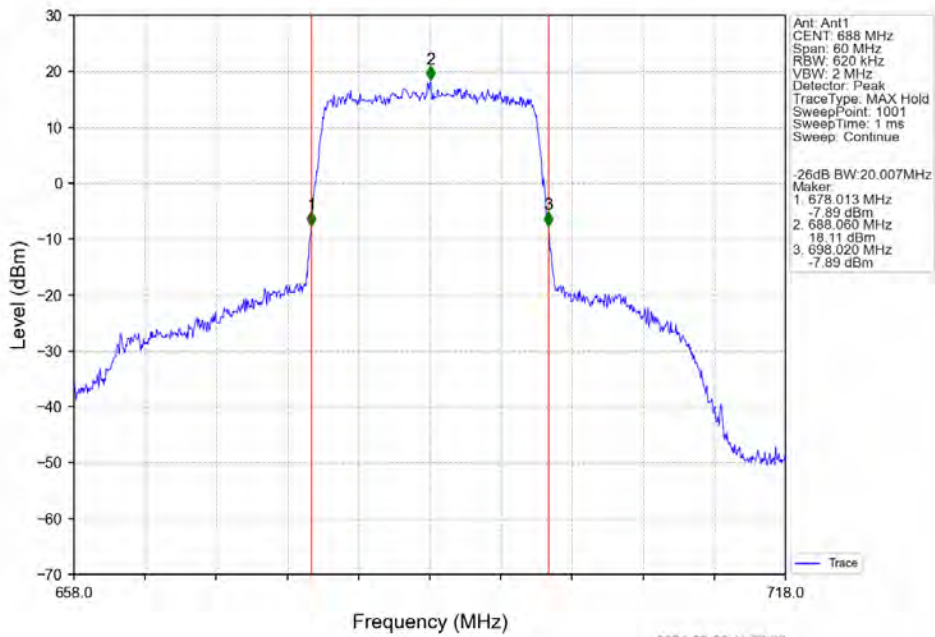
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTV



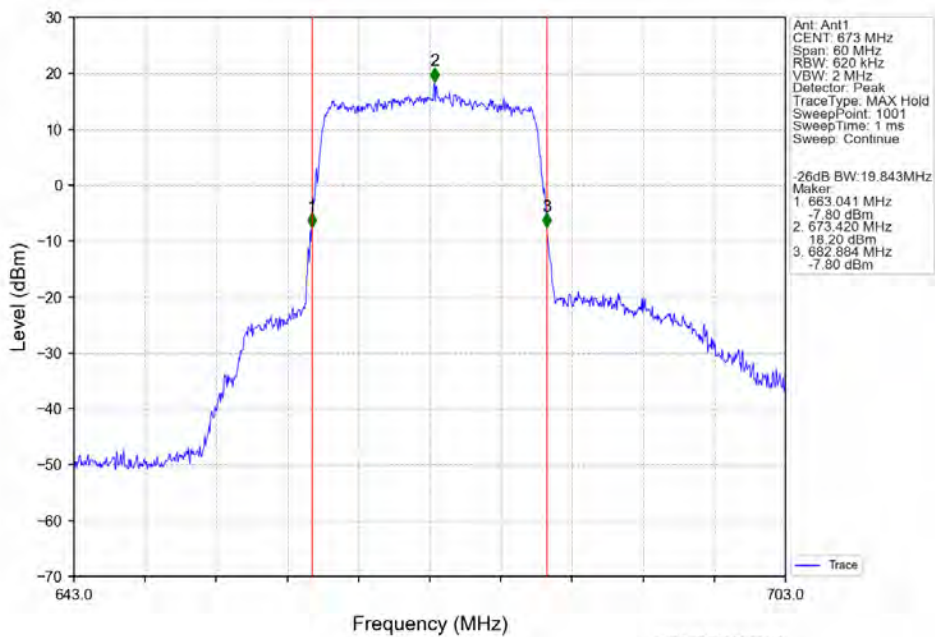
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTV



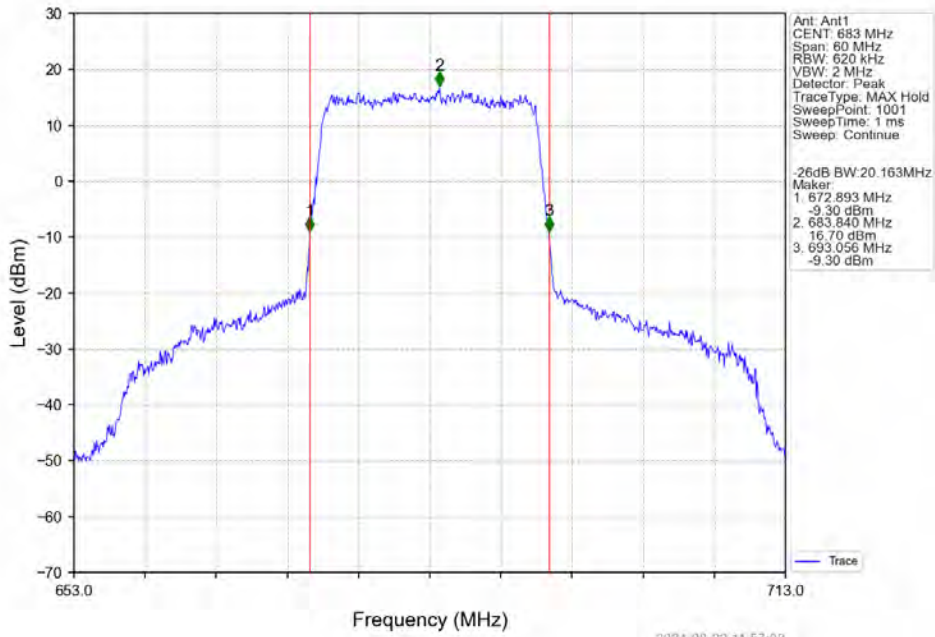
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



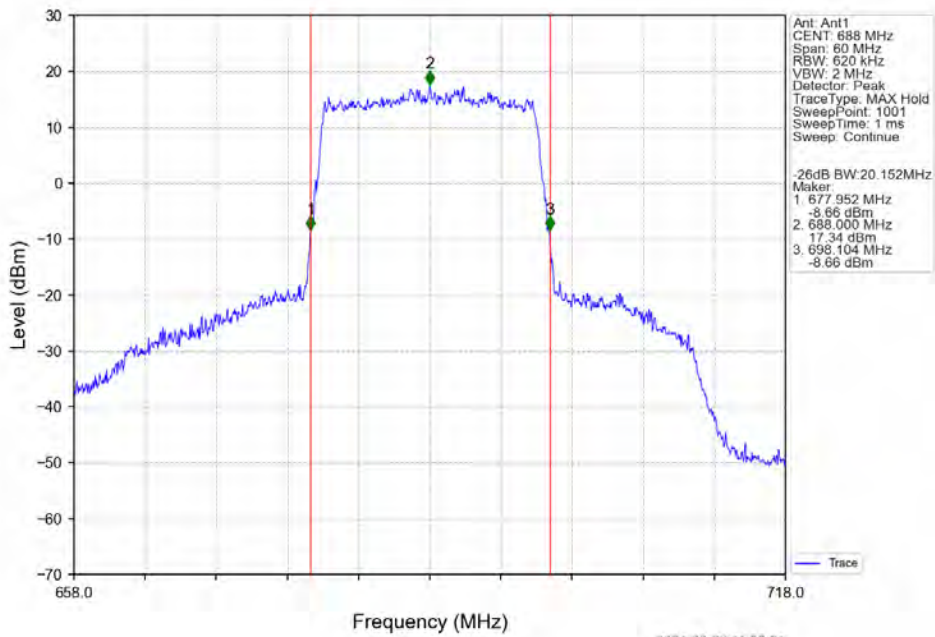
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



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



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



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.37	<=13	Pass
	680.5	25	0	5.51	<=13	Pass
	695.5	25	0	5.33	<=13	Pass
16QAM	665.5	25	0	6.13	<=13	Pass
	680.5	25	0	6.20	<=13	Pass
	695.5	25	0	6.06	<=13	Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.53	<=13	Pass
	680.5	50	0	5.51	<=13	Pass
	693	50	0	5.26	<=13	Pass
16QAM	668	50	0	6.24	<=13	Pass
	680.5	50	0	6.29	<=13	Pass
	693	50	0	6.00	<=13	Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.65	<=13	Pass
	680.5	75	0	5.74	<=13	Pass
	690.5	75	0	5.38	<=13	Pass
16QAM	670.5	75	0	6.14	<=13	Pass
	680.5	75	0	6.25	<=13	Pass
	690.5	75	0	6.01	<=13	Pass

5.1.4 B71_20MHz

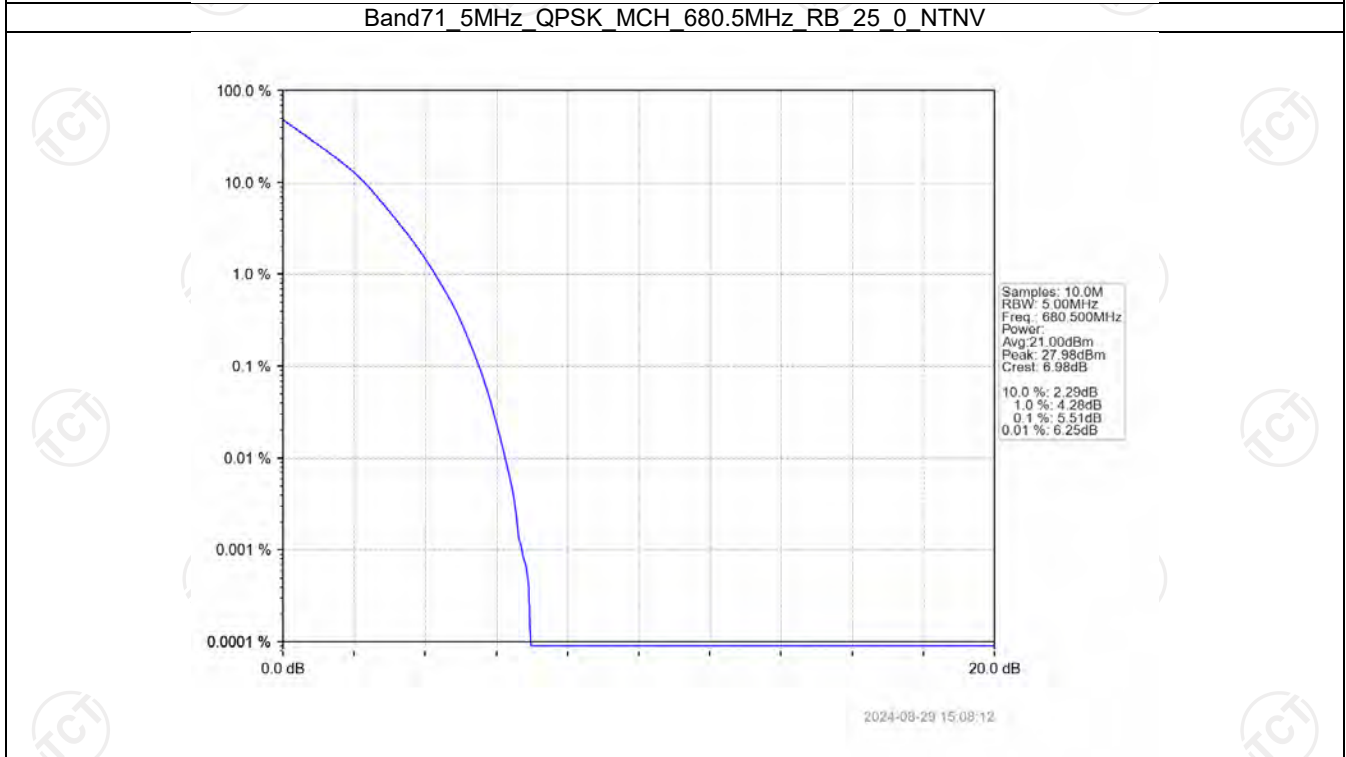
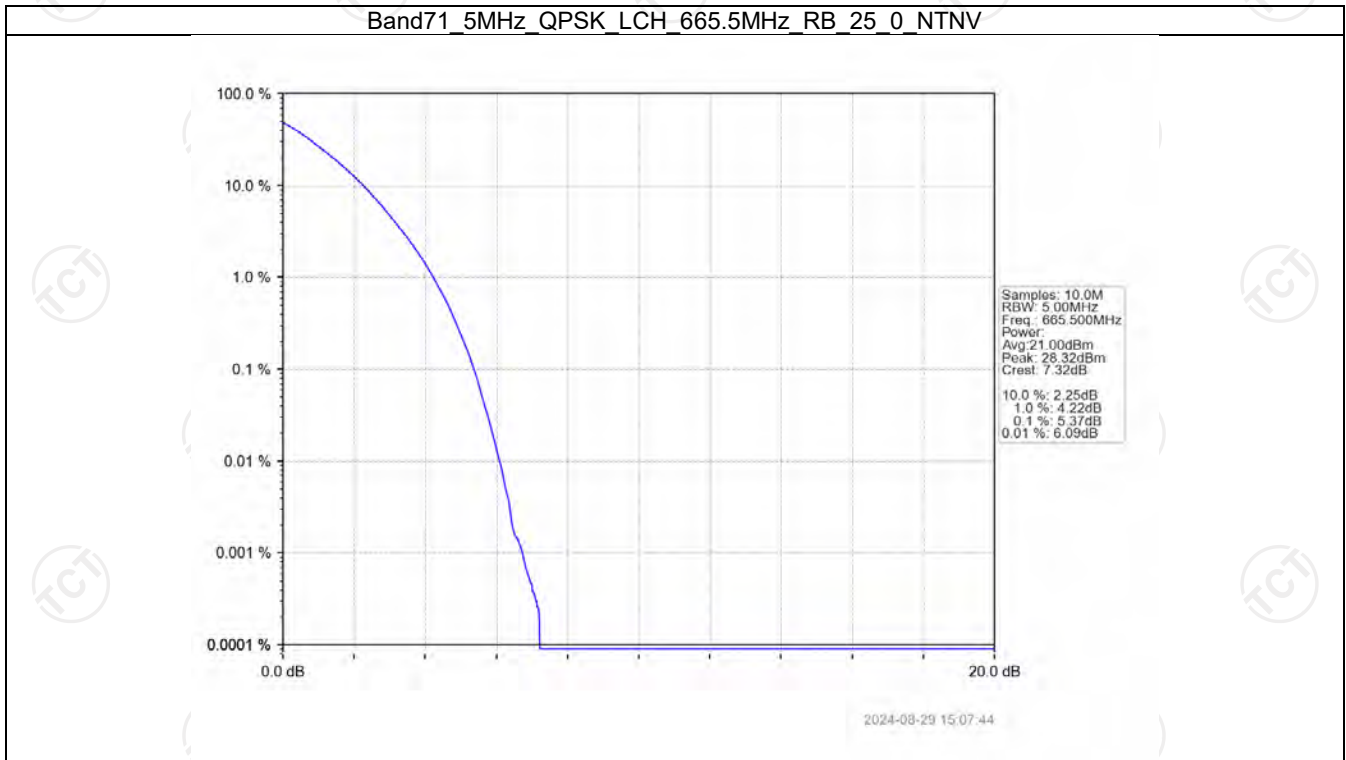
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.34	<=13	Pass
	683	100	0	5.45	<=13	Pass
	688	100	0	5.30	<=13	Pass
16QAM	673	100	0	6.13	<=13	Pass
	683	100	0	6.18	<=13	Pass

	688	100	0	6.13	<=13	Pass
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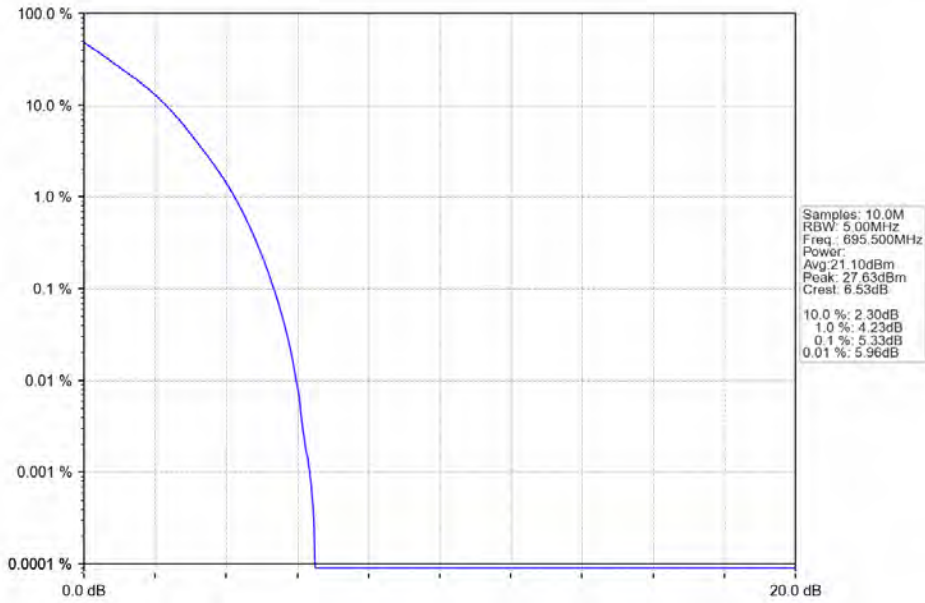


5.2 Test Graph

5.2.1 B71_5MHz

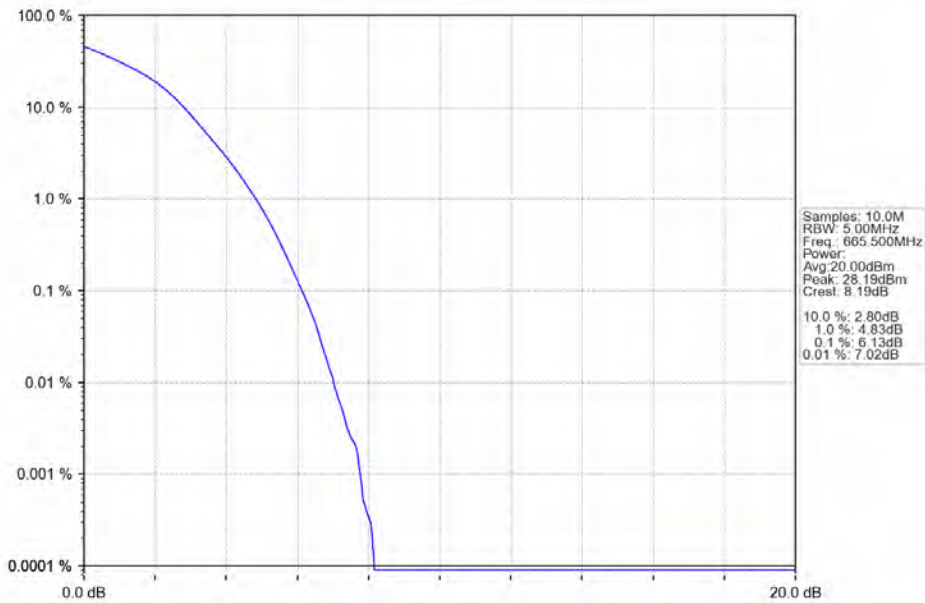


Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



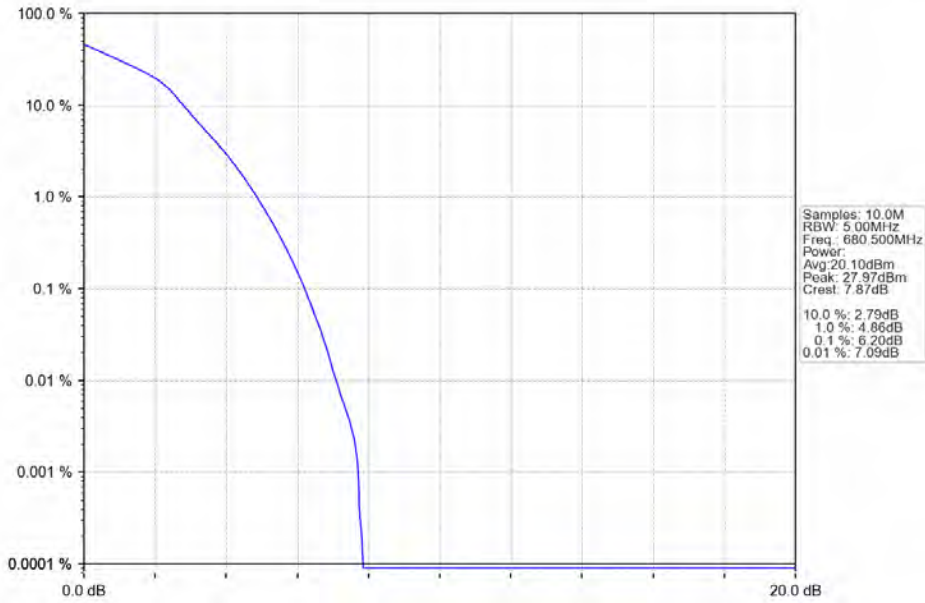
2024-08-29 15:08:39

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



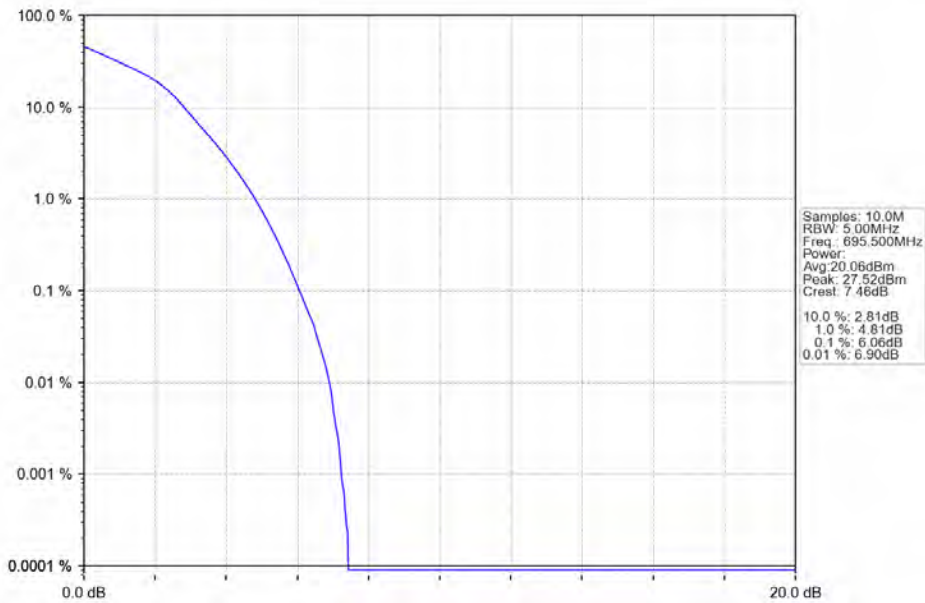
2024-08-29 15:07:57

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



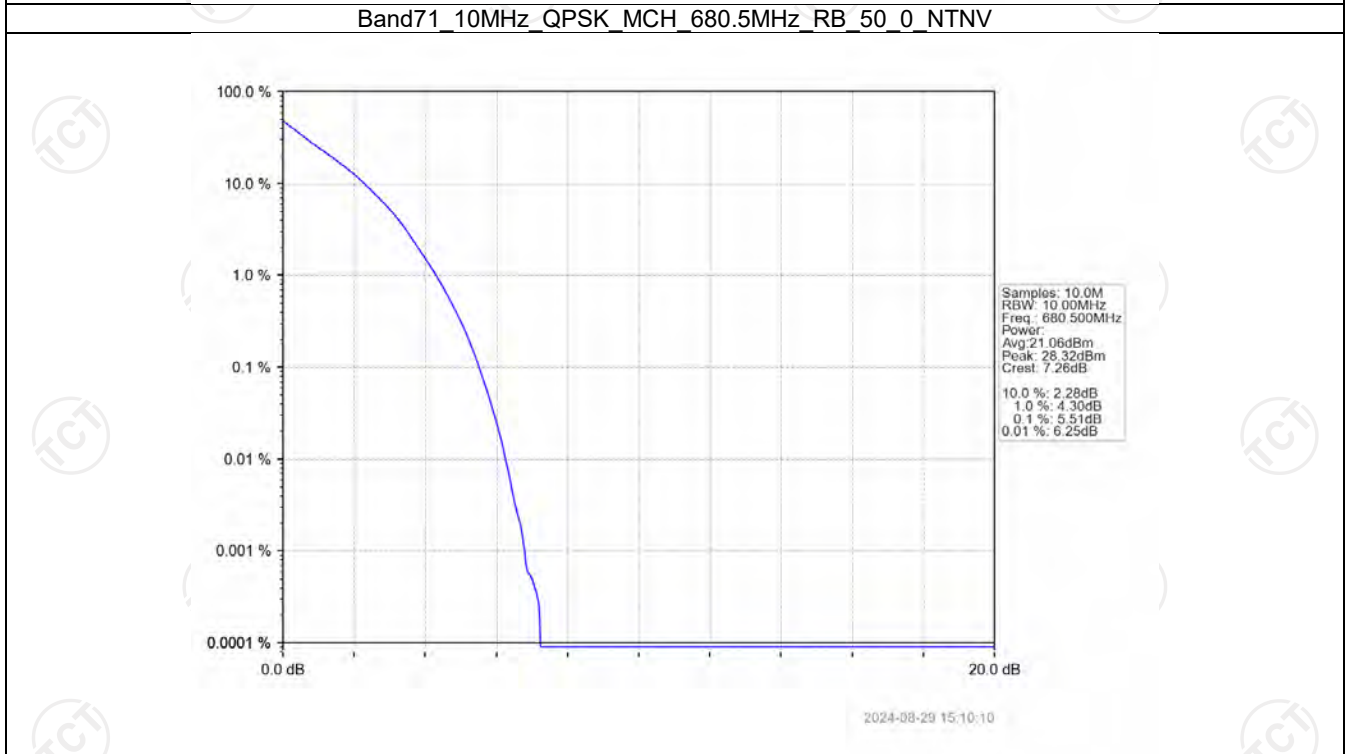
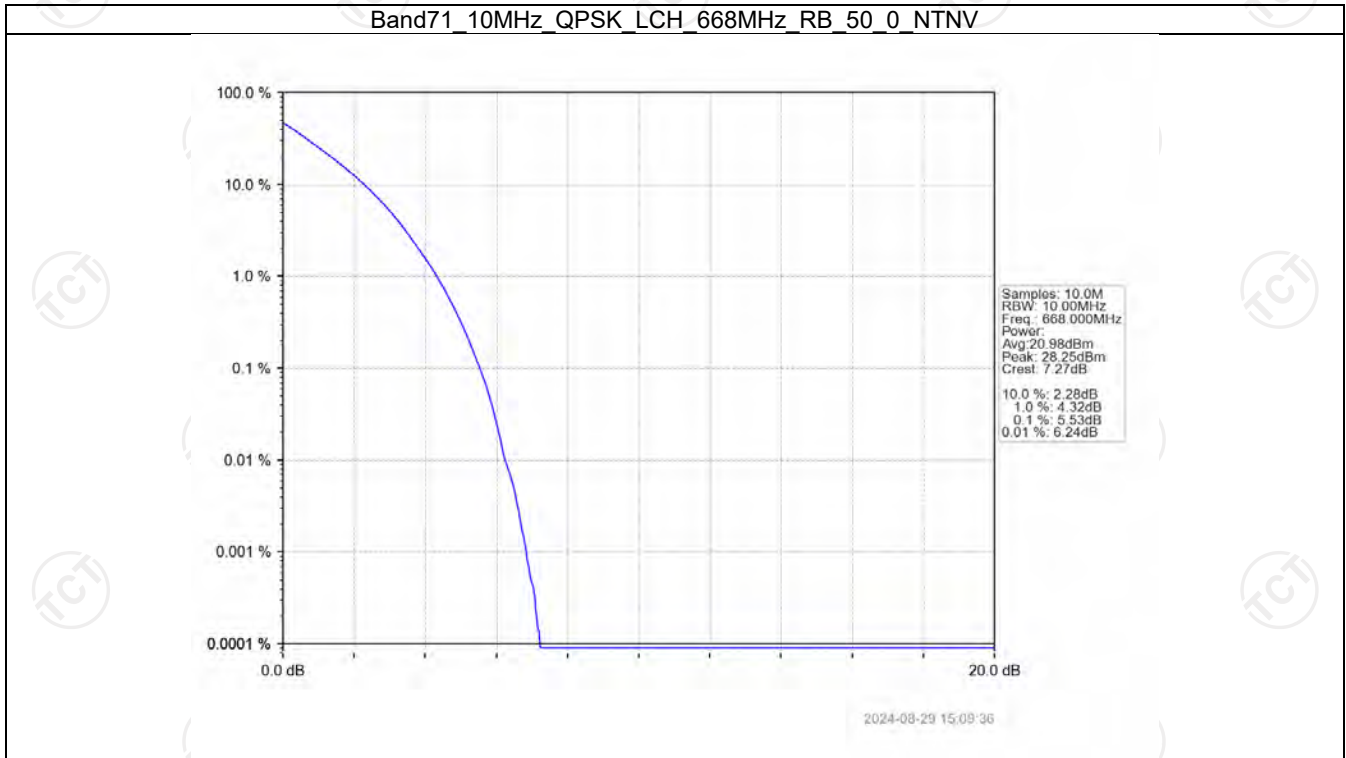
2024-08-29 15:08:25

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

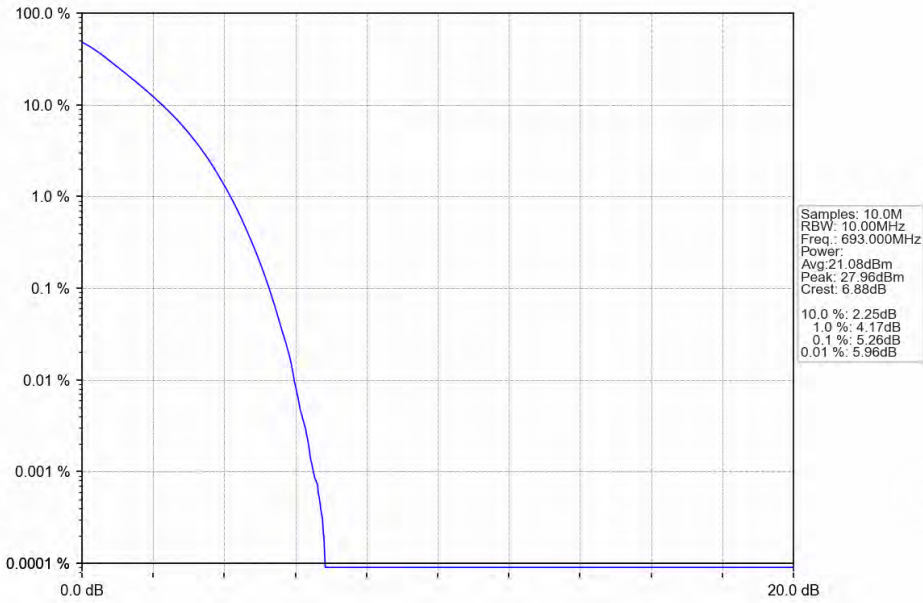


2024-08-29 15:08:52

5.2.2 B71_10MHz

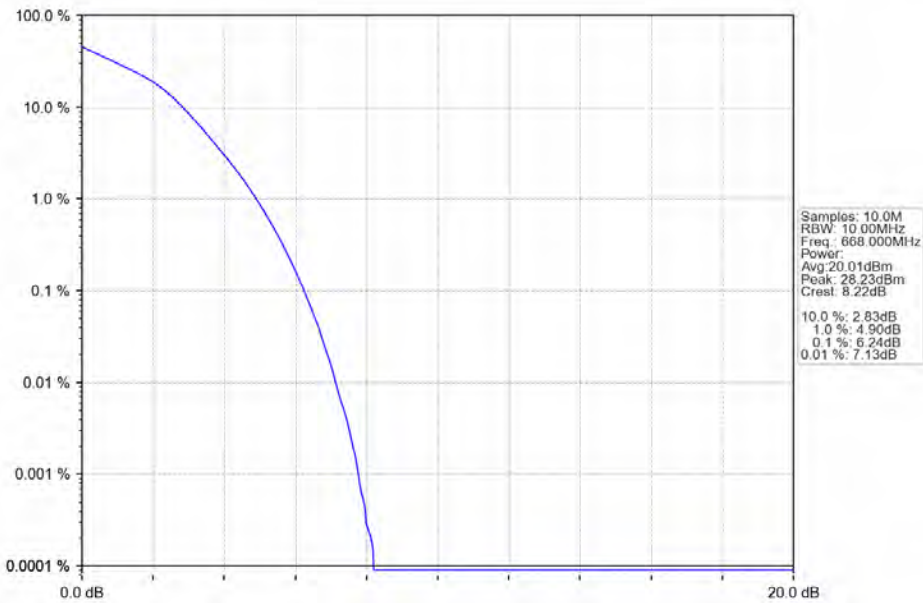


Band71 10MHz QPSK HCH 693MHz RB 50 0 NTV



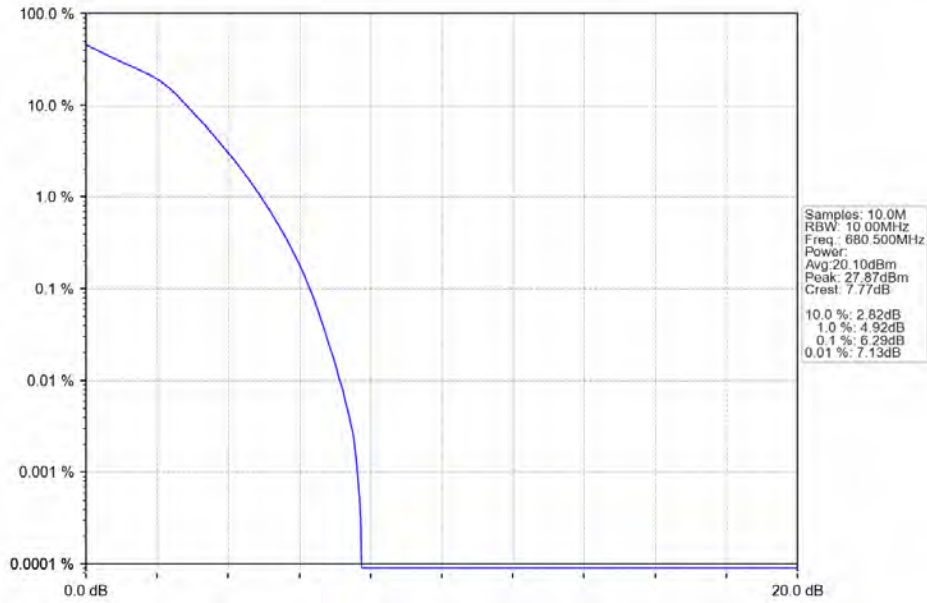
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Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTV



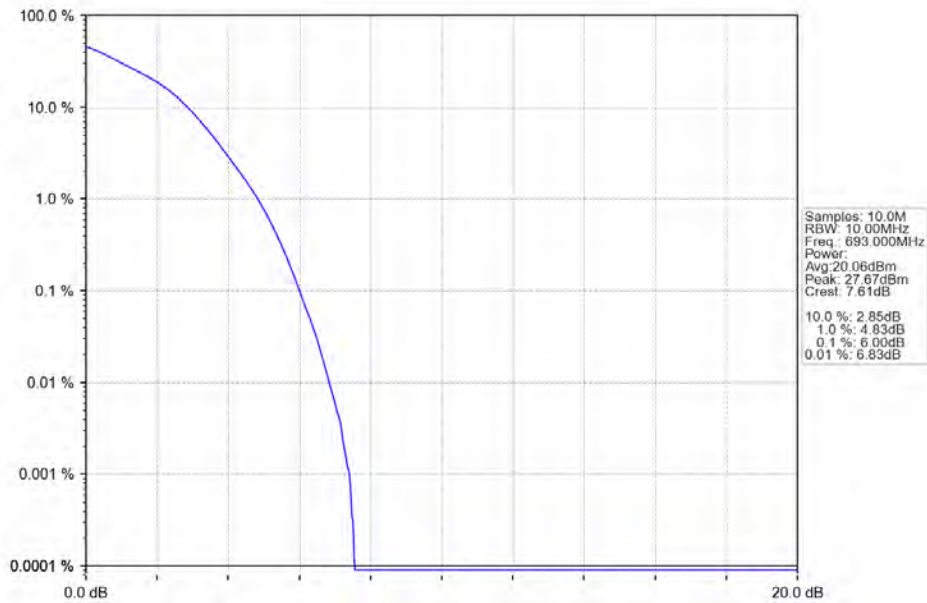
2024-08-29 15:09:52

Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



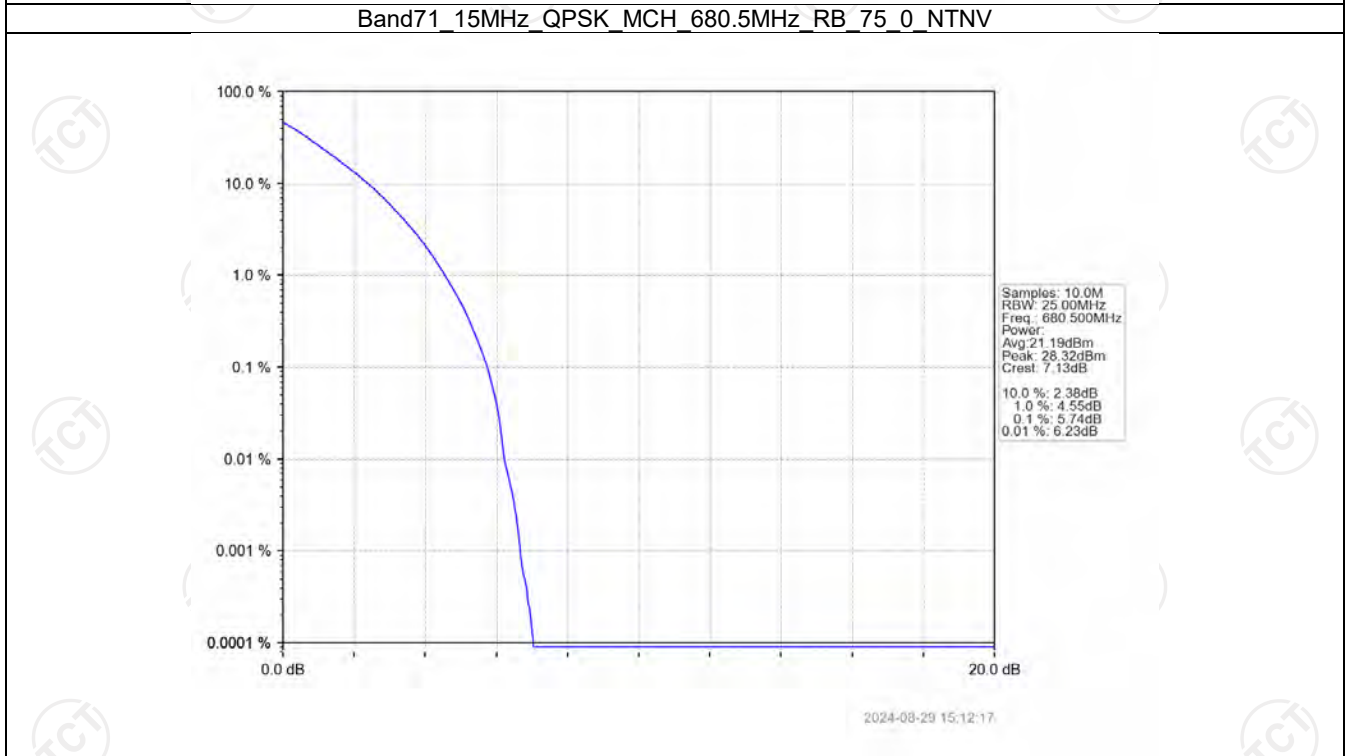
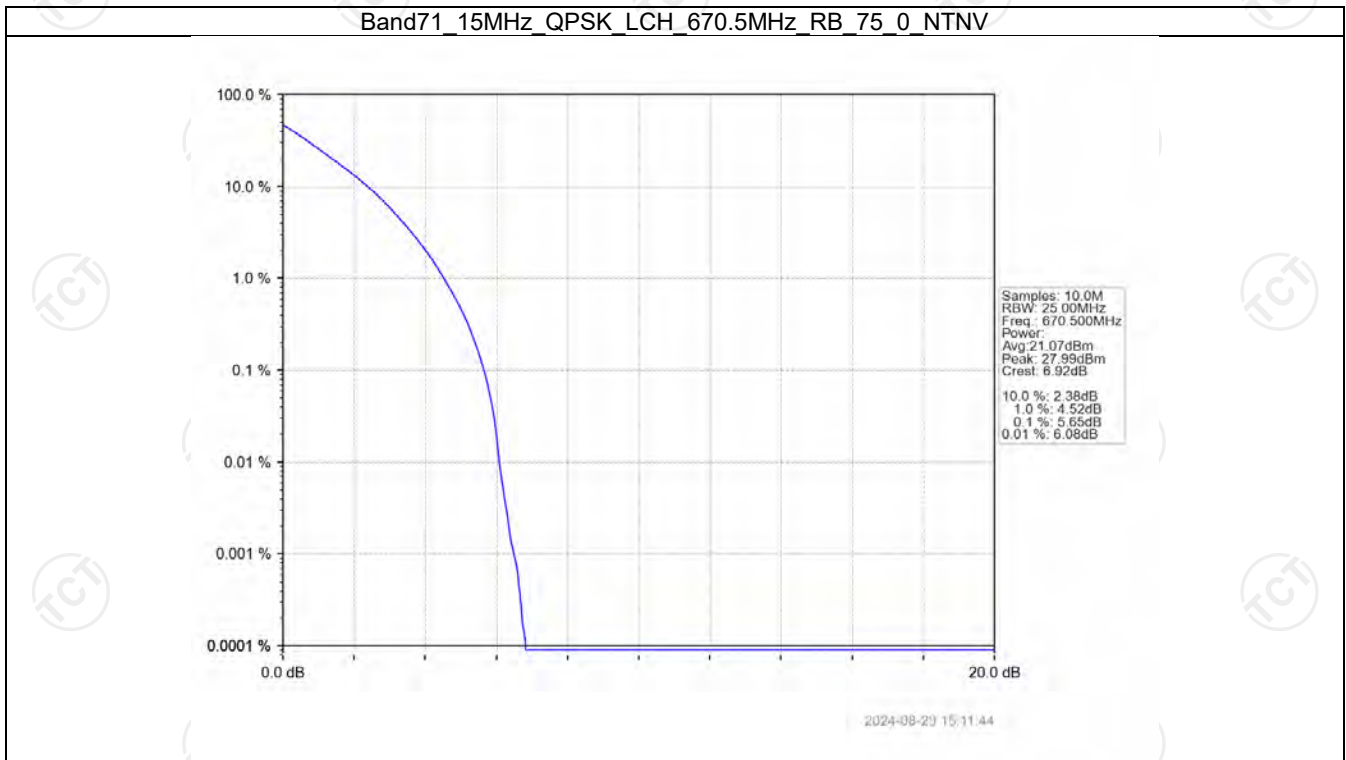
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Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN

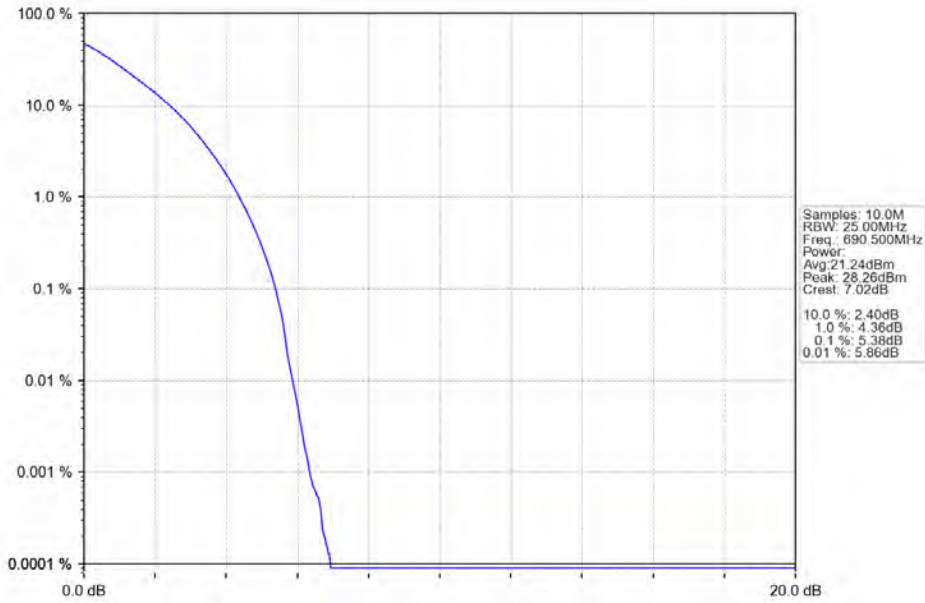


2024-08-29 15:10:59

5.2.3 B71_15MHz

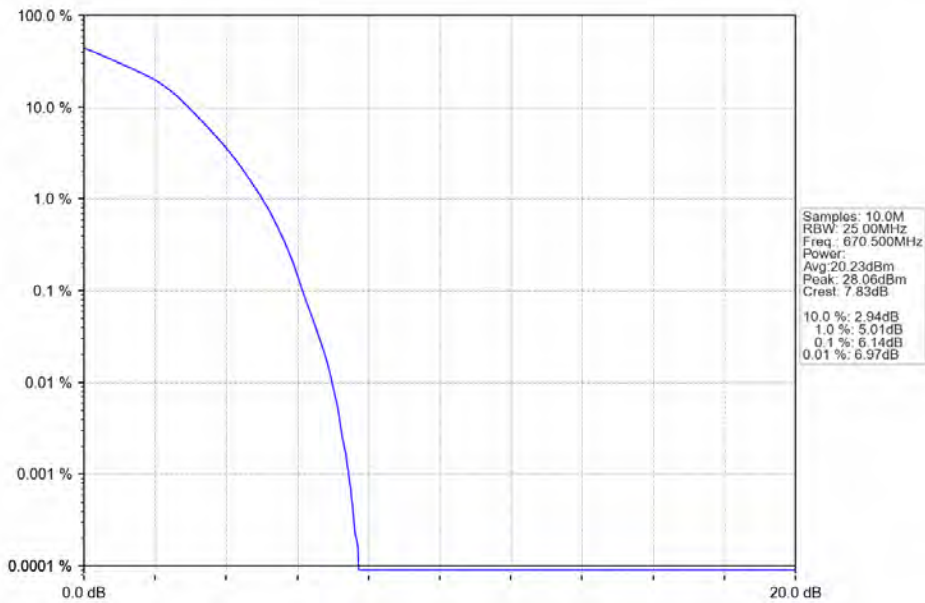


Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



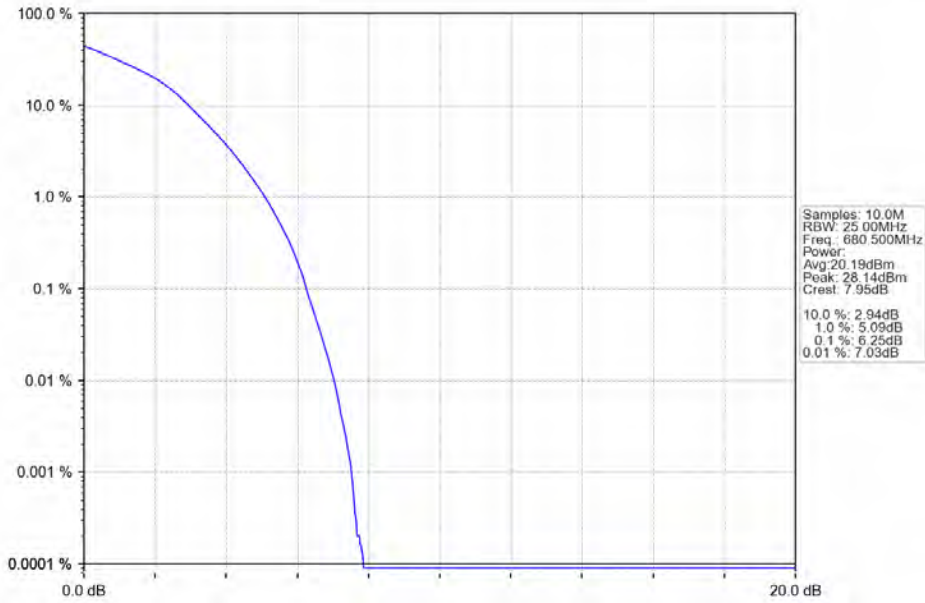
2024-08-29 15:12:48

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



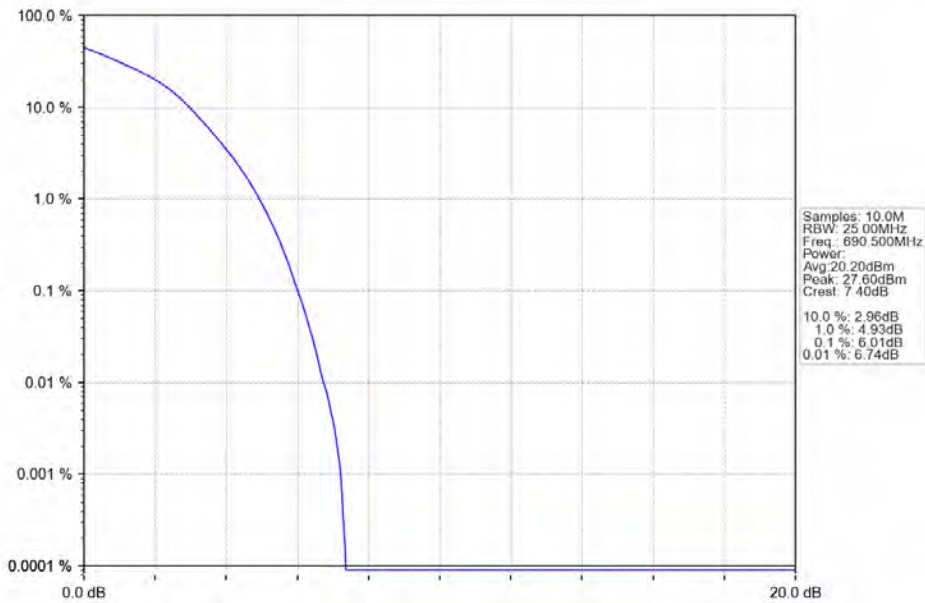
2024-08-29 15:11:59

Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTN



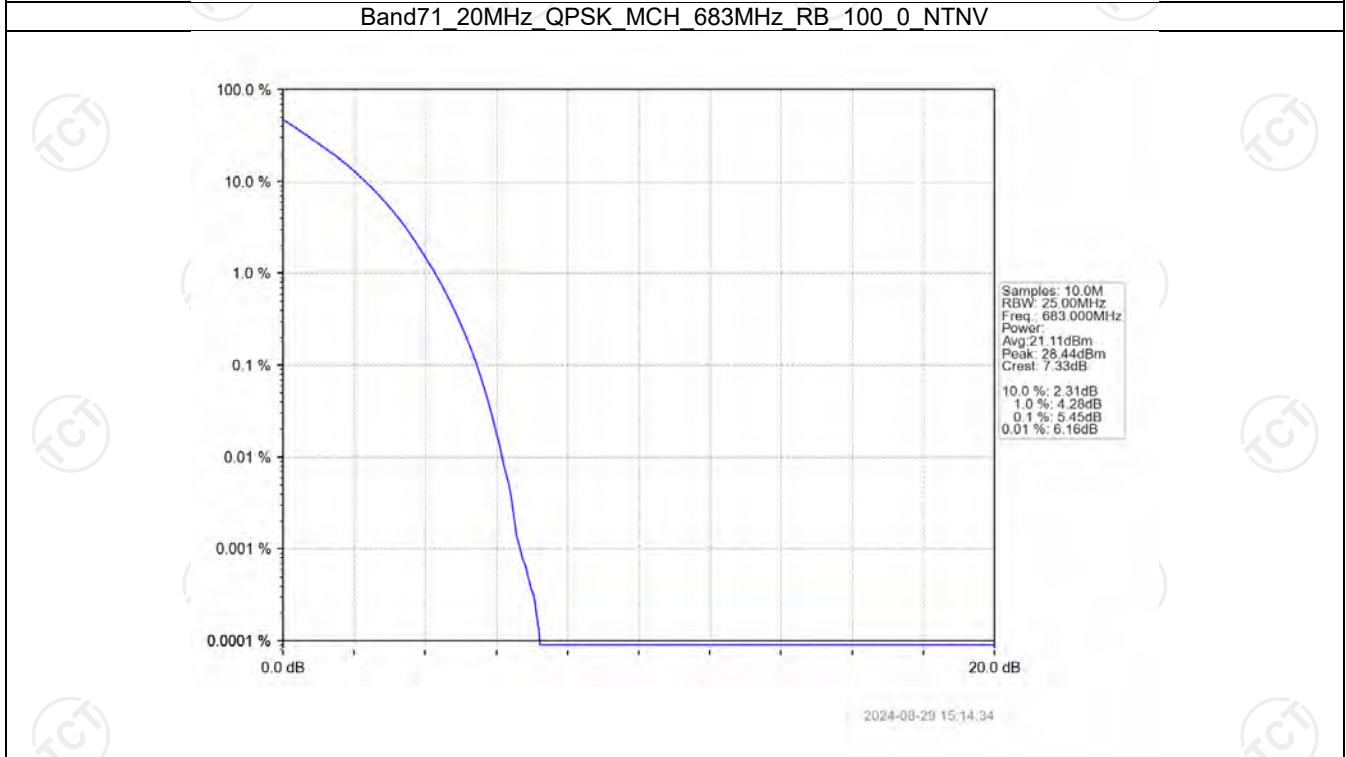
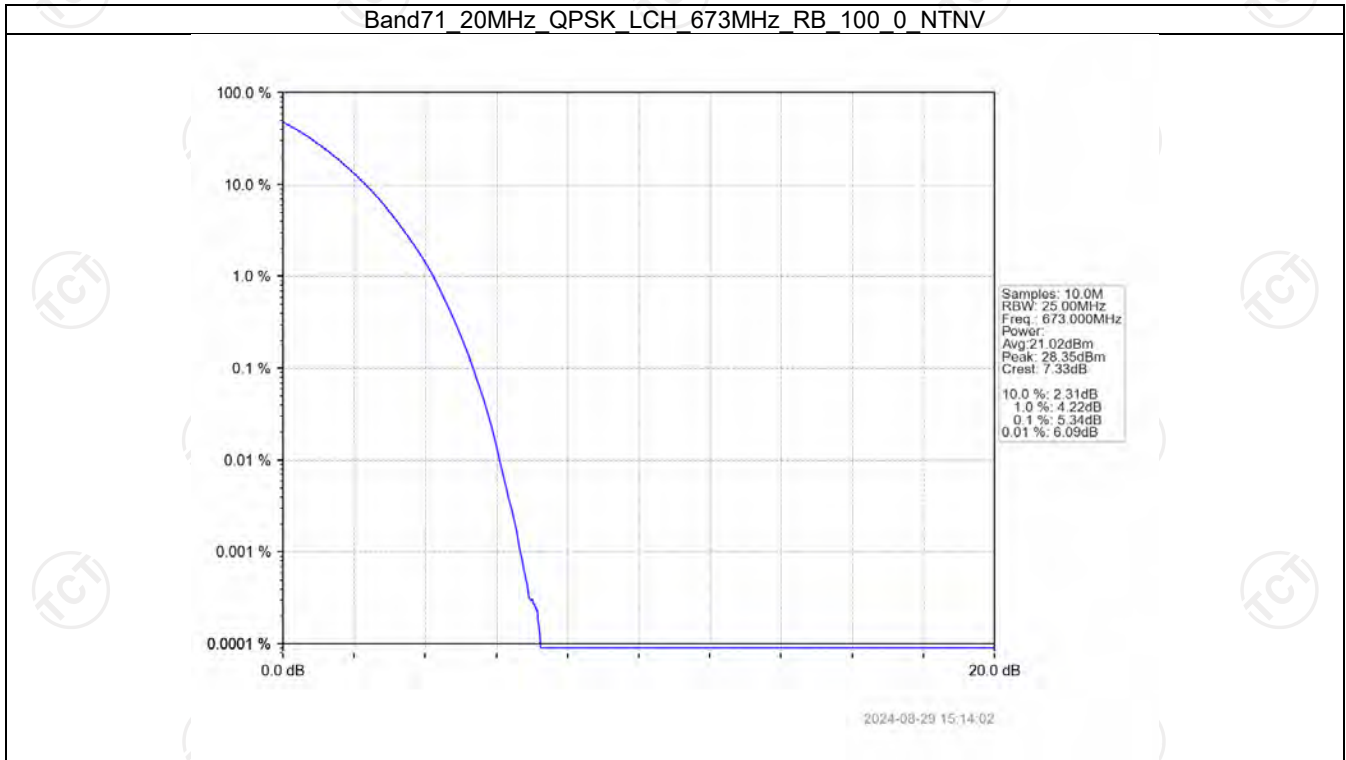
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Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTN

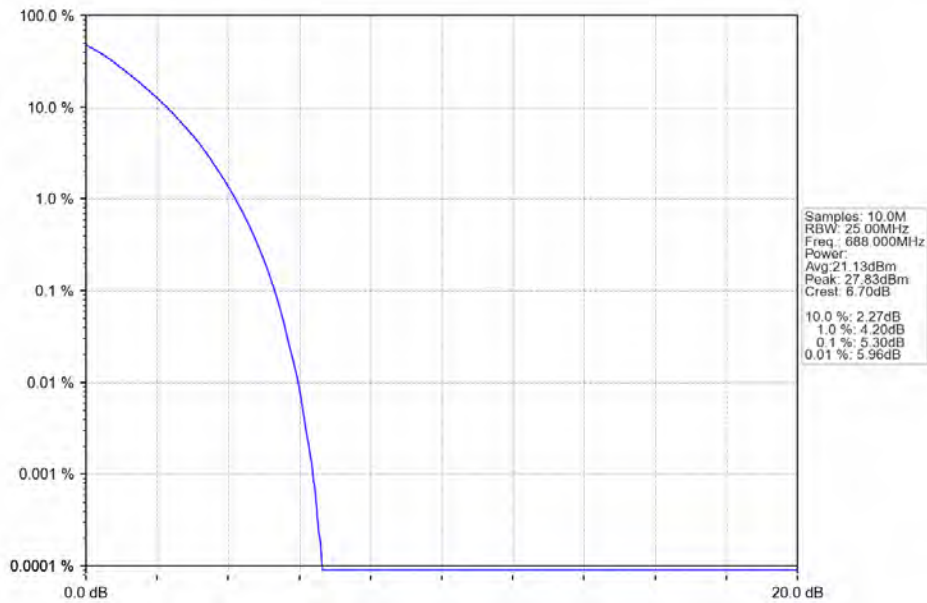


2024-08-29 15:13:01

5.2.4 B71_20MHz

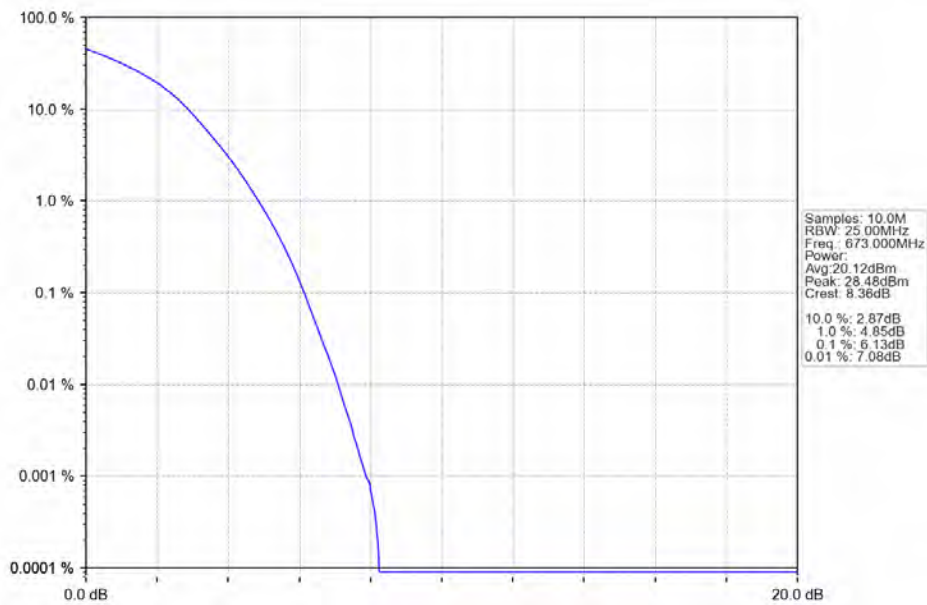


Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



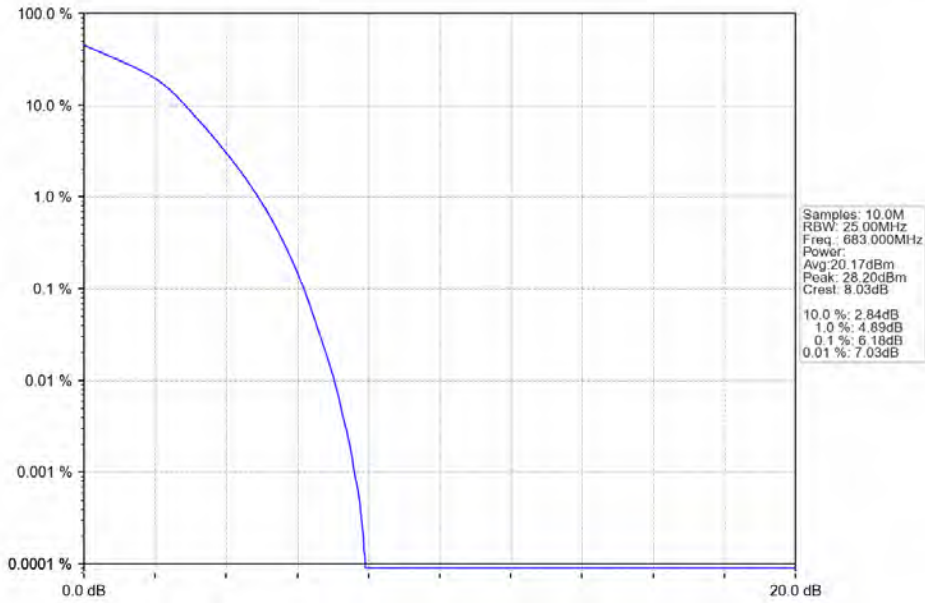
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Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



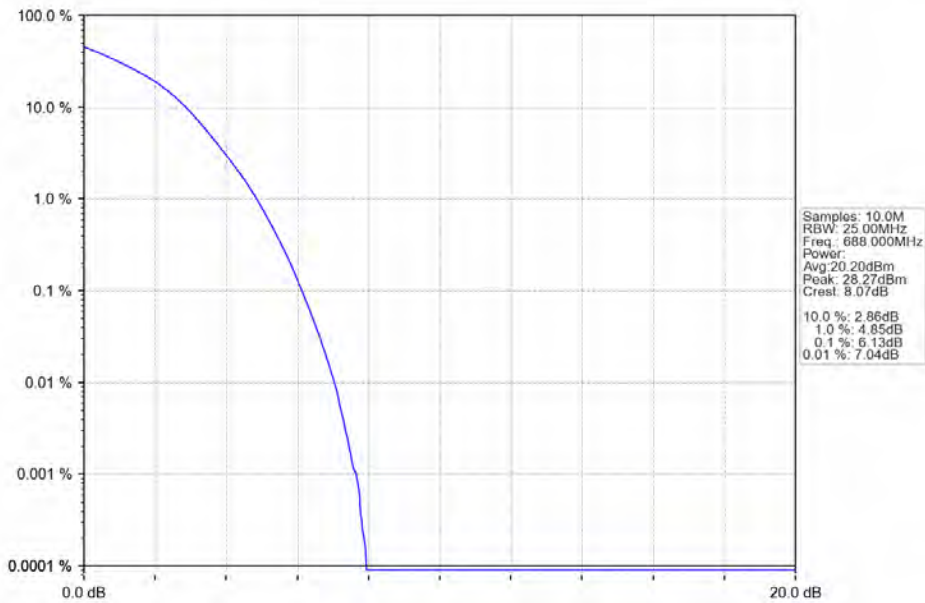
2024-08-29 15:14:16

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



2024-08-29 15:14:48

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



2024-08-29 15:15:20

6. Spurious Emission

6.1 Test Result

6.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	24		Refer To Test Graph		Pass	
	0		Refer To Test Graph		Pass	
	695.5	1	0	Refer To Test Graph		Pass
25		0	Refer To Test Graph		Pass	

6.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	49		Refer To Test Graph		Pass	
	0		Refer To Test Graph		Pass	
	0		Refer To Test Graph		Pass	
	693	1	0	Refer To Test Graph		Pass
50		0	Refer To Test Graph		Pass	

6.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass

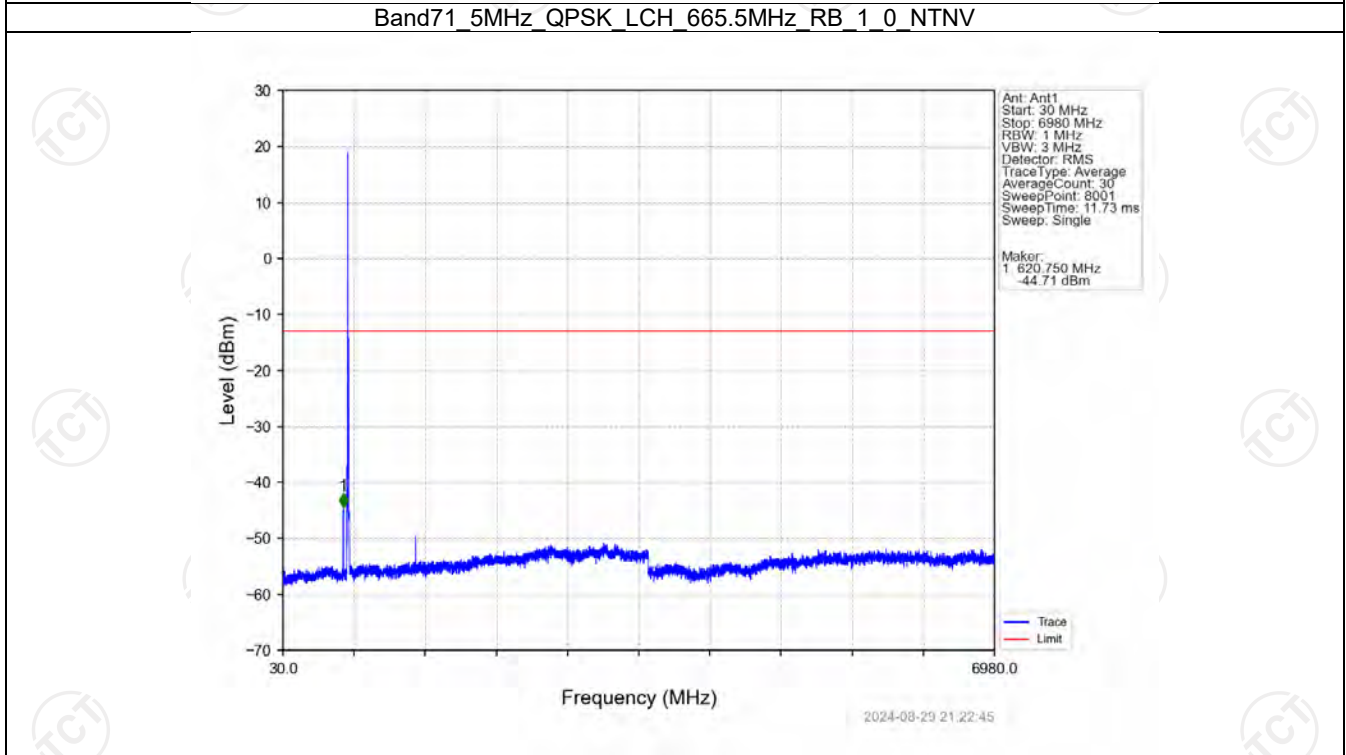
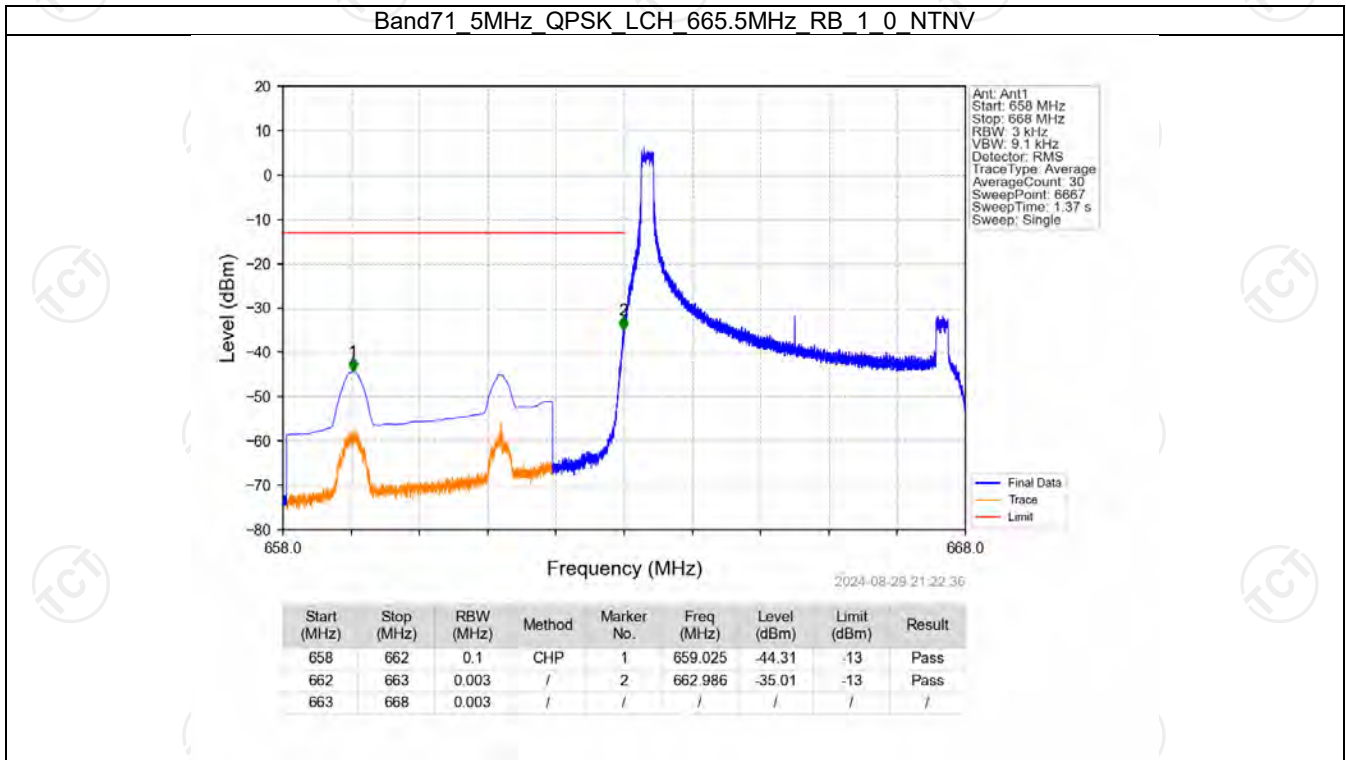
		75	0	Refer To Test Graph	Pass
	680.5	1	0	Refer To Test Graph	Pass
	690.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B71_20MHz

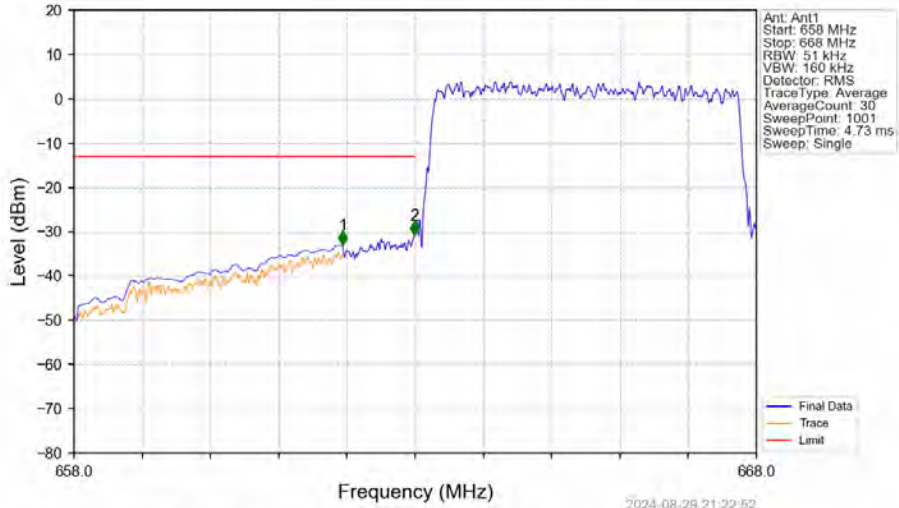
Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph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

6.2 Test Graph

6.2.1 B71_5MHz

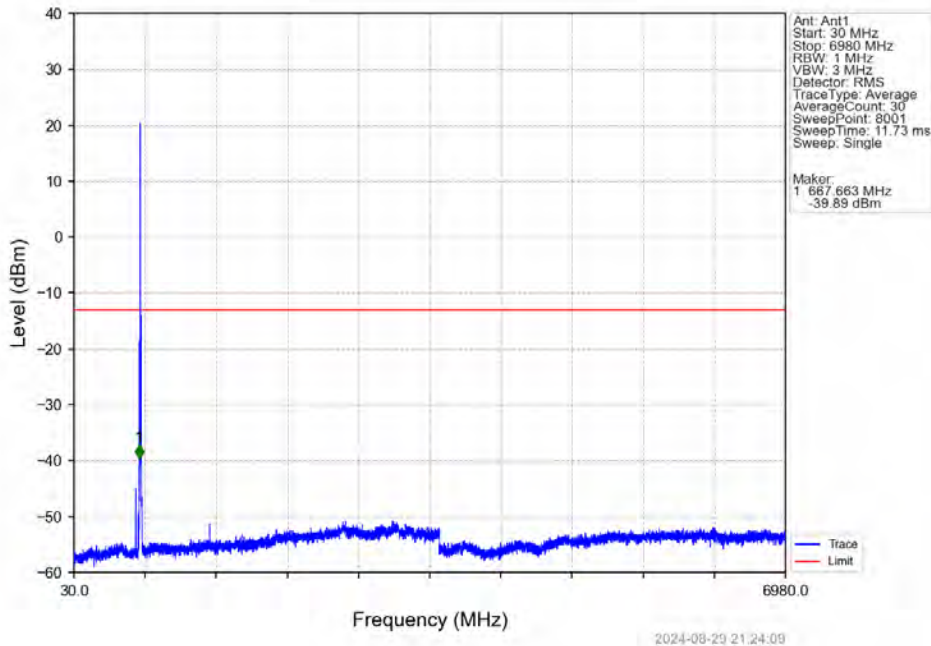


Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTN

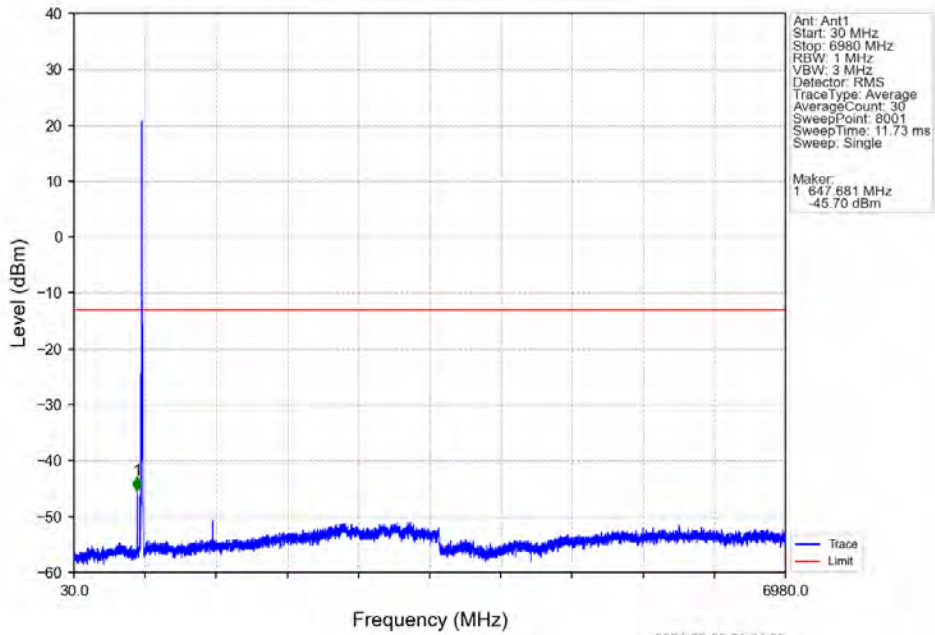


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-33.03	-13	Pass
662	663	0.051	/	2	662.990	-30.68	-13	Pass
663	668	0.051	/	/	/	/	/	/

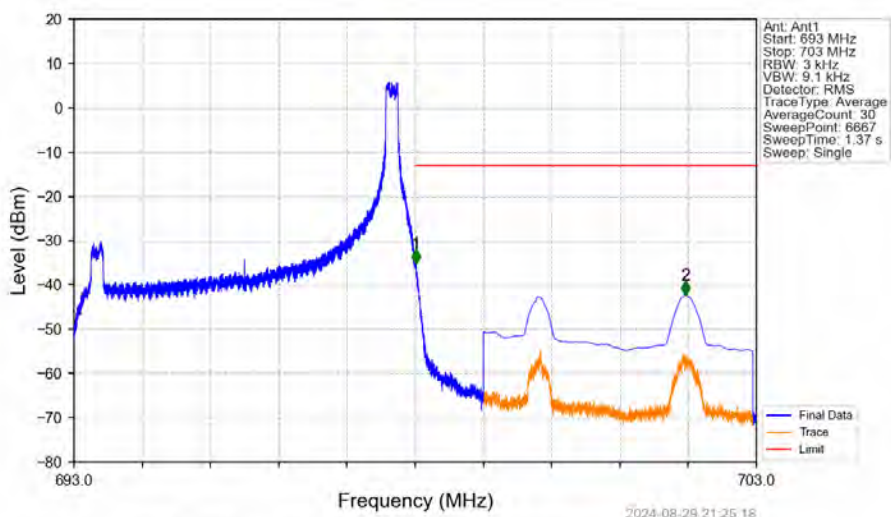
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN

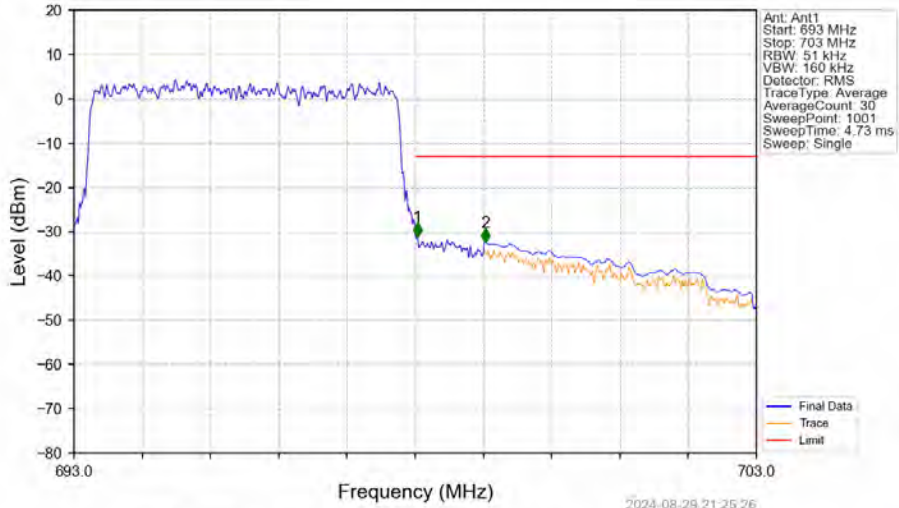


Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTN



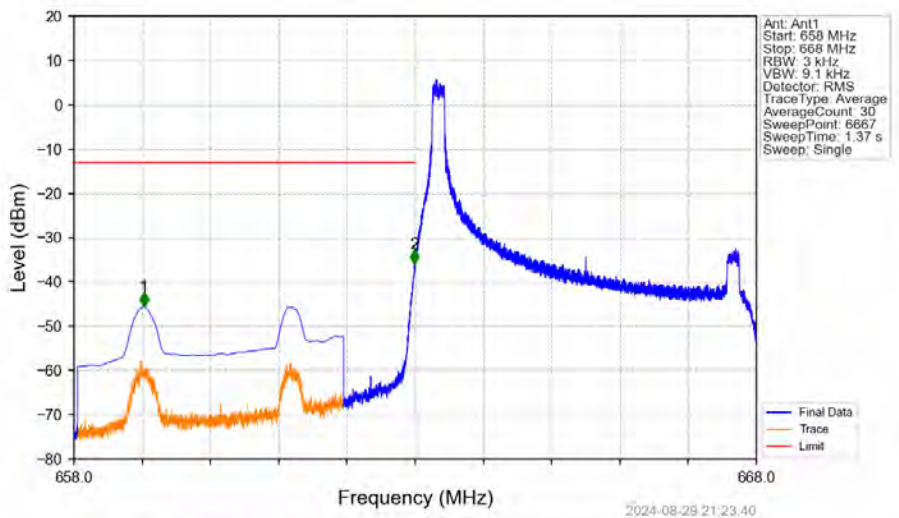
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.009	-35.06	-13	Pass
699	703	0.1	CHP	2	701.957	-42.27	-13	Pass

Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



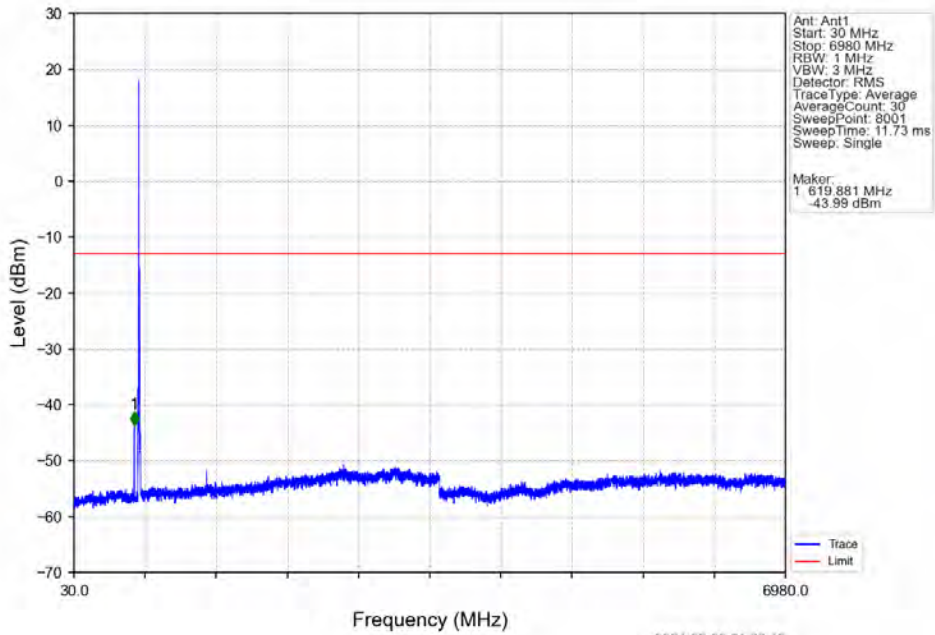
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.030	-31.11	-13	Pass
699	703	0.1	CHP	2	699.030	-32.46	-13	Pass

Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV

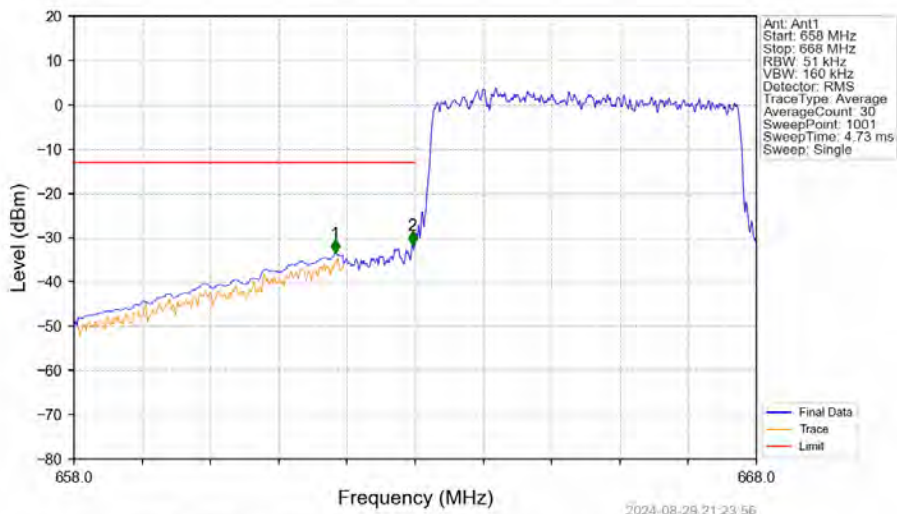


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.025	-45.52	-13	Pass
662	663	0.003	/	2	662.991	-35.95	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV

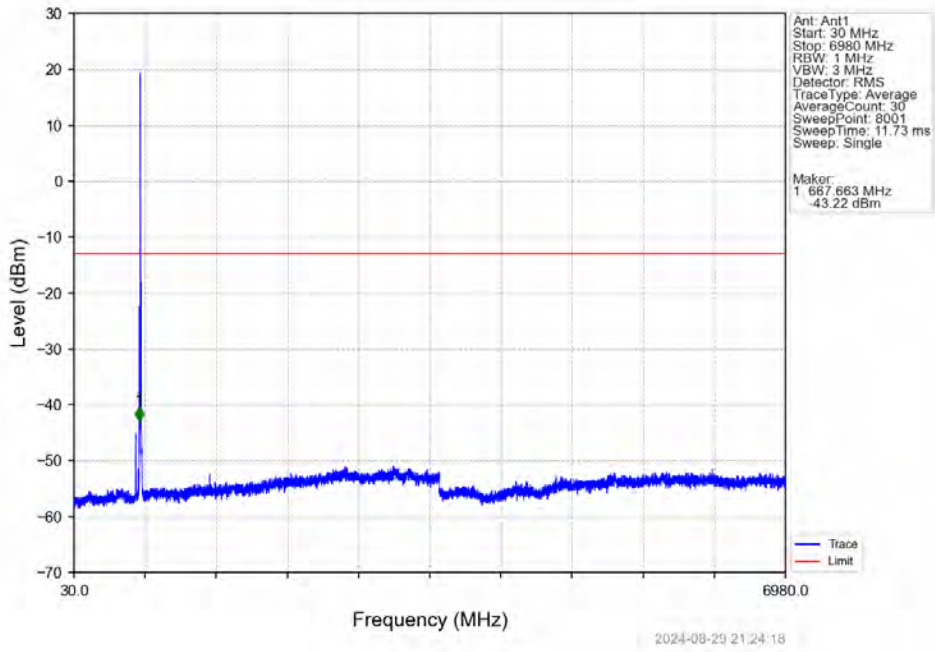


Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTV

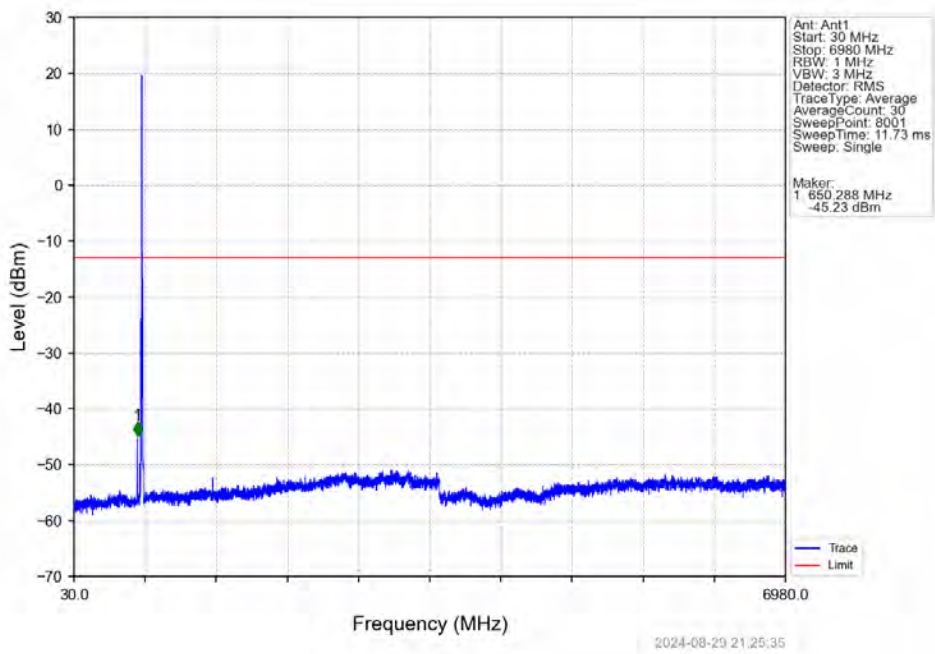


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.830	-33.54	-13	Pass
662	663	0.051	/	2	662.960	-31.61	-13	Pass
663	668	0.051	/	/	/	/	/	/

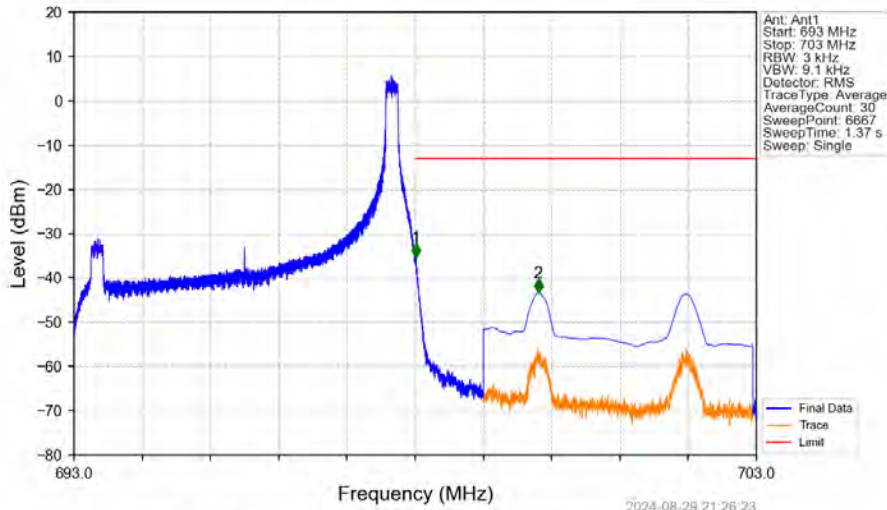
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTV



Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTV

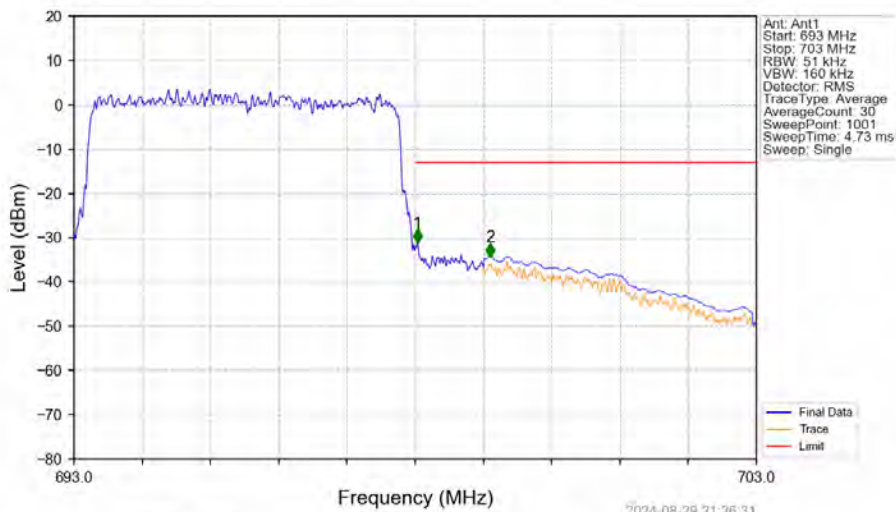


Band71 5MHz 16QAM HCH 695.5MHz RB 1 24 NTV



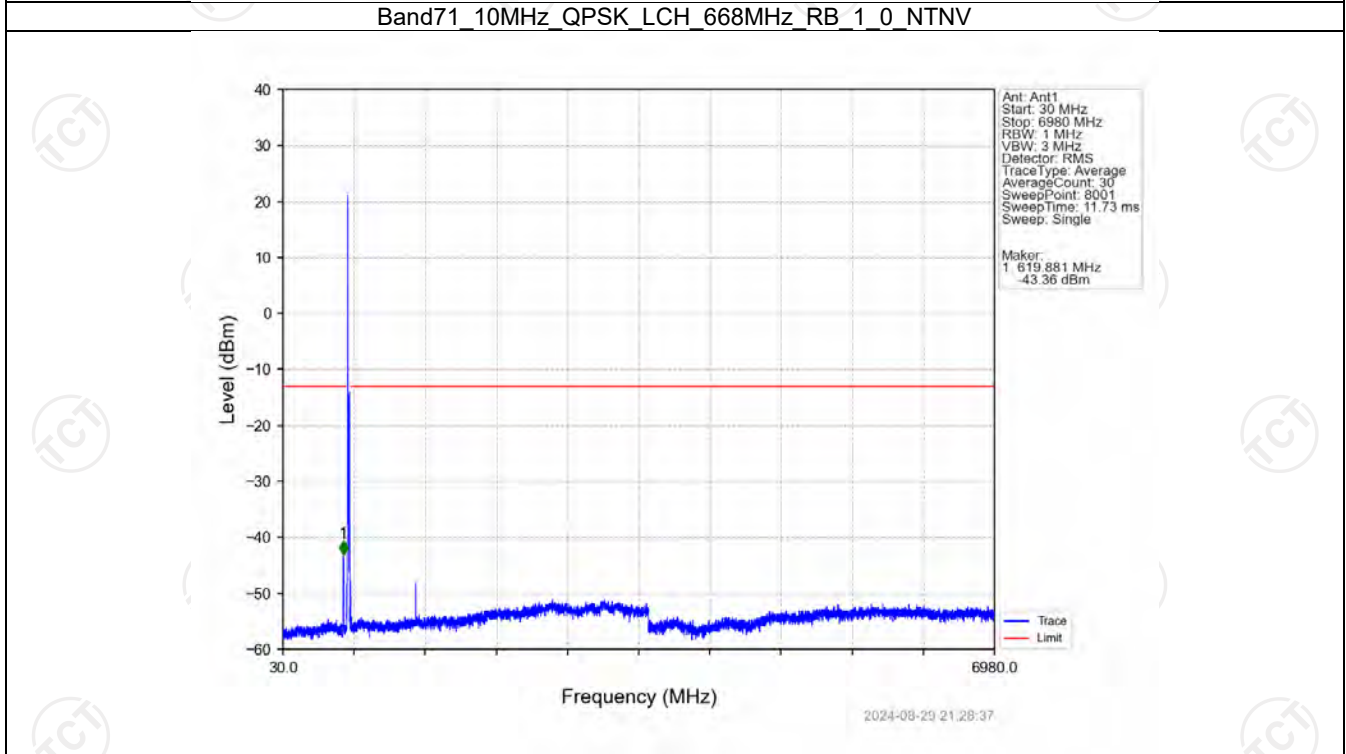
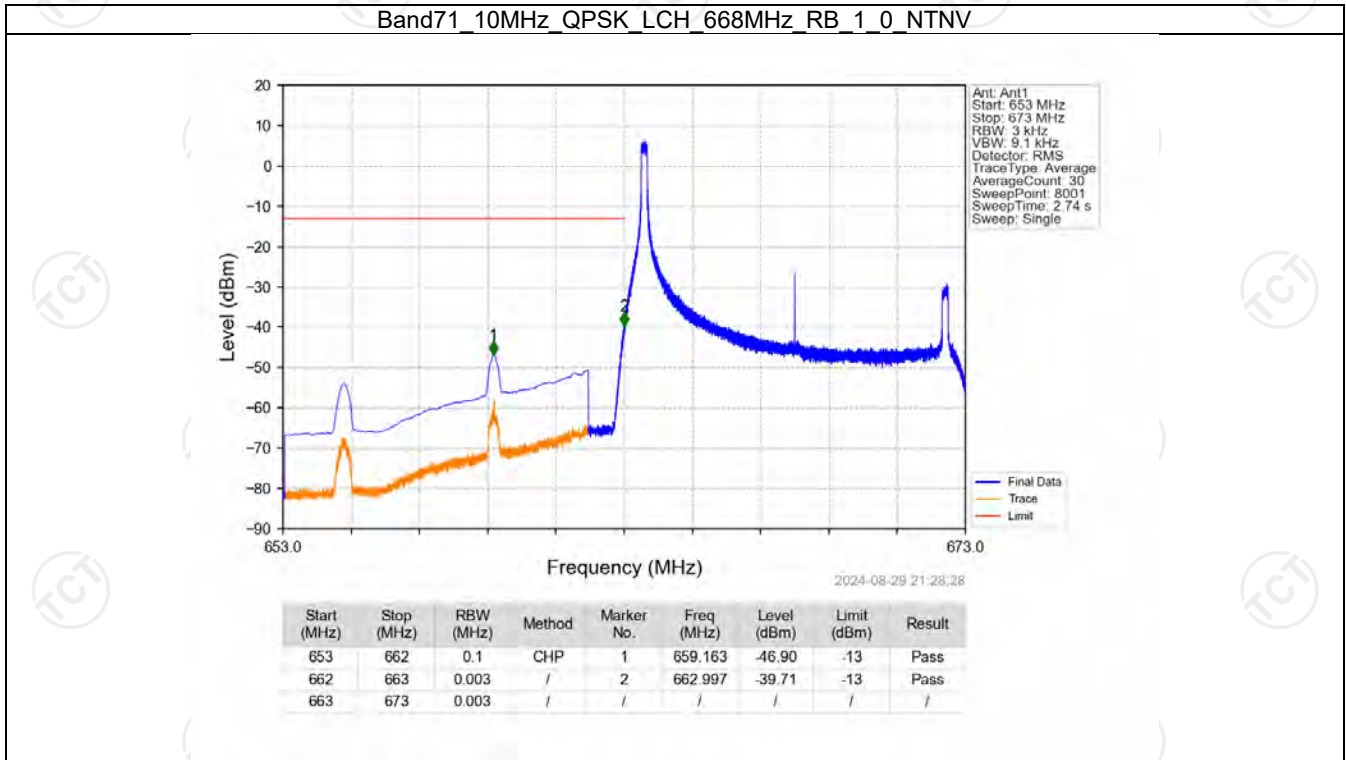
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.012	-35.31	-13	Pass
699	703	0.1	CHP	2	699.805	-43.33	-13	Pass

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

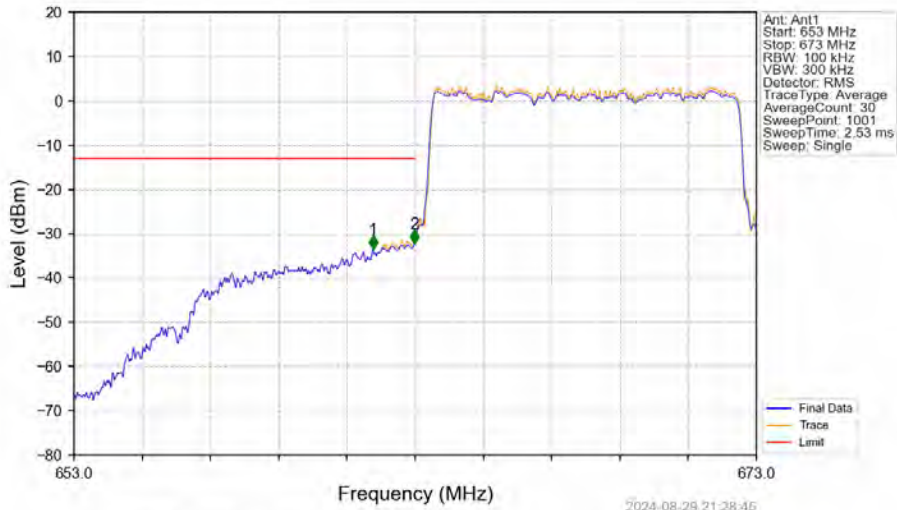


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.030	-31.06	-13	Pass
699	703	0.1	CHP	2	699.100	-34.32	-13	Pass

6.2.2 B71_10MHz

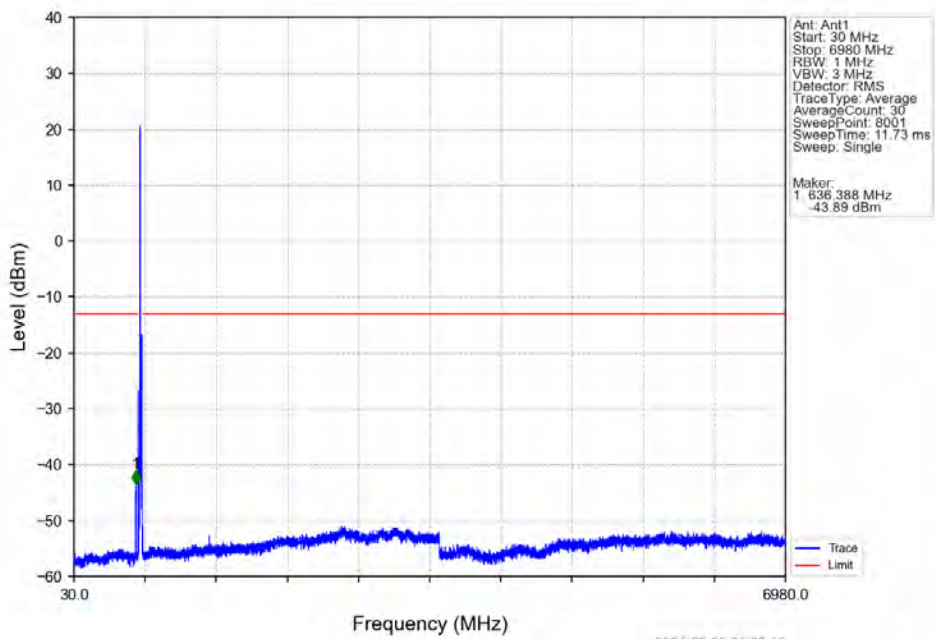


Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV

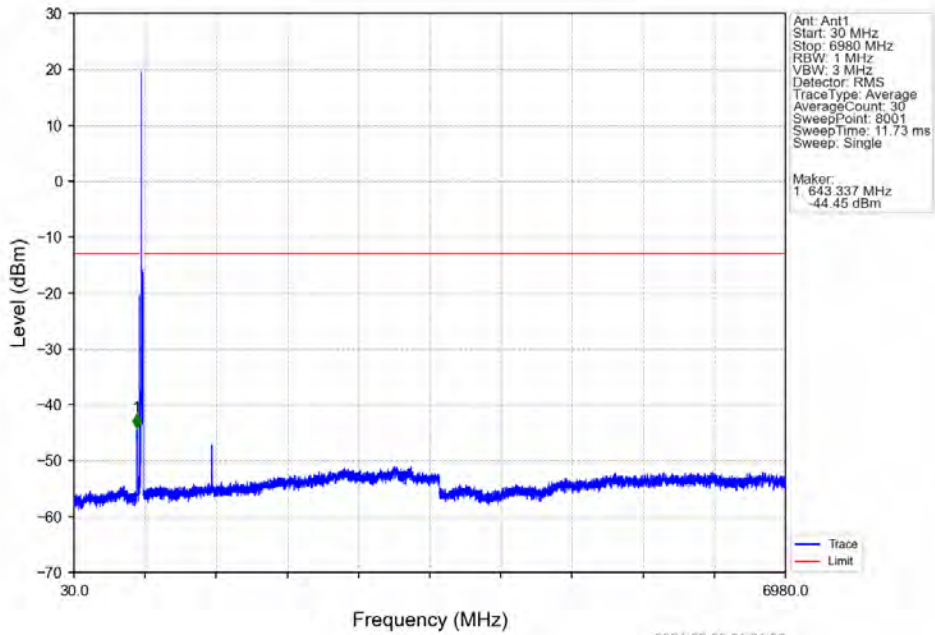


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.760	-33.47	-13	Pass
662	663	0.102	CHP	2	662.980	-32.17	-13	Pass
663	673	0.102	CHP	/	/	/	/	/

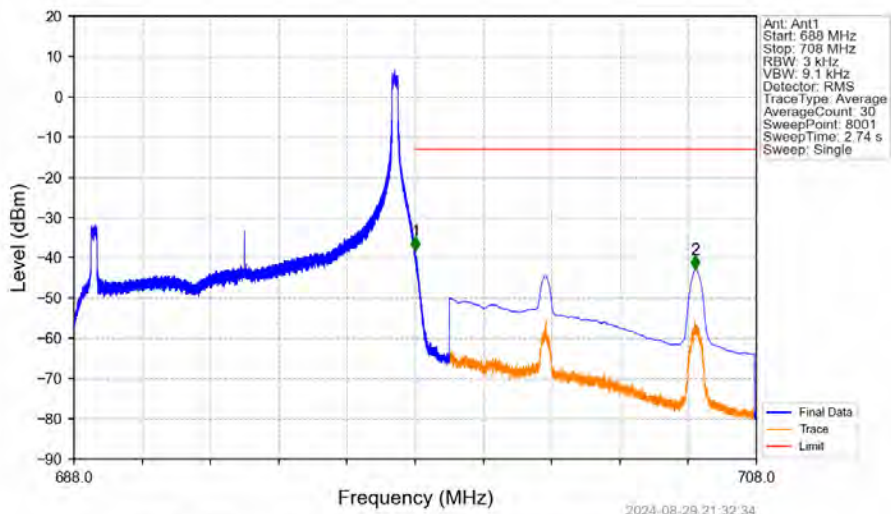
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



Band71 10MHz QPSK HCH 693MHz RB 1 0 NTV

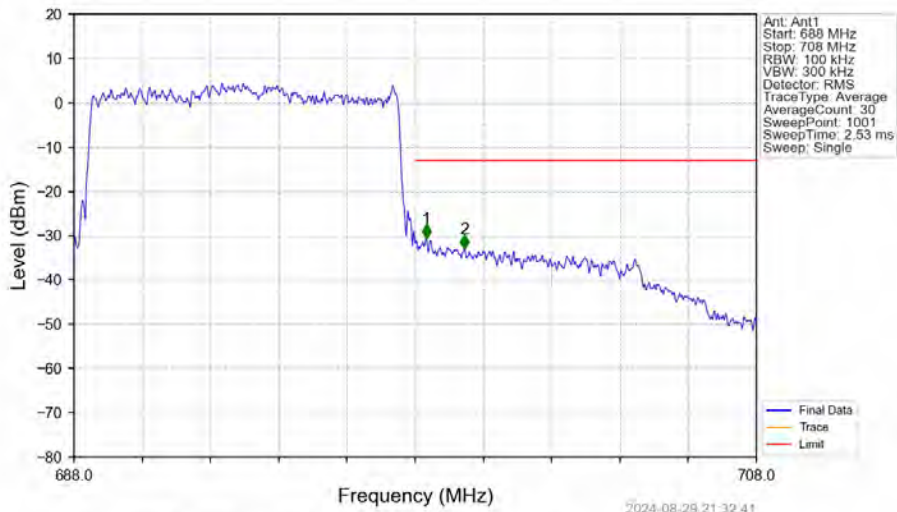


Band71 10MHz QPSK HCH 693MHz RB 1 49 NTV



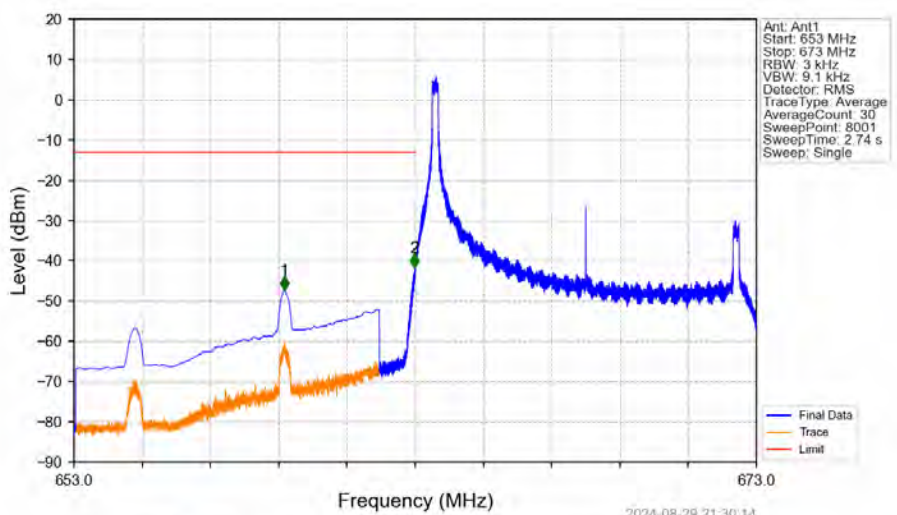
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.010	-38.32	-13	Pass
699	708	0.1	CHP	2	706.212	-42.89	-13	Pass

Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



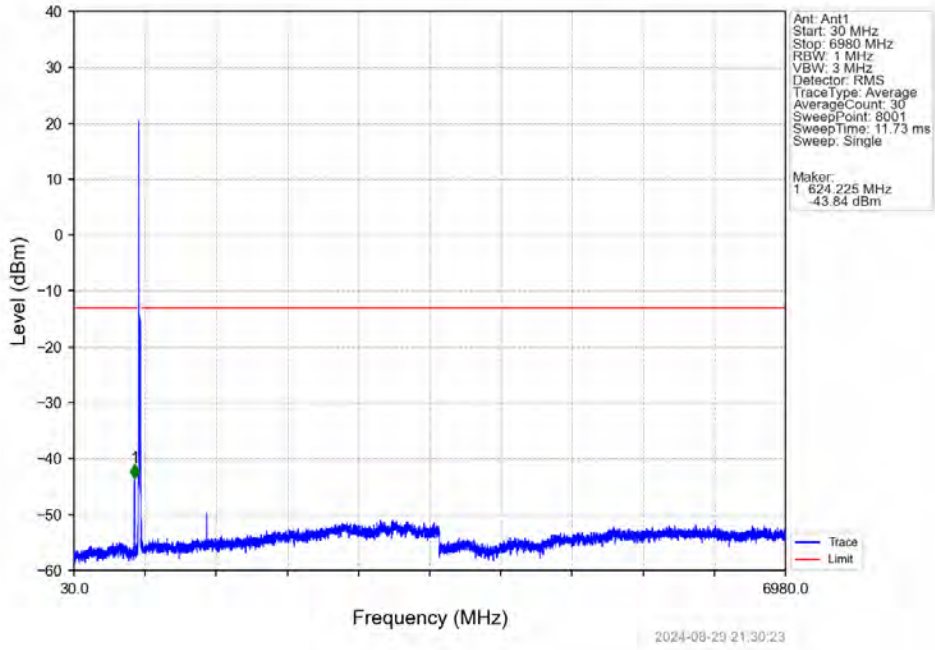
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	699	0.1	/	1	698.320	-30.51	-13	Pass
699	708	0.1	/	2	699.440	-33.03	-13	Pass

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

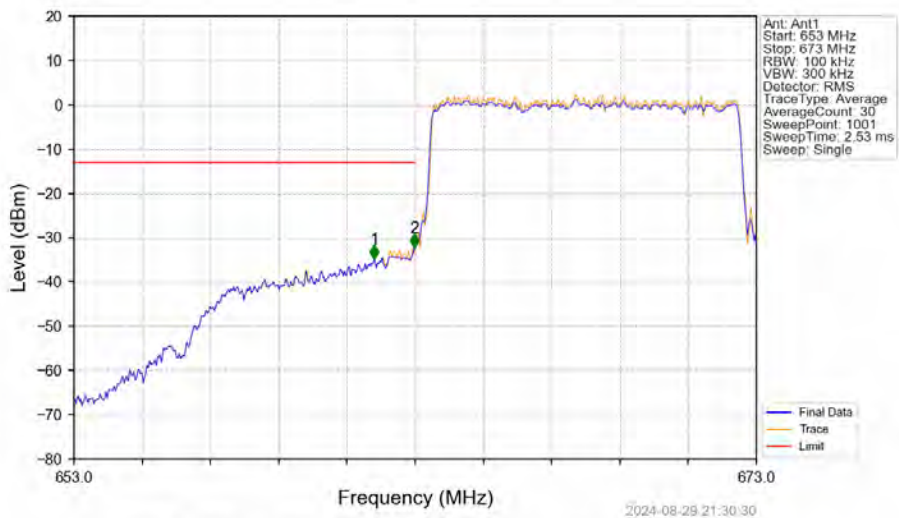


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	659.163	-47.33	-13	Pass
662	663	0.003	/	2	662.985	-41.65	-13	Pass
663	673	0.003	/	/	/	/	/	/

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

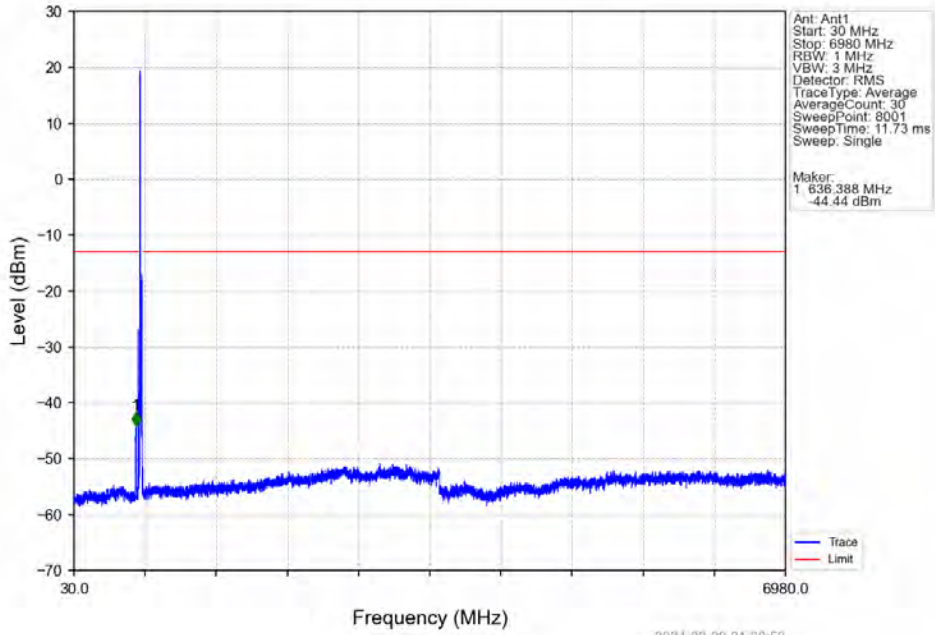


Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTV

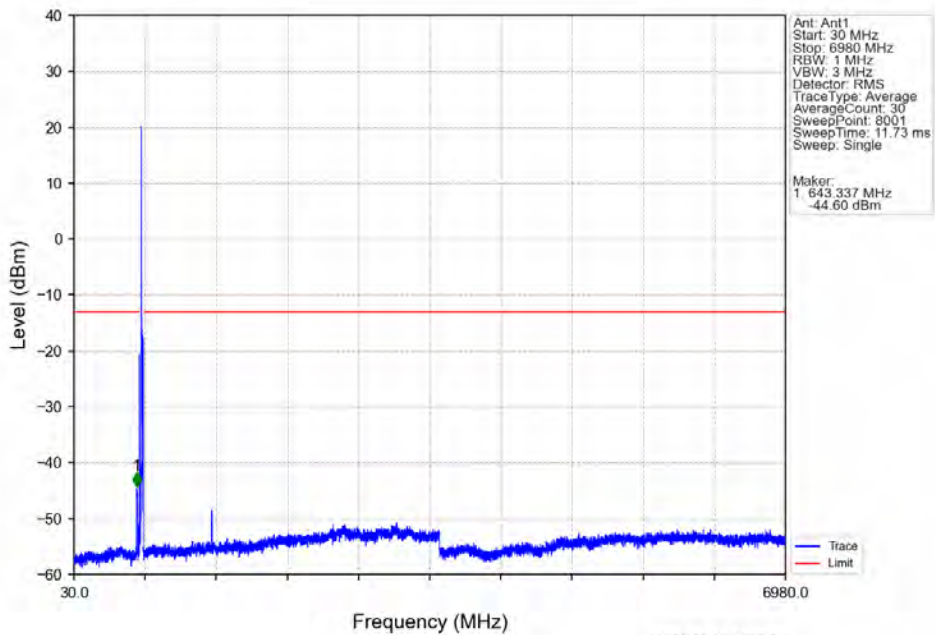


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.800	-34.69	-13	Pass
662	663	0.101	CHP	2	662.980	-32.18	-13	Pass
663	673	0.101	CHP	/	/	/	/	/

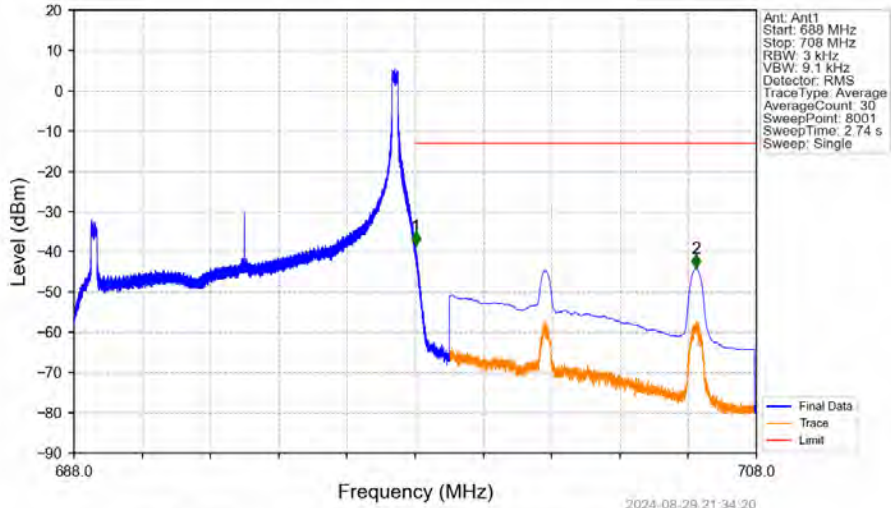
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTN



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

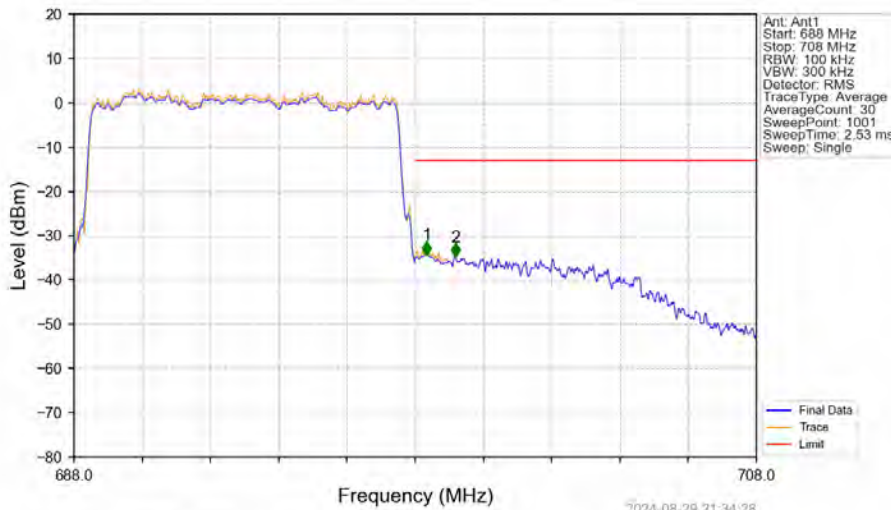


Band71 10MHz 16QAM HCH 693MHz RB 1 49 NTV



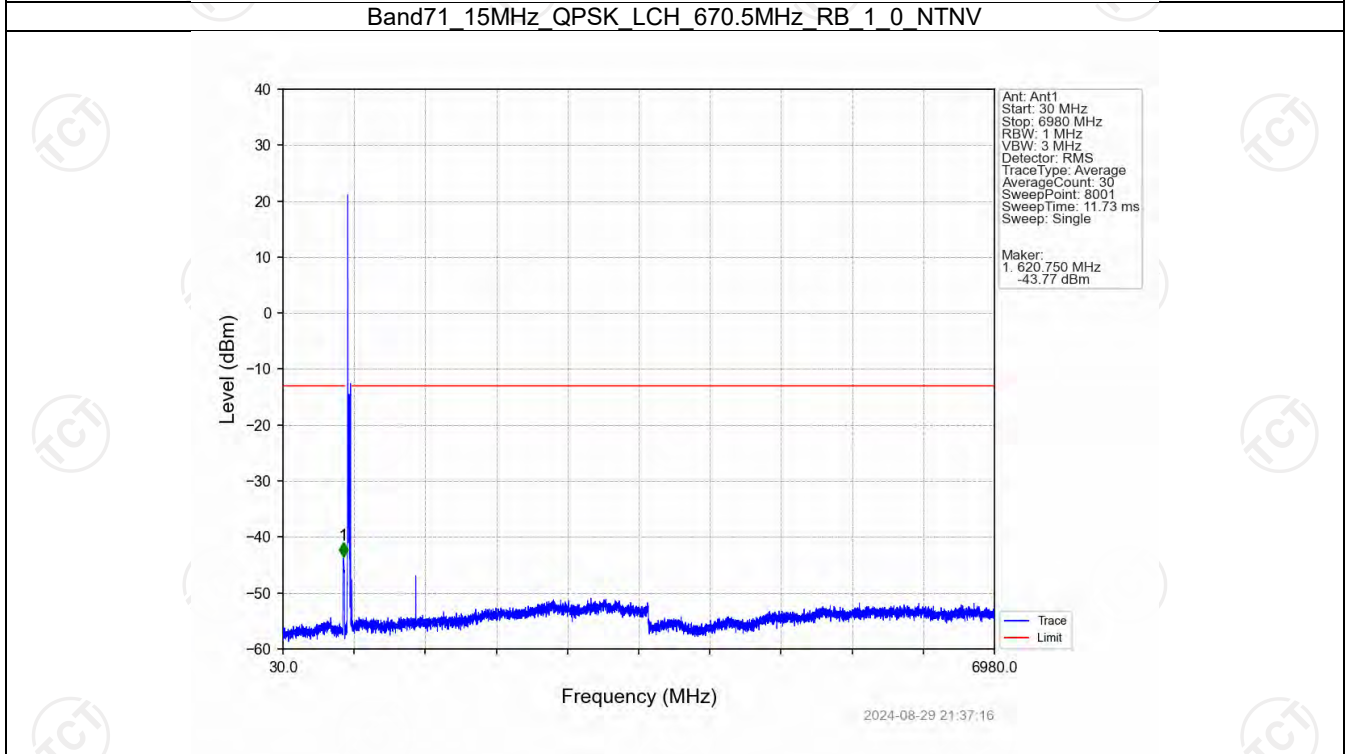
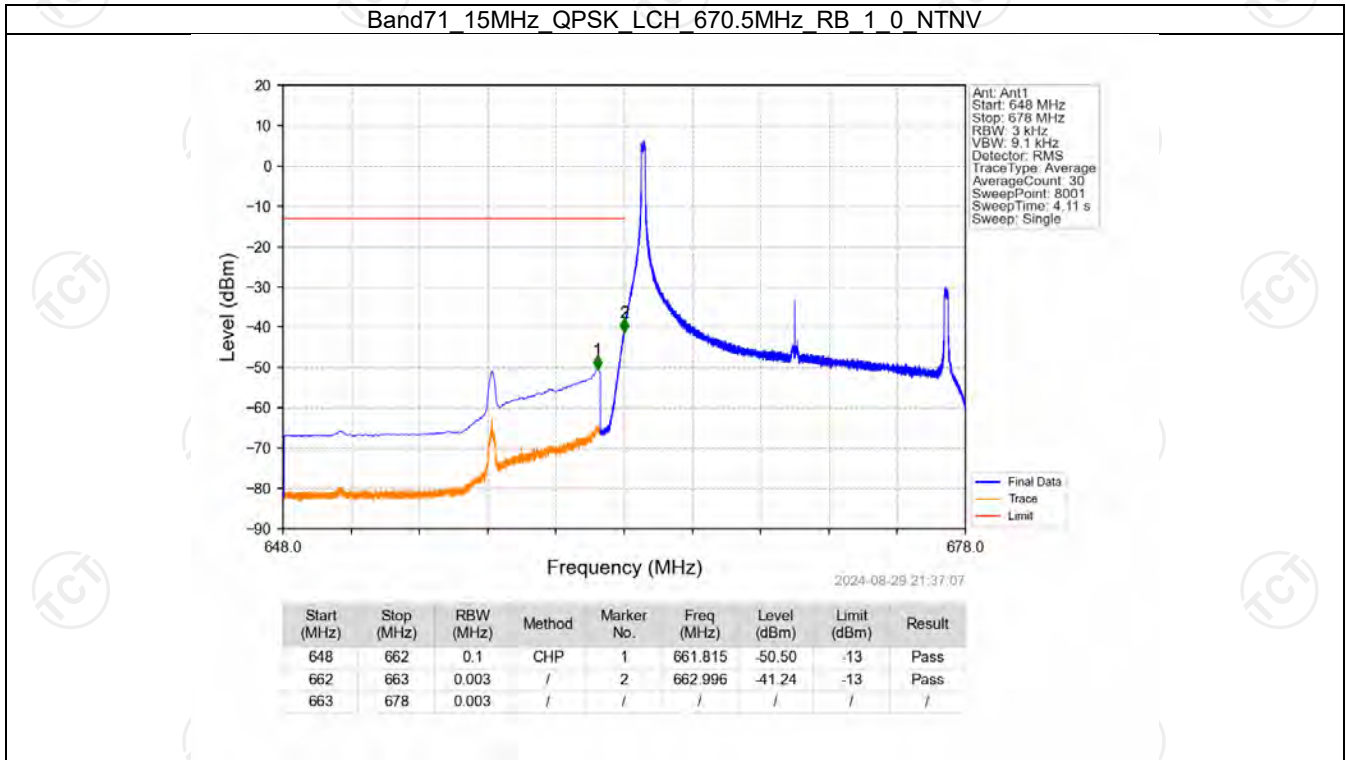
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.015	-38.37	-13	Pass
699	708	0.1	CHP	2	706.220	-44.07	-13	Pass

Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTV

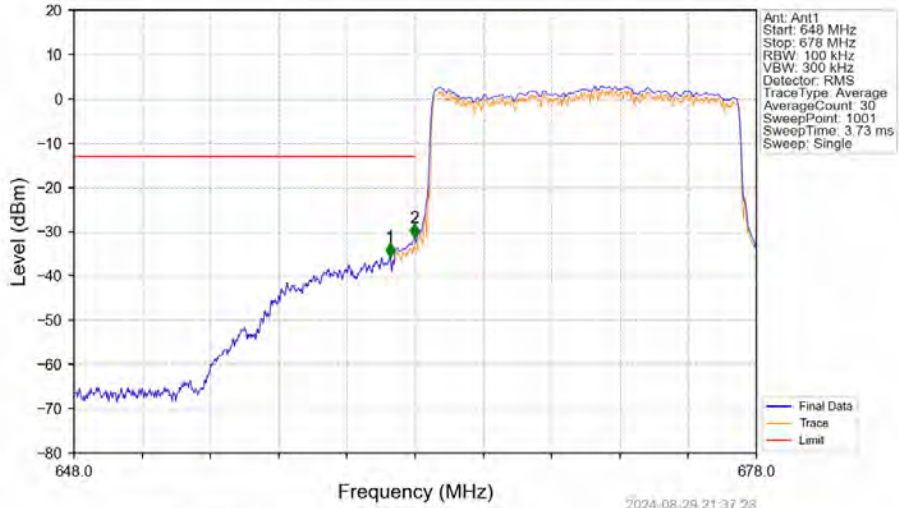


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.101	CHP	/	/	/	/	/
698	699	0.101	CHP	1	698.340	-34.32	-13	Pass
699	708	0.1	/	2	699.180	-34.72	-13	Pass

6.2.3 B71_15MHz

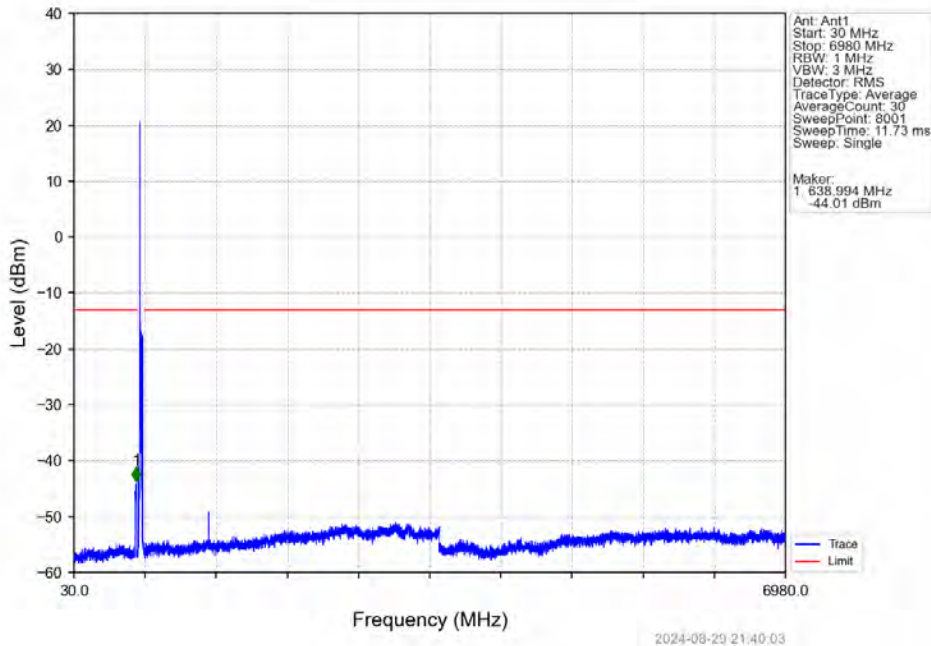


Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV

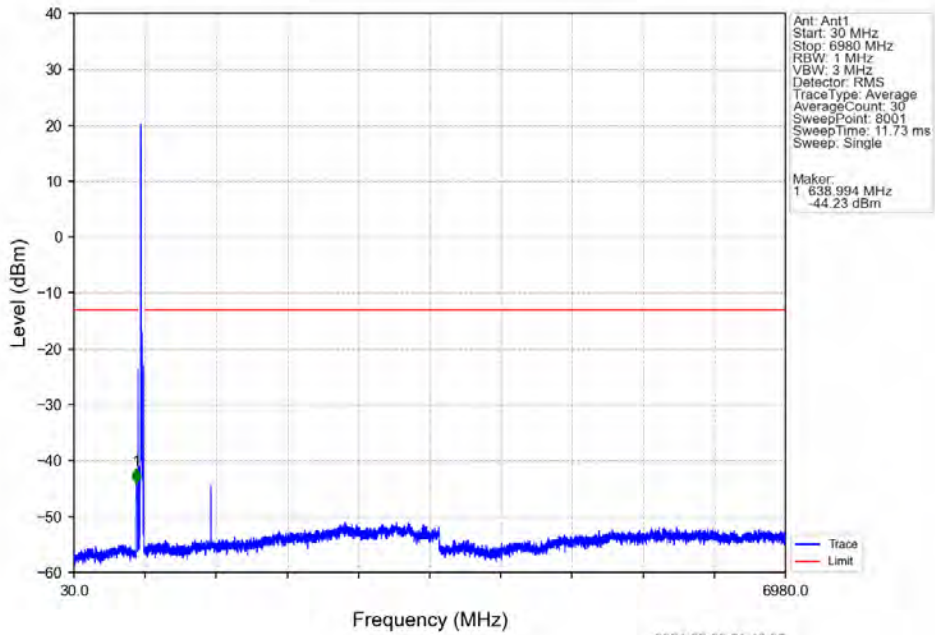


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.890	-35.72	-13	Pass
662	663	0.152	CHP	2	662.970	-31.30	-13	Pass
663	678	0.152	CHP	/	/	/	/	/

Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTV

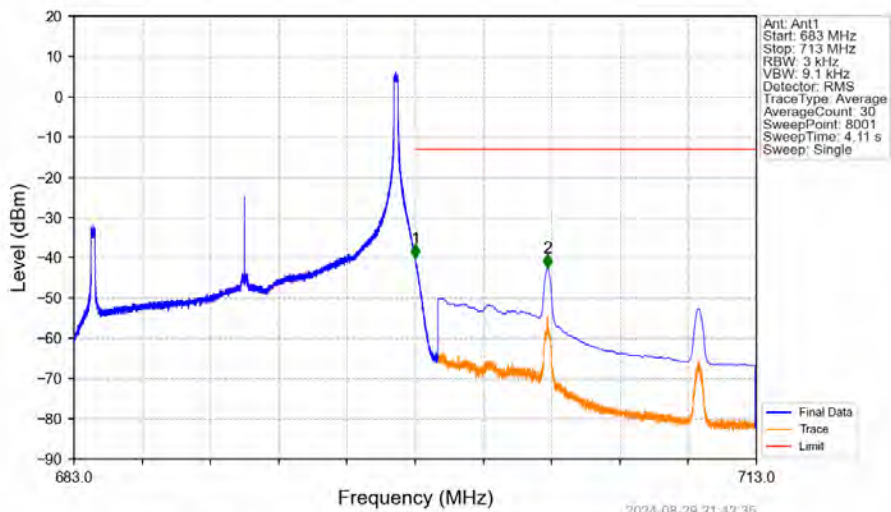


Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTV



2024-08-29 21:40:25

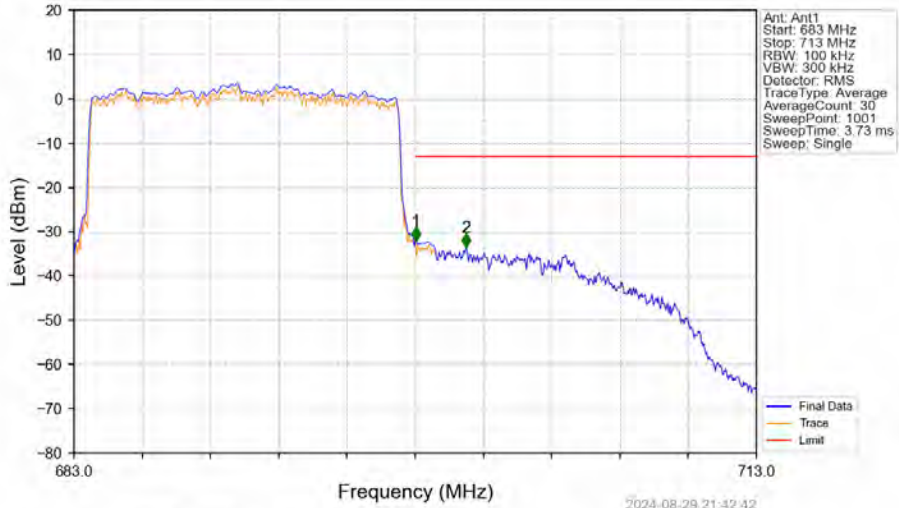
Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



2024-08-29 21:42:35

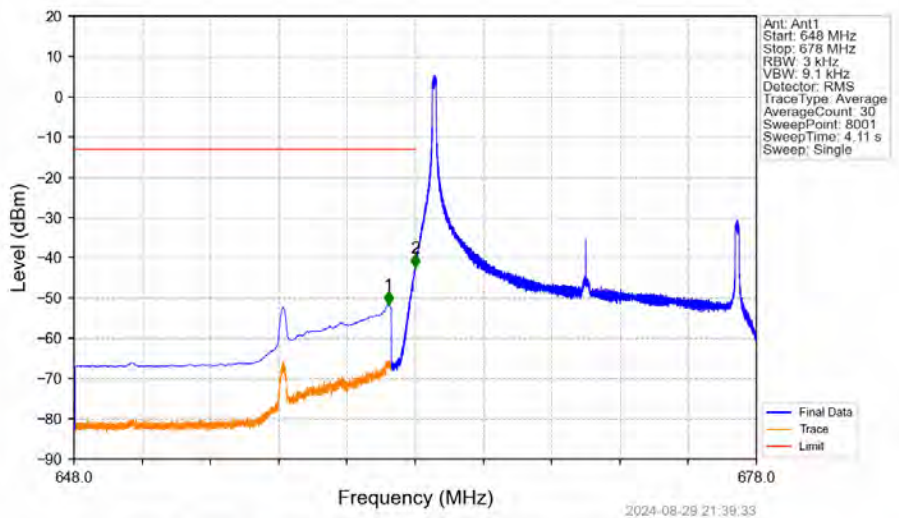
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.004	-39.99	-13	Pass
699	713	0.1	CHP	2	703.805	-42.52	-13	Pass

Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



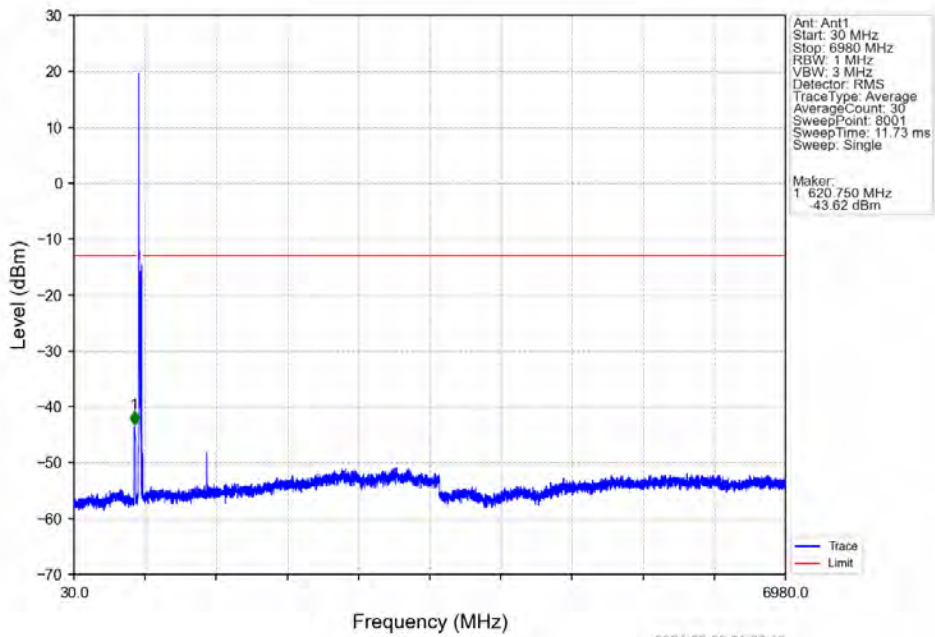
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.152	CHP	/	/	/	/	/
698	699	0.152	CHP	1	698.030	-31.96	-13	Pass
699	713	0.1	/	2	700.250	-33.49	-13	Pass

Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTV



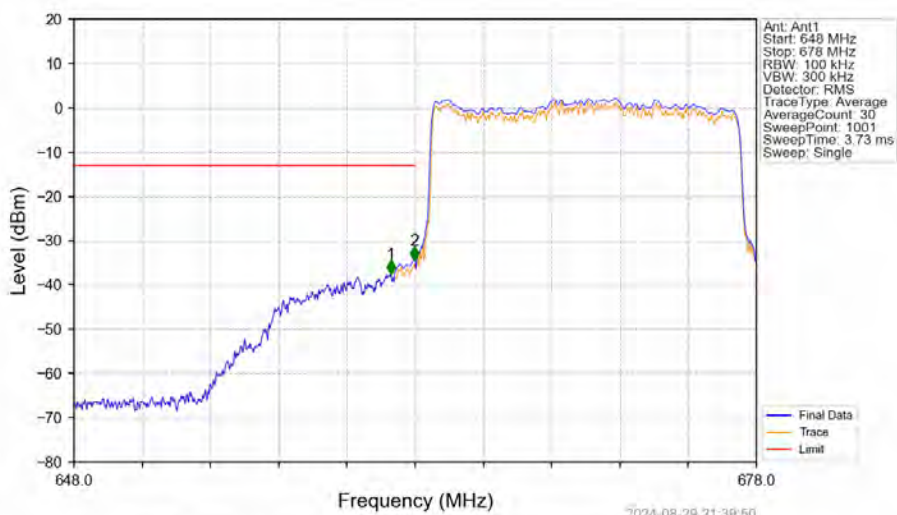
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.822	-51.70	-13	Pass
662	663	0.003	/	2	662.992	-42.46	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTV



2024-08-29 21:39:43

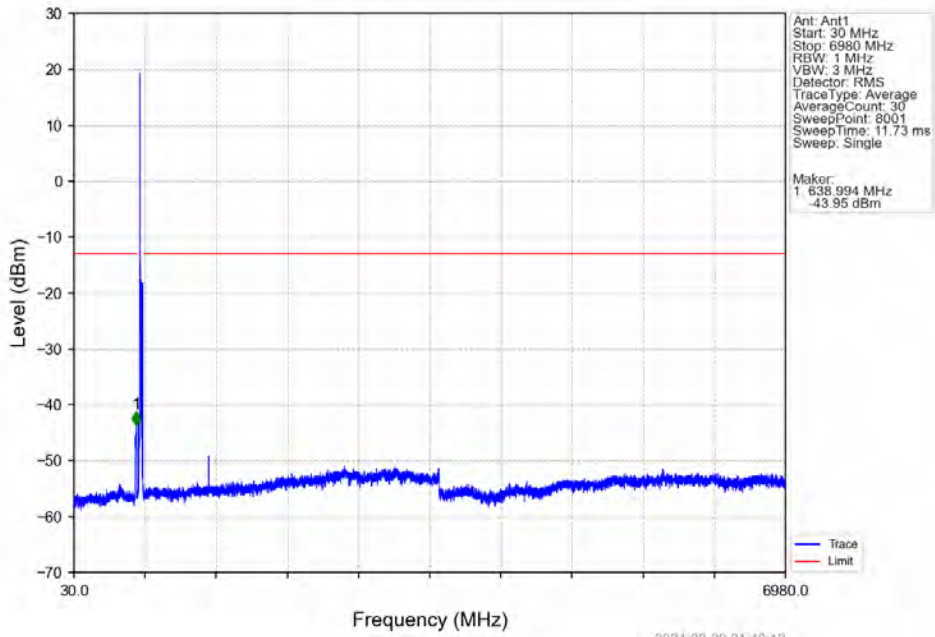
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



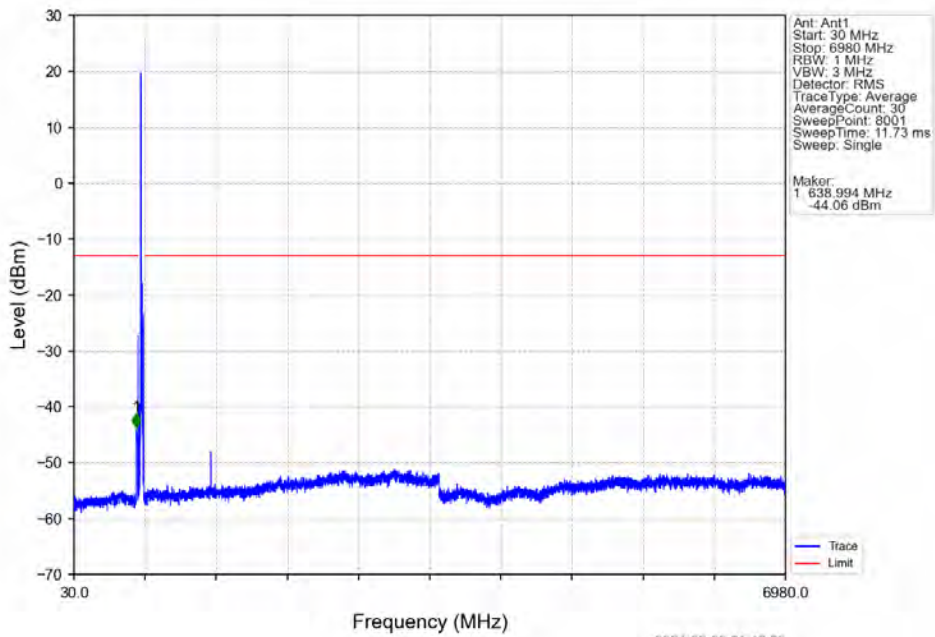
2024-08-29 21:39:50

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.920	-37.42	-13	Pass
662	663	0.153	CHP	2	662.970	-34.47	-13	Pass
663	678	0.153	CHP	/	/	/	/	/

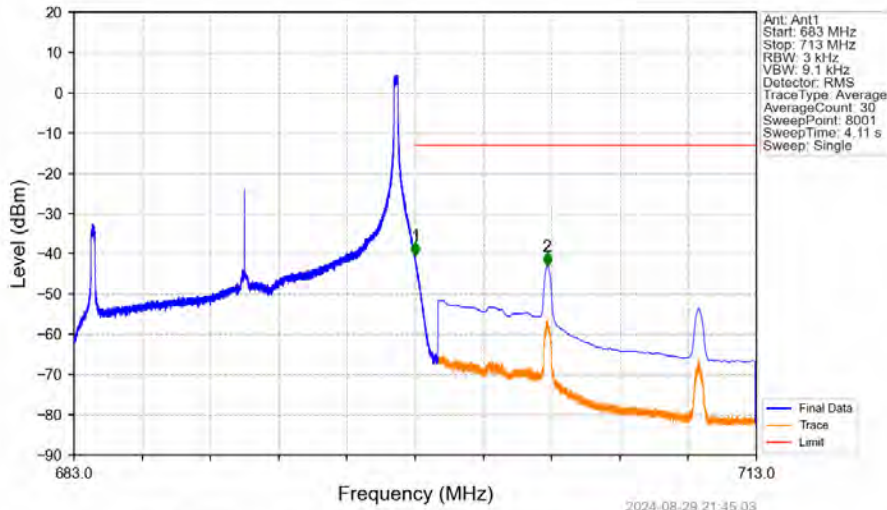
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTV



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

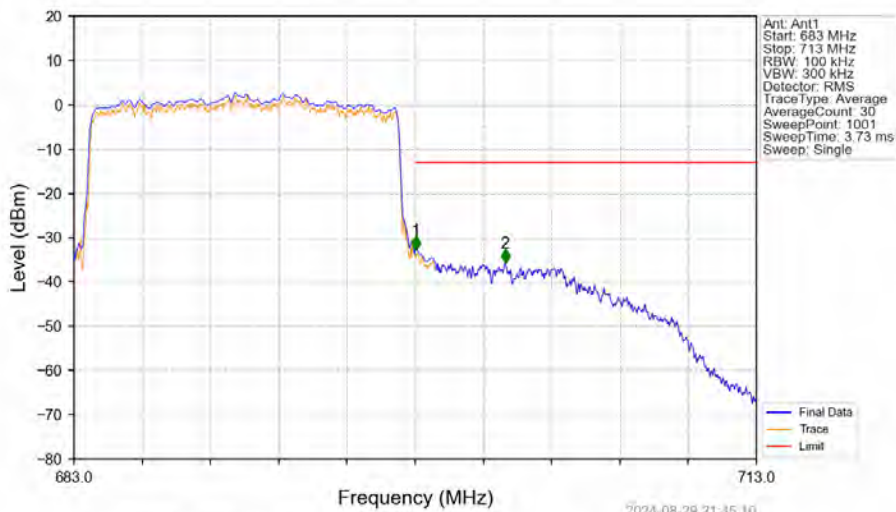


Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTN



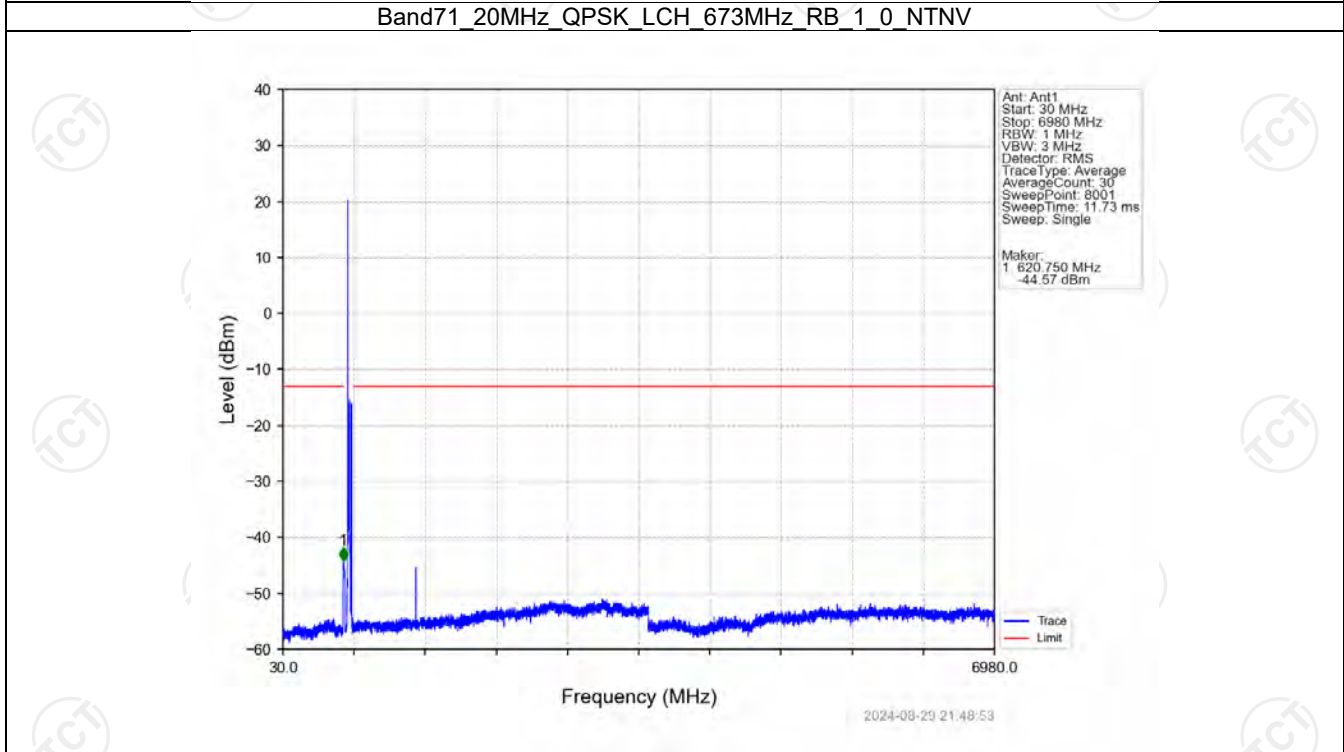
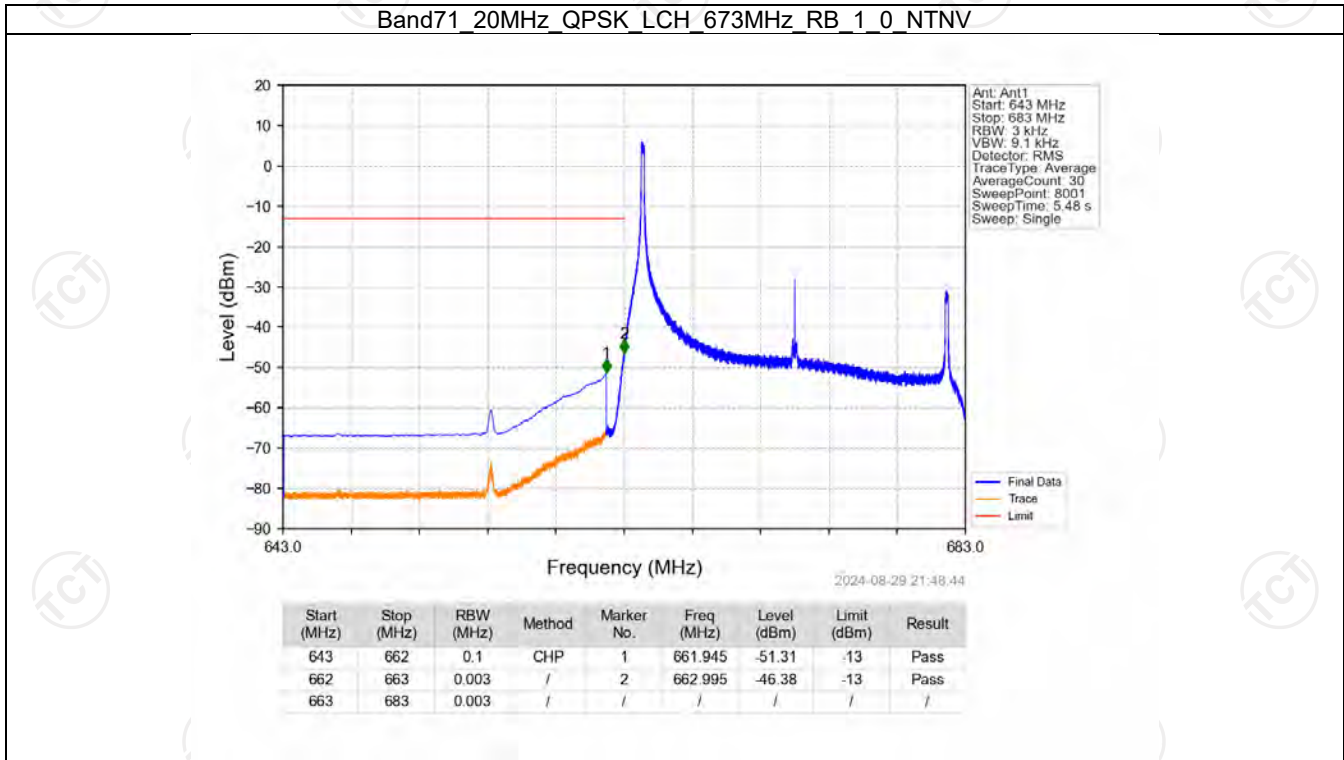
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.004	-40.43	-13	Pass
699	713	0.1	CHP	2	703.801	-43.00	-13	Pass

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

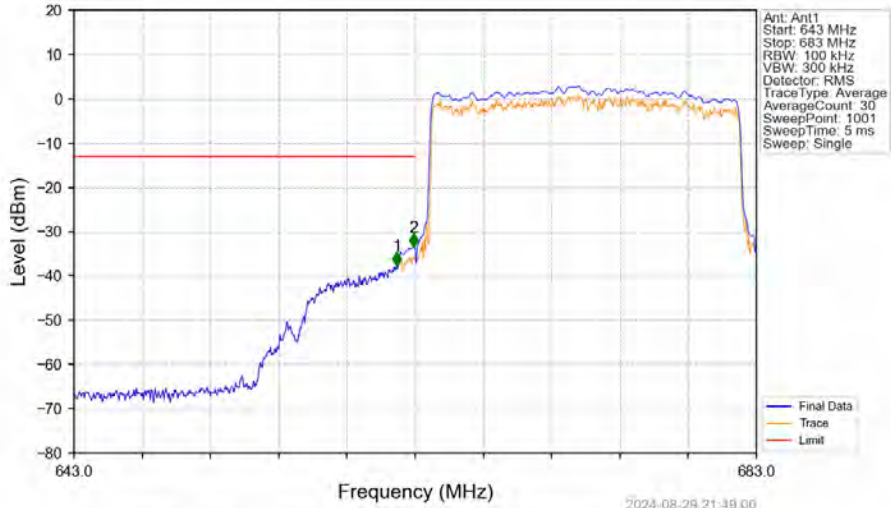


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.151	CHP	/	/	/	/	/
698	699	0.151	CHP	1	698.030	-32.73	-13	Pass
699	713	0.1	/	2	701.960	-35.75	-13	Pass

6.2.4 B71_20MHz

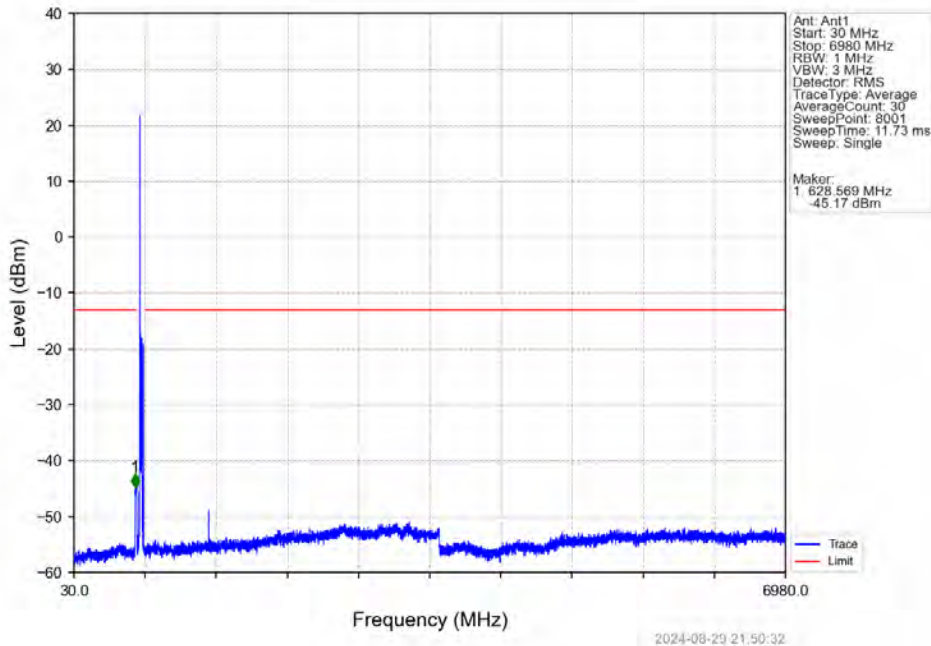


Band71 20MHz QPSK LCH 673MHz RB 100 0 NTN

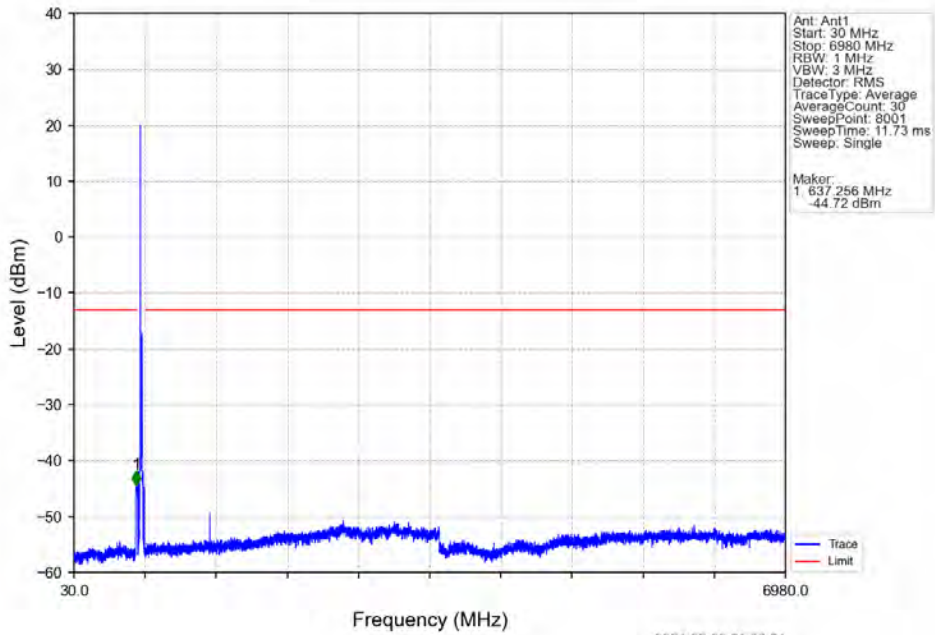


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.920	-37.65	-13	Pass
662	663	0.201	CHP	2	662.920	-33.49	-13	Pass
663	683	0.201	CHP	/	/	/	/	/

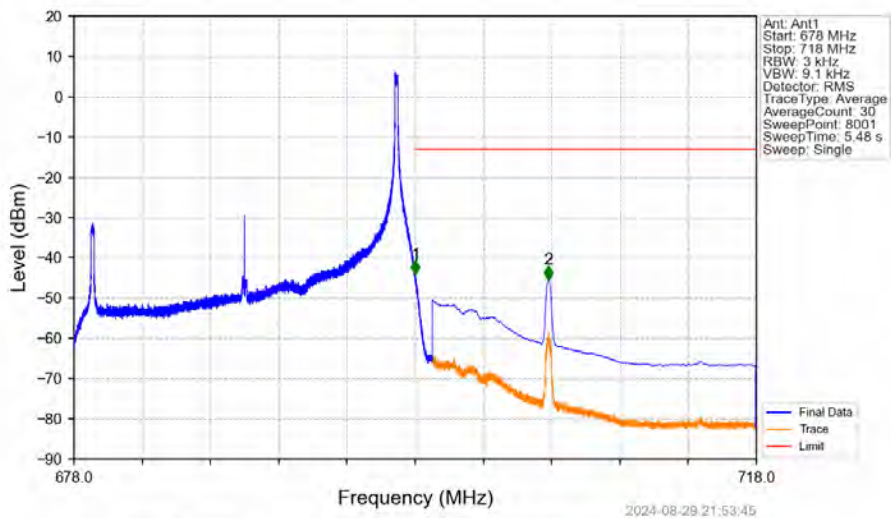
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTN



Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV

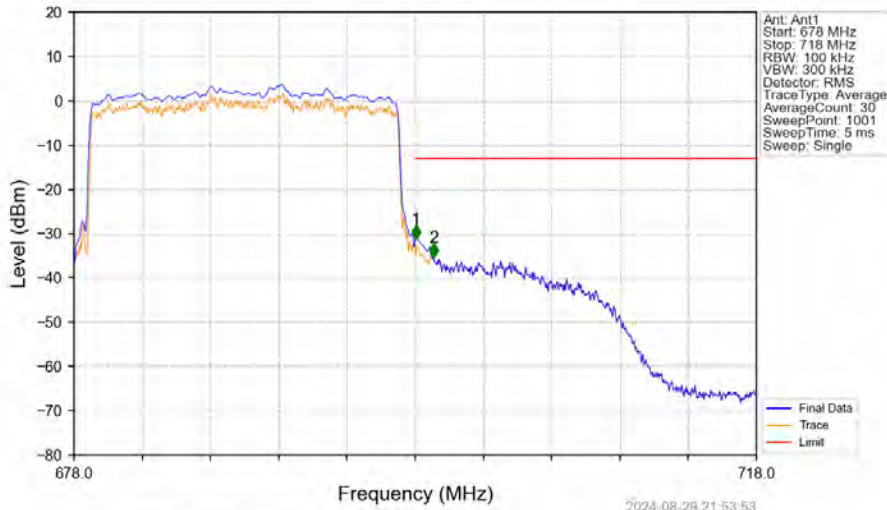


Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.015	-44.13	-13	Pass
699	718	0.1	CHP	2	705.805	-45.36	-13	Pass

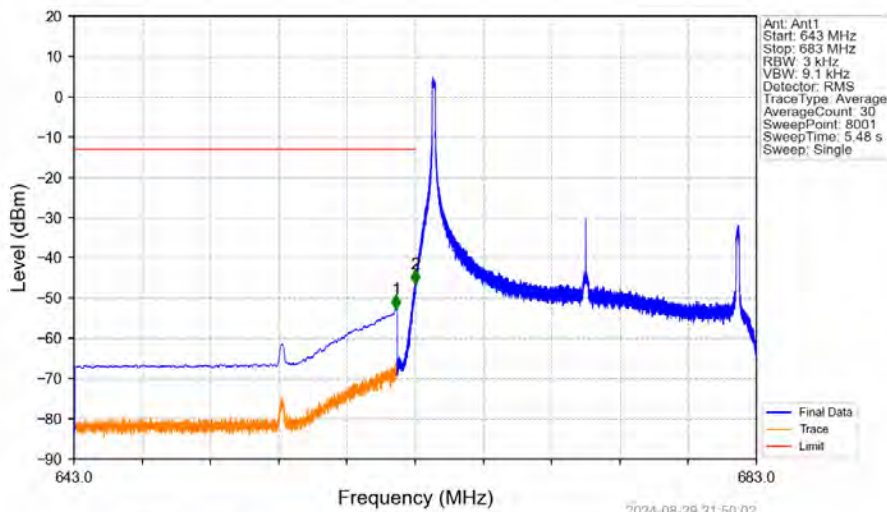
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



2024-08-29 21:53:53

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.2	CHP	/	/	/	/	/
698	699	0.2	CHP	1	698.040	-31.07	-13	Pass
699	718	0.1	/	2	699.080	-35.39	-13	Pass

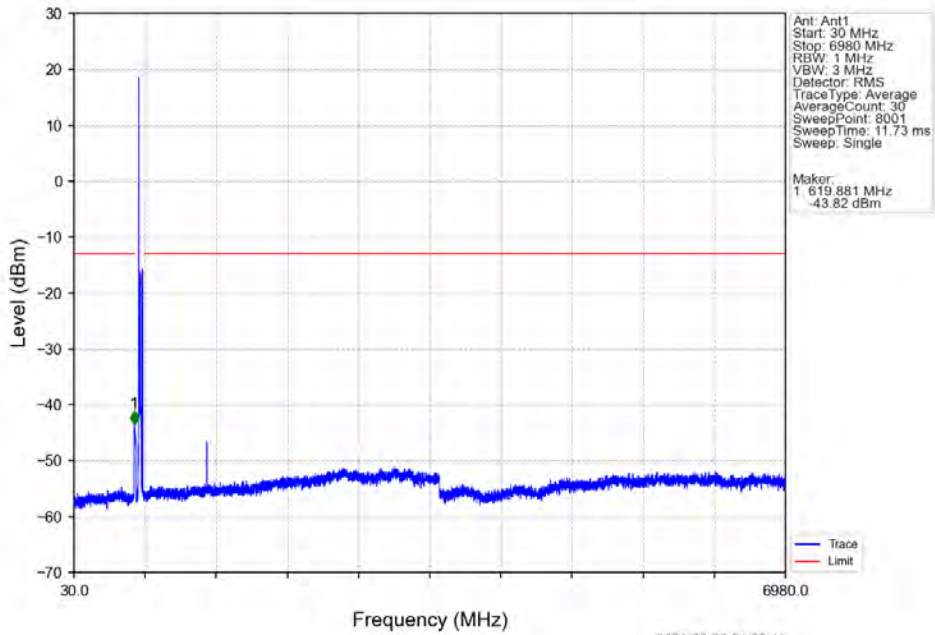
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTV



2024-08-29 21:50:02

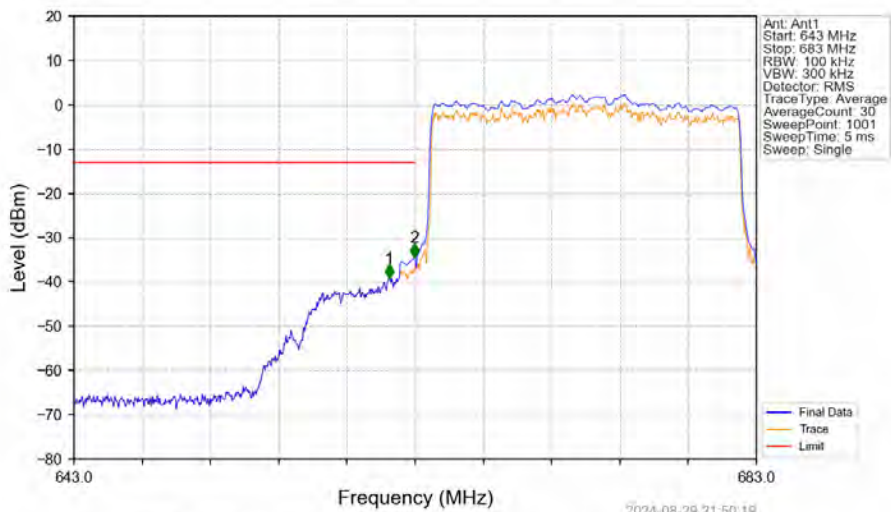
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.870	-52.75	-13	Pass
662	663	0.003	/	2	662.995	-46.46	-13	Pass
663	683	0.003	/	/	/	/	/	/

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



2024-08-29 21:50:11

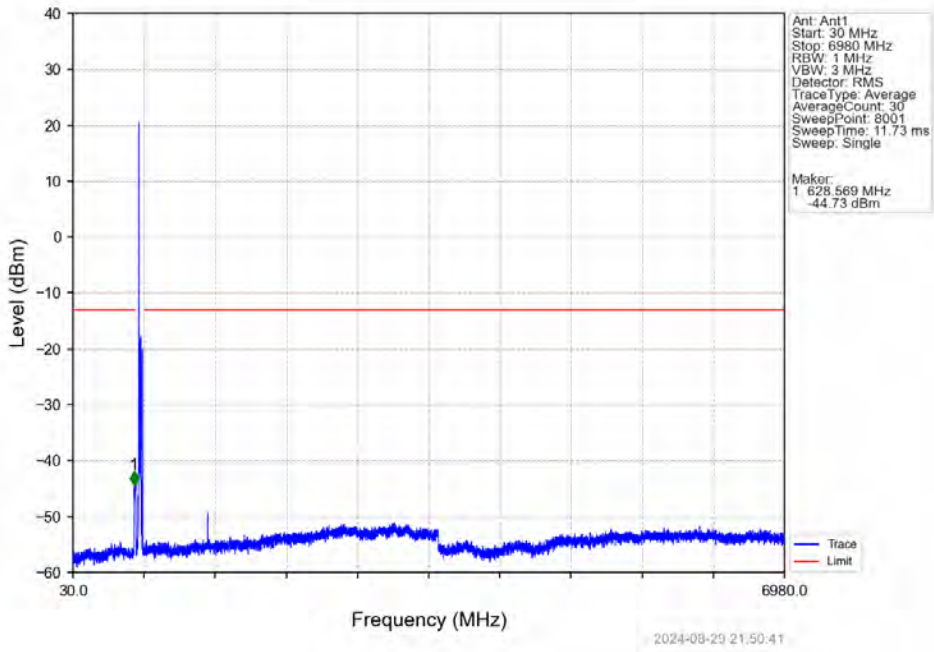
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTN



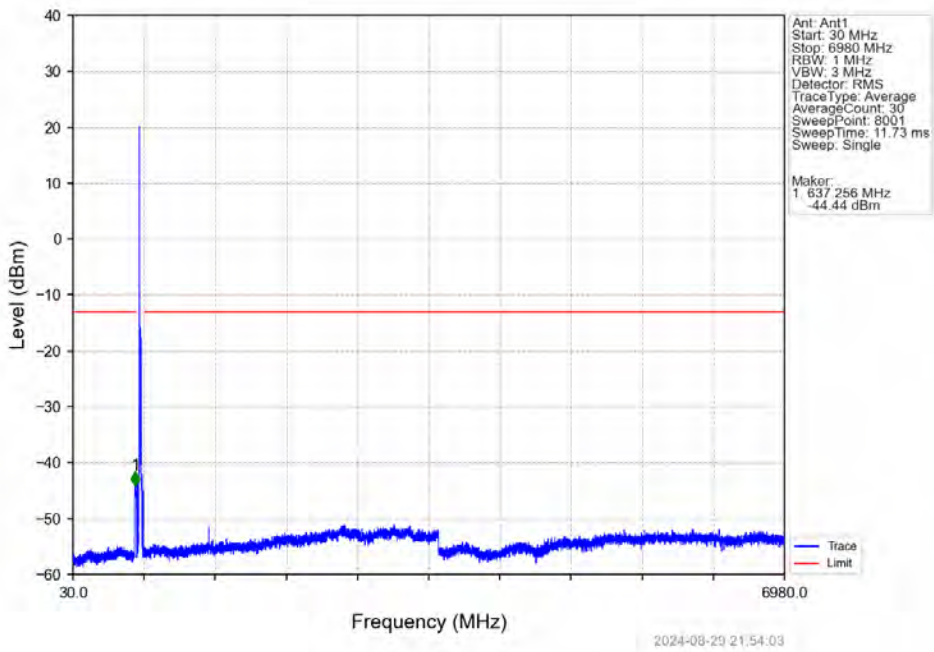
2024-08-29 21:50:19

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.480	-39.18	-13	Pass
662	663	0.198	CHP	2	662.960	-34.44	-13	Pass
663	683	0.198	CHP	/	/	/	/	/

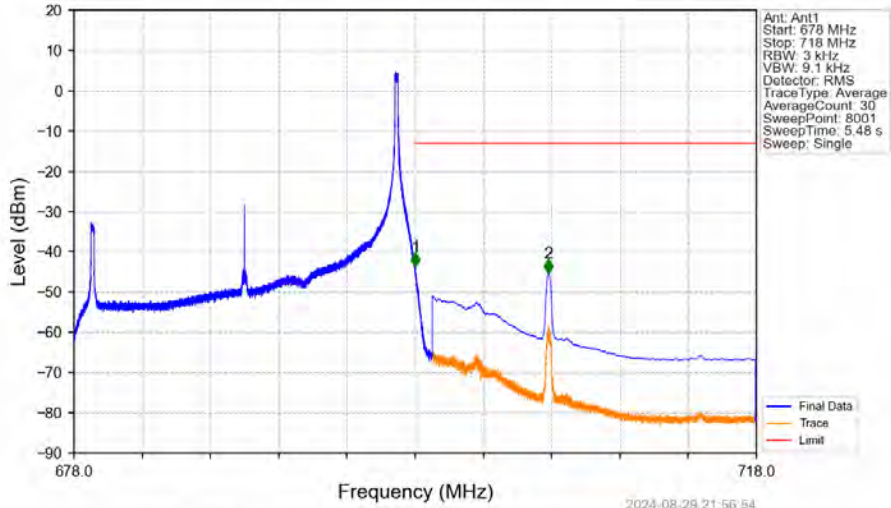
Band71 20MHz 16QAM MCH 683MHz RB 1 0 NTV



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

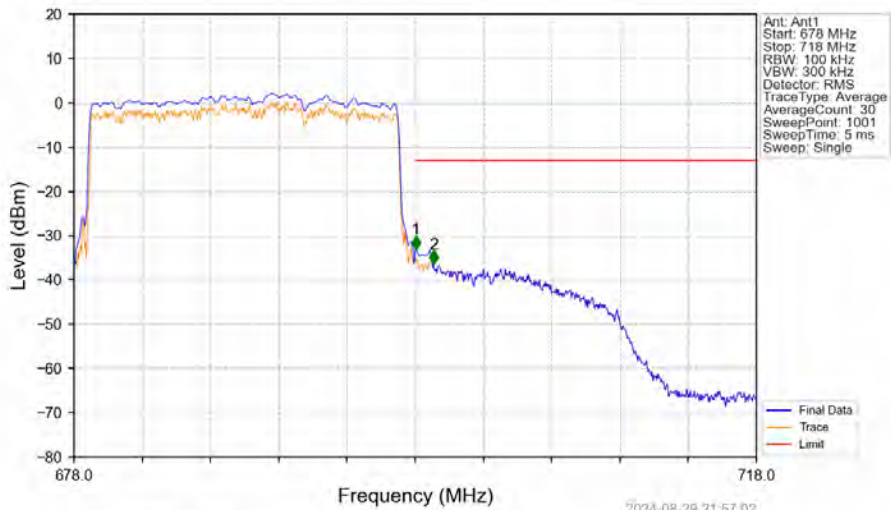


Band71 20MHz 16QAM HCH 688MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-43.69	-13	Pass
699	718	0.1	CHP	2	705.805	-45.19	-13	Pass

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.202	CHP	/	/	/	/	/
698	699	0.202	CHP	1	698.040	-33.04	-13	Pass
699	718	0.1	/	2	699.080	-36.46	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.1585	0.0025	ppm	4M56G7D	27N	22.00
71	5	665.5	695.5	0.1213	0.0021	ppm	4M56W7D	27N	20.84
71	10	668	693	0.1603	0.0035	ppm	9M09G7D	27N	22.05
71	10	668	693	0.1581	0.0021	ppm	9M09W7D	27N	21.99
71	15	670.5	690.5	0.1679	0.0026	ppm	13M5G7D	27N	22.25
71	15	670.5	690.5	0.1462	0.0022	ppm	13M6W7D	27N	21.65
71	20	673	688	0.1683	0.0014	ppm	18M1G7D	27N	22.26
71	20	673	688	0.1563	0.0017	ppm	18M1W7D	27N	21.94

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.0592	0.0025	ppm	4M56G7D	27N	17.72
71	5	665.5	695.5	0.0453	0.0021	ppm	4M56W7D	27N	16.56
71	10	668	693	0.0598	0.0035	ppm	9M09G7D	27N	17.77
71	10	668	693	0.0590	0.0021	ppm	9M09W7D	27N	17.71
71	15	670.5	690.5	0.0627	0.0026	ppm	13M5G7D	27N	17.97
71	15	670.5	690.5	0.0546	0.0022	ppm	13M6W7D	27N	17.37
71	20	673	688	0.0628	0.0014	ppm	18M1G7D	27N	17.98
71	20	673	688	0.0583	0.0017	ppm	18M1W7D	27N	17.66