



Report No.: SEWM2311000466RG01

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Appendix B.16

LTE Band 71



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERPAnt0

1.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNv										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	665.5	1	0	23.36	-2.2	21.16	<=34.77	Pass		
			13	23.29	-2.2	21.09	<=34.77	Pass		
			24	23.38	-2.2	21.18	<=34.77	Pass		
		12	0	22.34	-2.2	20.14	<=34.77	Pass		
			6	22.30	-2.2	20.1	<=34.77	Pass		
			13	22.33	-2.2	20.13	<=34.77	Pass		
		25	0	22.37	-2.2	20.17	<=34.77	Pass		
		680.5	1	0	23.38	-2.2	21.18	<=34.77	Pass	
				13	23.44	-2.2	21.24	<=34.77	Pass	
	24			23.41	-2.2	21.21	<=34.77	Pass		
	12		0	22.40	-2.2	20.2	<=34.77	Pass		
			6	22.37	-2.2	20.17	<=34.77	Pass		
			13	22.40	-2.2	20.2	<=34.77	Pass		
	25		0	22.44	-2.2	20.24	<=34.77	Pass		
	695.5		1	0	23.43	-2.2	21.23	<=34.77	Pass	
				13	23.43	-2.2	21.23	<=34.77	Pass	
		24		23.51	-2.2	21.31	<=34.77	Pass		
		12	0	22.41	-2.2	20.21	<=34.77	Pass		
			6	22.37	-2.2	20.17	<=34.77	Pass		
			13	22.40	-2.2	20.2	<=34.77	Pass		
		25	0	22.46	-2.2	20.26	<=34.77	Pass		
		16QAM	665.5	1	0	22.60	-2.2	20.4	<=34.77	Pass
					13	22.56	-2.2	20.36	<=34.77	Pass
	24				22.61	-2.2	20.41	<=34.77	Pass	
12	0			21.41	-2.2	19.21	<=34.77	Pass		
	6			21.37	-2.2	19.17	<=34.77	Pass		
	13			21.38	-2.2	19.18	<=34.77	Pass		
25	0		21.38	-2.2	19.18	<=34.77	Pass			
680.5	1		0	22.65	-2.2	20.45	<=34.77	Pass		
			13	22.68	-2.2	20.48	<=34.77	Pass		
			24	22.63	-2.2	20.43	<=34.77	Pass		
	12		0	21.48	-2.2	19.28	<=34.77	Pass		
			6	21.44	-2.2	19.24	<=34.77	Pass		
			13	21.45	-2.2	19.25	<=34.77	Pass		
25	0		21.45	-2.2	19.25	<=34.77	Pass			
695.5	1		0	22.54	-2.2	20.34	<=34.77	Pass		
			13	22.51	-2.2	20.31	<=34.77	Pass		



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			24	22.56	-2.2	20.36	<=34.77	Pass		
			0	21.46	-2.2	19.26	<=34.77	Pass		
		12	6	21.41	-2.2	19.21	<=34.77	Pass		
			13	21.46	-2.2	19.26	<=34.77	Pass		
		25	0	21.48	-2.2	19.28	<=34.77	Pass		
64QAM	665.5	1	0	21.35	-2.2	19.15	<=34.77	Pass		
			13	21.28	-2.2	19.08	<=34.77	Pass		
			24	21.34	-2.2	19.14	<=34.77	Pass		
		12	0	20.33	-2.2	18.13	<=34.77	Pass		
			6	20.29	-2.2	18.09	<=34.77	Pass		
			13	20.31	-2.2	18.11	<=34.77	Pass		
		25	0	20.39	-2.2	18.19	<=34.77	Pass		
		680.5	1	0	21.54	-2.2	19.34	<=34.77	Pass	
				13	21.56	-2.2	19.36	<=34.77	Pass	
	24			21.54	-2.2	19.34	<=34.77	Pass		
	12		0	20.46	-2.2	18.26	<=34.77	Pass		
			6	20.42	-2.2	18.22	<=34.77	Pass		
			13	20.42	-2.2	18.22	<=34.77	Pass		
	25		0	20.51	-2.2	18.31	<=34.77	Pass		
	695.5		1	0	21.60	-2.2	19.4	<=34.77	Pass	
				13	21.59	-2.2	19.39	<=34.77	Pass	
		24		21.67	-2.2	19.47	<=34.77	Pass		
		12	0	20.58	-2.2	18.38	<=34.77	Pass		
			6	20.54	-2.2	18.34	<=34.77	Pass		
			13	20.55	-2.2	18.35	<=34.77	Pass		
		25	0	20.47	-2.2	18.27	<=34.77	Pass		
		256QAM	665.5	1	0	18.13	-2.2	15.93	<=34.77	Pass
					13	18.08	-2.2	15.88	<=34.77	Pass
	24				18.13	-2.2	15.93	<=34.77	Pass	
12	0			18.41	-2.2	16.21	<=34.77	Pass		
	6			18.36	-2.2	16.16	<=34.77	Pass		
	13			18.39	-2.2	16.19	<=34.77	Pass		
25	0			18.43	-2.2	16.23	<=34.77	Pass		
680.5	1			0	18.60	-2.2	16.4	<=34.77	Pass	
				13	18.63	-2.2	16.43	<=34.77	Pass	
			24	18.61	-2.2	16.41	<=34.77	Pass		
	12		0	18.47	-2.2	16.27	<=34.77	Pass		
			6	18.44	-2.2	16.24	<=34.77	Pass		
			13	18.43	-2.2	16.23	<=34.77	Pass		
	25		0	18.45	-2.2	16.25	<=34.77	Pass		
	695.5		1	0	18.47	-2.2	16.27	<=34.77	Pass	
				13	18.45	-2.2	16.25	<=34.77	Pass	
24				18.50	-2.2	16.3	<=34.77	Pass		
12			0	18.48	-2.2	16.28	<=34.77	Pass		
			6	18.45	-2.2	16.25	<=34.77	Pass		
			13	18.47	-2.2	16.27	<=34.77	Pass		
25			0	18.52	-2.2	16.32	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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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	23.39	-2.2	21.19	<=34.77	Pass		
			25	23.39	-2.2	21.19	<=34.77	Pass		
			49	23.34	-2.2	21.14	<=34.77	Pass		
		25	0	22.39	-2.2	20.19	<=34.77	Pass		
			13	22.41	-2.2	20.21	<=34.77	Pass		
			25	22.43	-2.2	20.23	<=34.77	Pass		
		50	0	22.43	-2.2	20.23	<=34.77	Pass		
		680.5	1	0	23.36	-2.2	21.16	<=34.77	Pass	
				25	23.39	-2.2	21.19	<=34.77	Pass	
	49			23.36	-2.2	21.16	<=34.77	Pass		
	25		0	22.44	-2.2	20.24	<=34.77	Pass		
			13	22.44	-2.2	20.24	<=34.77	Pass		
			25	22.40	-2.2	20.2	<=34.77	Pass		
	50		0	22.45	-2.2	20.25	<=34.77	Pass		
	693		1	0	23.45	-2.2	21.25	<=34.77	Pass	
				25	23.42	-2.2	21.22	<=34.77	Pass	
		49		23.46	-2.2	21.26	<=34.77	Pass		
		25	0	22.44	-2.2	20.24	<=34.77	Pass		
			13	22.45	-2.2	20.25	<=34.77	Pass		
			25	22.39	-2.2	20.19	<=34.77	Pass		
		50	0	22.45	-2.2	20.25	<=34.77	Pass		
		16QAM	668	1	0	22.91	-2.2	20.71	<=34.77	Pass
					25	22.92	-2.2	20.72	<=34.77	Pass
	49				22.88	-2.2	20.68	<=34.77	Pass	
25	0			21.45	-2.2	19.25	<=34.77	Pass		
	13			21.47	-2.2	19.27	<=34.77	Pass		
	25			21.48	-2.2	19.28	<=34.77	Pass		
50	0			21.43	-2.2	19.23	<=34.77	Pass		
680.5	1			0	22.57	-2.2	20.37	<=34.77	Pass	
				25	22.63	-2.2	20.43	<=34.77	Pass	
			49	22.58	-2.2	20.38	<=34.77	Pass		
	25		0	21.47	-2.2	19.27	<=34.77	Pass		
			13	21.46	-2.2	19.26	<=34.77	Pass		
			25	21.44	-2.2	19.24	<=34.77	Pass		
	50		0	21.44	-2.2	19.24	<=34.77	Pass		
	693		1	0	22.50	-2.2	20.3	<=34.77	Pass	
				25	22.45	-2.2	20.25	<=34.77	Pass	
49				22.53	-2.2	20.33	<=34.77	Pass		
25			0	21.54	-2.2	19.34	<=34.77	Pass		
			13	21.54	-2.2	19.34	<=34.77	Pass		



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			25	21.51	-2.2	19.31	<=34.77	Pass
		50	0	21.46	-2.2	19.26	<=34.77	Pass
64QAM	668	1	0	21.59	-2.2	19.39	<=34.77	Pass
			25	21.61	-2.2	19.41	<=34.77	Pass
			49	21.58	-2.2	19.38	<=34.77	Pass
		25	0	20.43	-2.2	18.23	<=34.77	Pass
			13	20.44	-2.2	18.24	<=34.77	Pass
			25	20.44	-2.2	18.24	<=34.77	Pass
	50	0	20.45	-2.2	18.25	<=34.77	Pass	
	680.5	1	0	21.47	-2.2	19.27	<=34.77	Pass
			25	21.49	-2.2	19.29	<=34.77	Pass
			49	21.48	-2.2	19.28	<=34.77	Pass
		25	0	20.54	-2.2	18.34	<=34.77	Pass
			13	20.53	-2.2	18.33	<=34.77	Pass
			25	20.51	-2.2	18.31	<=34.77	Pass
	50	0	20.47	-2.2	18.27	<=34.77	Pass	
	693	1	0	21.32	-2.2	19.12	<=34.77	Pass
			25	21.32	-2.2	19.12	<=34.77	Pass
			49	21.31	-2.2	19.11	<=34.77	Pass
		25	0	20.50	-2.2	18.3	<=34.77	Pass
13			20.51	-2.2	18.31	<=34.77	Pass	
25			20.47	-2.2	18.27	<=34.77	Pass	
50	0	20.49	-2.2	18.29	<=34.77	Pass		
256QAM	668	1	0	18.80	-2.2	16.6	<=34.77	Pass
			25	18.83	-2.2	16.63	<=34.77	Pass
			49	18.78	-2.2	16.58	<=34.77	Pass
		25	0	18.44	-2.2	16.24	<=34.77	Pass
			13	18.46	-2.2	16.26	<=34.77	Pass
			25	18.49	-2.2	16.29	<=34.77	Pass
	50	0	18.48	-2.2	16.28	<=34.77	Pass	
	680.5	1	0	18.21	-2.2	16.01	<=34.77	Pass
			25	18.30	-2.2	16.1	<=34.77	Pass
			49	18.23	-2.2	16.03	<=34.77	Pass
		25	0	18.49	-2.2	16.29	<=34.77	Pass
			13	18.48	-2.2	16.28	<=34.77	Pass
			25	18.47	-2.2	16.27	<=34.77	Pass
	50	0	18.42	-2.2	16.22	<=34.77	Pass	
	693	1	0	18.58	-2.2	16.38	<=34.77	Pass
			25	18.54	-2.2	16.34	<=34.77	Pass
			49	18.60	-2.2	16.4	<=34.77	Pass
		25	0	18.53	-2.2	16.33	<=34.77	Pass
13			18.54	-2.2	16.34	<=34.77	Pass	
25			18.51	-2.2	16.31	<=34.77	Pass	
50	0	18.49	-2.2	16.29	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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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	23.42	-2.2	21.22	<=34.77	Pass		
			38	23.40	-2.2	21.2	<=34.77	Pass		
			74	23.39	-2.2	21.19	<=34.77	Pass		
		36	0	22.39	-2.2	20.19	<=34.77	Pass		
			18	22.41	-2.2	20.21	<=34.77	Pass		
			39	22.38	-2.2	20.18	<=34.77	Pass		
		75	0	22.40	-2.2	20.2	<=34.77	Pass		
		680.5	1	0	23.39	-2.2	21.19	<=34.77	Pass	
				38	23.44	-2.2	21.24	<=34.77	Pass	
	74			23.45	-2.2	21.25	<=34.77	Pass		
	36		0	22.47	-2.2	20.27	<=34.77	Pass		
			18	22.42	-2.2	20.22	<=34.77	Pass		
			39	22.43	-2.2	20.23	<=34.77	Pass		
	75		0	22.46	-2.2	20.26	<=34.77	Pass		
	690.5		1	0	23.44	-2.2	21.24	<=34.77	Pass	
				38	23.37	-2.2	21.17	<=34.77	Pass	
		74		23.49	-2.2	21.29	<=34.77	Pass		
		36	0	22.46	-2.2	20.26	<=34.77	Pass		
			18	22.45	-2.2	20.25	<=34.77	Pass		
			39	22.41	-2.2	20.21	<=34.77	Pass		
		75	0	22.43	-2.2	20.23	<=34.77	Pass		
		16QAM	670.5	1	0	22.95	-2.2	20.75	<=34.77	Pass
					38	22.94	-2.2	20.74	<=34.77	Pass
	74				22.94	-2.2	20.74	<=34.77	Pass	
36	0			21.42	-2.2	19.22	<=34.77	Pass		
	18			21.44	-2.2	19.24	<=34.77	Pass		
	39			21.41	-2.2	19.21	<=34.77	Pass		
75	0			21.42	-2.2	19.22	<=34.77	Pass		
680.5	1			0	22.61	-2.2	20.41	<=34.77	Pass	
				38	22.65	-2.2	20.45	<=34.77	Pass	
			74	22.65	-2.2	20.45	<=34.77	Pass		
	36		0	21.48	-2.2	19.28	<=34.77	Pass		
			18	21.43	-2.2	19.23	<=34.77	Pass		
			39	21.44	-2.2	19.24	<=34.77	Pass		
	75		0	21.48	-2.2	19.28	<=34.77	Pass		
	690.5		1	0	22.77	-2.2	20.57	<=34.77	Pass	
				38	22.76	-2.2	20.56	<=34.77	Pass	
74				22.84	-2.2	20.64	<=34.77	Pass		
36			0	21.45	-2.2	19.25	<=34.77	Pass		
			18	21.42	-2.2	19.22	<=34.77	Pass		



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			39	21.42	-2.2	19.22	<=34.77	Pass
		75	0	21.45	-2.2	19.25	<=34.77	Pass
64QAM	670.5	1	0	21.66	-2.2	19.46	<=34.77	Pass
			38	21.66	-2.2	19.46	<=34.77	Pass
			74	21.65	-2.2	19.45	<=34.77	Pass
		36	0	20.43	-2.2	18.23	<=34.77	Pass
			18	20.45	-2.2	18.25	<=34.77	Pass
			39	20.40	-2.2	18.2	<=34.77	Pass
	75	0	20.43	-2.2	18.23	<=34.77	Pass	
	680.5	1	0	21.50	-2.2	19.3	<=34.77	Pass
			38	21.52	-2.2	19.32	<=34.77	Pass
			74	21.55	-2.2	19.35	<=34.77	Pass
		36	0	20.49	-2.2	18.29	<=34.77	Pass
			18	20.46	-2.2	18.26	<=34.77	Pass
			39	20.47	-2.2	18.27	<=34.77	Pass
	75	0	20.48	-2.2	18.28	<=34.77	Pass	
	690.5	1	0	21.81	-2.2	19.61	<=34.77	Pass
			38	21.73	-2.2	19.53	<=34.77	Pass
			74	21.84	-2.2	19.64	<=34.77	Pass
		36	0	20.40	-2.2	18.2	<=34.77	Pass
			18	20.39	-2.2	18.19	<=34.77	Pass
			39	20.39	-2.2	18.19	<=34.77	Pass
	75	0	20.44	-2.2	18.24	<=34.77	Pass	
256QAM	670.5	1	0	18.85	-2.2	16.65	<=34.77	Pass
			38	18.84	-2.2	16.64	<=34.77	Pass
			74	18.85	-2.2	16.65	<=34.77	Pass
		36	0	18.41	-2.2	16.21	<=34.77	Pass
			18	18.41	-2.2	16.21	<=34.77	Pass
			39	18.39	-2.2	16.19	<=34.77	Pass
	75	0	18.41	-2.2	16.21	<=34.77	Pass	
	680.5	1	0	18.27	-2.2	16.07	<=34.77	Pass
			38	18.30	-2.2	16.1	<=34.77	Pass
			74	18.33	-2.2	16.13	<=34.77	Pass
		36	0	18.45	-2.2	16.25	<=34.77	Pass
			18	18.41	-2.2	16.21	<=34.77	Pass
			39	18.42	-2.2	16.22	<=34.77	Pass
	75	0	18.42	-2.2	16.22	<=34.77	Pass	
	690.5	1	0	18.76	-2.2	16.56	<=34.77	Pass
			38	18.70	-2.2	16.5	<=34.77	Pass
			74	18.82	-2.2	16.62	<=34.77	Pass
		36	0	18.44	-2.2	16.24	<=34.77	Pass
			18	18.41	-2.2	16.21	<=34.77	Pass
			39	18.40	-2.2	16.2	<=34.77	Pass
	75	0	18.43	-2.2	16.23	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.4 B71_20MHz_ERP

1.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	673	1	0	23.45	-2.2	21.25	<=34.77	Pass		
			50	23.41	-2.2	21.21	<=34.77	Pass		
			99	23.47	-2.2	21.27	<=34.77	Pass		
		50	0	22.42	-2.2	20.22	<=34.77	Pass		
			25	22.44	-2.2	20.24	<=34.77	Pass		
			50	22.37	-2.2	20.17	<=34.77	Pass		
		100	0	22.40	-2.2	20.2	<=34.77	Pass		
		683	1	0	23.43	-2.2	21.23	<=34.77	Pass	
				50	23.39	-2.2	21.19	<=34.77	Pass	
	99			23.44	-2.2	21.24	<=34.77	Pass		
	50		0	22.51	-2.2	20.31	<=34.77	Pass		
			25	22.49	-2.2	20.29	<=34.77	Pass		
			50	22.47	-2.2	20.27	<=34.77	Pass		
	100		0	22.49	-2.2	20.29	<=34.77	Pass		
	688		1	0	23.45	-2.2	21.25	<=34.77	Pass	
				50	23.44	-2.2	21.24	<=34.77	Pass	
		99		23.46	-2.2	21.26	<=34.77	Pass		
		50	0	22.45	-2.2	20.25	<=34.77	Pass		
			25	22.48	-2.2	20.28	<=34.77	Pass		
			50	22.43	-2.2	20.23	<=34.77	Pass		
		100	0	22.41	-2.2	20.21	<=34.77	Pass		
		16QAM	673	1	0	22.71	-2.2	20.51	<=34.77	Pass
					50	22.68	-2.2	20.48	<=34.77	Pass
	99				22.71	-2.2	20.51	<=34.77	Pass	
50	0			21.40	-2.2	19.2	<=34.77	Pass		
	25			21.43	-2.2	19.23	<=34.77	Pass		
	50			21.38	-2.2	19.18	<=34.77	Pass		
100	0			21.42	-2.2	19.22	<=34.77	Pass		
683	1			0	22.69	-2.2	20.49	<=34.77	Pass	
				50	22.65	-2.2	20.45	<=34.77	Pass	
			99	22.66	-2.2	20.46	<=34.77	Pass		
	50		0	21.51	-2.2	19.31	<=34.77	Pass		
			25	21.47	-2.2	19.27	<=34.77	Pass		
			50	21.46	-2.2	19.26	<=34.77	Pass		
	100		0	21.50	-2.2	19.3	<=34.77	Pass		
	688		1	0	23.05	-2.2	20.85	<=34.77	Pass	
				50	23.06	-2.2	20.86	<=34.77	Pass	
99				23.08	-2.2	20.88	<=34.77	Pass		
50			0	21.41	-2.2	19.21	<=34.77	Pass		
			25	21.46	-2.2	19.26	<=34.77	Pass		



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			50	21.43	-2.2	19.23	<=34.77	Pass
		100	0	21.44	-2.2	19.24	<=34.77	Pass
64QAM	673	1	0	21.62	-2.2	19.42	<=34.77	Pass
			50	21.58	-2.2	19.38	<=34.77	Pass
			99	21.62	-2.2	19.42	<=34.77	Pass
		50	0	20.44	-2.2	18.24	<=34.77	Pass
			25	20.48	-2.2	18.28	<=34.77	Pass
			50	20.43	-2.2	18.23	<=34.77	Pass
	100	0	20.41	-2.2	18.21	<=34.77	Pass	
	683	1	0	21.74	-2.2	19.54	<=34.77	Pass
			50	21.68	-2.2	19.48	<=34.77	Pass
			99	21.73	-2.2	19.53	<=34.77	Pass
		50	0	20.54	-2.2	18.34	<=34.77	Pass
			25	20.49	-2.2	18.29	<=34.77	Pass
			50	20.48	-2.2	18.28	<=34.77	Pass
	100	0	20.49	-2.2	18.29	<=34.77	Pass	
	688	1	0	21.36	-2.2	19.16	<=34.77	Pass
			50	21.36	-2.2	19.16	<=34.77	Pass
			99	21.37	-2.2	19.17	<=34.77	Pass
		50	0	20.45	-2.2	18.25	<=34.77	Pass
25			20.48	-2.2	18.28	<=34.77	Pass	
50			20.43	-2.2	18.23	<=34.77	Pass	
100	0	20.47	-2.2	18.27	<=34.77	Pass		
256QAM	673	1	0	18.67	-2.2	16.47	<=34.77	Pass
			50	18.61	-2.2	16.41	<=34.77	Pass
			99	18.68	-2.2	16.48	<=34.77	Pass
		50	0	18.38	-2.2	16.18	<=34.77	Pass
			25	18.43	-2.2	16.23	<=34.77	Pass
			50	18.38	-2.2	16.18	<=34.77	Pass
	100	0	18.39	-2.2	16.19	<=34.77	Pass	
	683	1	0	18.68	-2.2	16.48	<=34.77	Pass
			50	18.66	-2.2	16.46	<=34.77	Pass
			99	18.66	-2.2	16.46	<=34.77	Pass
		50	0	18.52	-2.2	16.32	<=34.77	Pass
			25	18.46	-2.2	16.26	<=34.77	Pass
			50	18.46	-2.2	16.26	<=34.77	Pass
	100	0	18.50	-2.2	16.3	<=34.77	Pass	
	688	1	0	18.43	-2.2	16.23	<=34.77	Pass
			50	18.41	-2.2	16.21	<=34.77	Pass
			99	18.43	-2.2	16.23	<=34.77	Pass
		50	0	18.46	-2.2	16.26	<=34.77	Pass
25			18.48	-2.2	16.28	<=34.77	Pass	
50			18.42	-2.2	16.22	<=34.77	Pass	
100	0	18.44	-2.2	16.24	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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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	
QPSK	665.5	25	0	20	3.4	-0.295	-0.0004	Pass
					3.8	-0.952	-0.0014	Pass
					4.4	1.883	0.0028	Pass
				-30	3.8	-0.963	-0.0014	Pass
				-20	3.8	2.930	0.0044	Pass
				-10	3.8	-3.637	-0.0055	Pass
				0	3.8	-2.585	-0.0039	Pass
				10	3.8	0.791	0.0012	Pass
				30	3.8	2.605	0.0039	Pass
				40	3.8	2.477	0.0037	Pass
	50	3.8	-3.441	-0.0052	Pass			
	680.5	25	0	20	3.4	2.886	0.0042	Pass
					3.8	-2.393	-0.0035	Pass
					4.4	3.438	0.0051	Pass
				-30	3.8	-2.079	-0.0031	Pass
				-20	3.8	-4.703	-0.0069	Pass
				-10	3.8	-6.612	-0.0097	Pass
				0	3.8	-5.249	-0.0077	Pass
				10	3.8	0.848	0.0012	Pass
				30	3.8	-4.968	-0.0073	Pass
				40	3.8	-2.349	-0.0035	Pass
	50	3.8	-1.525	-0.0022	Pass			
	695.5	25	0	20	3.4	-5.608	-0.0081	Pass
					3.8	2.424	0.0035	Pass
					4.4	-1.009	-0.0015	Pass
				-30	3.8	2.319	0.0033	Pass
				-20	3.8	-0.941	-0.0014	Pass
				-10	3.8	-2.919	-0.0042	Pass
				0	3.8	1.779	0.0026	Pass
				10	3.8	3.137	0.0045	Pass
30				3.8	-1.878	-0.0027	Pass	
40				3.8	1.092	0.0016	Pass	
50	3.8	-4.308	-0.0062	Pass				
16QAM	665.5	25	0	20	3.4	-5.310	-0.0080	Pass
					3.8	-4.362	-0.0066	Pass
					4.4	-2.759	-0.0041	Pass



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				-30	3.8	-3.345	-0.0050	Pass
				-20	3.8	-4.169	-0.0063	Pass
				-10	3.8	-6.666	-0.0100	Pass
				0	3.8	0.332	0.0005	Pass
				10	3.8	-0.618	-0.0009	Pass
				30	3.8	-4.868	-0.0073	Pass
				40	3.8	-4.307	-0.0065	Pass
				50	3.8	-3.555	-0.0053	Pass
	680.5	25	0	20	3.4	-6.298	-0.0093	Pass
					3.8	-6.222	-0.0091	Pass
					4.4	0.812	0.0012	Pass
				-30	3.8	-4.528	-0.0067	Pass
				-20	3.8	2.733	0.0040	Pass
				-10	3.8	-2.689	-0.0040	Pass
				0	3.8	0.645	0.0009	Pass
				10	3.8	-1.184	-0.0017	Pass
				30	3.8	-2.157	-0.0032	Pass
				40	3.8	-2.315	-0.0034	Pass
				50	3.8	-1.635	-0.0024	Pass
				695.5	25	0	20	3.4
	3.8	-5.556	-0.0080					Pass
	4.4	0.736	0.0011					Pass
	-30	3.8	-1.487				-0.0021	Pass
	-20	3.8	0.945				0.0014	Pass
	-10	3.8	-5.408				-0.0078	Pass
	0	3.8	-1.787				-0.0026	Pass
	10	3.8	1.359				0.0020	Pass
	30	3.8	2.974				0.0043	Pass
40	3.8	-4.317	-0.0062				Pass	
50	3.8	-0.895	-0.0013				Pass	
64QAM	665.5	25	0				20	3.4
				3.8	-1.592	-0.0024		Pass
				4.4	-2.965	-0.0045		Pass
				-30	3.8	-2.189	-0.0033	Pass
				-20	3.8	-4.719	-0.0071	Pass
				-10	3.8	-0.435	-0.0007	Pass
				0	3.8	-2.474	-0.0037	Pass
				10	3.8	-3.777	-0.0057	Pass
				30	3.8	-1.822	-0.0027	Pass
				40	3.8	-1.437	-0.0022	Pass
				50	3.8	-4.543	-0.0068	Pass
				680.5	25	0	20	3.4
	3.8	-1.602	-0.0024					Pass
	4.4	0.608	0.0009					Pass
	-30	3.8	-6.535				-0.0096	Pass
	-20	3.8	-0.190				-0.0003	Pass
	-10	3.8	-4.467				-0.0066	Pass
	0	3.8	-3.476				-0.0051	Pass



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	695.5	25	0	10	3.8	-5.788	-0.0085	Pass
				30	3.8	-2.852	-0.0042	Pass
				40	3.8	-5.644	-0.0083	Pass
				50	3.8	-1.516	-0.0022	Pass
				20	3.4	1.971	0.0028	Pass
					3.8	-0.484	-0.0007	Pass
					4.4	-3.327	-0.0048	Pass
				-30	3.8	-3.505	-0.0050	Pass
				-20	3.8	-1.943	-0.0028	Pass
				-10	3.8	-1.670	-0.0024	Pass
				0	3.8	1.201	0.0017	Pass
				10	3.8	-6.810	-0.0098	Pass
				30	3.8	1.792	0.0026	Pass
				40	3.8	-1.706	-0.0025	Pass
50	3.8	-3.545	-0.0051	Pass				
256QAM	665.5	25	0	20	3.4	-7.824	-0.0118	Pass
					3.8	-3.669	-0.0055	Pass
					4.4	-3.650	-0.0055	Pass
				-30	3.8	-2.816	-0.0042	Pass
				-20	3.8	-1.996	-0.0030	Pass
				-10	3.8	1.141	0.0017	Pass
				0	3.8	0.711	0.0011	Pass
				10	3.8	-1.395	-0.0021	Pass
				30	3.8	-0.561	-0.0008	Pass
				40	3.8	-2.483	-0.0037	Pass
				50	3.8	-3.975	-0.0060	Pass
				20	3.4	-6.433	-0.0095	Pass
					3.8	-4.059	-0.0060	Pass
					4.4	-3.222	-0.0047	Pass
-30	3.8	2.326	0.0034	Pass				
-20	3.8	-4.681	-0.0069	Pass				
-10	3.8	-4.421	-0.0065	Pass				
0	3.8	-0.042	-0.0001	Pass				
10	3.8	-5.259	-0.0077	Pass				
30	3.8	0.016	0.0000	Pass				
40	3.8	-4.652	-0.0068	Pass				
50	3.8	-6.421	-0.0094	Pass				
695.5	25	0	20	3.4	1.235	0.0018	Pass	
				3.8	-0.903	-0.0013	Pass	
				4.4	-2.928	-0.0042	Pass	
			-30	3.8	-3.814	-0.0055	Pass	
			-20	3.8	0.181	0.0003	Pass	
			-10	3.8	1.903	0.0027	Pass	
			0	3.8	-1.582	-0.0023	Pass	
			10	3.8	-3.168	-0.0046	Pass	
			30	3.8	-4.079	-0.0059	Pass	
			40	3.8	-2.414	-0.0035	Pass	
			50	3.8	-3.624	-0.0052	Pass	



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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	
QPSK	668	50	0	20	3.4	-2.799	-0.0042	Pass
					3.8	-2.207	-0.0033	Pass
					4.4	-5.249	-0.0079	Pass
				-30	3.8	-1.803	-0.0027	Pass
				-20	3.8	-0.183	-0.0003	Pass
				-10	3.8	-2.943	-0.0044	Pass
				0	3.8	-1.826	-0.0027	Pass
				10	3.8	-3.451	-0.0052	Pass
				30	3.8	-4.946	-0.0074	Pass
				40	3.8	-2.446	-0.0037	Pass
	50	3.8	-2.177	-0.0033	Pass			
	680.5	50	0	20	3.4	-2.716	-0.0040	Pass
					3.8	-3.473	-0.0051	Pass
					4.4	-3.137	-0.0046	Pass
				-30	3.8	-2.112	-0.0031	Pass
				-20	3.8	2.693	0.0040	Pass
				-10	3.8	-1.529	-0.0022	Pass
				0	3.8	1.629	0.0024	Pass
				10	3.8	0.104	0.0002	Pass
				30	3.8	-4.066	-0.0060	Pass
				40	3.8	-1.445	-0.0021	Pass
	50	3.8	-2.550	-0.0037	Pass			
	693	50	0	20	3.4	-4.138	-0.0060	Pass
					3.8	-0.076	-0.0001	Pass
					4.4	-0.275	-0.0004	Pass
				-30	3.8	-1.498	-0.0022	Pass
				-20	3.8	-2.915	-0.0042	Pass
				-10	3.8	-1.676	-0.0024	Pass
				0	3.8	-2.600	-0.0038	Pass
				10	3.8	-5.952	-0.0086	Pass
30				3.8	-2.814	-0.0041	Pass	
40				3.8	-1.553	-0.0022	Pass	
50	3.8	-6.791	-0.0098	Pass				
16QAM	668	50	0	20	3.4	-3.964	-0.0059	Pass
					3.8	-4.803	-0.0072	Pass
				-30	4.4	-3.518	-0.0053	Pass
					3.8	-9.298	-0.0139	Pass



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				-20	3.8	0.815	0.0012	Pass			
				-10	3.8	-3.429	-0.0051	Pass			
				0	3.8	-2.940	-0.0044	Pass			
				10	3.8	-4.434	-0.0066	Pass			
				30	3.8	-4.000	-0.0060	Pass			
				40	3.8	-3.252	-0.0049	Pass			
				50	3.8	-2.322	-0.0035	Pass			
	680.5	50	0	20	3.4	0.018	0.0000	Pass			
					3.8	-0.498	-0.0007	Pass			
					4.4	-6.040	-0.0089	Pass			
				-30	3.8	-2.962	-0.0044	Pass			
				-20	3.8	1.686	0.0025	Pass			
				-10	3.8	-4.787	-0.0070	Pass			
				0	3.8	-3.769	-0.0055	Pass			
				10	3.8	0.718	0.0011	Pass			
				30	3.8	-2.120	-0.0031	Pass			
				40	3.8	-4.067	-0.0060	Pass			
				50	3.8	2.309	0.0034	Pass			
				693	50	0	20	3.4	-5.016	-0.0072	Pass
								3.8	-6.558	-0.0095	Pass
								4.4	-1.852	-0.0027	Pass
	-30	3.8	-0.693				-0.0010	Pass			
	-20	3.8	-10.968				-0.0158	Pass			
	-10	3.8	-6.494				-0.0094	Pass			
	0	3.8	-5.703				-0.0082	Pass			
	10	3.8	-1.551				-0.0022	Pass			
	30	3.8	-2.754				-0.0040	Pass			
	40	3.8	-4.364				-0.0063	Pass			
50	3.8	-2.852	-0.0041				Pass				
64QAM	668	50	0	20	3.4	-2.812	-0.0042	Pass			
					3.8	-2.990	-0.0045	Pass			
					4.4	3.542	0.0053	Pass			
				-30	3.8	-5.188	-0.0078	Pass			
				-20	3.8	-3.137	-0.0047	Pass			
				-10	3.8	-3.975	-0.0060	Pass			
				0	3.8	-2.719	-0.0041	Pass			
				10	3.8	0.164	0.0002	Pass			
				30	3.8	-1.486	-0.0022	Pass			
				40	3.8	0.255	0.0004	Pass			
				50	3.8	-1.531	-0.0023	Pass			
				680.5	50	0	20	3.4	-3.718	-0.0055	Pass
								3.8	-3.963	-0.0058	Pass
								4.4	-6.164	-0.0091	Pass
	-30	3.8	-0.331				-0.0005	Pass			
	-20	3.8	-3.489				-0.0051	Pass			
	-10	3.8	-4.222				-0.0062	Pass			
	0	3.8	-2.851				-0.0042	Pass			
	10	3.8	1.767	0.0026	Pass						



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				30	3.8	-0.628	-0.0009	Pass			
				40	3.8	-3.878	-0.0057	Pass			
				50	3.8	-4.698	-0.0069	Pass			
				20	3.4	-2.957	-0.0043	Pass			
					3.8	-3.683	-0.0053	Pass			
					4.4	-4.972	-0.0072	Pass			
				-30	3.8	-5.655	-0.0082	Pass			
				-20	3.8	-7.312	-0.0106	Pass			
				-10	3.8	-5.815	-0.0084	Pass			
				0	3.8	0.288	0.0004	Pass			
				10	3.8	-3.777	-0.0055	Pass			
				30	3.8	1.059	0.0015	Pass			
				40	3.8	-2.894	-0.0042	Pass			
				50	3.8	1.036	0.0015	Pass			
256QAM	668	50	0	20	3.4	-5.250	-0.0079	Pass			
					3.8	-3.953	-0.0059	Pass			
					4.4	-5.212	-0.0078	Pass			
				-30	3.8	-2.327	-0.0035	Pass			
				-20	3.8	-0.718	-0.0011	Pass			
				-10	3.8	-5.143	-0.0077	Pass			
				0	3.8	2.562	0.0038	Pass			
				10	3.8	-2.478	-0.0037	Pass			
				30	3.8	-0.316	-0.0005	Pass			
				40	3.8	-7.682	-0.0115	Pass			
				50	3.8	-3.272	-0.0049	Pass			
				680.5	50	0	20	3.4	-4.229	-0.0062	Pass
								3.8	-3.935	-0.0058	Pass
								4.4	-2.789	-0.0041	Pass
-30	3.8	-5.409	-0.0079				Pass				
-20	3.8	-5.815	-0.0085				Pass				
-10	3.8	-4.086	-0.0060				Pass				
0	3.8	-4.529	-0.0067				Pass				
10	3.8	1.611	0.0024	Pass							
30	3.8	4.887	0.0072	Pass							
40	3.8	-3.687	-0.0054	Pass							
50	3.8	-4.749	-0.0070	Pass							
693	50	0	20	3.4	-0.972	-0.0014	Pass				
				3.8	-0.725	-0.0010	Pass				
				4.4	-5.523	-0.0080	Pass				
			-30	3.8	-7.029	-0.0101	Pass				
			-20	3.8	-0.182	-0.0003	Pass				
			-10	3.8	-2.529	-0.0036	Pass				
			0	3.8	1.269	0.0018	Pass				
			10	3.8	-2.501	-0.0036	Pass				
			30	3.8	-5.266	-0.0076	Pass				
			40	3.8	-1.914	-0.0028	Pass				
50	3.8	-2.376	-0.0034	Pass							



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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		
QPSK	670.5	75	0	20	3.4	-5.117	-0.0076	Pass	
					3.8	-2.273	-0.0034	Pass	
					4.4	-4.903	-0.0073	Pass	
				-30	3.8	-1.147	-0.0017	Pass	
					-20	3.8	-1.664	-0.0025	Pass
					-10	3.8	-2.623	-0.0039	Pass
				0	3.8	-0.545	-0.0008	Pass	
					10	3.8	-6.458	-0.0096	Pass
					30	3.8	0.348	0.0005	Pass
					40	3.8	-7.140	-0.0106	Pass
	50	3.8	-2.762		-0.0041	Pass			
	680.5	75	0		20	3.4	1.743	0.0026	Pass
						3.8	-2.798	-0.0041	Pass
				4.4		1.446	0.0021	Pass	
				-30	3.8	-5.397	-0.0079	Pass	
					-20	3.8	0.219	0.0003	Pass
					-10	3.8	-3.811	-0.0056	Pass
				0	3.8	-1.325	-0.0019	Pass	
					10	3.8	-5.003	-0.0074	Pass
					30	3.8	0.453	0.0007	Pass
					40	3.8	-7.665	-0.0113	Pass
	50	3.8	-2.970		-0.0044	Pass			
	690.5	75	0		20	3.4	1.097	0.0016	Pass
						3.8	0.677	0.0010	Pass
				4.4		-2.630	-0.0038	Pass	
				-30	3.8	-3.005	-0.0044	Pass	
					-20	3.8	-0.062	-0.0001	Pass
					-10	3.8	-0.454	-0.0007	Pass
				0	3.8	-1.491	-0.0022	Pass	
					10	3.8	0.897	0.0013	Pass
30					3.8	3.798	0.0055	Pass	
40					3.8	-3.361	-0.0049	Pass	
50	3.8	0.373	0.0005		Pass				
16QAM	670.5	75	0		20	3.4	-6.709	-0.0100	Pass
						3.8	-4.109	-0.0061	Pass
				4.4		-1.245	-0.0019	Pass	
				-30	3.8	-4.709	-0.0070	Pass	



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	680.5	75	0	-20	3.8	-1.276	-0.0019	Pass			
				-10	3.8	-0.683	-0.0010	Pass			
				0	3.8	-2.357	-0.0035	Pass			
				10	3.8	-1.956	-0.0029	Pass			
				30	3.8	-1.661	-0.0025	Pass			
				40	3.8	-2.327	-0.0035	Pass			
				50	3.8	-4.462	-0.0067	Pass			
	690.5	75	0	20	3.4	-4.280	-0.0063	Pass			
					3.8	1.802	0.0026	Pass			
					4.4	-5.939	-0.0087	Pass			
				-30	3.8	-2.323	-0.0034	Pass			
				-20	3.8	-1.992	-0.0029	Pass			
				-10	3.8	-1.952	-0.0029	Pass			
				0	3.8	-4.303	-0.0063	Pass			
				10	3.8	-4.978	-0.0073	Pass			
				30	3.8	-3.859	-0.0057	Pass			
				40	3.8	0.703	0.0010	Pass			
				50	3.8	-4.206	-0.0062	Pass			
				670.5	75	0	20	3.4	0.804	0.0012	Pass
								3.8	-4.896	-0.0071	Pass
								4.4	-3.671	-0.0053	Pass
	-30	3.8	0.490				0.0007	Pass			
	-20	3.8	-5.019				-0.0073	Pass			
	-10	3.8	-0.067				-0.0001	Pass			
	0	3.8	0.868				0.0013	Pass			
	10	3.8	-0.173				-0.0003	Pass			
	680.5	75	0	20	3.4	-0.817	-0.0012	Pass			
					3.8	-1.005	-0.0015	Pass			
4.4					-4.752	-0.0071	Pass				
-30				3.8	-2.223	-0.0033	Pass				
-20				3.8	-2.625	-0.0039	Pass				
-10				3.8	-0.015	0.0000	Pass				
0				3.8	-4.673	-0.0070	Pass				
10	3.8	-2.855	-0.0043	Pass							
64QAM	75	0	20	3.4	-2.938	-0.0043	Pass				
				3.8	-4.570	-0.0067	Pass				
				4.4	-0.412	-0.0006	Pass				
			-30	3.8	-0.767	-0.0011	Pass				
			-20	3.8	-4.631	-0.0068	Pass				
			-10	3.8	-3.053	-0.0045	Pass				
			0	3.8	-3.438	-0.0051	Pass				
			10	3.8	0.664	0.0010	Pass				



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	690.5	75	0	30	3.8	-6.881	-0.0101	Pass
				40	3.8	-0.025	0.0000	Pass
				50	3.8	-5.225	-0.0077	Pass
				20	3.4	0.599	0.0009	Pass
					3.8	-2.082	-0.0030	Pass
					4.4	-1.506	-0.0022	Pass
				-30	3.8	2.844	0.0041	Pass
				-20	3.8	-0.718	-0.0010	Pass
				-10	3.8	0.511	0.0007	Pass
				0	3.8	-3.393	-0.0049	Pass
				10	3.8	1.612	0.0023	Pass
				30	3.8	0.509	0.0007	Pass
				40	3.8	0.050	0.0001	Pass
50	3.8	-2.356	-0.0034	Pass				
256QAM	670.5	75	0	20	3.4	-3.390	-0.0051	Pass
					3.8	-0.478	-0.0007	Pass
					4.4	-4.876	-0.0073	Pass
				-30	3.8	-3.609	-0.0054	Pass
				-20	3.8	-2.785	-0.0042	Pass
				-10	3.8	-4.296	-0.0064	Pass
				0	3.8	2.090	0.0031	Pass
				10	3.8	-0.458	-0.0007	Pass
				30	3.8	-1.178	-0.0018	Pass
	40	3.8	-1.940	-0.0029	Pass			
	50	3.8	-1.552	-0.0023	Pass			
	680.5	75	0	20	3.4	-4.335	-0.0064	Pass
					3.8	-2.190	-0.0032	Pass
					4.4	-4.021	-0.0059	Pass
				-30	3.8	-3.767	-0.0055	Pass
				-20	3.8	0.032	0.0000	Pass
				-10	3.8	-5.010	-0.0074	Pass
				0	3.8	-3.246	-0.0048	Pass
				10	3.8	-4.578	-0.0067	Pass
30				3.8	-5.055	-0.0074	Pass	
40	3.8	-0.468	-0.0007	Pass				
50	3.8	-4.285	-0.0063	Pass				
690.5	75	0	20	3.4	-1.366	-0.0020	Pass	
				3.8	-3.491	-0.0051	Pass	
				4.4	2.749	0.0040	Pass	
			-30	3.8	-0.691	-0.0010	Pass	
			-20	3.8	-0.796	-0.0012	Pass	
			-10	3.8	-2.355	-0.0034	Pass	
			0	3.8	-0.336	-0.0005	Pass	
			10	3.8	-5.962	-0.0086	Pass	
			30	3.8	0.605	0.0009	Pass	
40	3.8	-1.953	-0.0028	Pass				
50	3.8	-2.293	-0.0033	Pass				



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2.4 B71_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz								
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)	Verdict
		Size	Offset				Result	
QPSK	673	100	0	20	3.4	-2.764	-0.0041	Pass
					3.8	-3.891	-0.0058	Pass
					4.4	-1.977	-0.0029	Pass
				-30	3.8	-1.399	-0.0021	Pass
				-20	3.8	-3.739	-0.0056	Pass
				-10	3.8	2.465	0.0037	Pass
				0	3.8	-0.777	-0.0012	Pass
				10	3.8	-1.191	-0.0018	Pass
				30	3.8	-4.107	-0.0061	Pass
				40	3.8	-10.491	-0.0156	Pass
	50	3.8	-2.413	-0.0036	Pass			
	683	100	0	20	3.4	1.759	0.0026	Pass
					3.8	-0.167	-0.0002	Pass
					4.4	2.525	0.0037	Pass
				-30	3.8	2.295	0.0034	Pass
				-20	3.8	1.895	0.0028	Pass
				-10	3.8	2.918	0.0043	Pass
				0	3.8	-1.840	-0.0027	Pass
				10	3.8	1.642	0.0024	Pass
				30	3.8	2.763	0.0040	Pass
				40	3.8	-1.050	-0.0015	Pass
	50	3.8	-0.836	-0.0012	Pass			
	688	100	0	20	3.4	-3.221	-0.0047	Pass
					3.8	-1.282	-0.0019	Pass
					4.4	-6.266	-0.0091	Pass
				-30	3.8	-1.015	-0.0015	Pass
				-20	3.8	-8.312	-0.0121	Pass
				-10	3.8	-3.084	-0.0045	Pass
				0	3.8	0.795	0.0012	Pass
				10	3.8	-4.730	-0.0069	Pass
30				3.8	-4.801	-0.0070	Pass	
40				3.8	-8.001	-0.0116	Pass	
50	3.8	-5.465	-0.0079	Pass				
16QAM	673	100	0	20	3.4	0.547	0.0008	Pass
					3.8	4.012	0.0060	Pass
					4.4	1.035	0.0015	Pass
				-30	3.8	0.398	0.0006	Pass



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				-20	3.8	-1.420	-0.0021	Pass			
				-10	3.8	-3.491	-0.0052	Pass			
				0	3.8	-5.040	-0.0075	Pass			
				10	3.8	1.033	0.0015	Pass			
				30	3.8	-1.013	-0.0015	Pass			
				40	3.8	-0.359	-0.0005	Pass			
				50	3.8	-3.032	-0.0045	Pass			
	683	100	0	20	3.4	1.716	0.0025	Pass			
					3.8	-0.934	-0.0014	Pass			
					4.4	-0.155	-0.0002	Pass			
				-30	3.8	2.974	0.0044	Pass			
				-20	3.8	-3.047	-0.0045	Pass			
				-10	3.8	-2.870	-0.0042	Pass			
				0	3.8	1.007	0.0015	Pass			
				10	3.8	3.059	0.0045	Pass			
				30	3.8	-1.446	-0.0021	Pass			
				40	3.8	1.373	0.0020	Pass			
				50	3.8	-1.428	-0.0021	Pass			
				688	100	0	20	3.4	-1.197	-0.0017	Pass
								3.8	1.275	0.0019	Pass
								4.4	-6.574	-0.0096	Pass
	-30	3.8	-4.153				-0.0060	Pass			
	-20	3.8	-5.988				-0.0087	Pass			
	-10	3.8	-4.032				-0.0059	Pass			
	0	3.8	-6.776				-0.0098	Pass			
	10	3.8	-6.510				-0.0095	Pass			
	30	3.8	-5.562				-0.0081	Pass			
	40	3.8	-5.142				-0.0075	Pass			
50	3.8	-4.972	-0.0072				Pass				
64QAM	673	100	0	20	3.4	-4.908	-0.0073	Pass			
					3.8	-1.941	-0.0029	Pass			
					4.4	-4.646	-0.0069	Pass			
				-30	3.8	-1.431	-0.0021	Pass			
				-20	3.8	-1.686	-0.0025	Pass			
				-10	3.8	-3.949	-0.0059	Pass			
				0	3.8	-0.365	-0.0005	Pass			
				10	3.8	0.754	0.0011	Pass			
				30	3.8	-3.044	-0.0045	Pass			
				40	3.8	-1.354	-0.0020	Pass			
				50	3.8	-0.386	-0.0006	Pass			
				683	100	0	20	3.4	1.440	0.0021	Pass
								3.8	-1.489	-0.0022	Pass
								4.4	-0.979	-0.0014	Pass
	-30	3.8	-1.543				-0.0023	Pass			
	-20	3.8	2.061				0.0030	Pass			
	-10	3.8	2.222				0.0033	Pass			
	0	3.8	0.311				0.0005	Pass			
	10	3.8	0.616	0.0009	Pass						



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				30	3.8	-3.807	-0.0056	Pass			
				40	3.8	-3.628	-0.0053	Pass			
				50	3.8	-3.085	-0.0045	Pass			
				20	3.4	-4.352	-0.0063	Pass			
					3.8	-1.629	-0.0024	Pass			
					4.4	-0.827	-0.0012	Pass			
				-30	3.8	-5.415	-0.0079	Pass			
				-20	3.8	-5.791	-0.0084	Pass			
				-10	3.8	-3.651	-0.0053	Pass			
				0	3.8	-1.445	-0.0021	Pass			
				10	3.8	-3.345	-0.0049	Pass			
				30	3.8	0.348	0.0005	Pass			
				40	3.8	-3.282	-0.0048	Pass			
				50	3.8	-0.012	0.0000	Pass			
256QAM	673	100	0	20	3.4	3.110	0.0046	Pass			
					3.8	-4.898	-0.0073	Pass			
					4.4	-3.847	-0.0057	Pass			
				-30	3.8	-0.314	-0.0005	Pass			
				-20	3.8	-2.826	-0.0042	Pass			
				-10	3.8	-4.900	-0.0073	Pass			
				0	3.8	1.018	0.0015	Pass			
				10	3.8	-1.831	-0.0027	Pass			
				30	3.8	-1.299	-0.0019	Pass			
				40	3.8	-2.426	-0.0036	Pass			
				50	3.8	-2.661	-0.0040	Pass			
				683	100	0	20	3.4	-1.143	-0.0017	Pass
								3.8	2.986	0.0044	Pass
								4.4	-1.804	-0.0026	Pass
-30	3.8	-1.295	-0.0019				Pass				
-20	3.8	-1.998	-0.0029				Pass				
-10	3.8	2.772	0.0041				Pass				
0	3.8	2.728	0.0040				Pass				
10	3.8	-0.018	0.0000				Pass				
30	3.8	0.267	0.0004	Pass							
40	3.8	-1.491	-0.0022	Pass							
50	3.8	0.671	0.0010	Pass							
688	100	0	20	3.4	-0.626	-0.0009	Pass				
				3.8	-2.363	-0.0034	Pass				
				4.4	-1.484	-0.0022	Pass				
			-30	3.8	-1.665	-0.0024	Pass				
			-20	3.8	-5.842	-0.0085	Pass				
			-10	3.8	-2.933	-0.0043	Pass				
			0	3.8	-5.215	-0.0076	Pass				
			10	3.8	-0.864	-0.0013	Pass				
30	3.8	-4.187	-0.0061	Pass							
40	3.8	-3.823	-0.0056	Pass							
50	3.8	-3.122	-0.0045	Pass							



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3. 99% & 26dB Bandwidth

3.1 Band71_OBW

3.1.1 Test Result

Band: 71 / NTVN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.542	/	Pass
		680.5	25	0	4.551	/	Pass
		695.5	25	0	4.557	/	Pass
	16QAM	665.5	25	0	4.574	/	Pass
		680.5	25	0	4.549	/	Pass
		695.5	25	0	4.541	/	Pass
	64QAM	665.5	25	0	4.549	/	Pass
		680.5	25	0	4.551	/	Pass
		695.5	25	0	4.542	/	Pass
	256QAM	665.5	25	0	4.545	/	Pass
		680.5	25	0	4.556	/	Pass
		695.5	25	0	4.567	/	Pass
10	QPSK	668	50	0	9.045	/	Pass
		680.5	50	0	9.055	/	Pass
		693	50	0	9.061	/	Pass
	16QAM	668	50	0	9.088	/	Pass
		680.5	50	0	9.071	/	Pass
		693	50	0	9.041	/	Pass
	64QAM	668	50	0	9.033	/	Pass
		680.5	50	0	9.050	/	Pass
		693	50	0	9.065	/	Pass
	256QAM	668	50	0	9.072	/	Pass
		680.5	50	0	9.076	/	Pass
		693	50	0	9.059	/	Pass
15	QPSK	670.5	75	0	13.584	/	Pass
		680.5	75	0	13.609	/	Pass
		690.5	75	0	13.552	/	Pass
	16QAM	670.5	75	0	13.549	/	Pass
		680.5	75	0	13.641	/	Pass
		690.5	75	0	13.575	/	Pass
	64QAM	670.5	75	0	13.572	/	Pass
		680.5	75	0	13.619	/	Pass
		690.5	75	0	13.577	/	Pass
	256QAM	670.5	75	0	13.548	/	Pass
		680.5	75	0	13.646	/	Pass
		690.5	75	0	13.546	/	Pass
20	QPSK	673	100	0	18.055	/	Pass



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		683	100	0	18.090	/	Pass
		688	100	0	18.084	/	Pass
	16QAM	673	100	0	18.129	/	Pass
		683	100	0	18.107	/	Pass
	64QAM	688	100	0	18.065	/	Pass
		673	100	0	17.970	/	Pass
		683	100	0	18.095	/	Pass
		688	100	0	18.111	/	Pass
	256QAM	673	100	0	18.069	/	Pass
		683	100	0	18.152	/	Pass
		688	100	0	18.053	/	Pass



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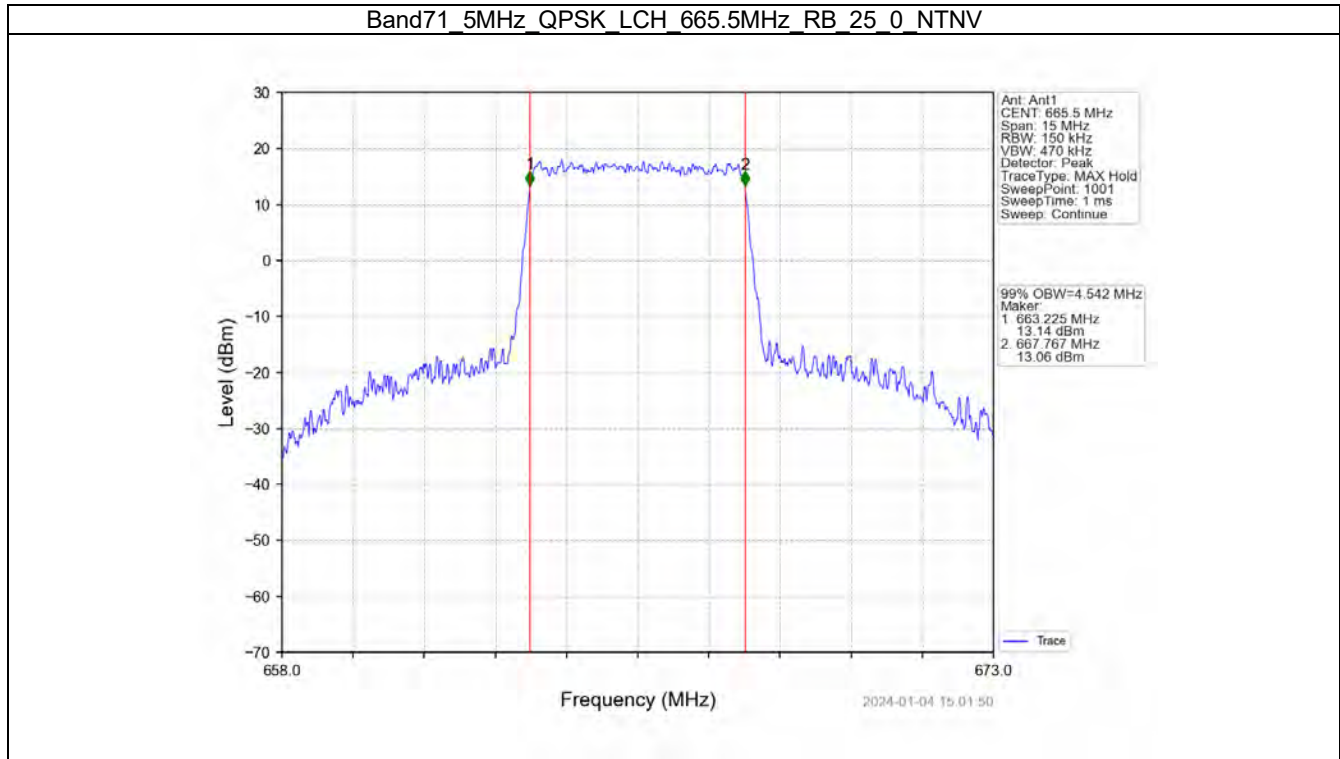
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3.1.2 Test Graph



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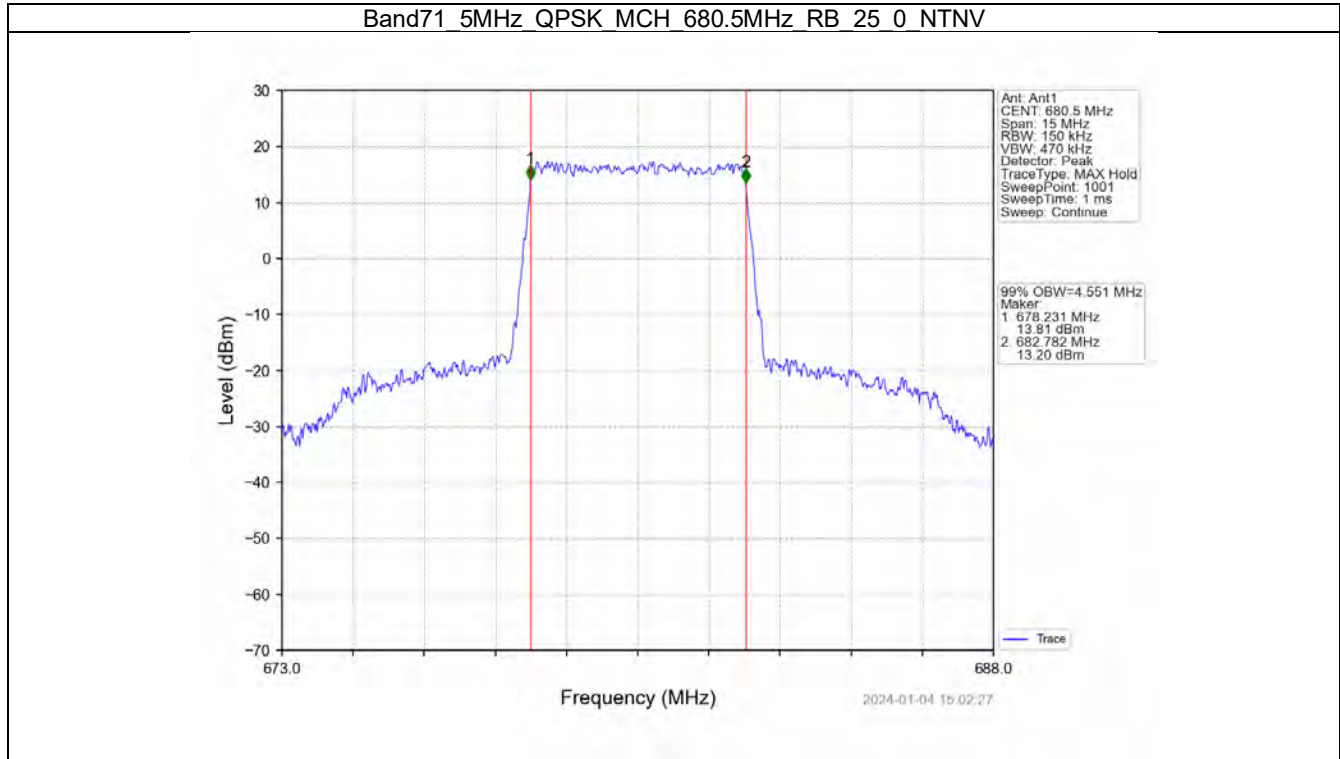
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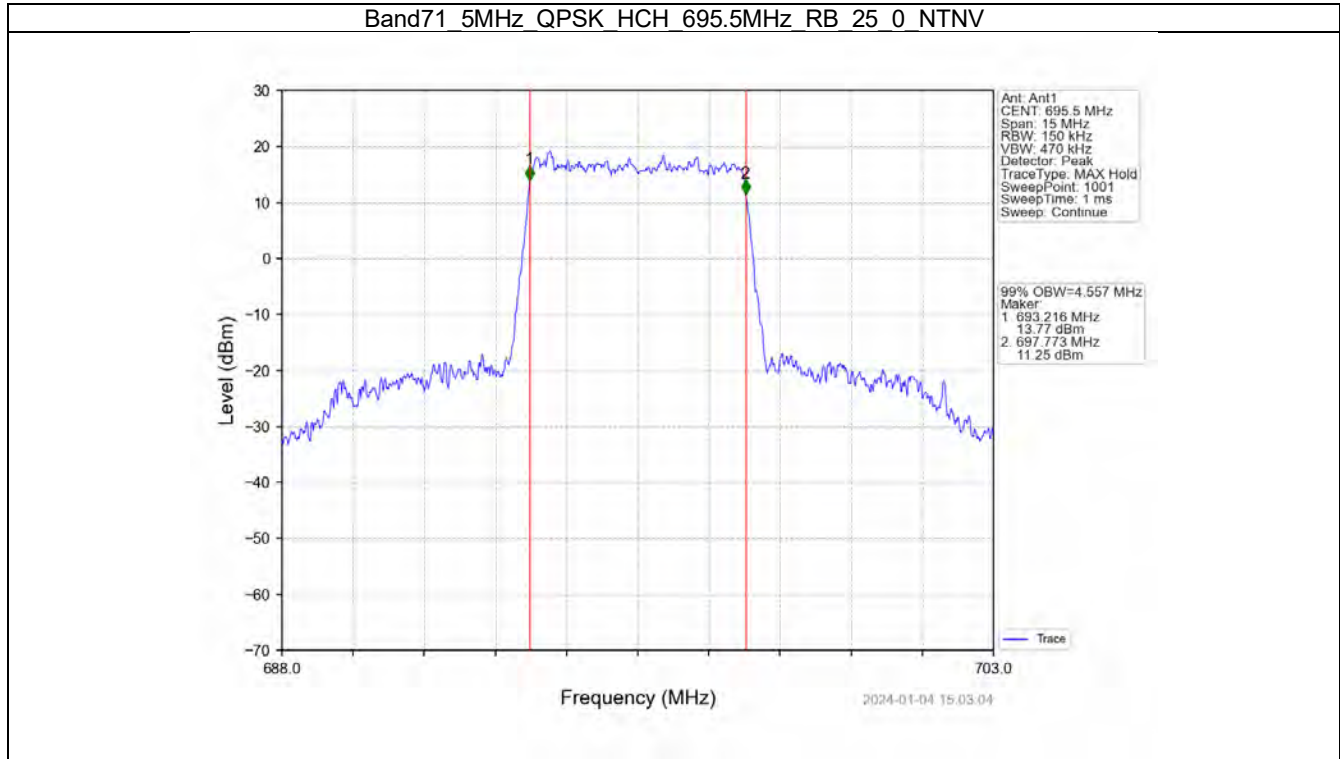
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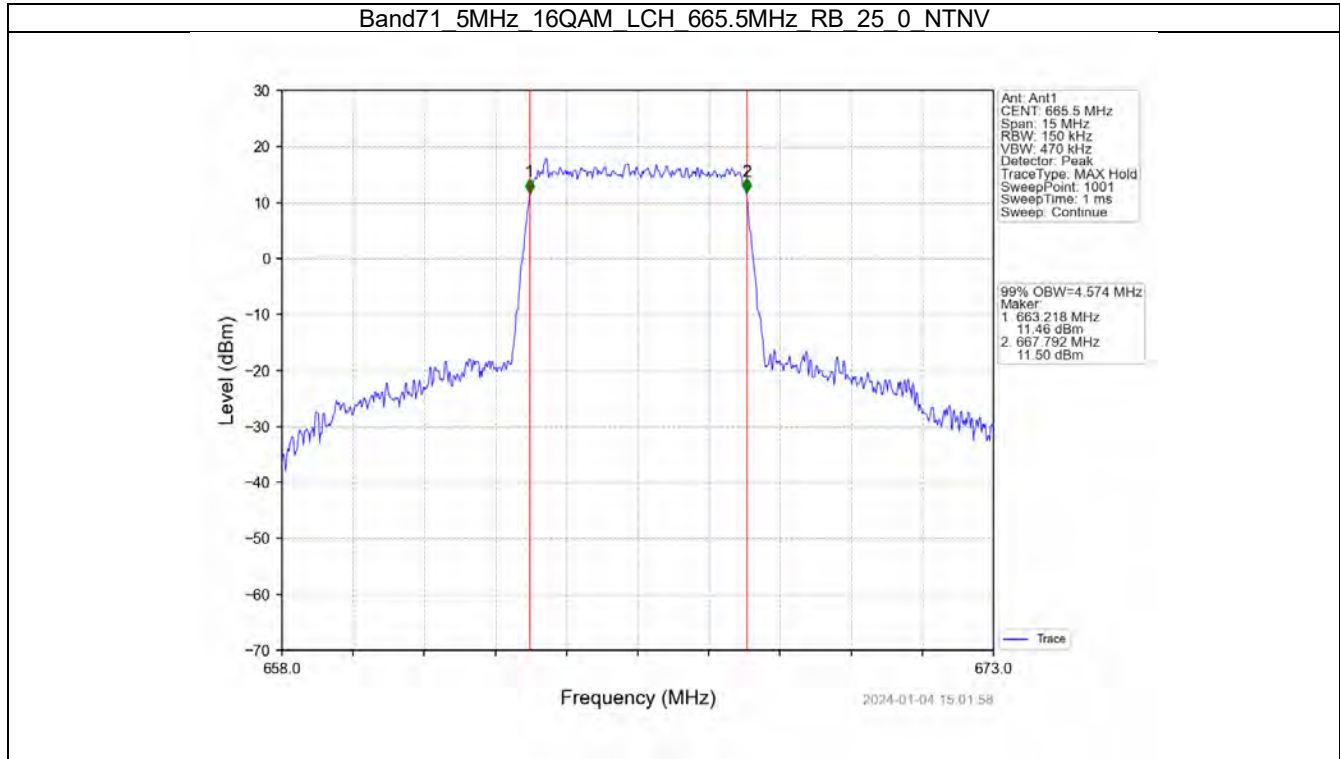
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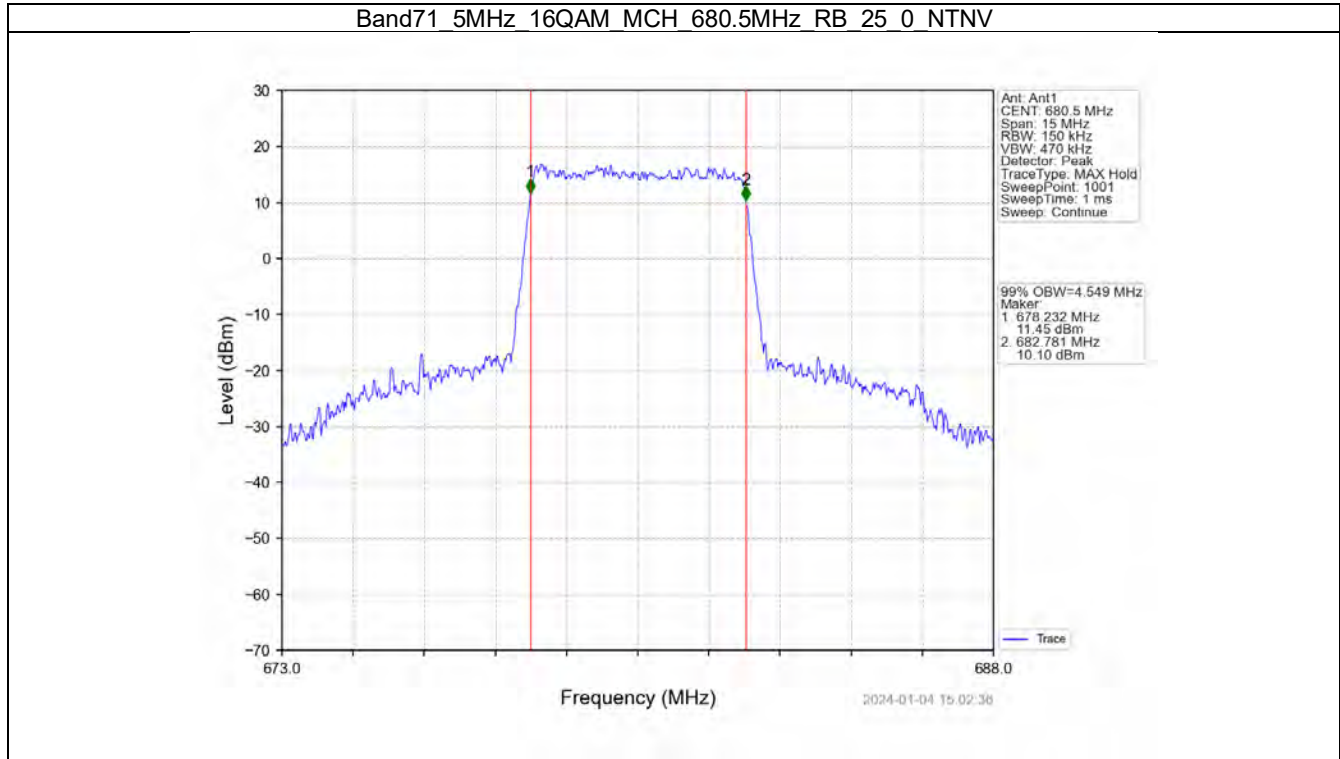
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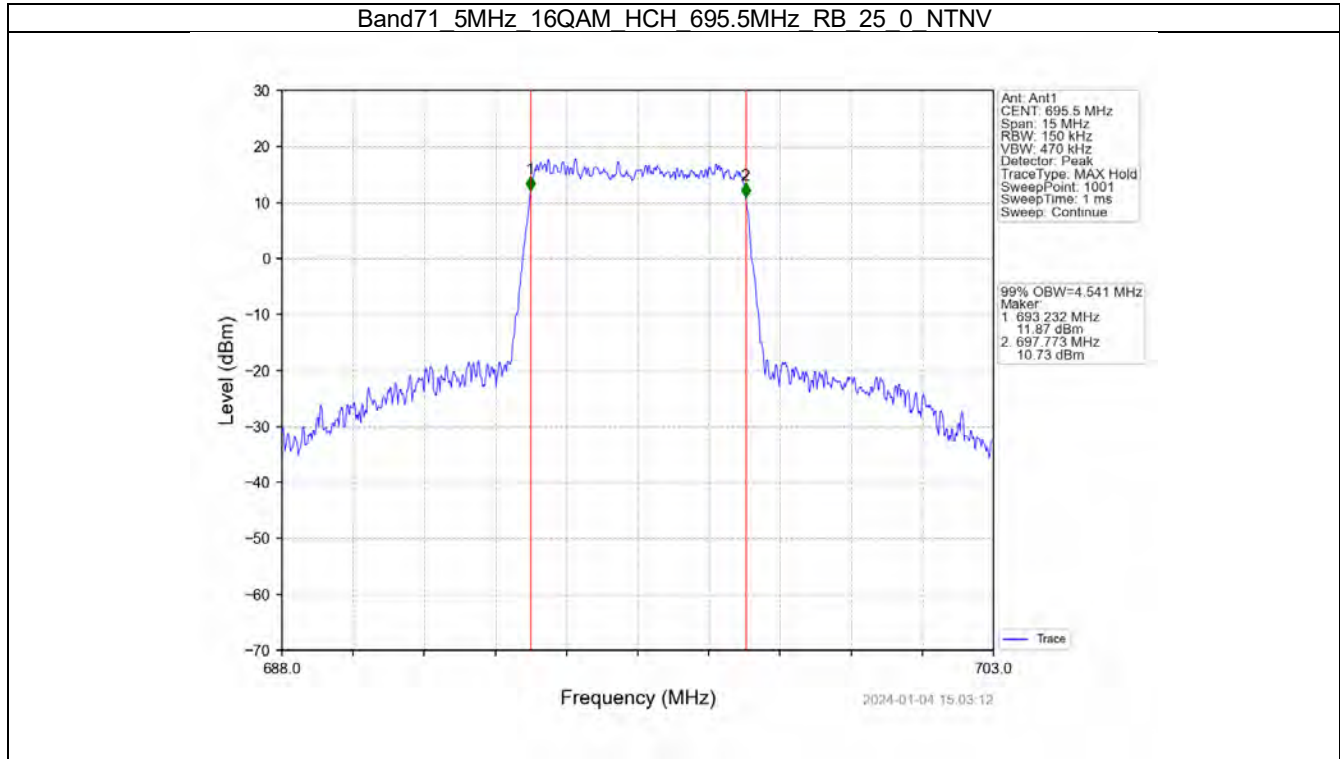
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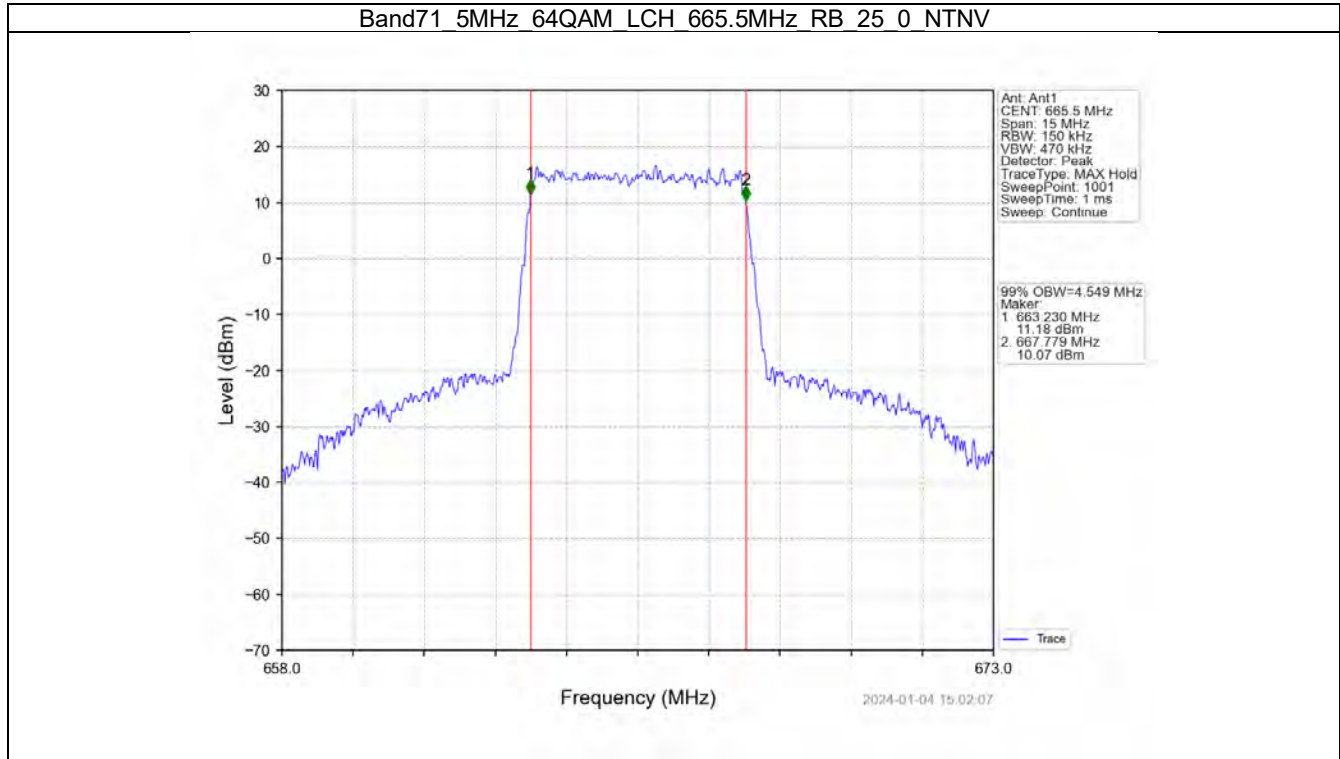
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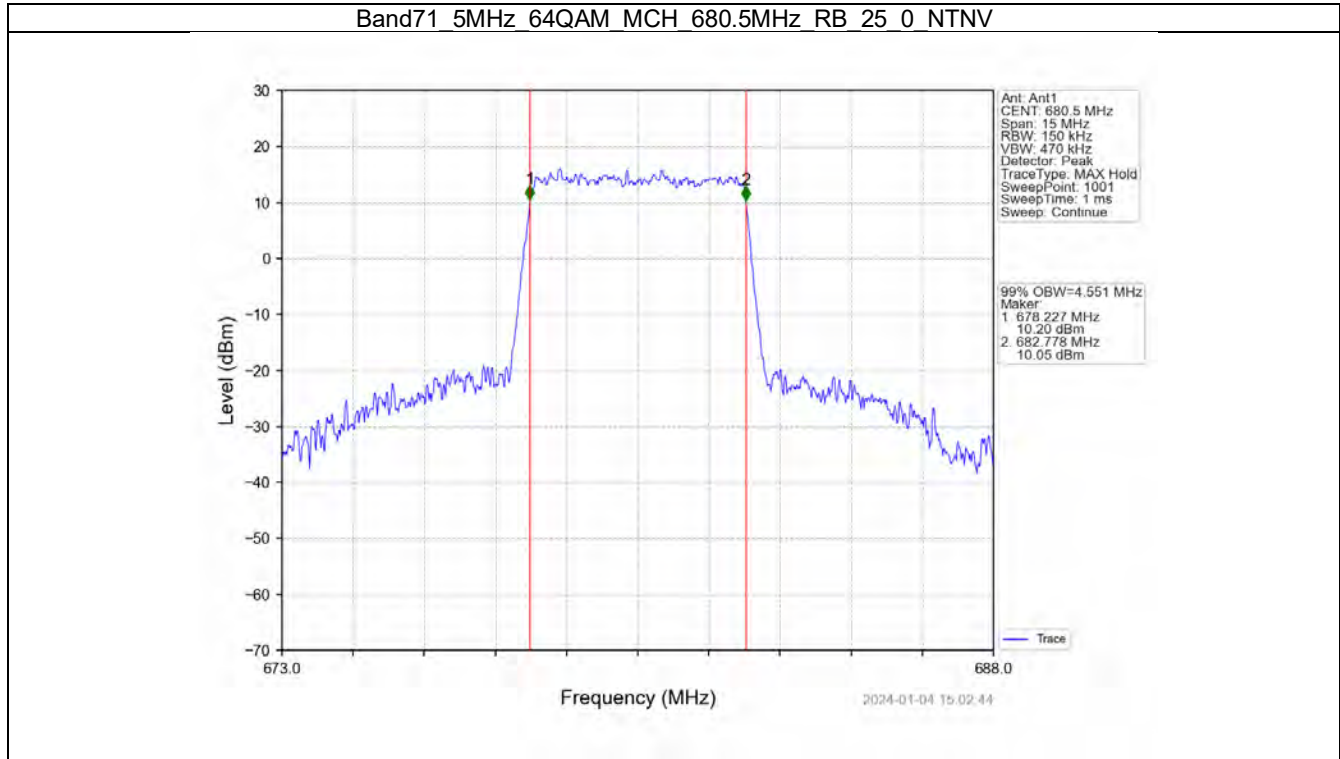
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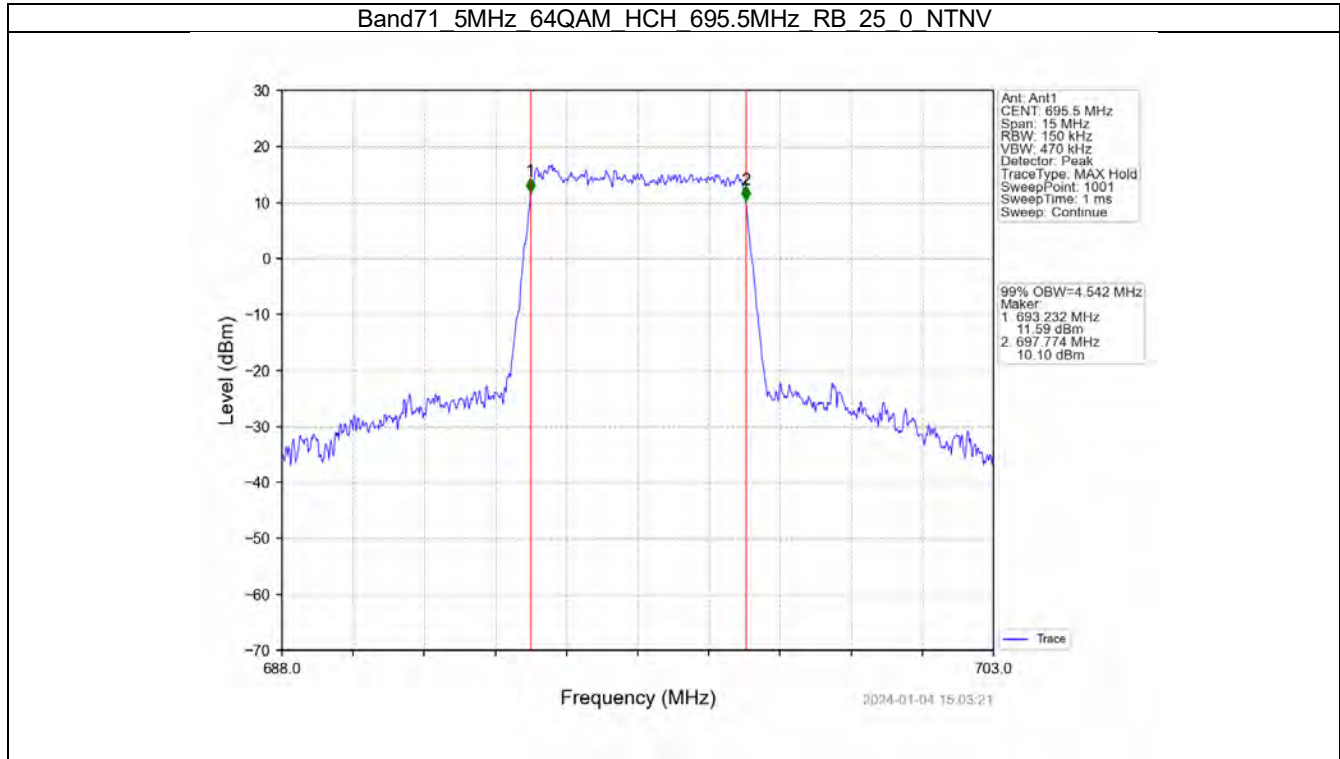
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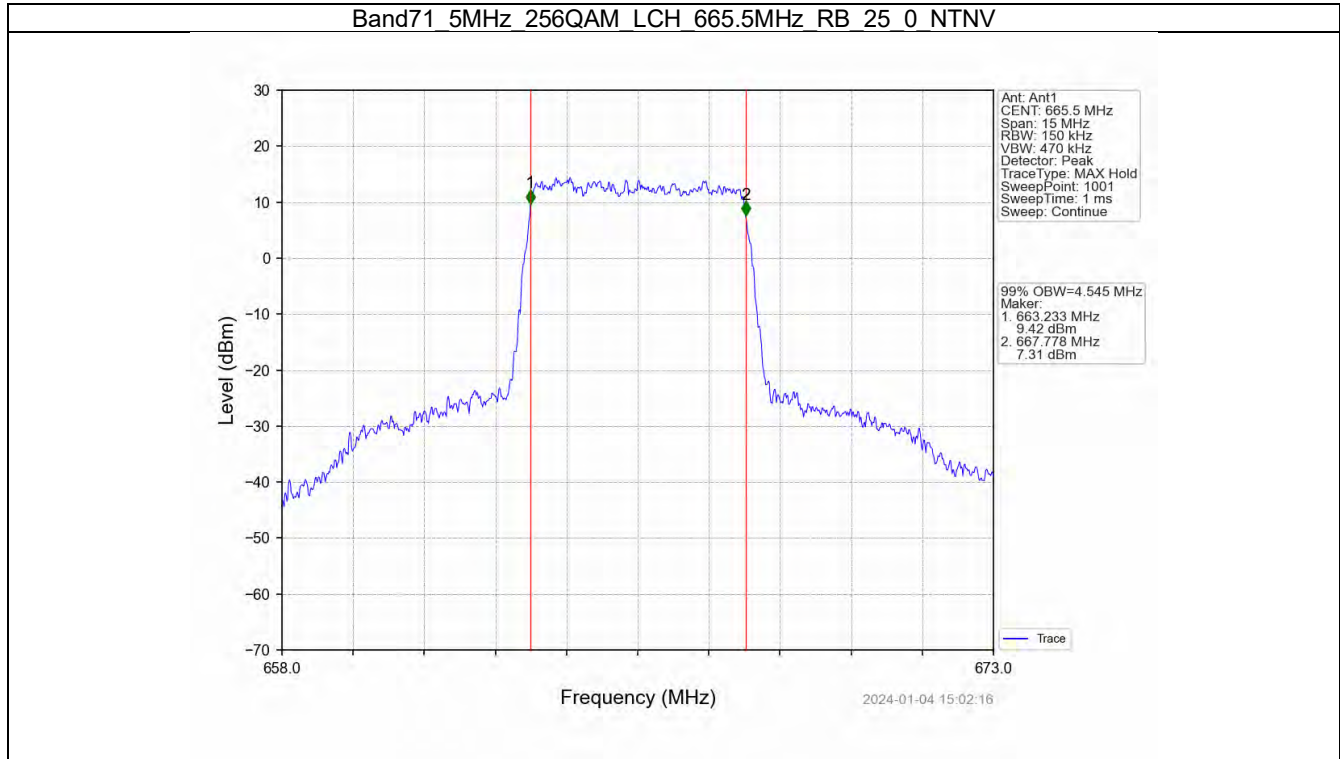
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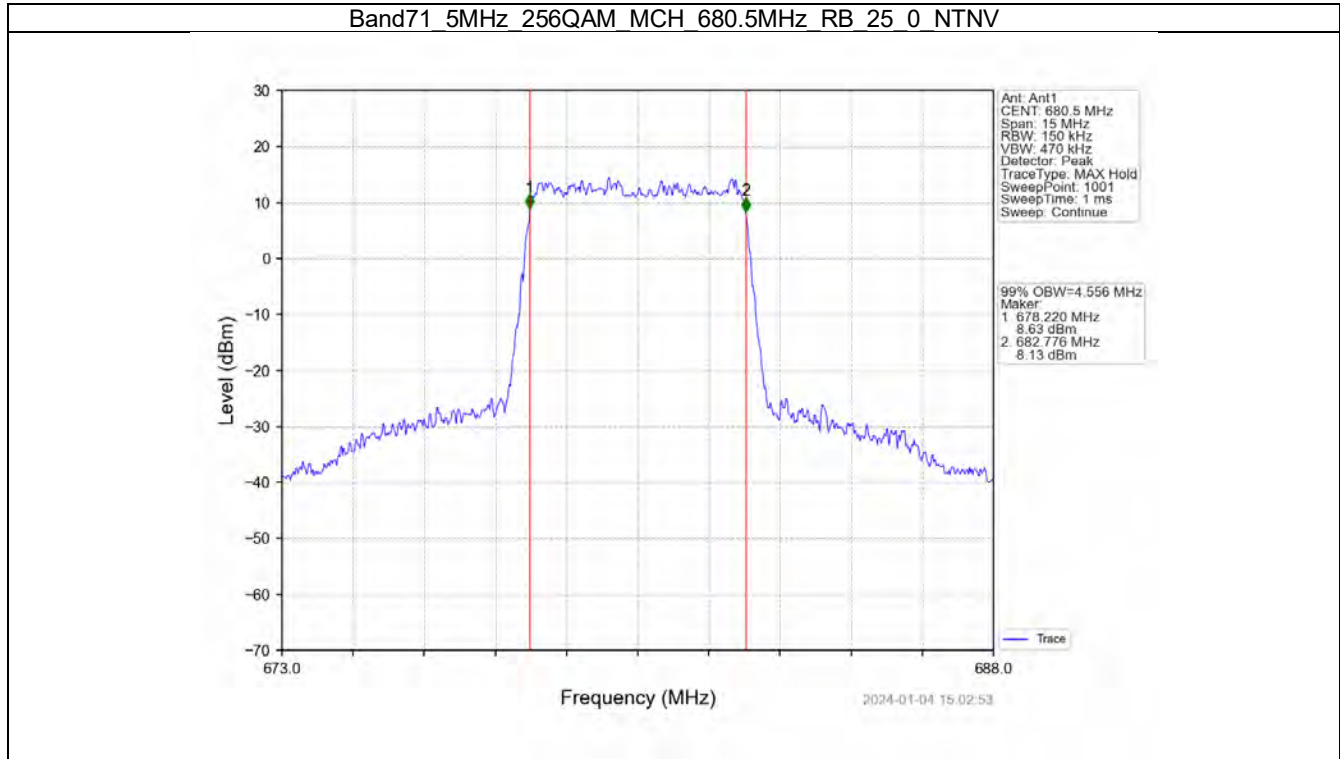
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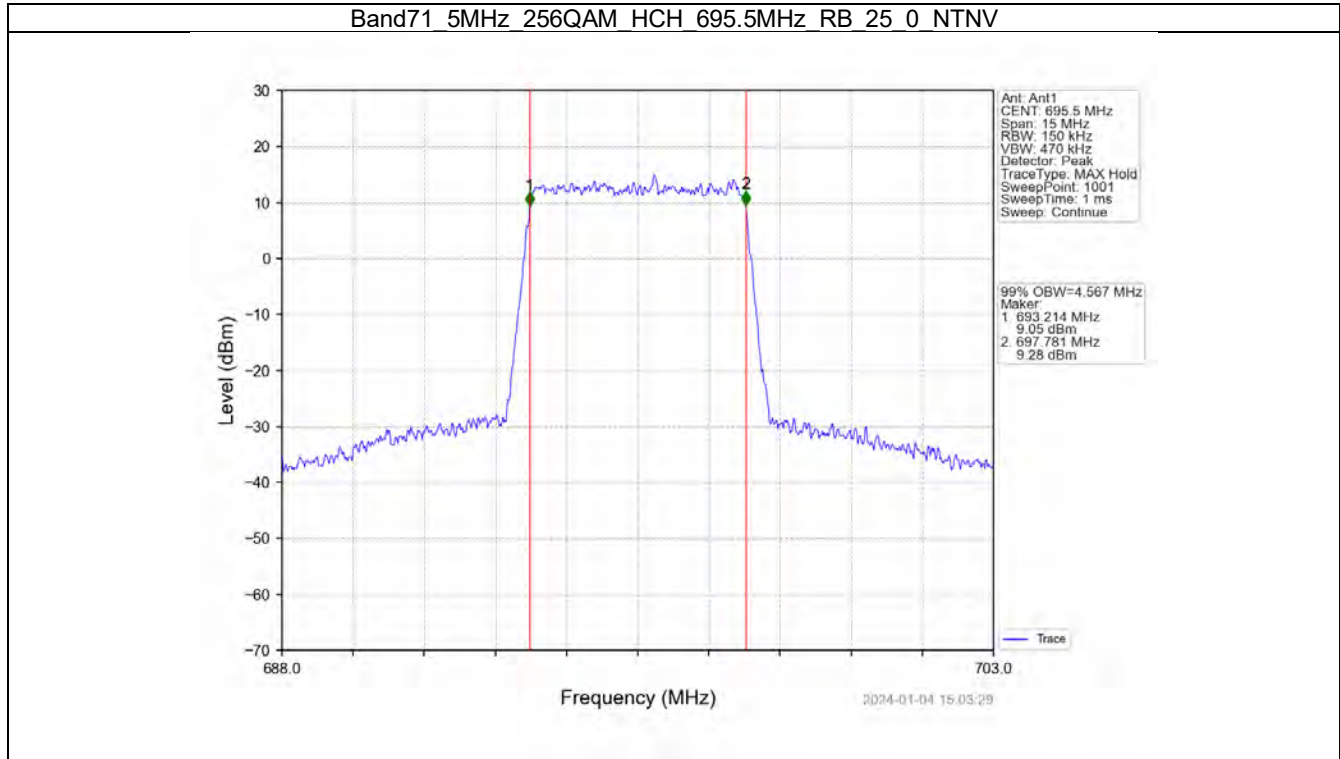
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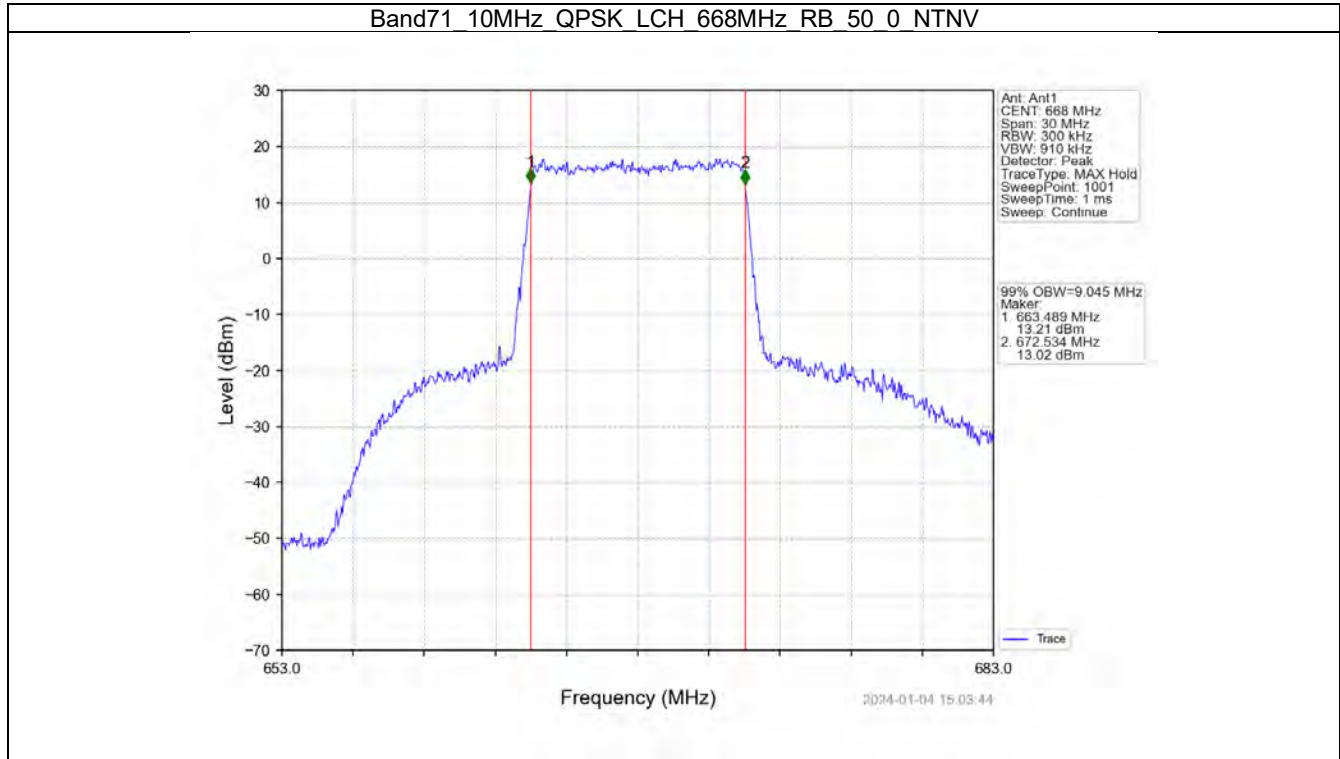
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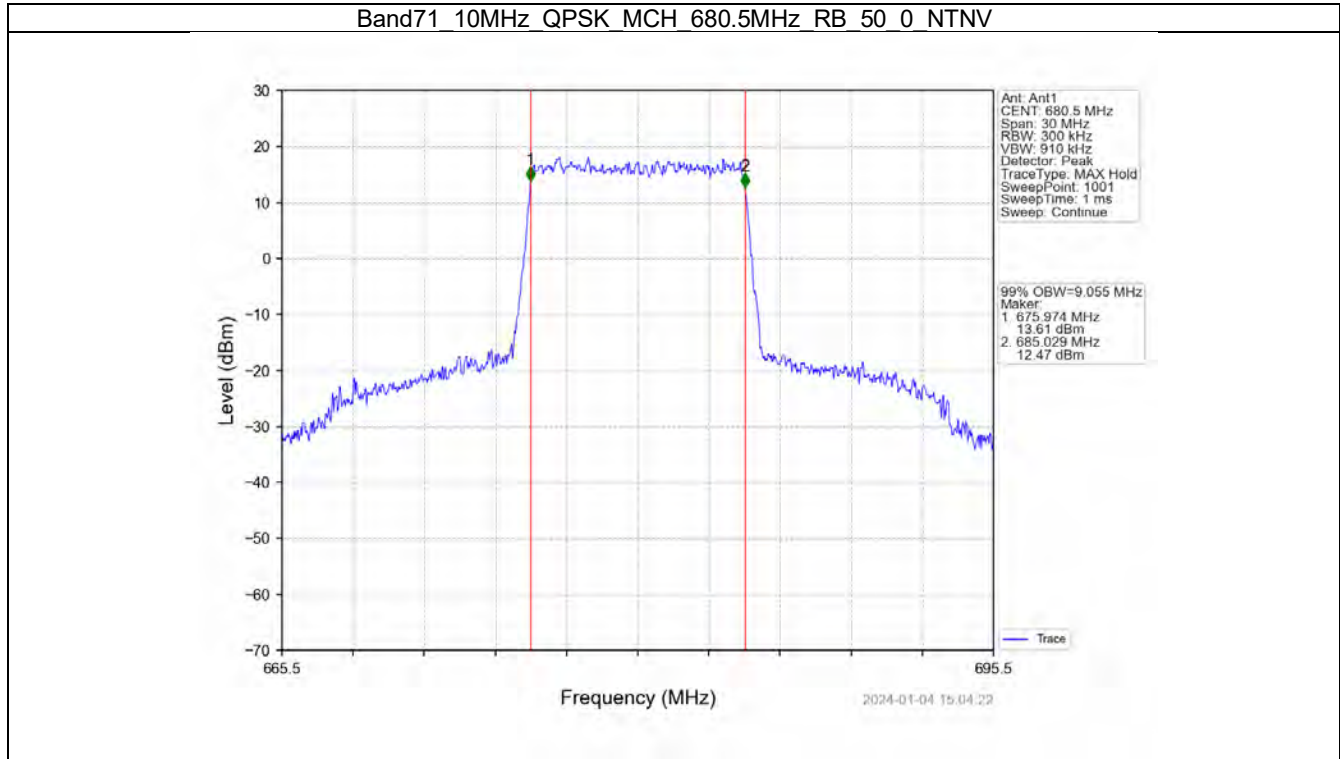
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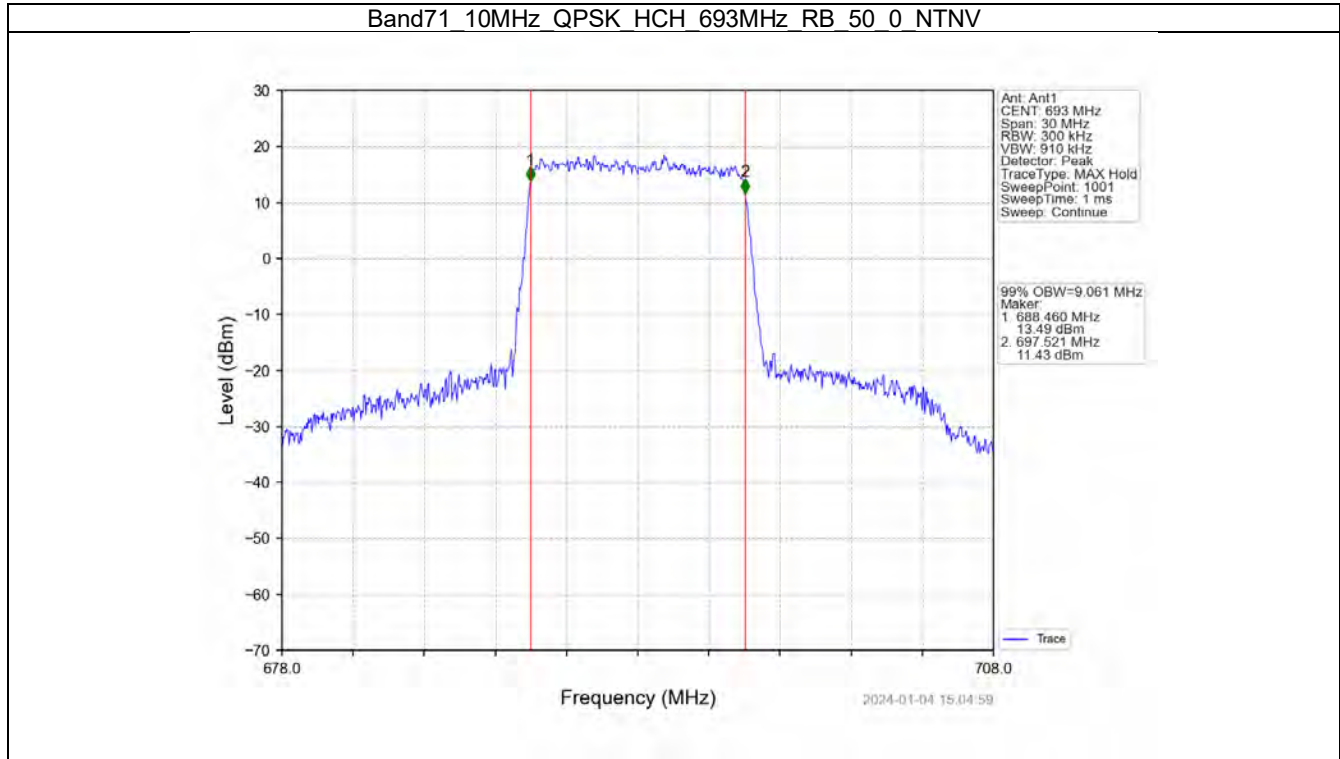
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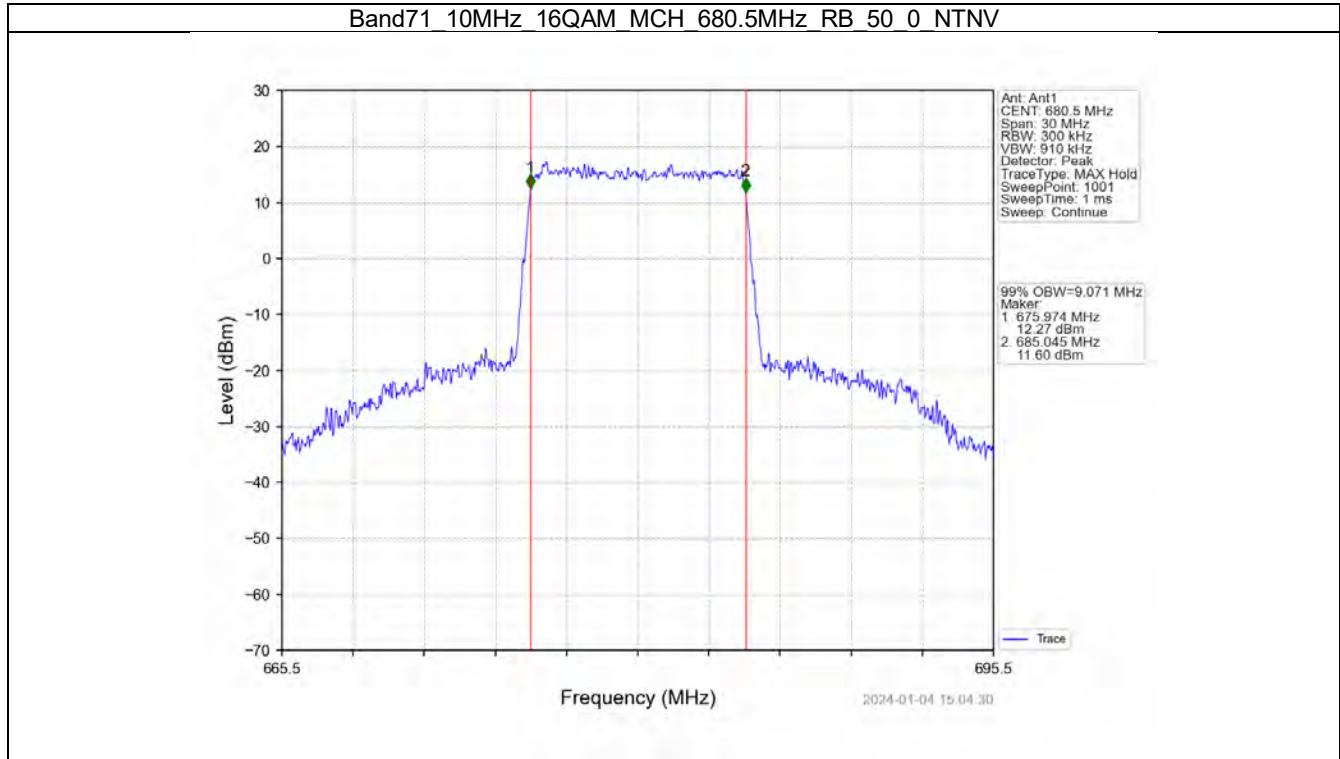
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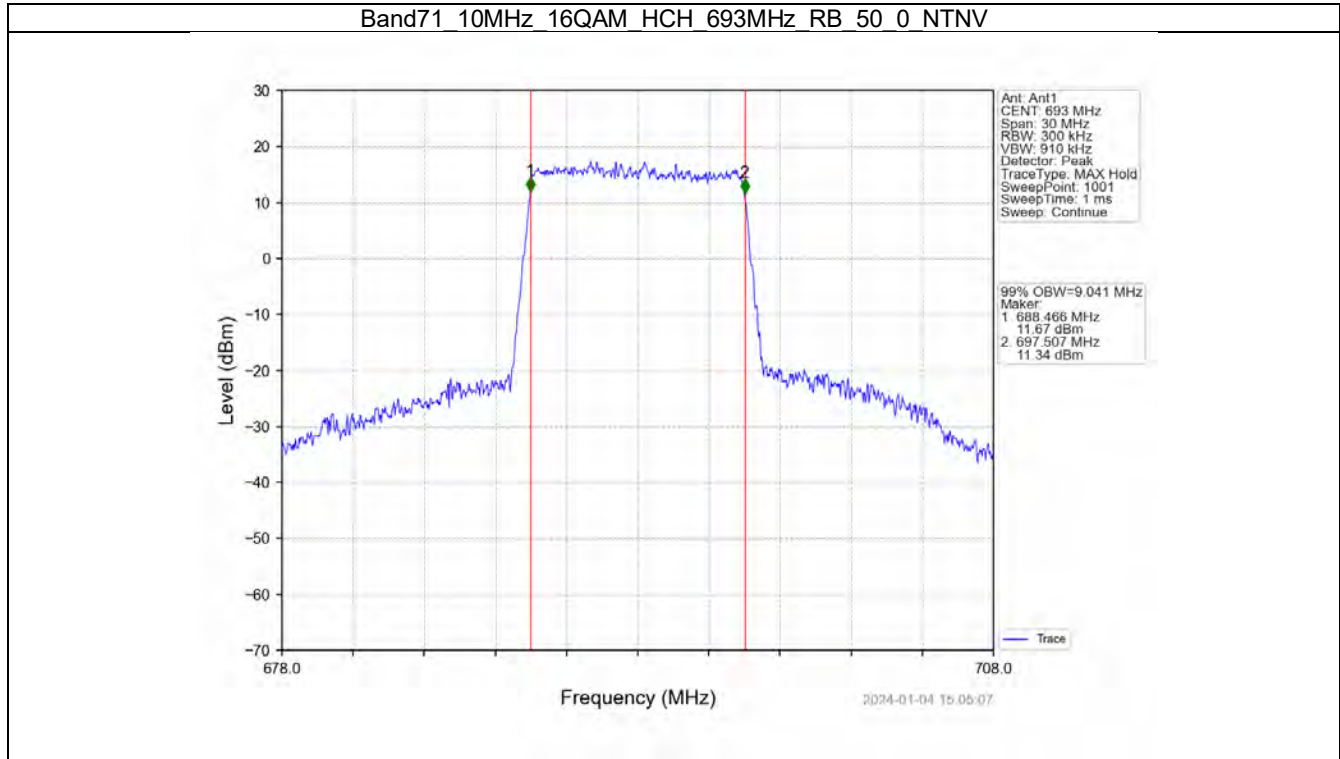
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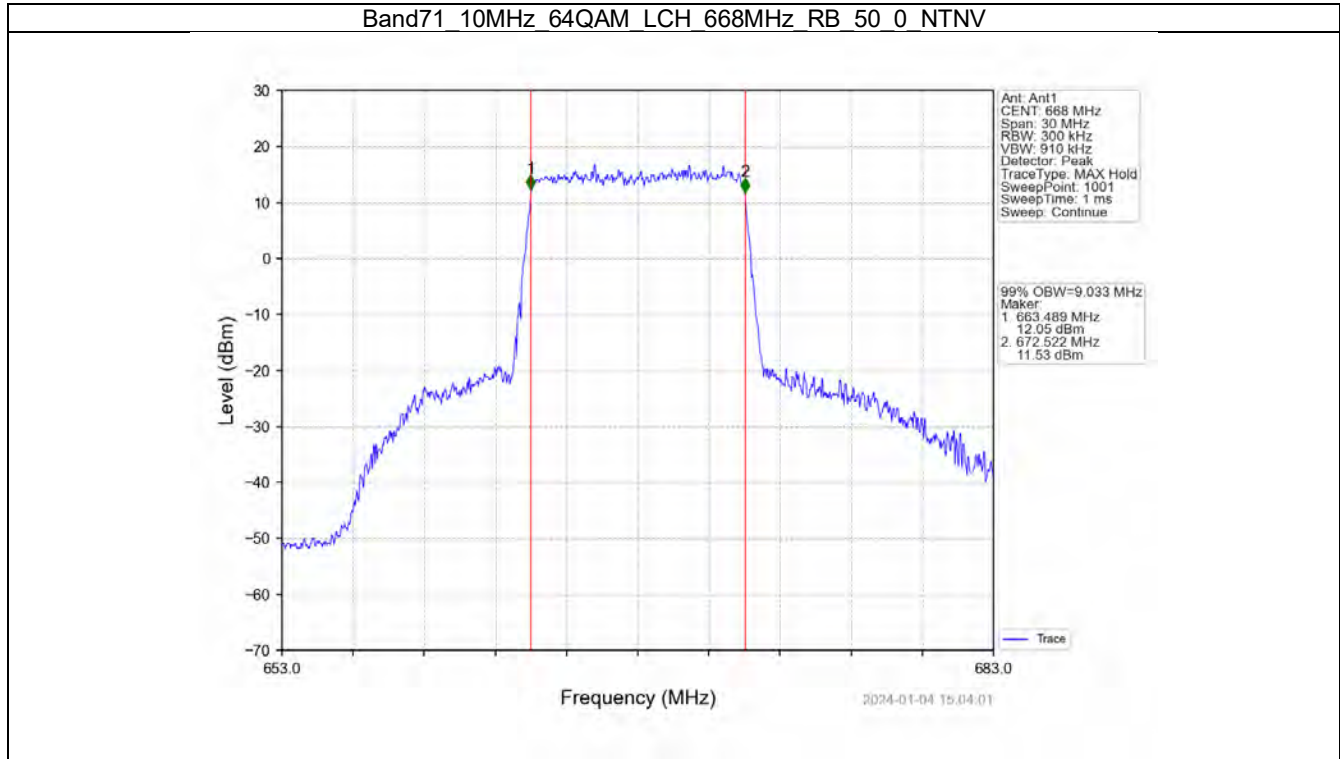
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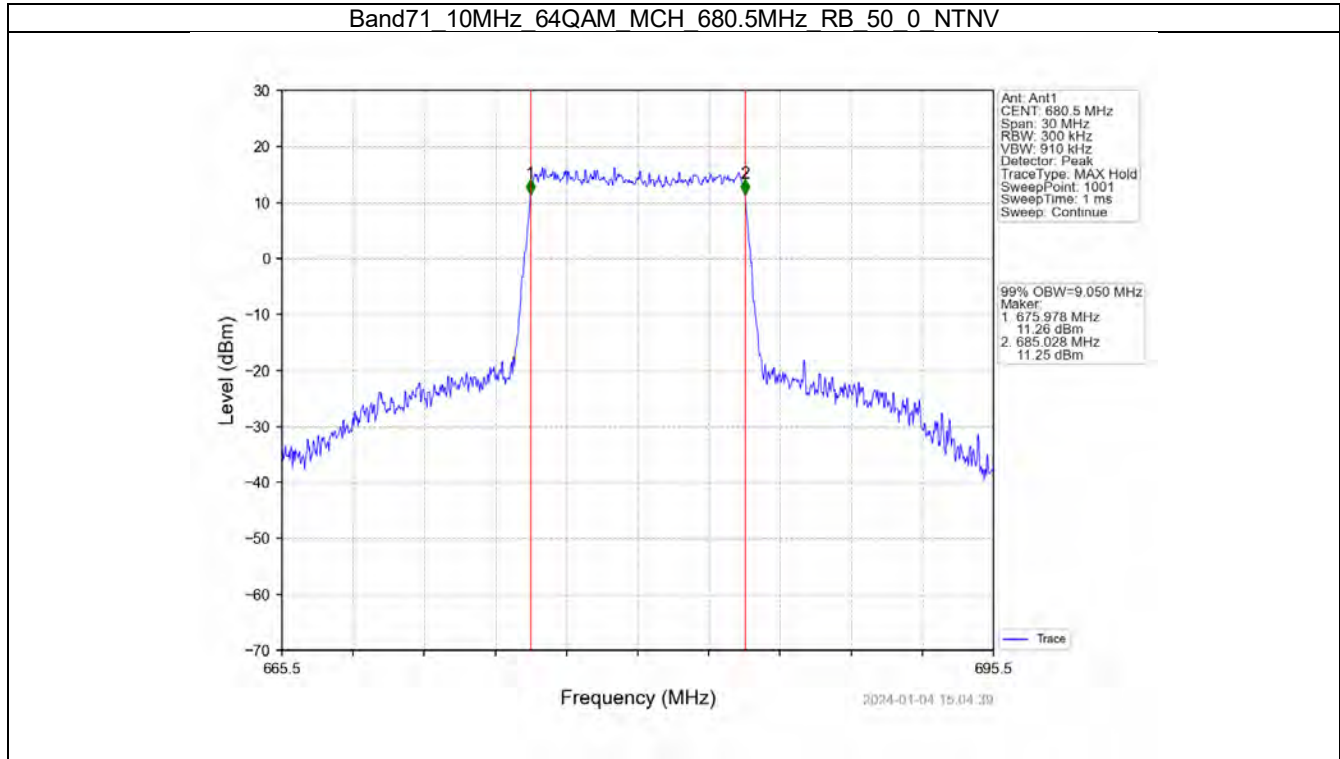
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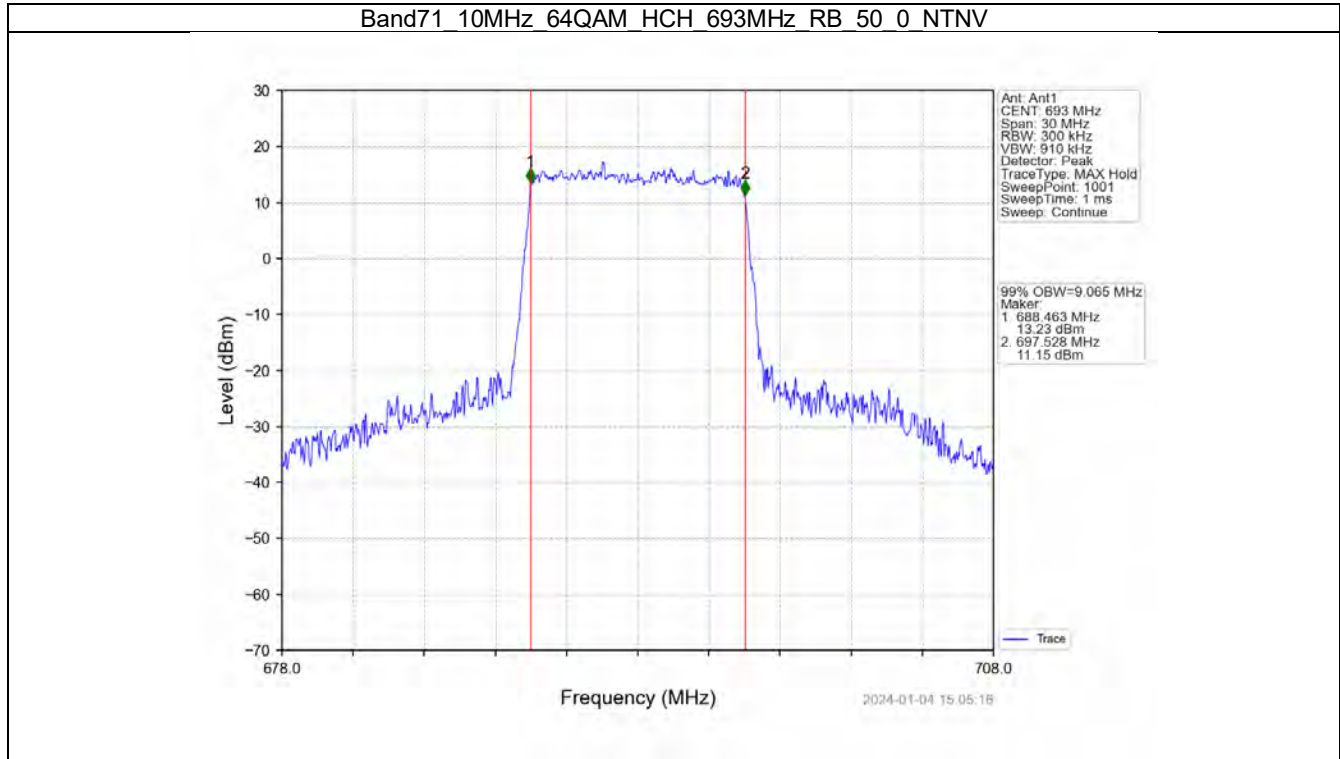
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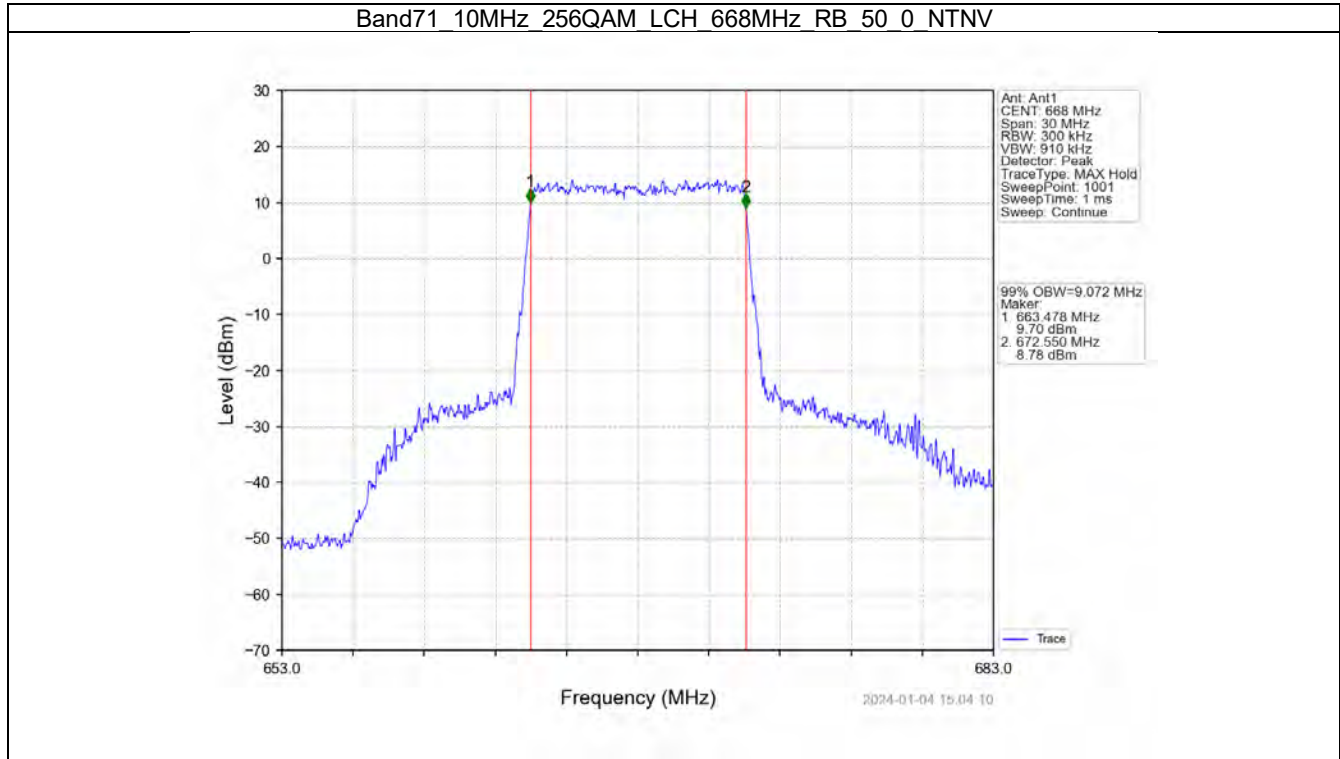
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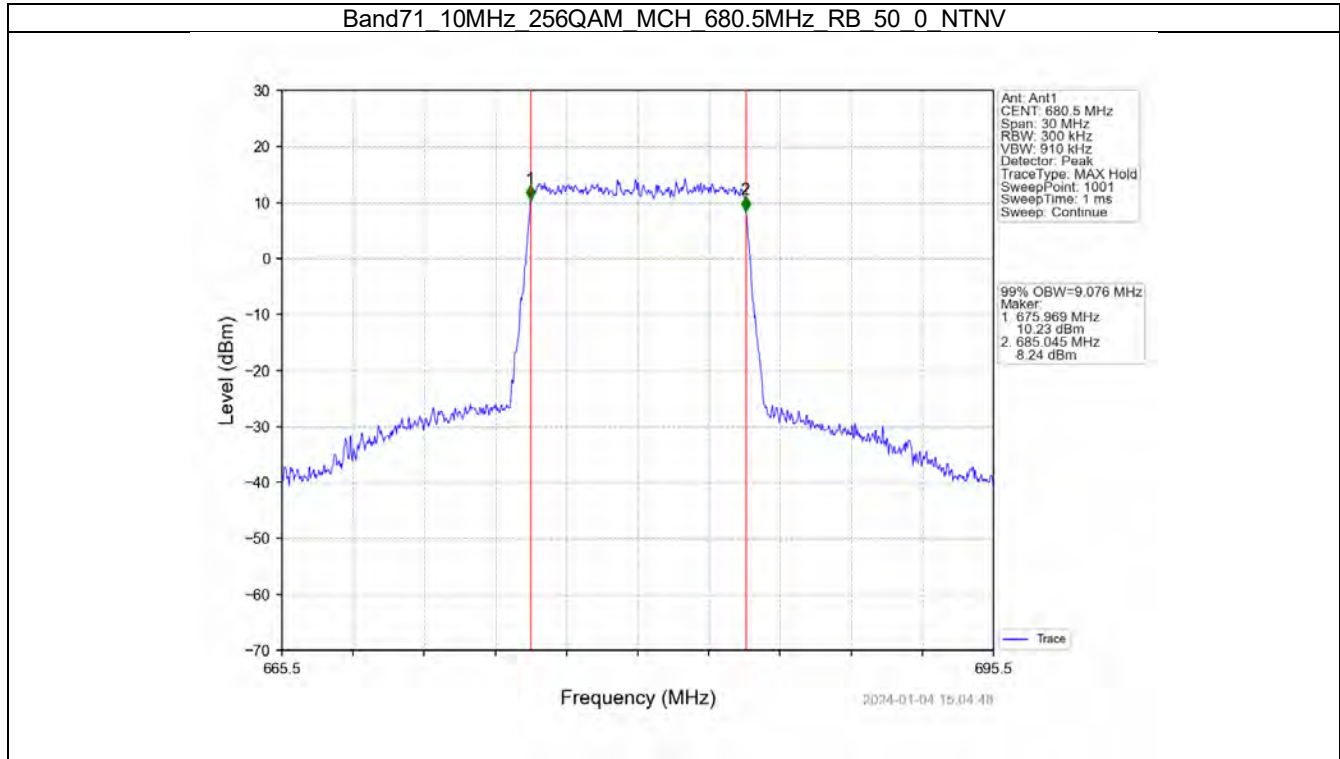
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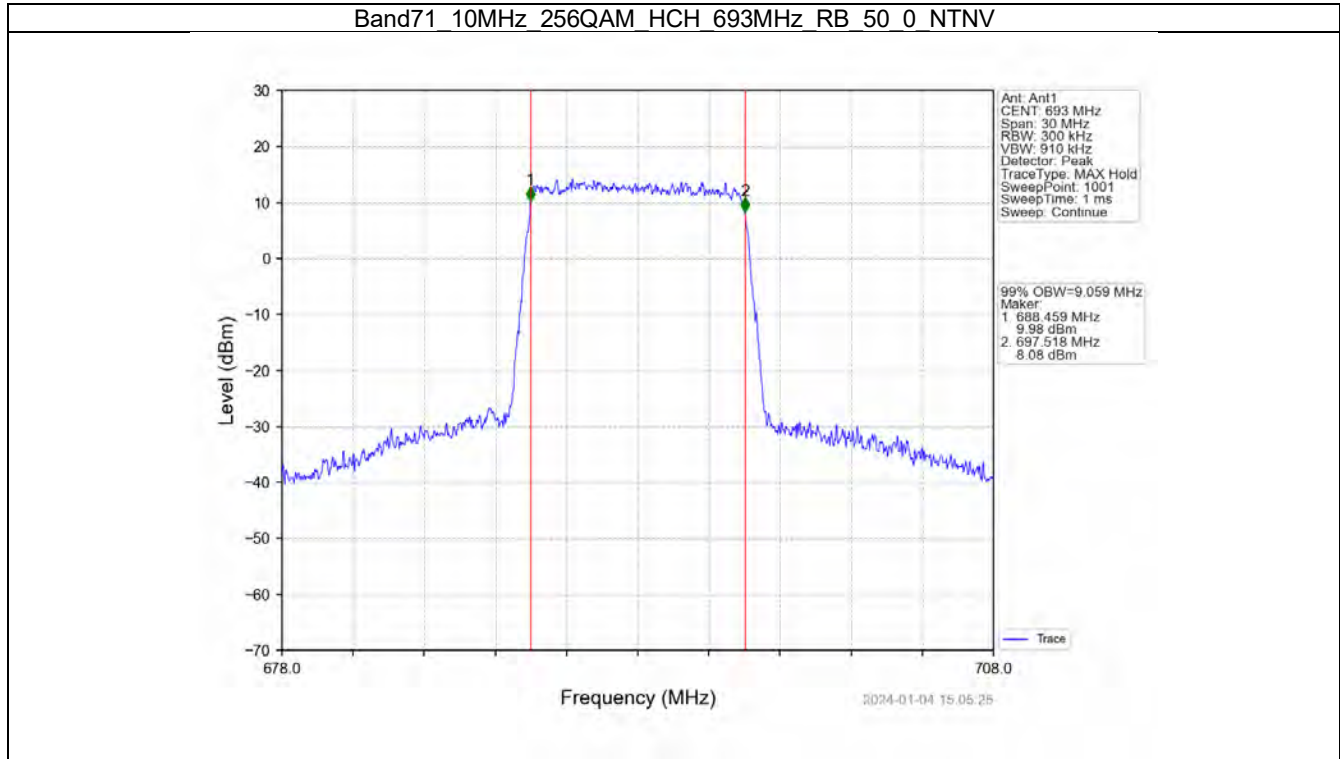
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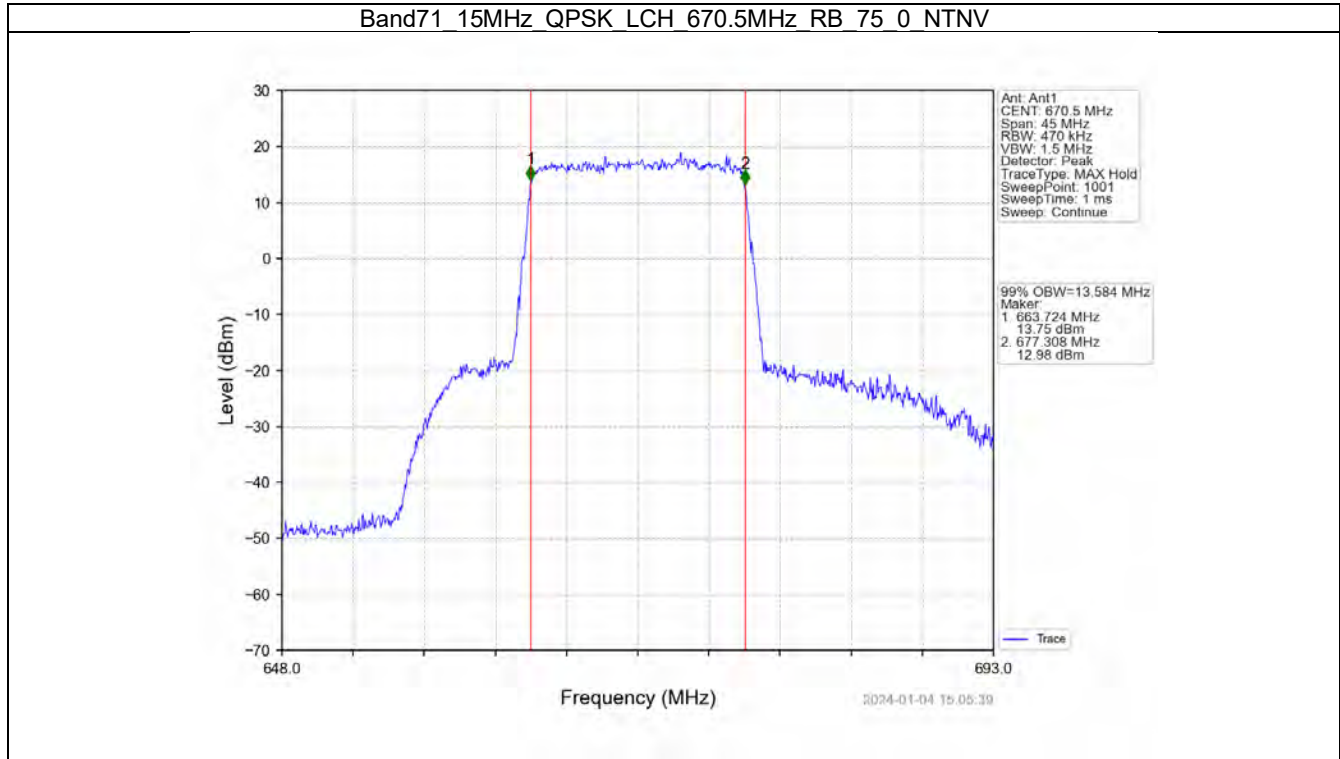
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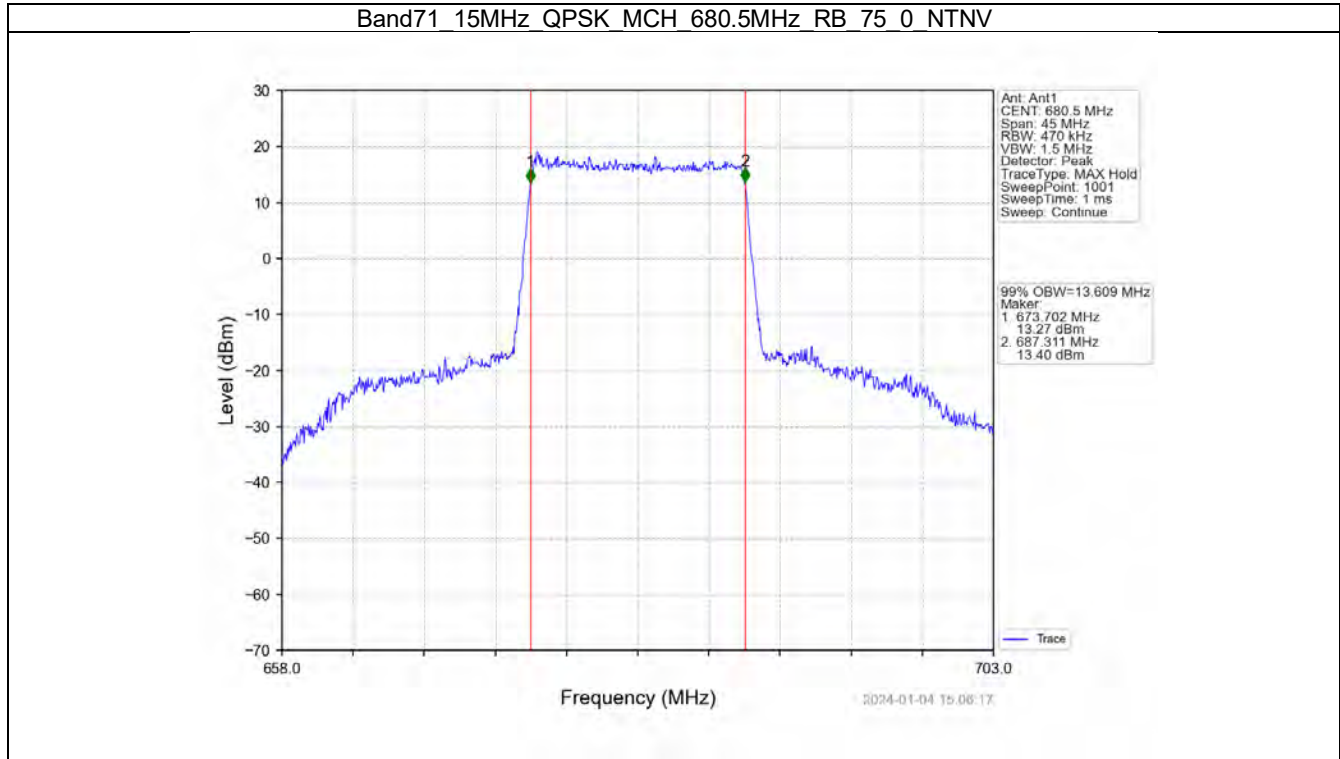
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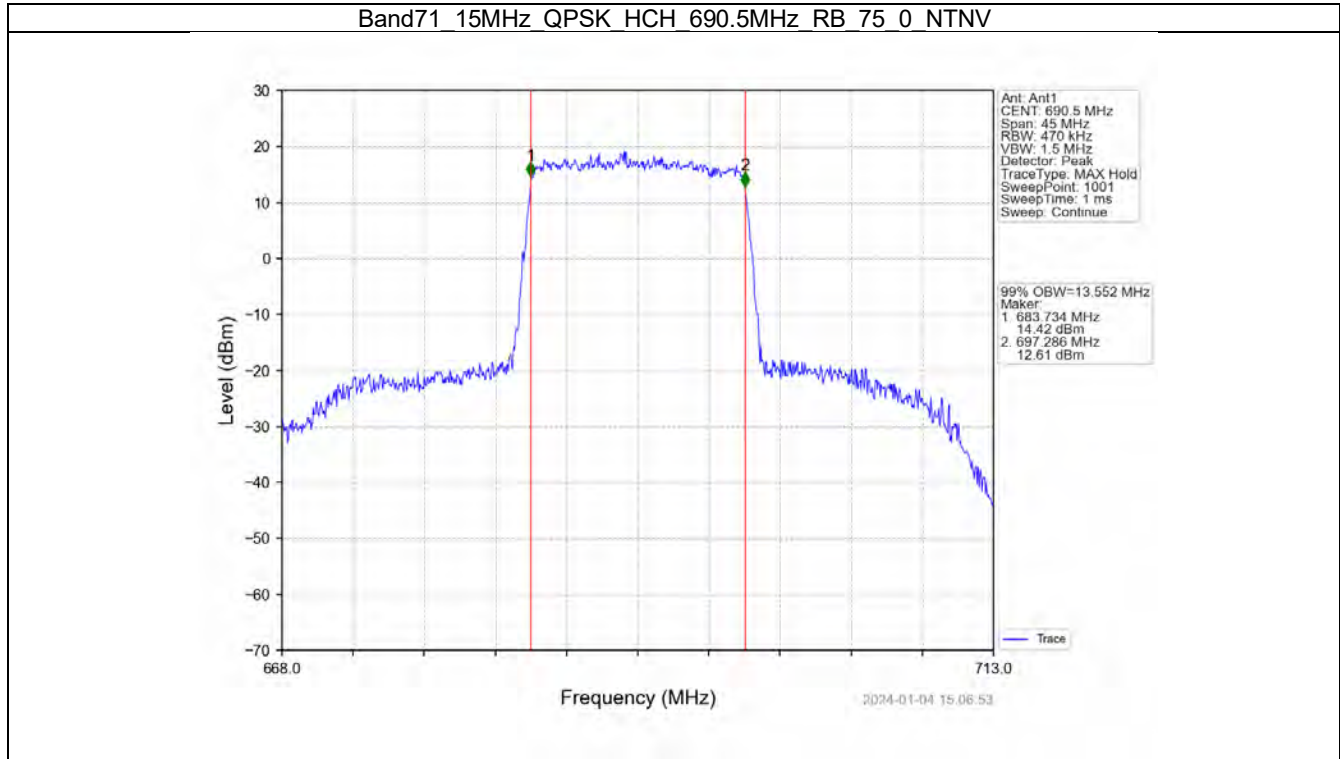
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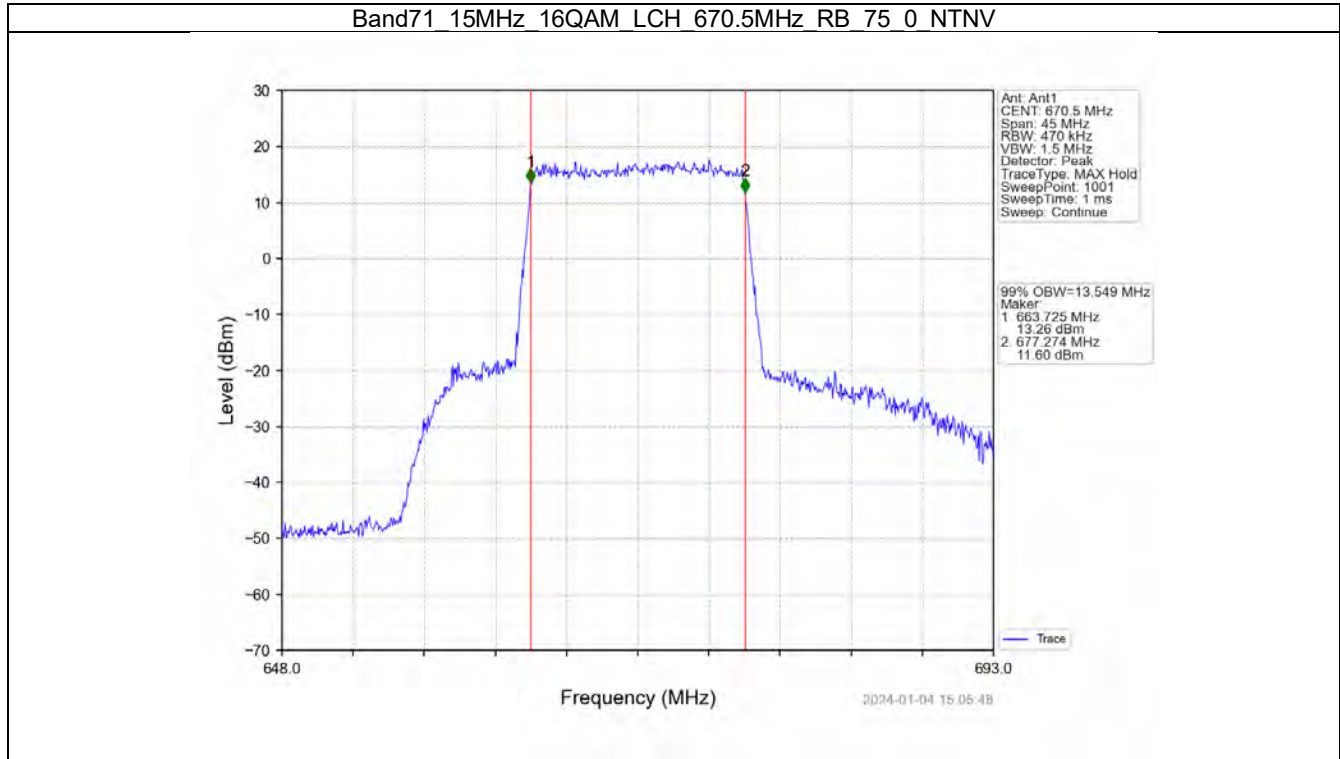
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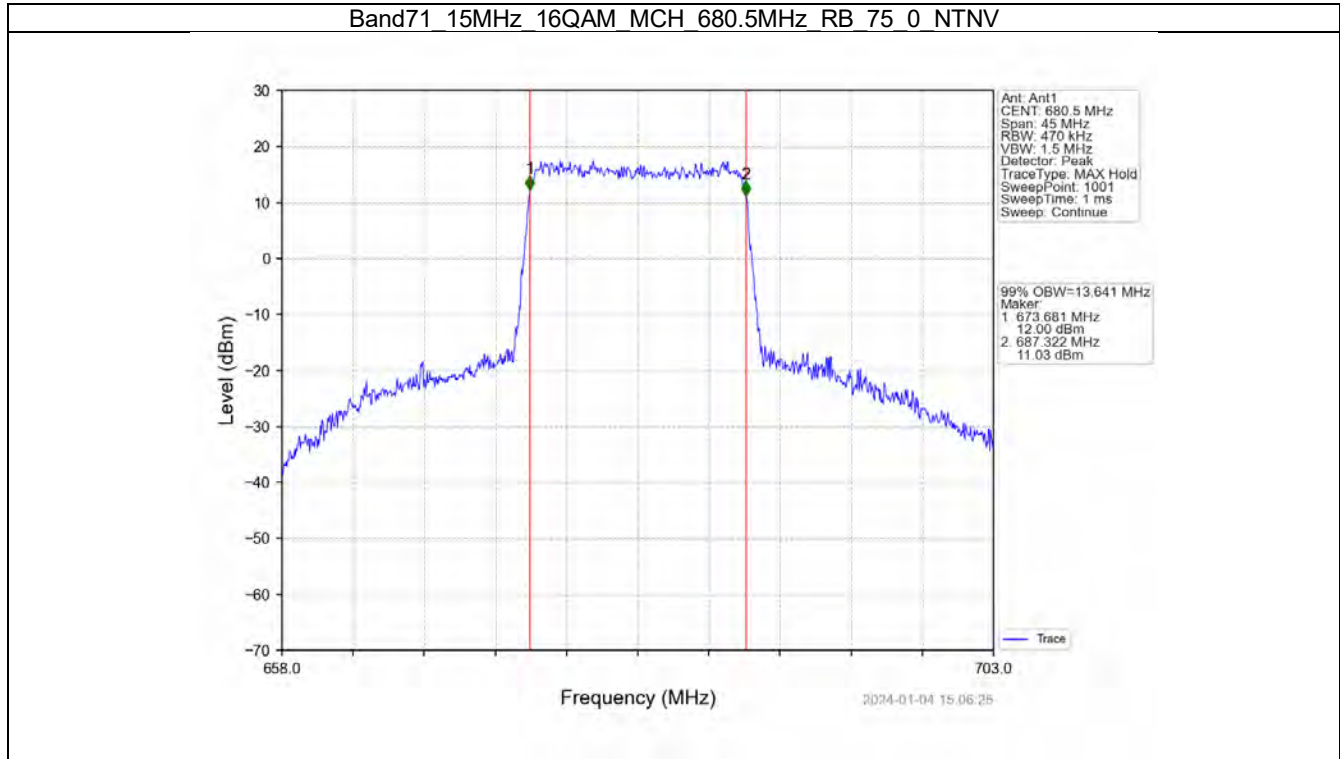
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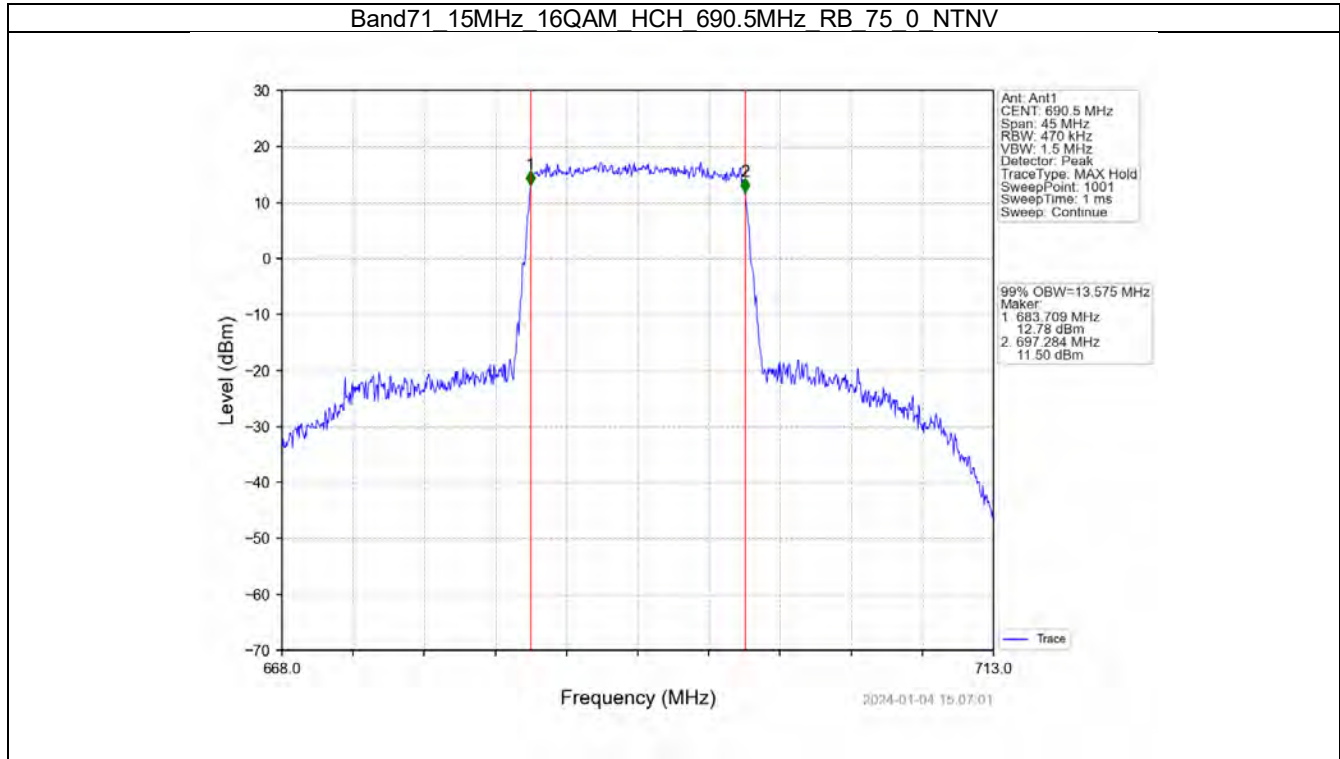
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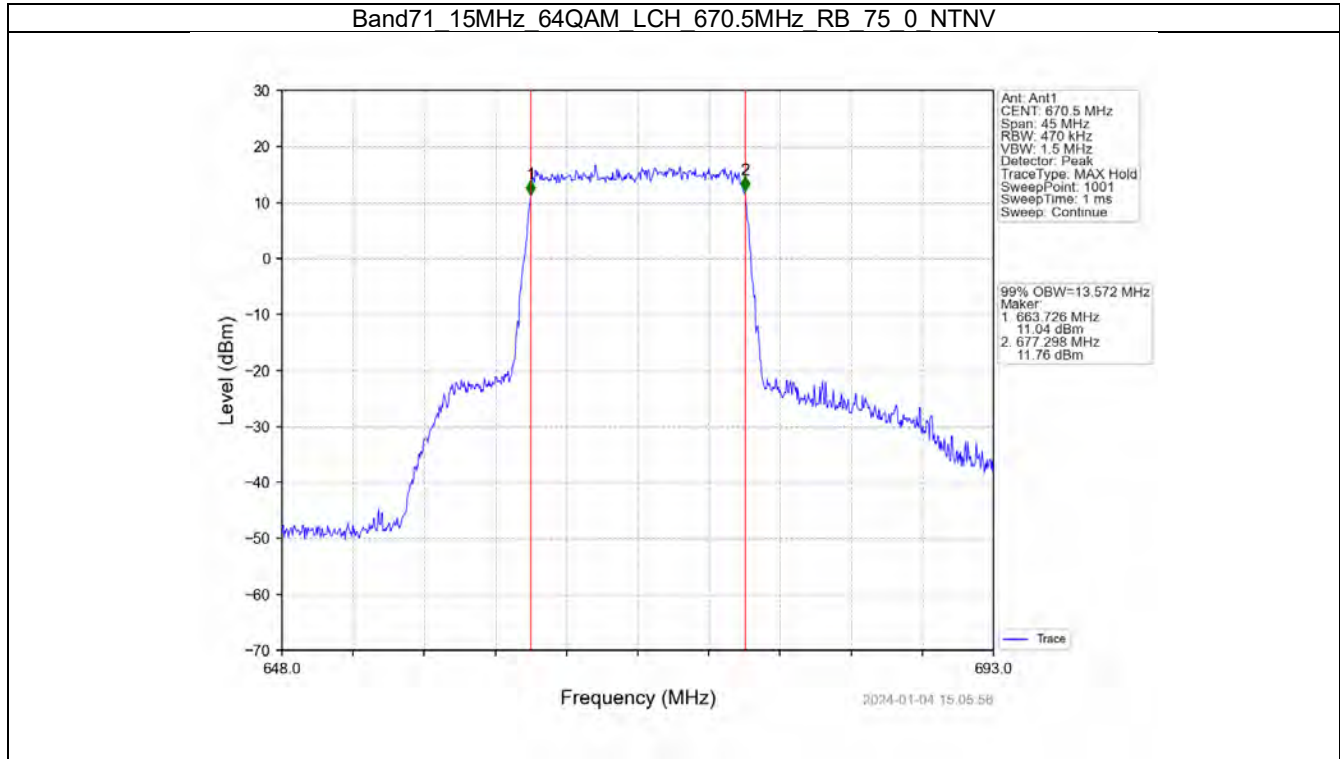
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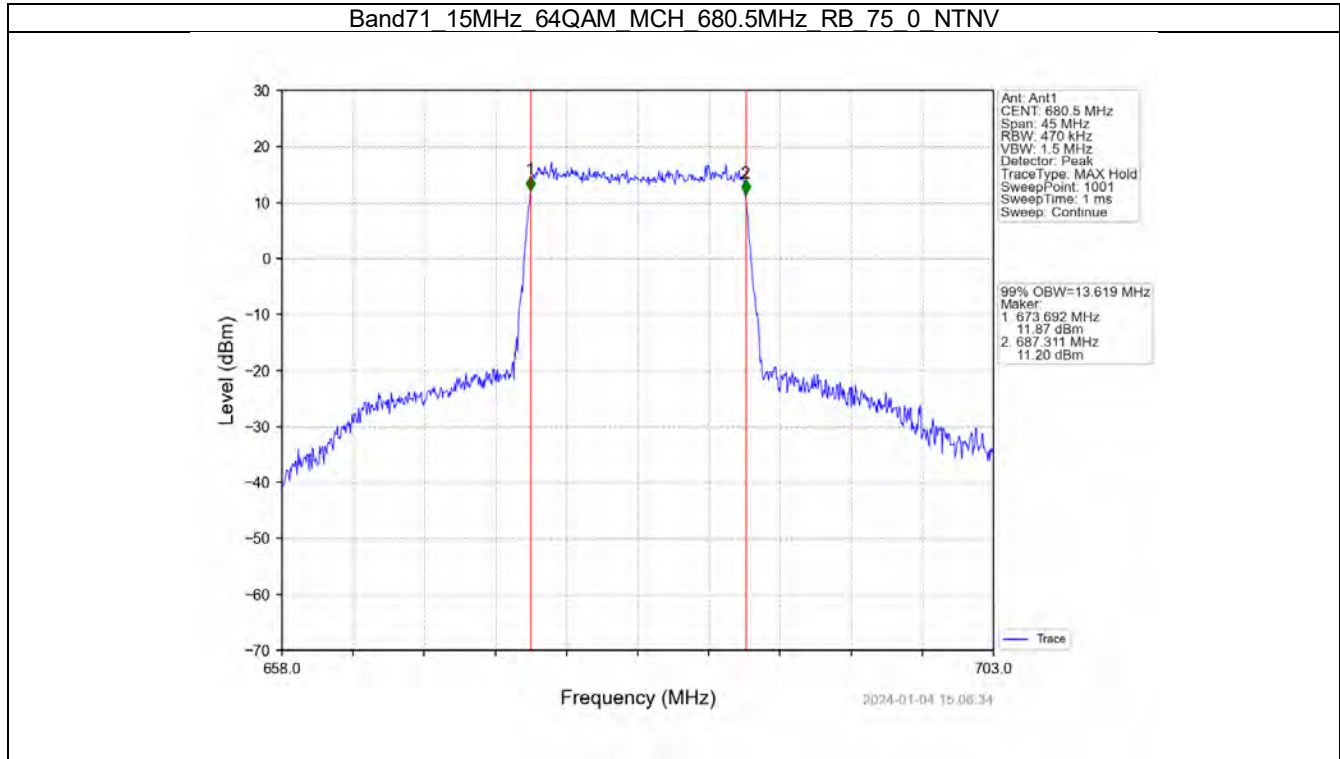
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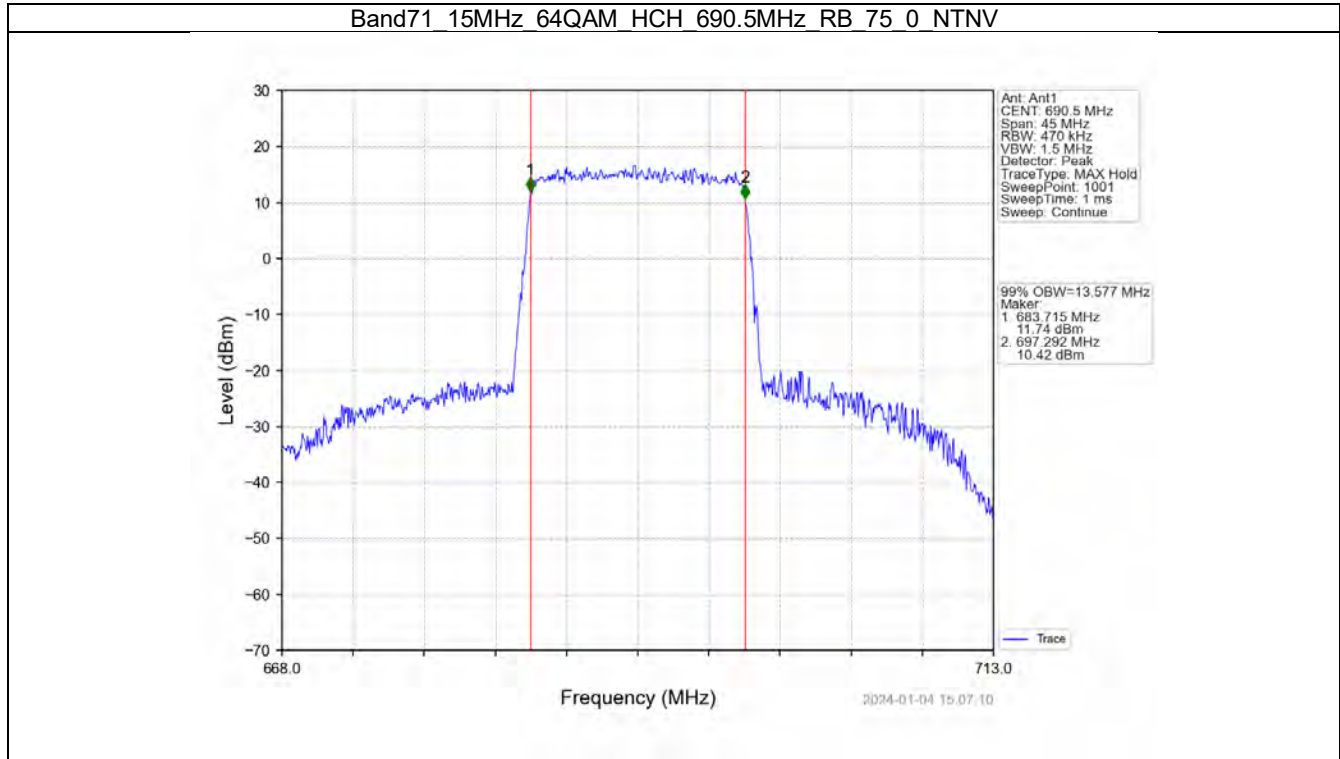
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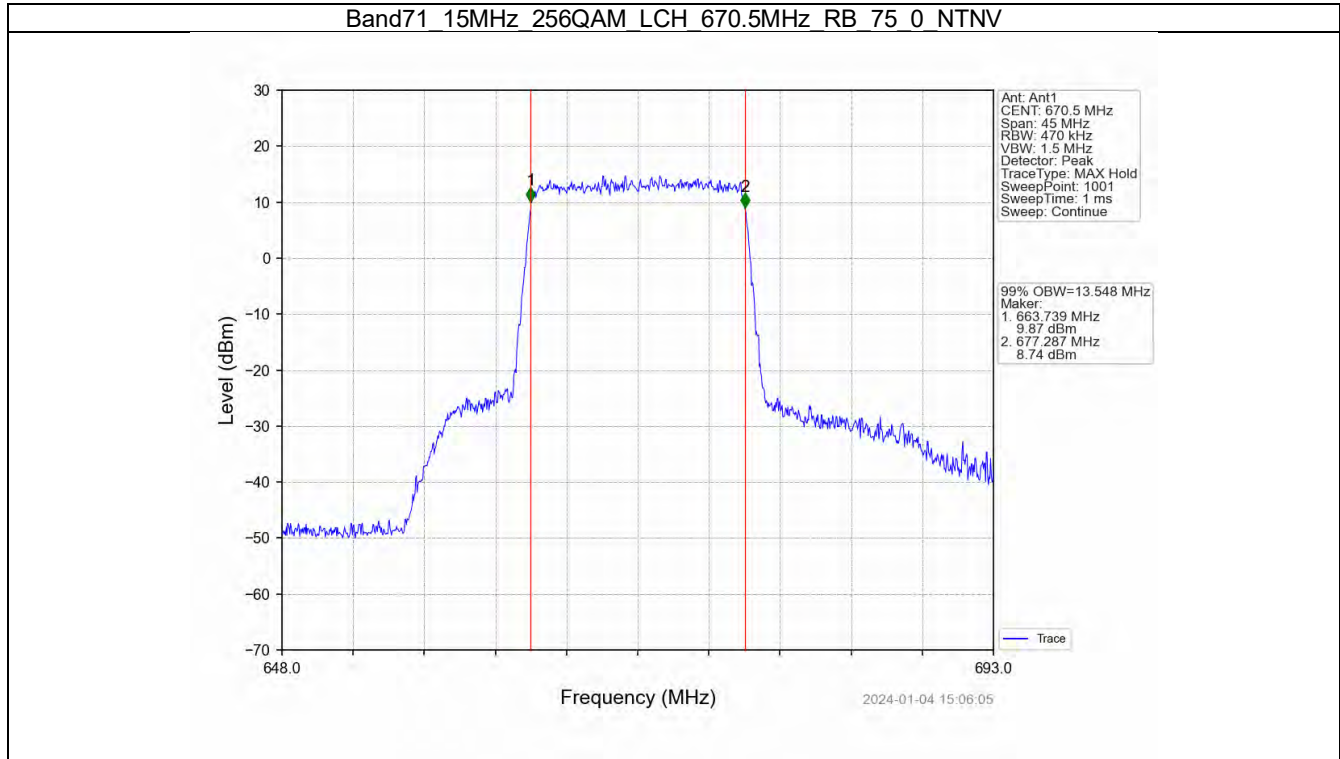
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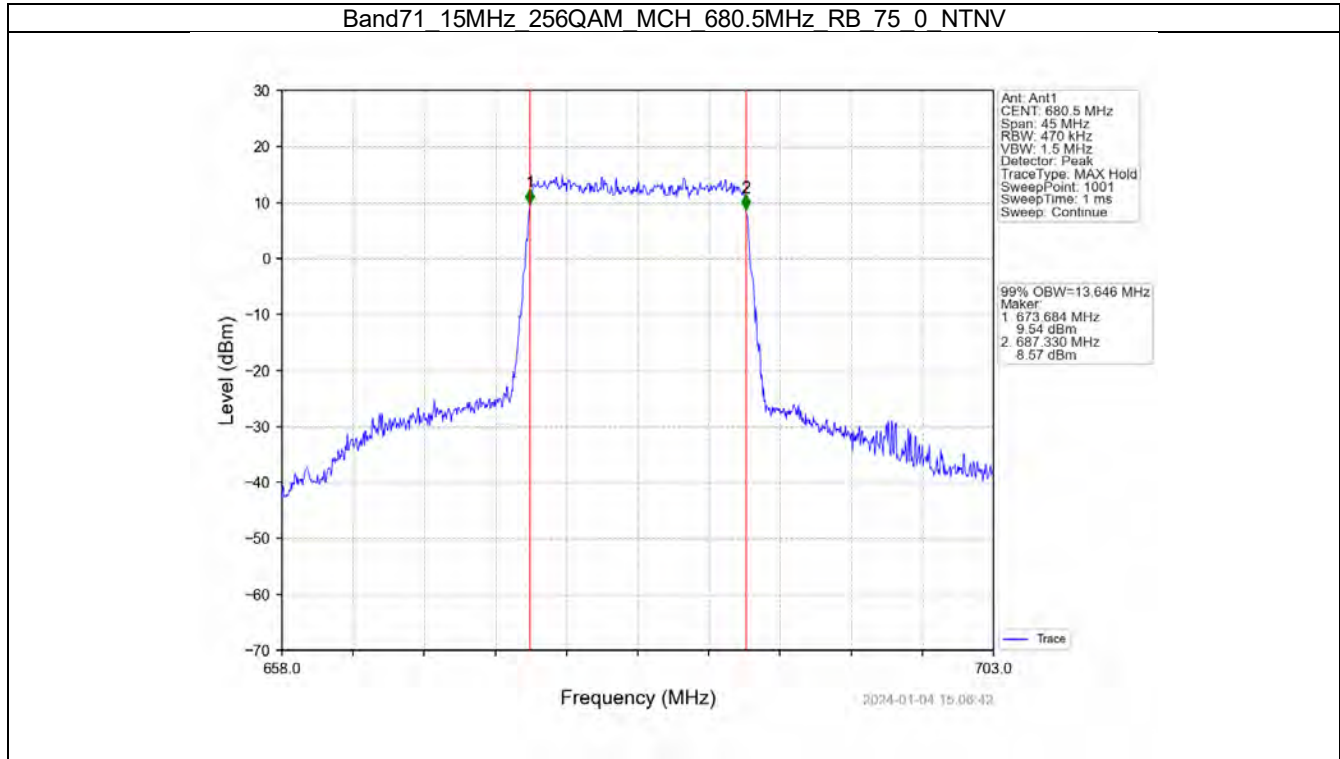
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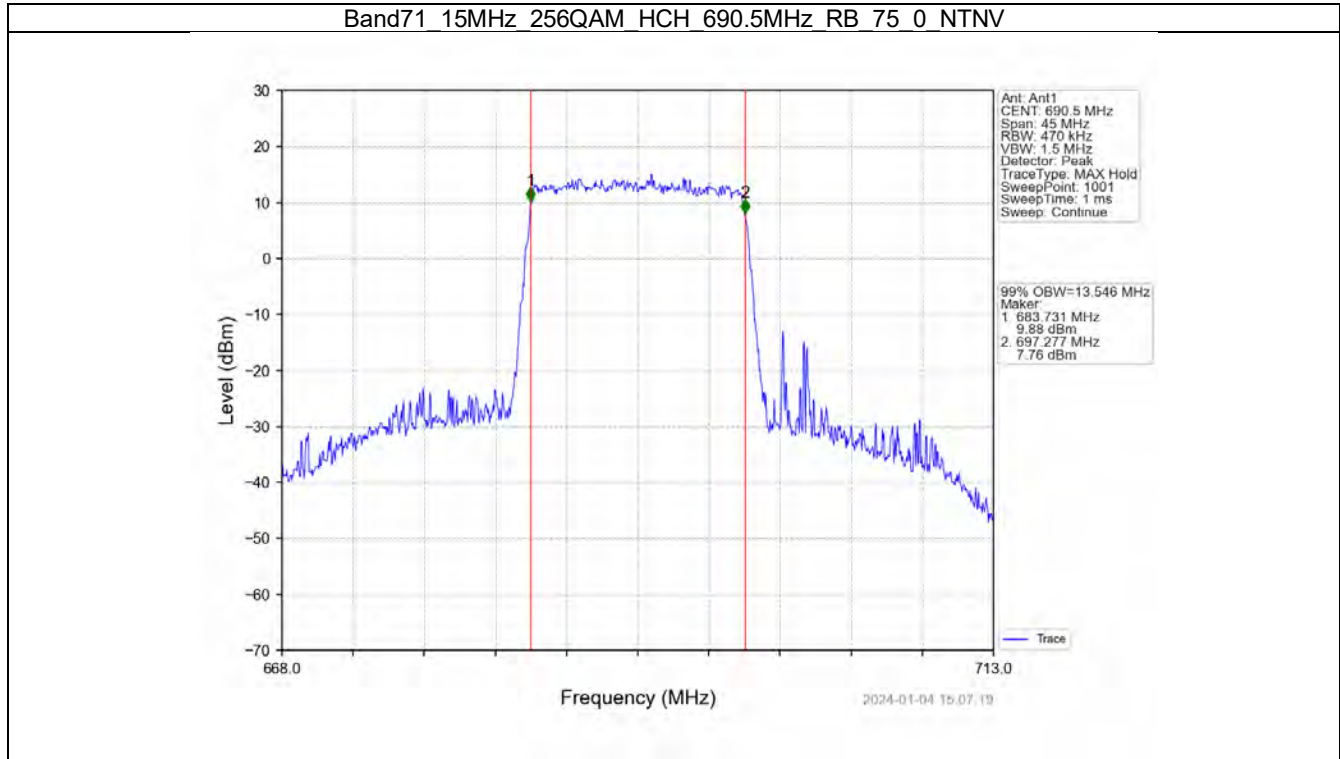
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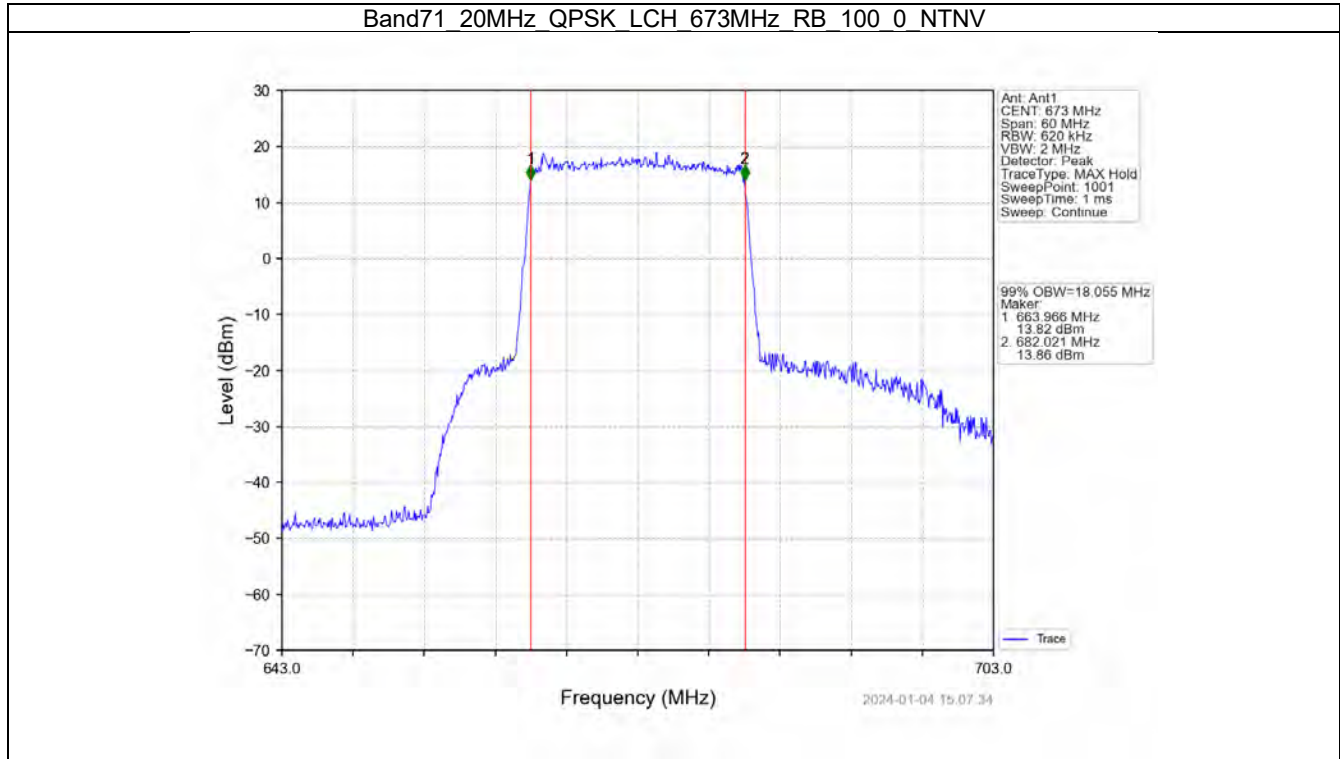
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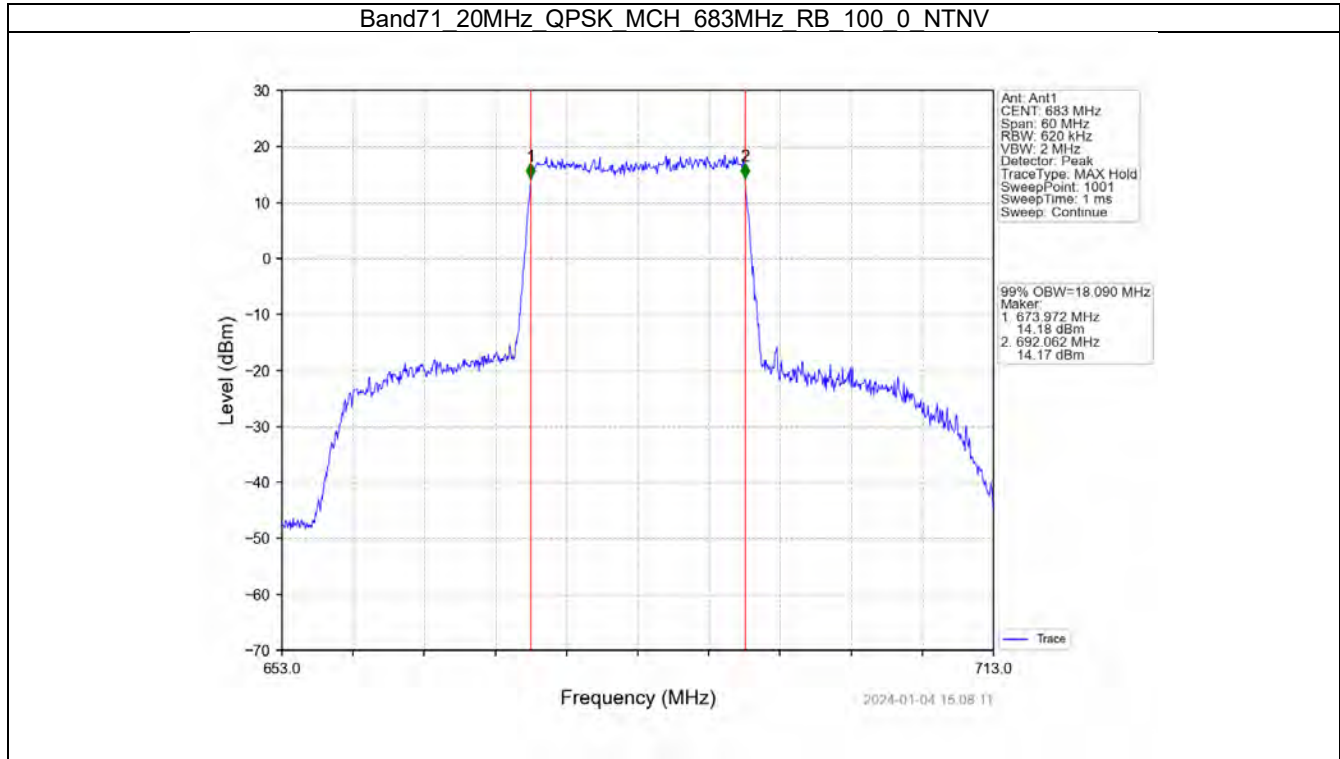
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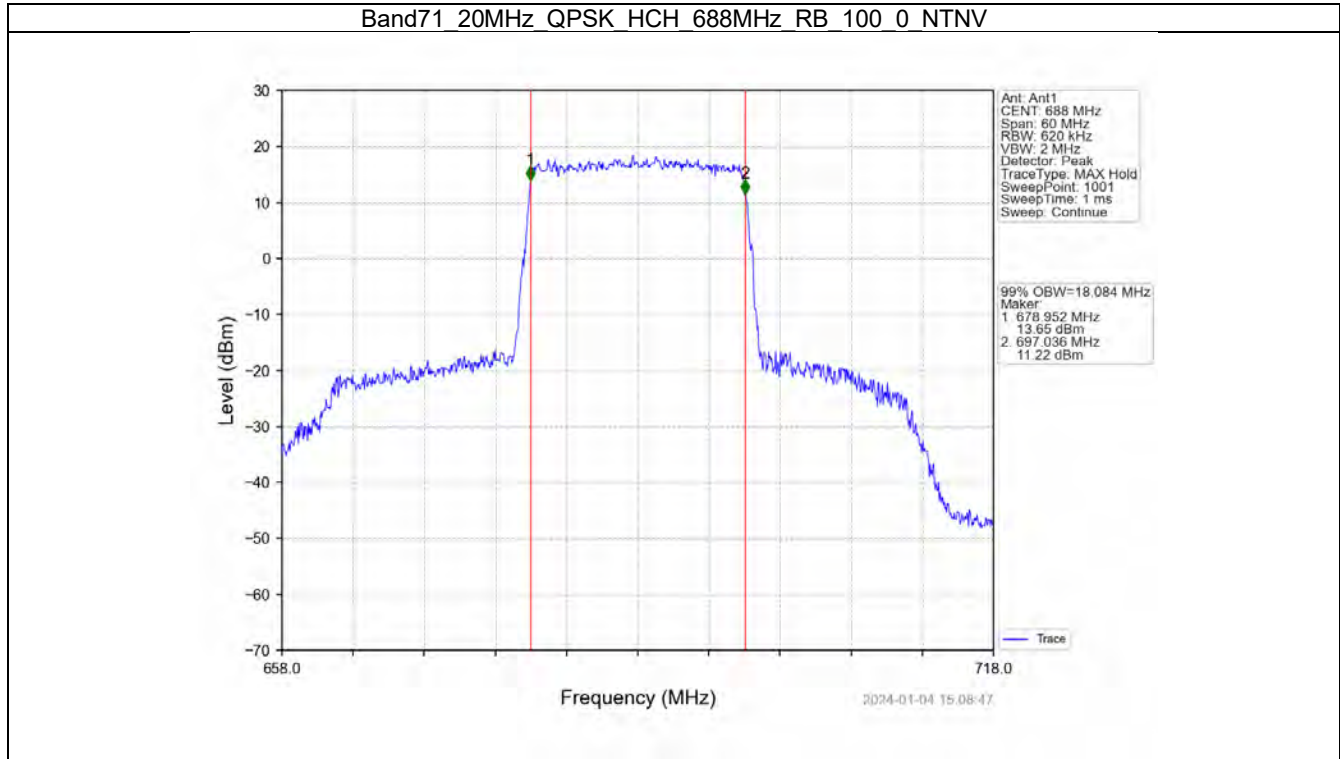
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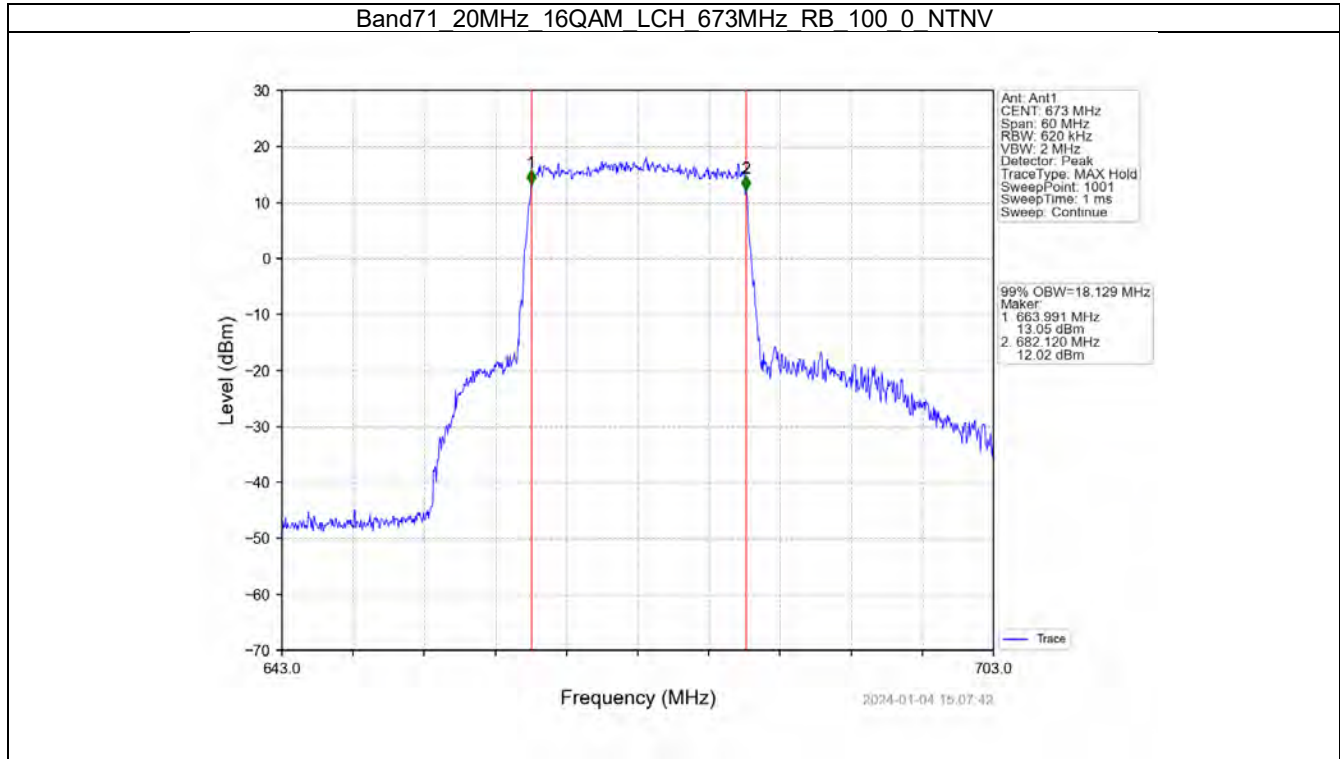
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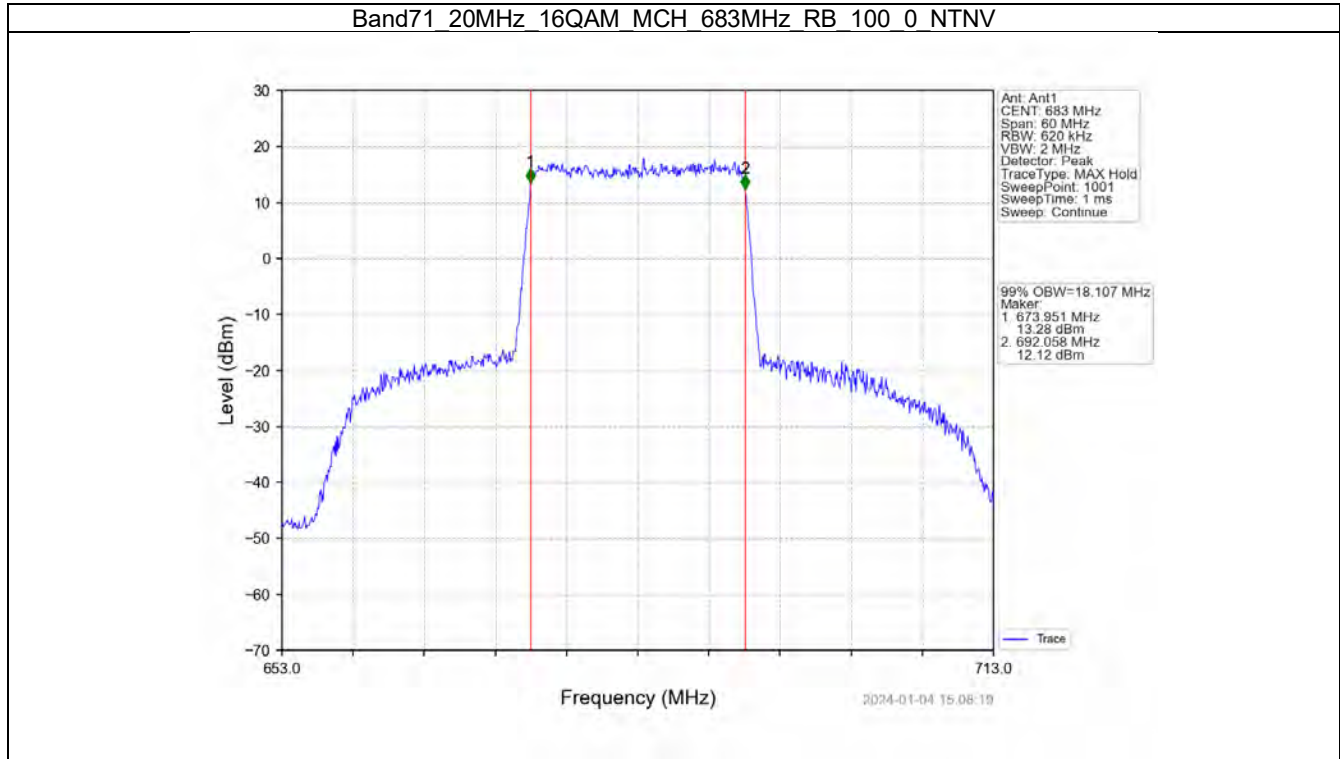
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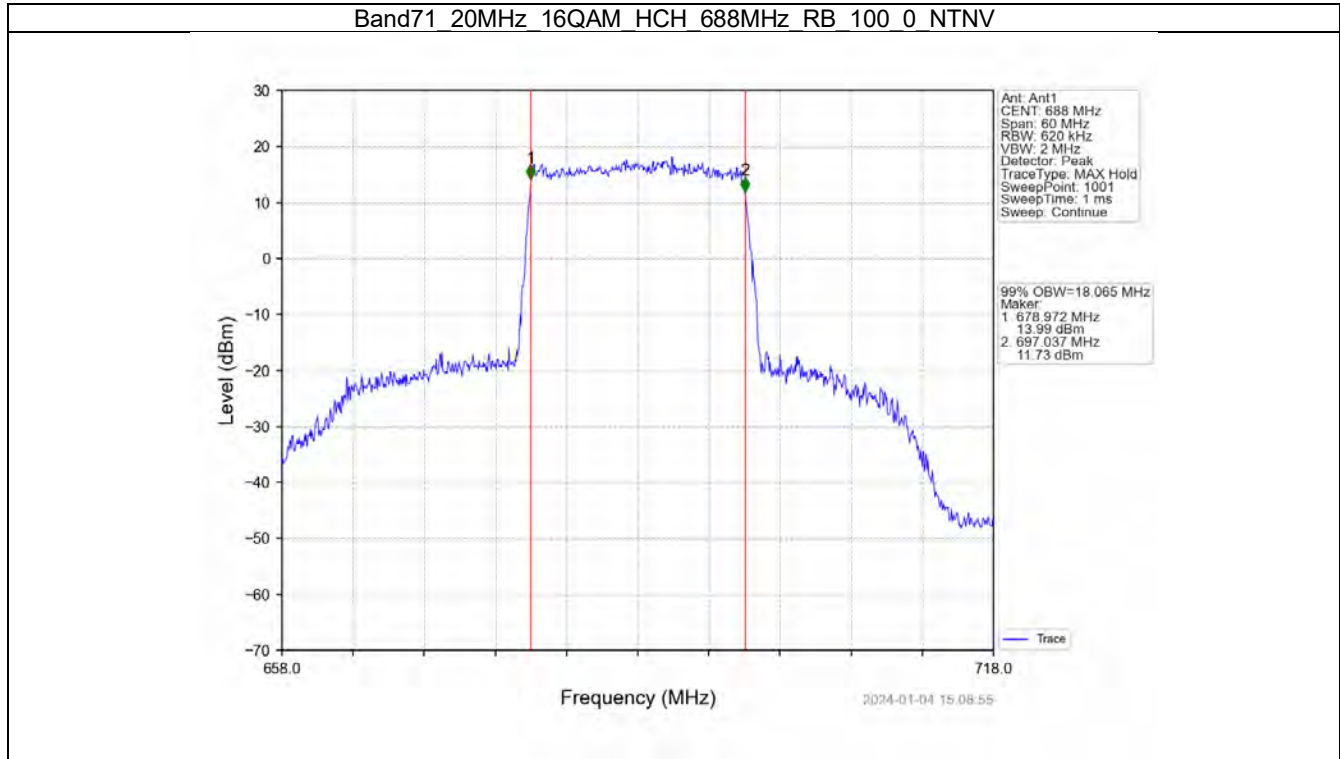
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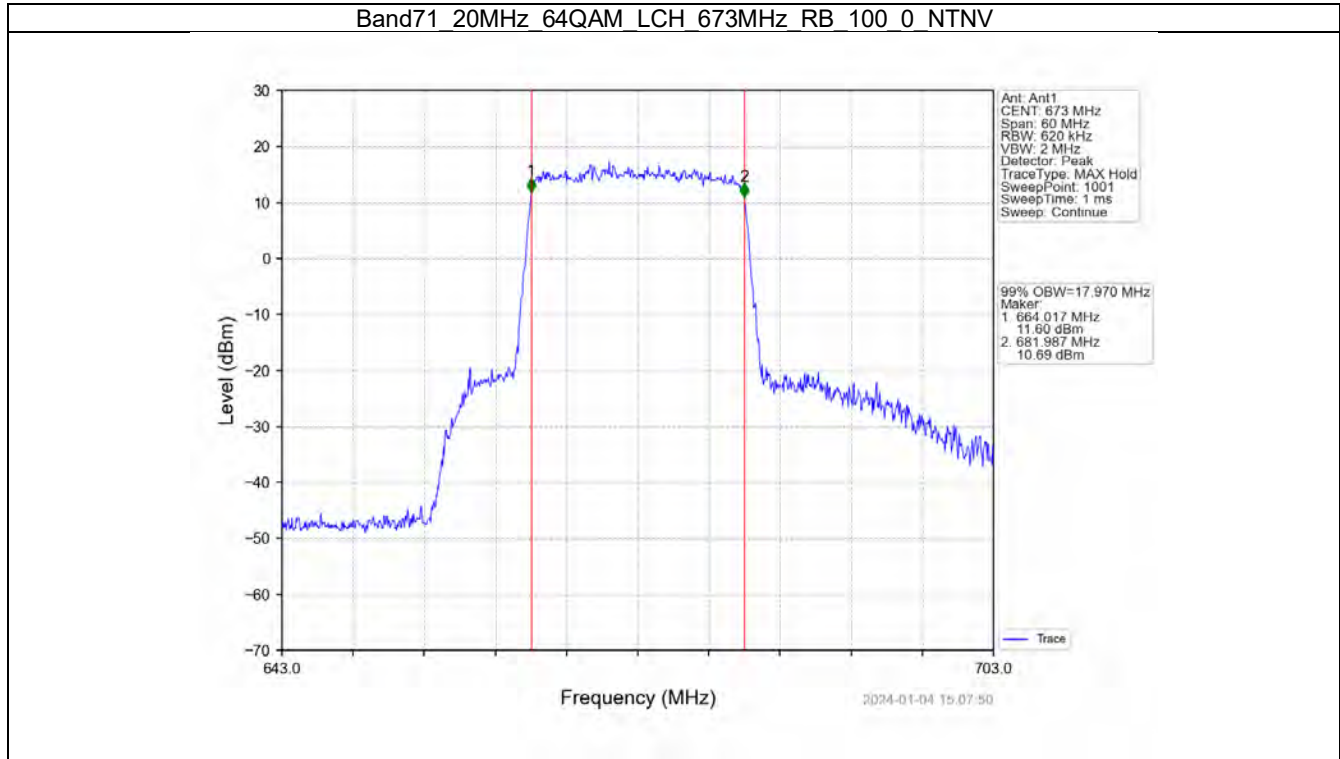
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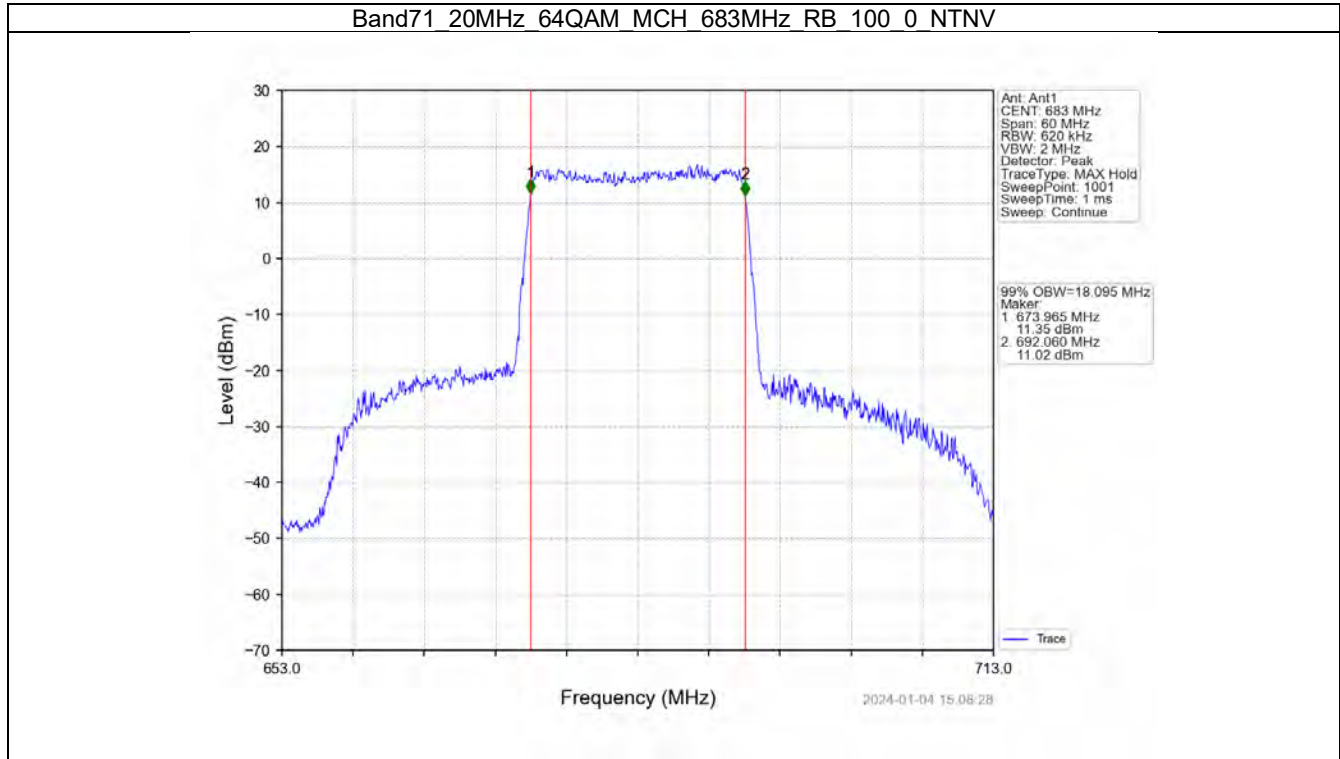
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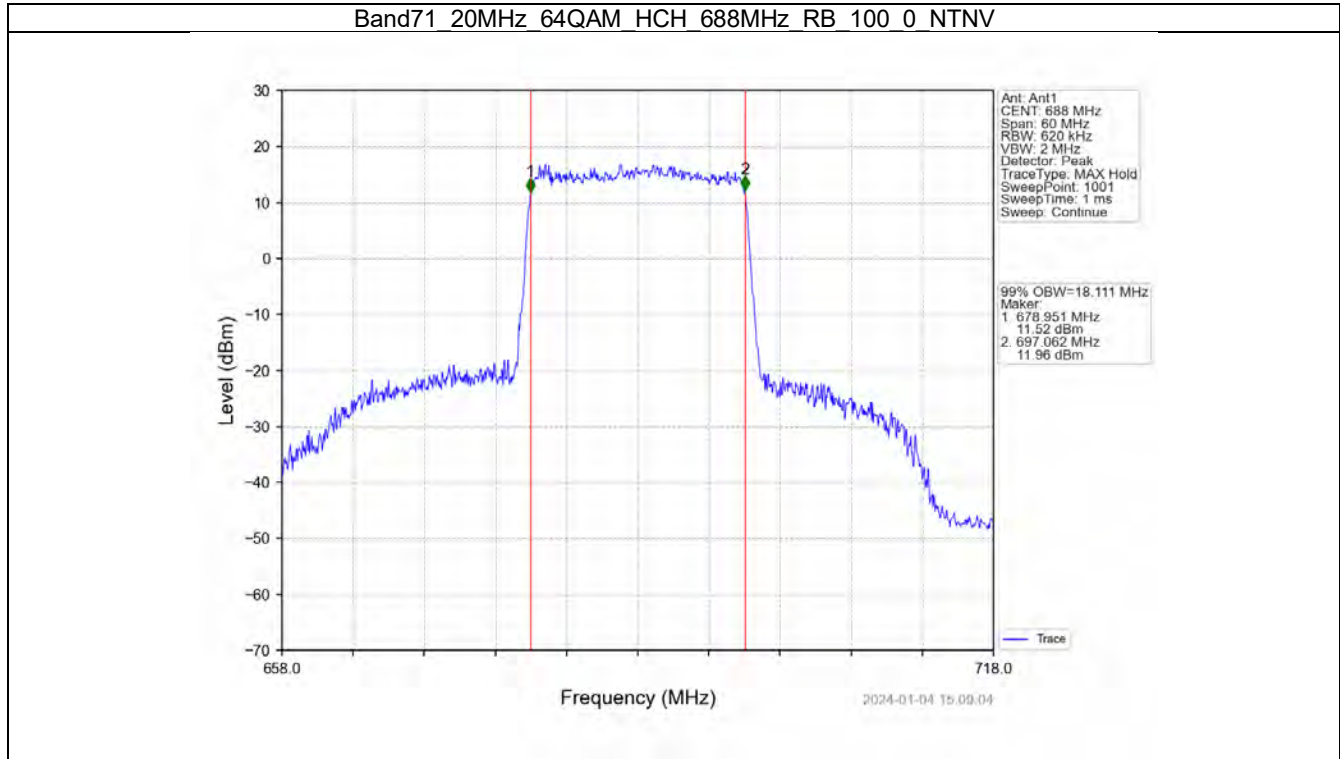
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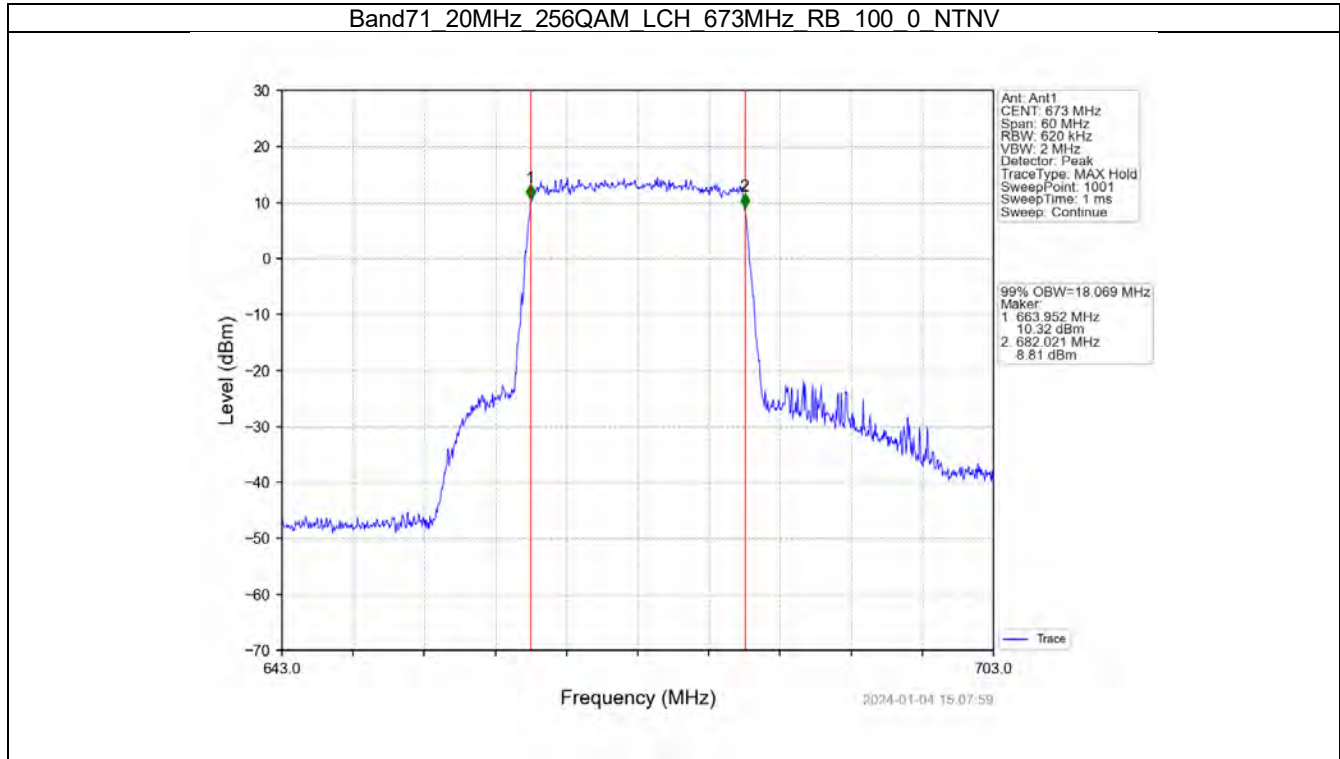
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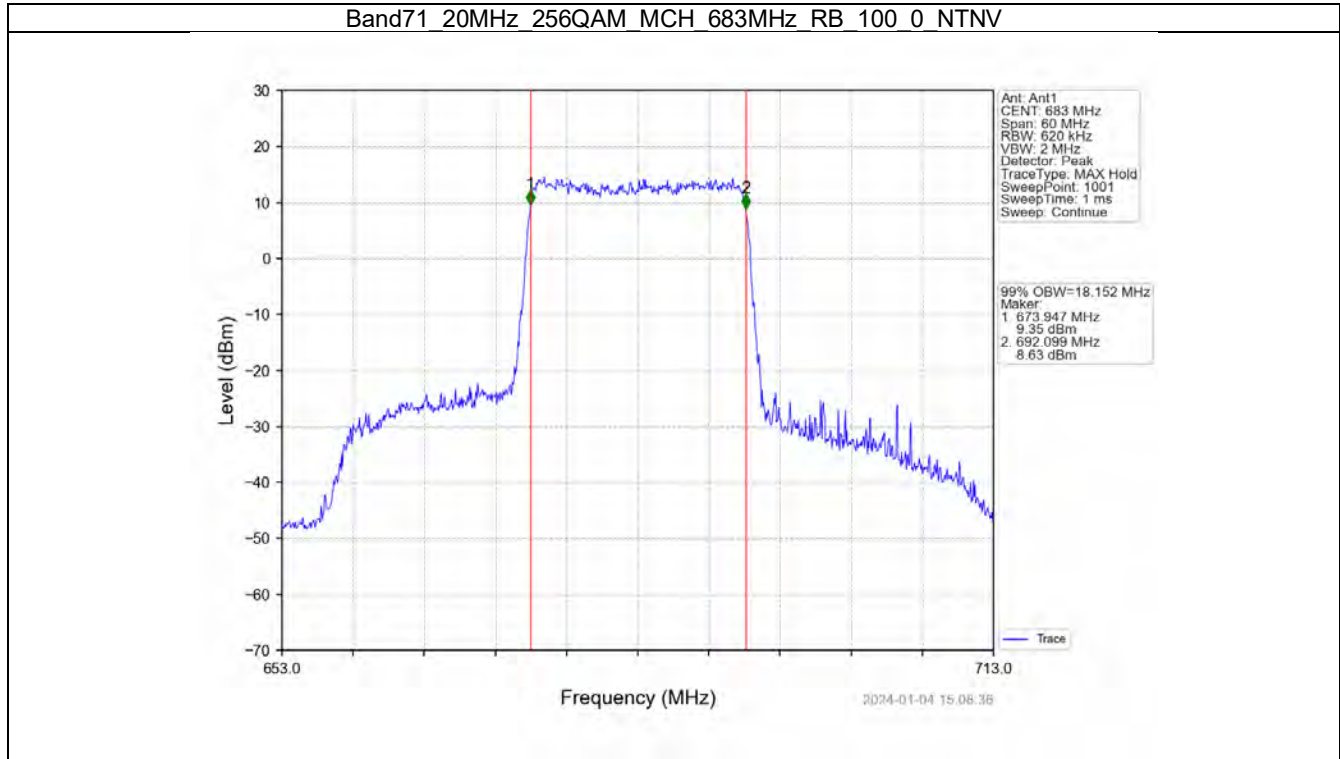
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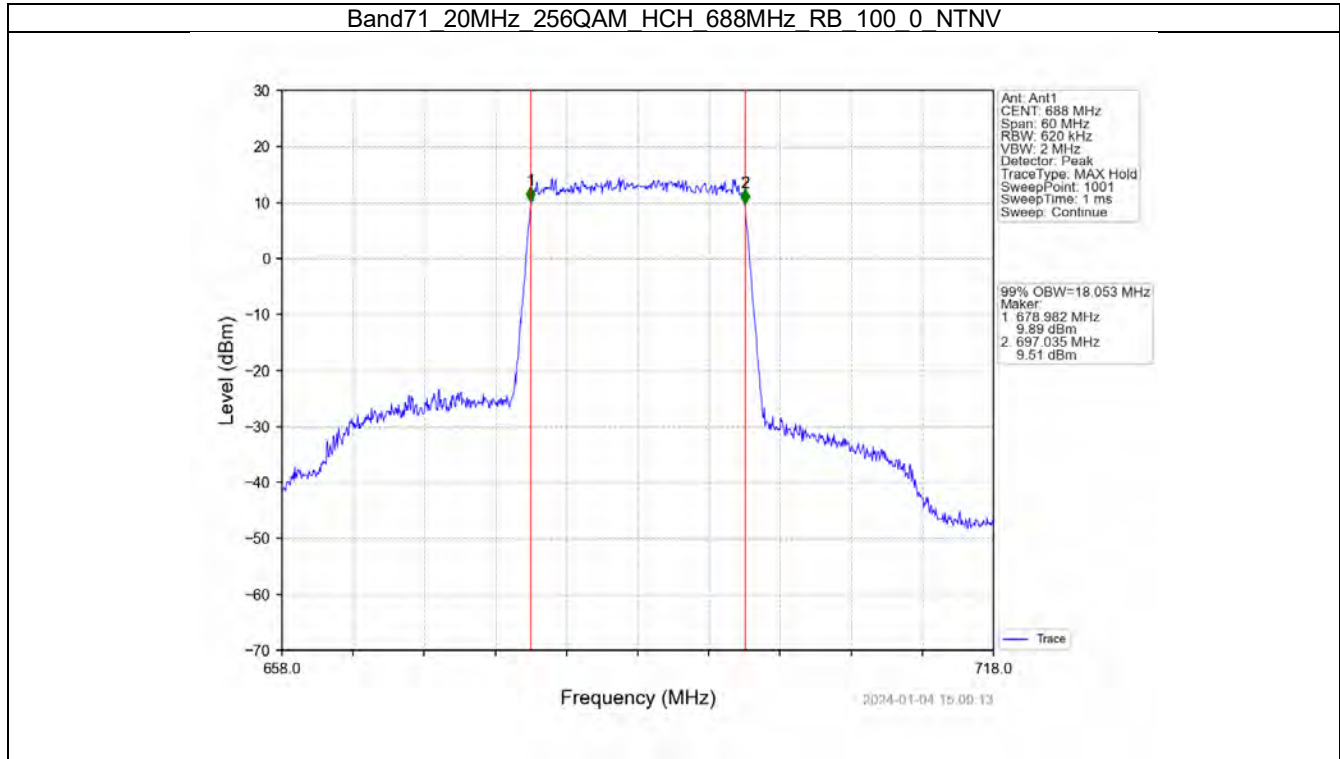
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3.2 Band71_XDB

3.2.1 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	5.068	/	Pass
		680.5	25	0	5.048	/	Pass
		695.5	25	0	5.063	/	Pass
	16QAM	665.5	25	0	5.033	/	Pass
		680.5	25	0	5.110	/	Pass
		695.5	25	0	5.030	/	Pass
	64QAM	665.5	25	0	5.062	/	Pass
		680.5	25	0	5.059	/	Pass
		695.5	25	0	5.020	/	Pass
	256QAM	665.5	25	0	5.055	/	Pass
		680.5	25	0	5.033	/	Pass
		695.5	25	0	5.058	/	Pass
10	QPSK	668	50	0	10.103	/	Pass
		680.5	50	0	10.025	/	Pass
		693	50	0	10.016	/	Pass
	16QAM	668	50	0	10.008	/	Pass
		680.5	50	0	9.921	/	Pass
		693	50	0	10.062	/	Pass
	64QAM	668	50	0	10.000	/	Pass
		680.5	50	0	9.934	/	Pass
		693	50	0	9.952	/	Pass
	256QAM	668	50	0	10.061	/	Pass
		680.5	50	0	9.966	/	Pass
		693	50	0	10.042	/	Pass
15	QPSK	670.5	75	0	15.105	/	Pass
		680.5	75	0	14.959	/	Pass
		690.5	75	0	14.851	/	Pass
	16QAM	670.5	75	0	14.927	/	Pass
		680.5	75	0	14.929	/	Pass
		690.5	75	0	14.986	/	Pass
	64QAM	670.5	75	0	14.950	/	Pass
		680.5	75	0	14.941	/	Pass
		690.5	75	0	15.062	/	Pass
	256QAM	670.5	75	0	14.857	/	Pass
		680.5	75	0	15.010	/	Pass
		690.5	75	0	14.886	/	Pass
20	QPSK	673	100	0	19.734	/	Pass
		683	100	0	19.880	/	Pass
		688	100	0	19.815	/	Pass
	16QAM	673	100	0	19.767	/	Pass



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	64QAM	683	100	0	19.806	/	Pass
		688	100	0	19.846	/	Pass
		673	100	0	19.851	/	Pass
		683	100	0	19.900	/	Pass
		688	100	0	19.611	/	Pass
	256QAM	673	100	0	19.804	/	Pass
		683	100	0	19.856	/	Pass
		688	100	0	19.824	/	Pass

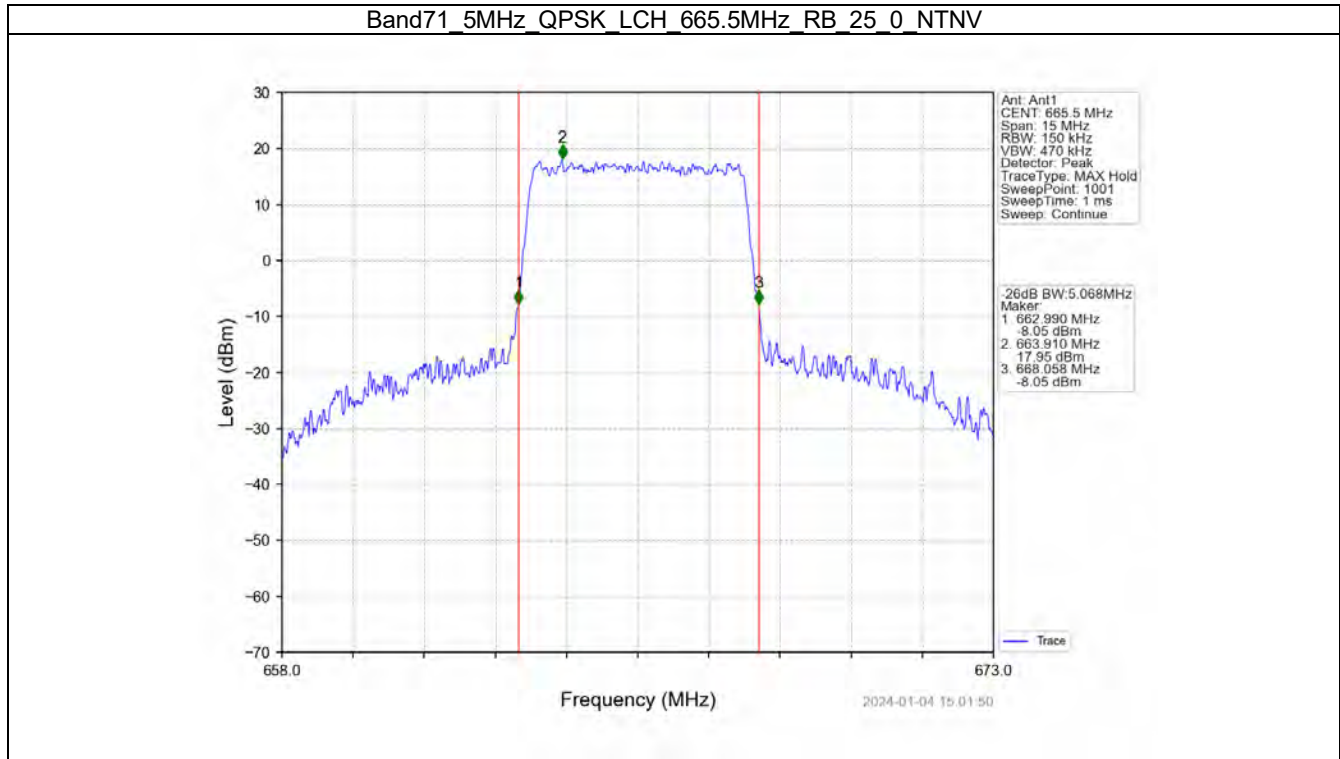


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3.2.2 Test Graph



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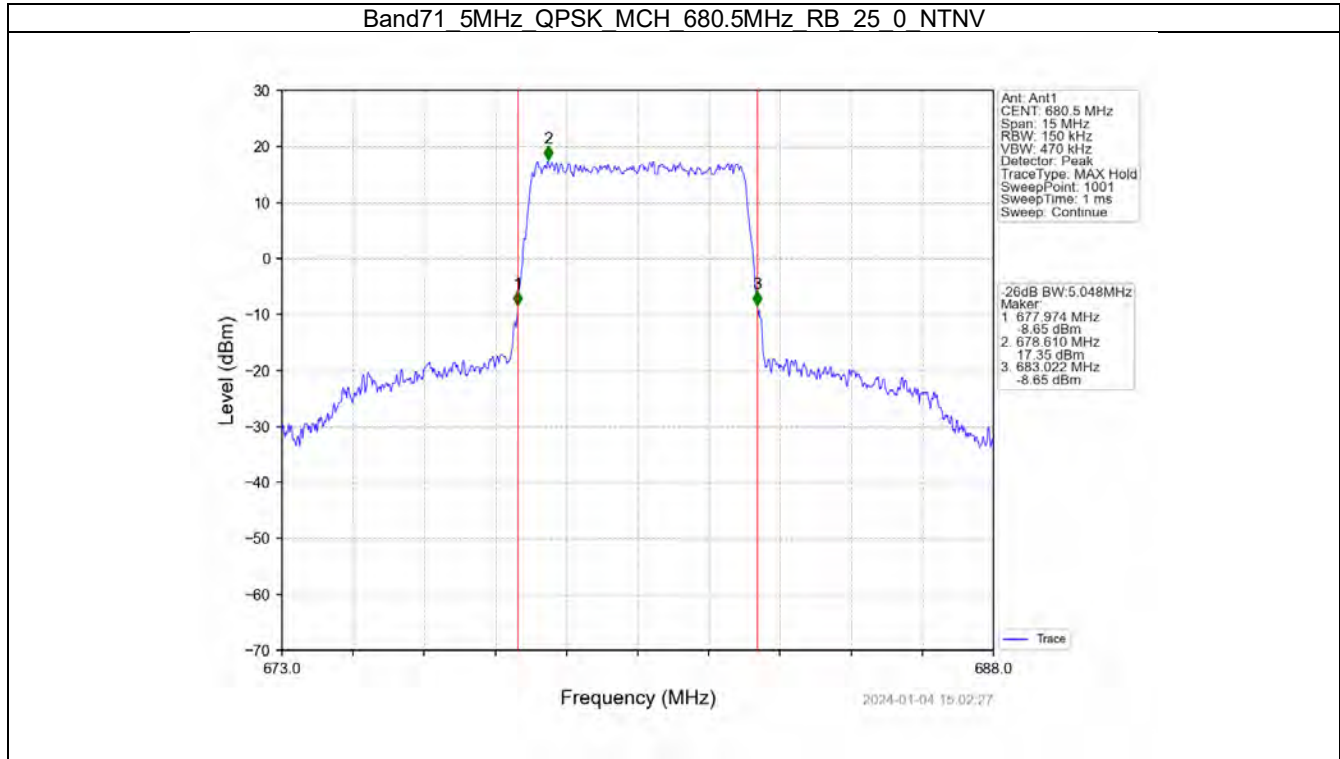
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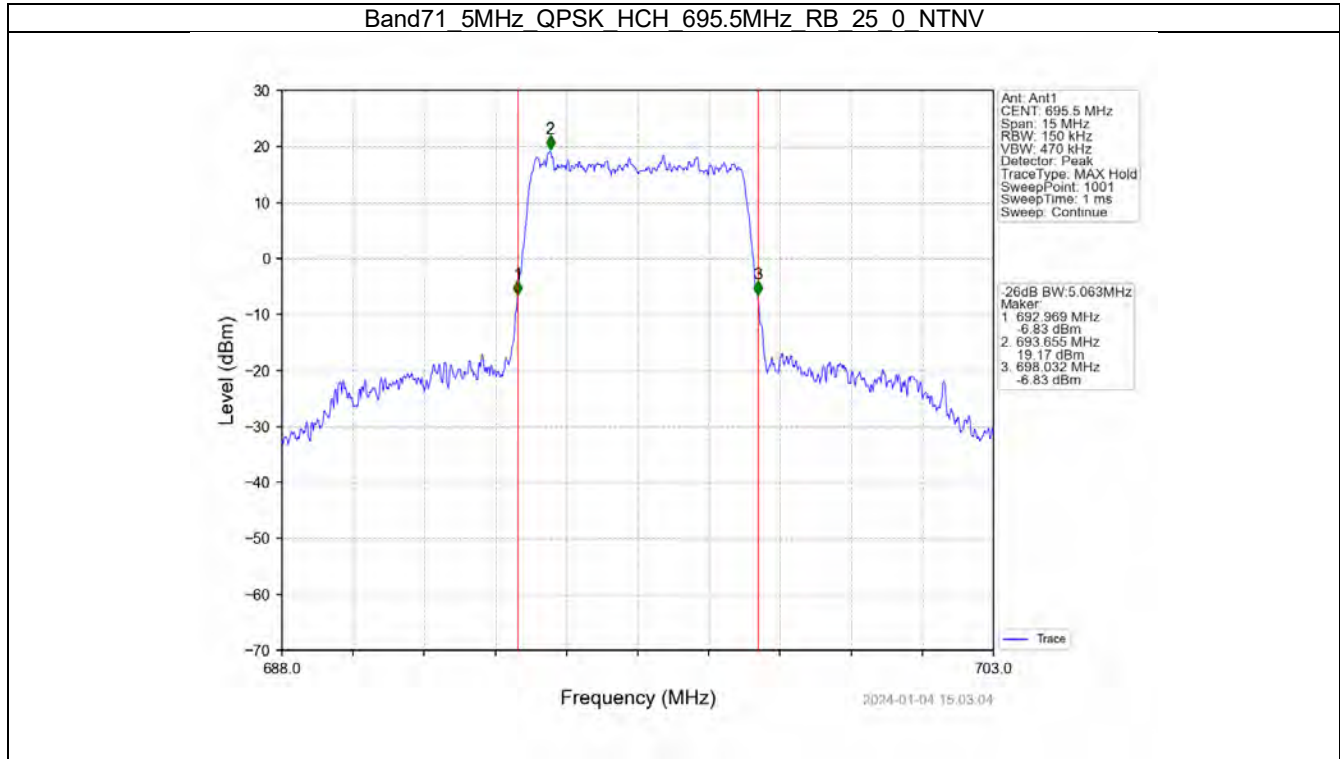
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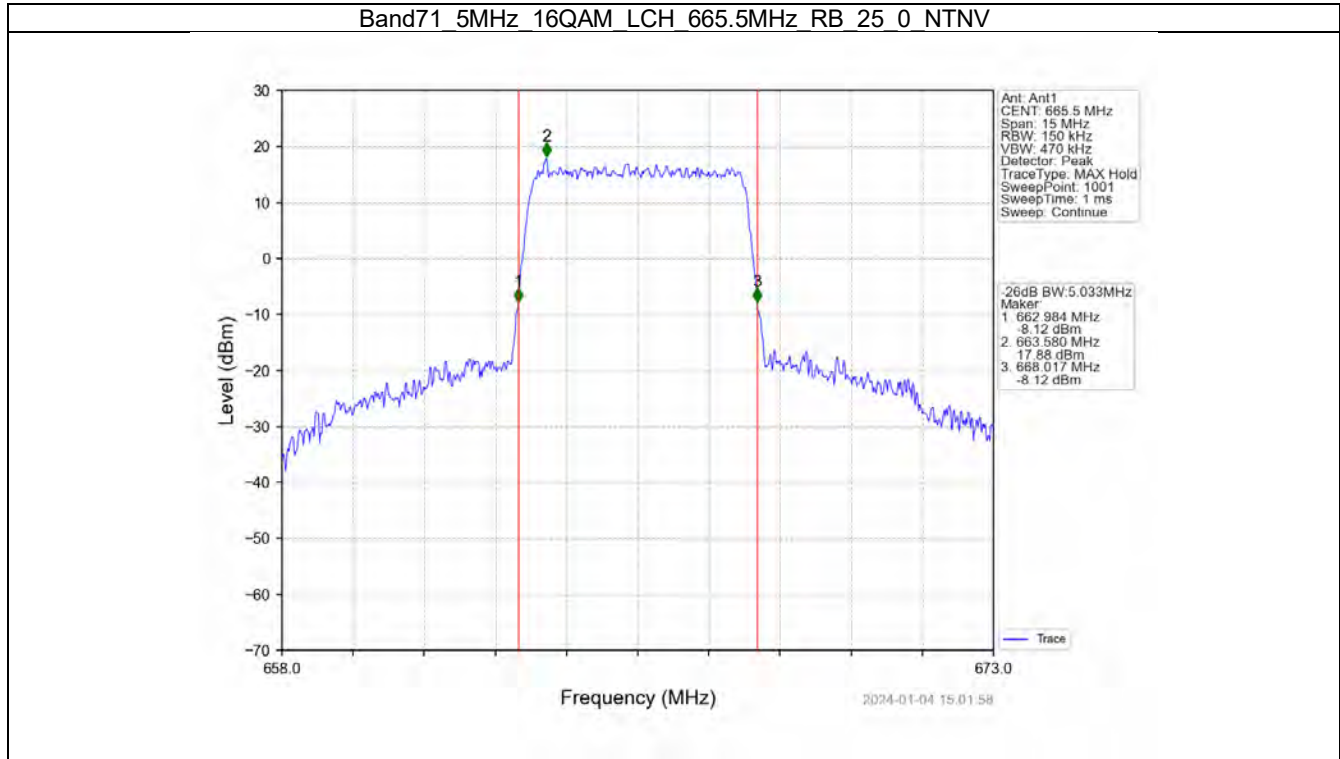
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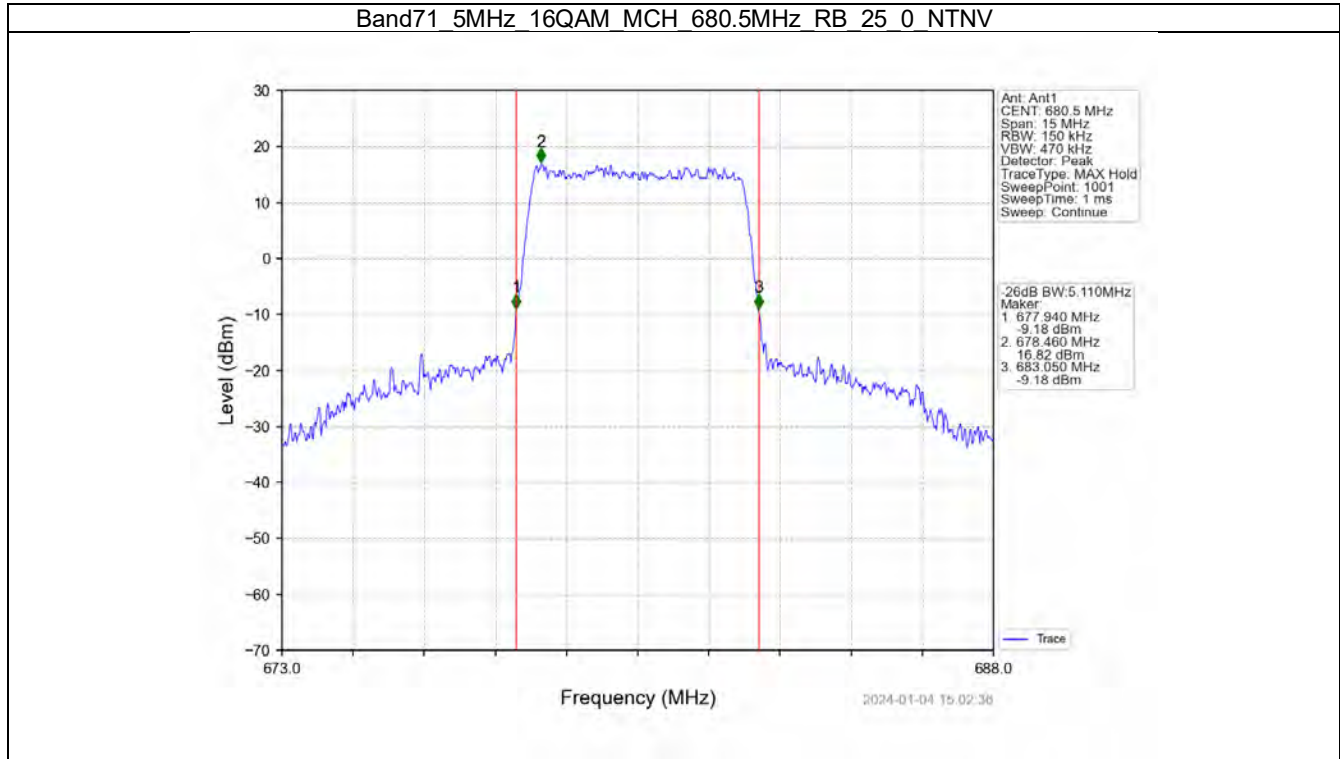
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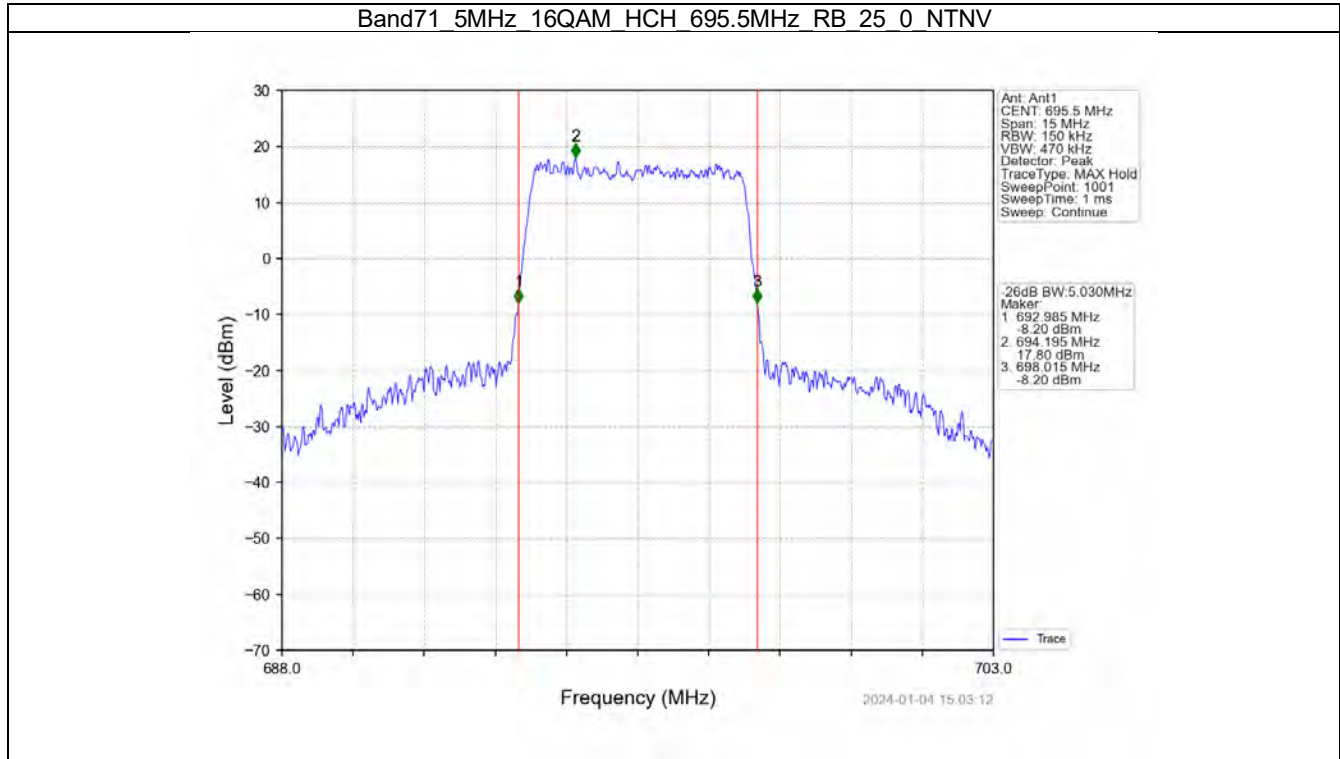
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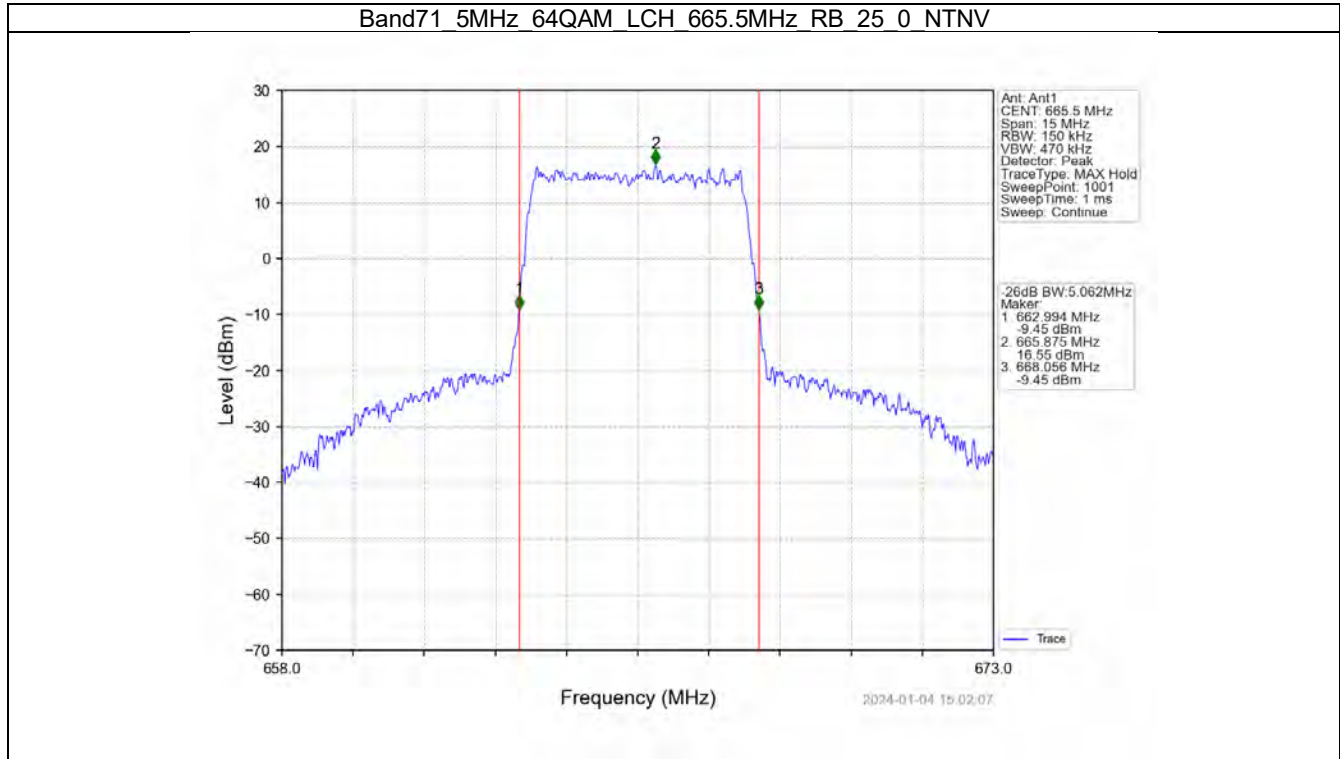
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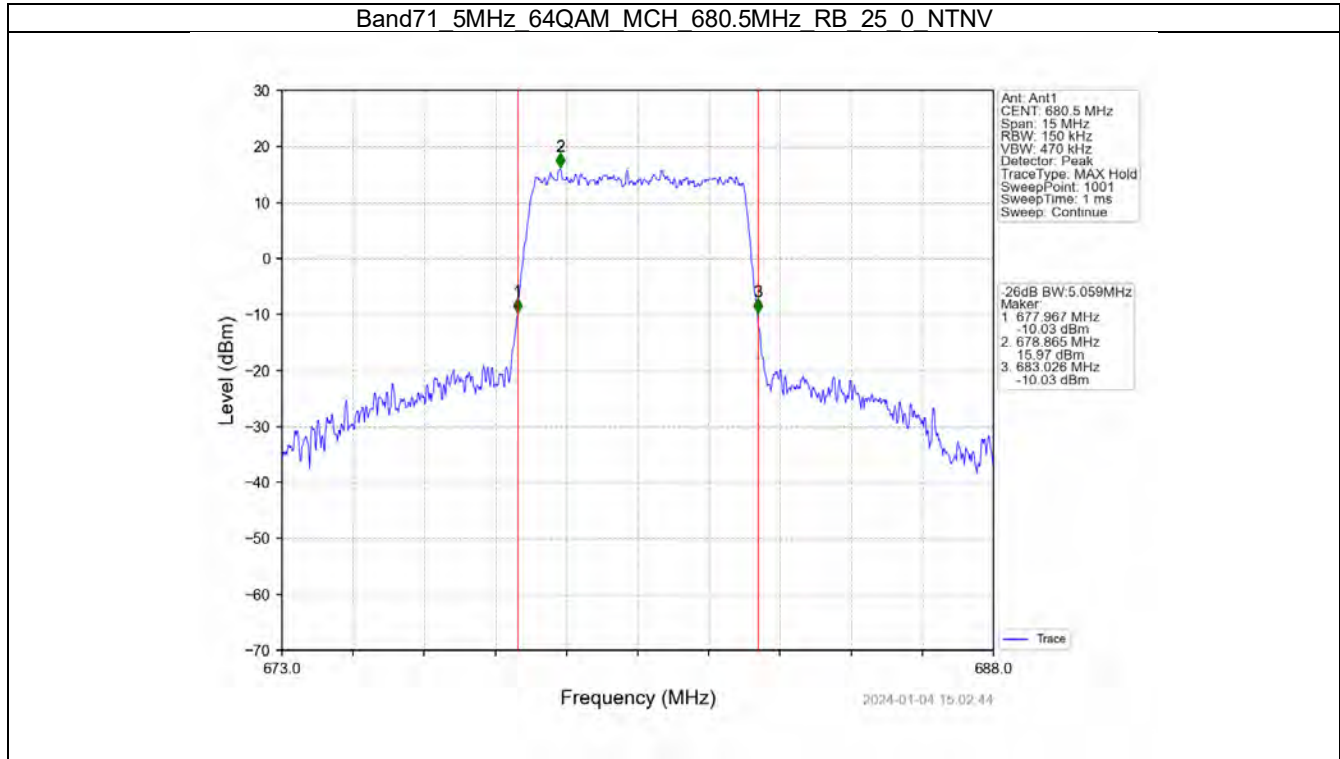
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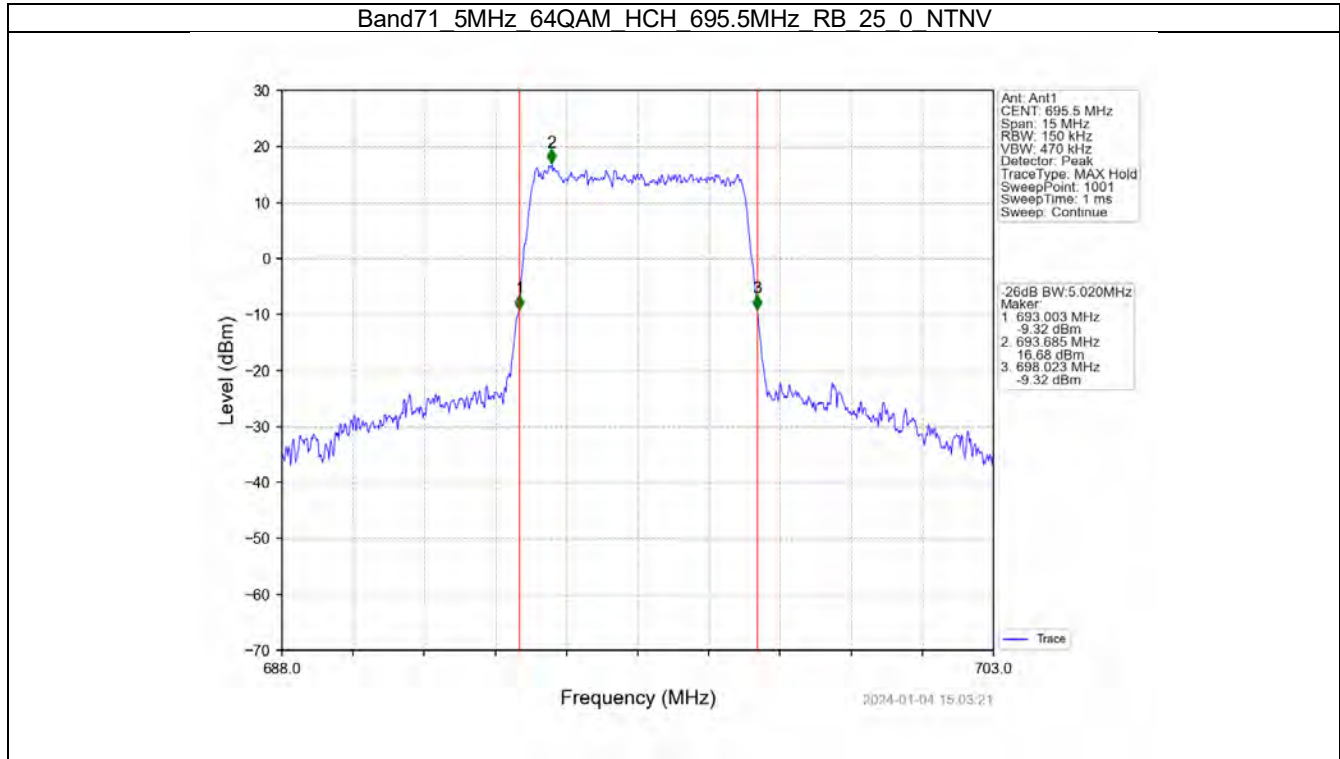
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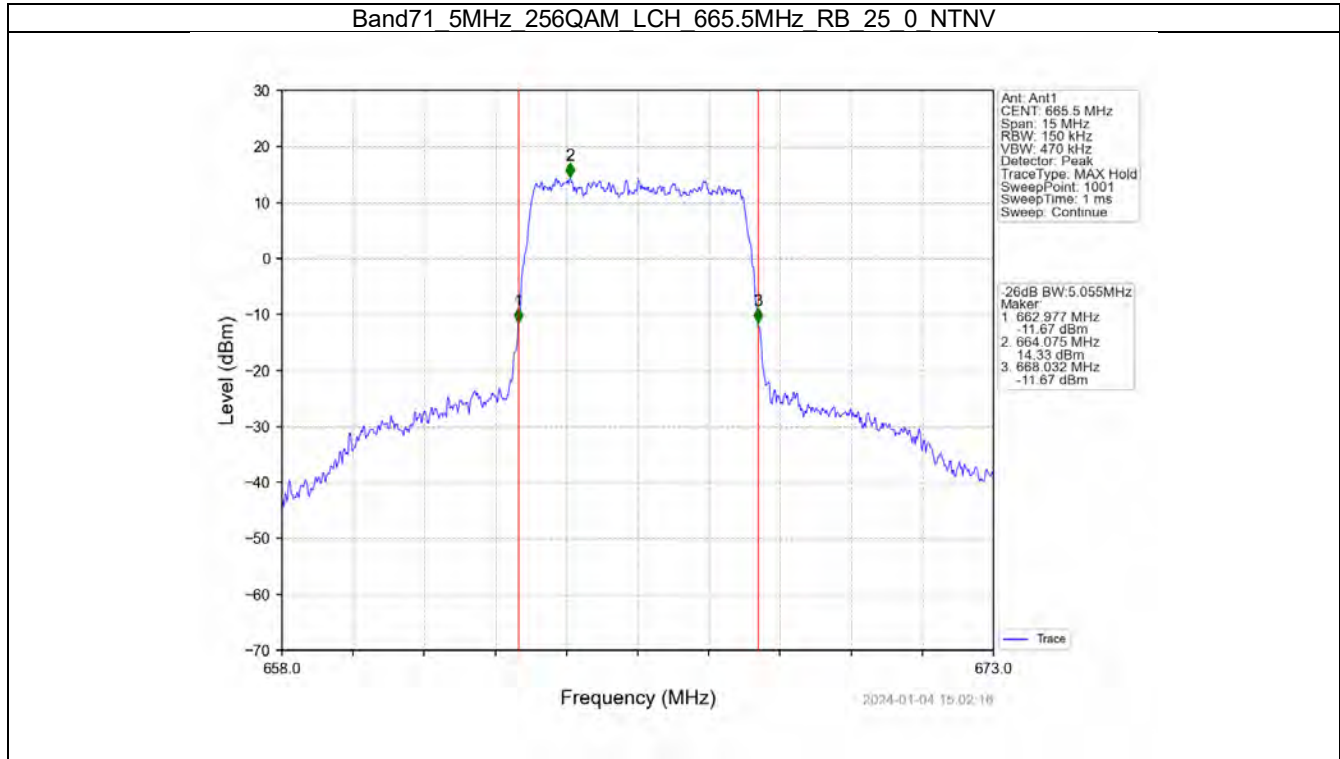
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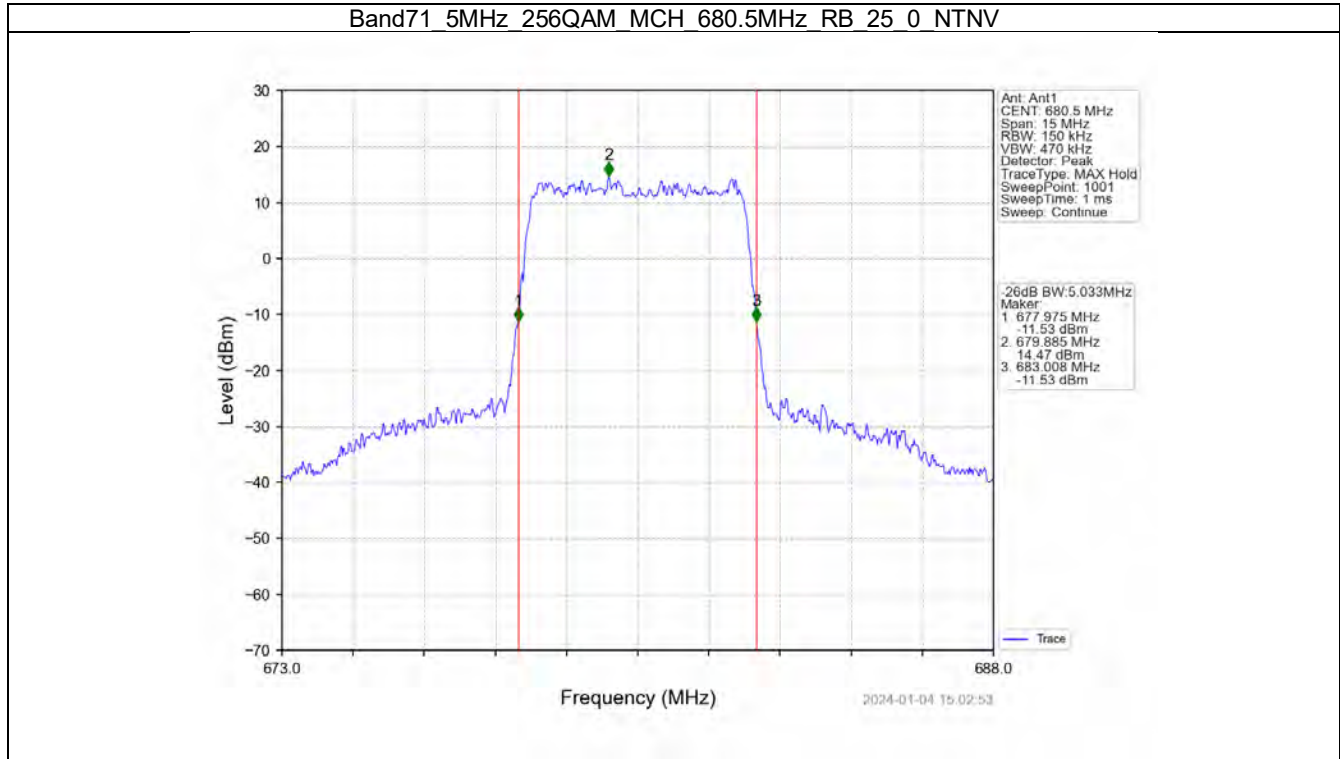
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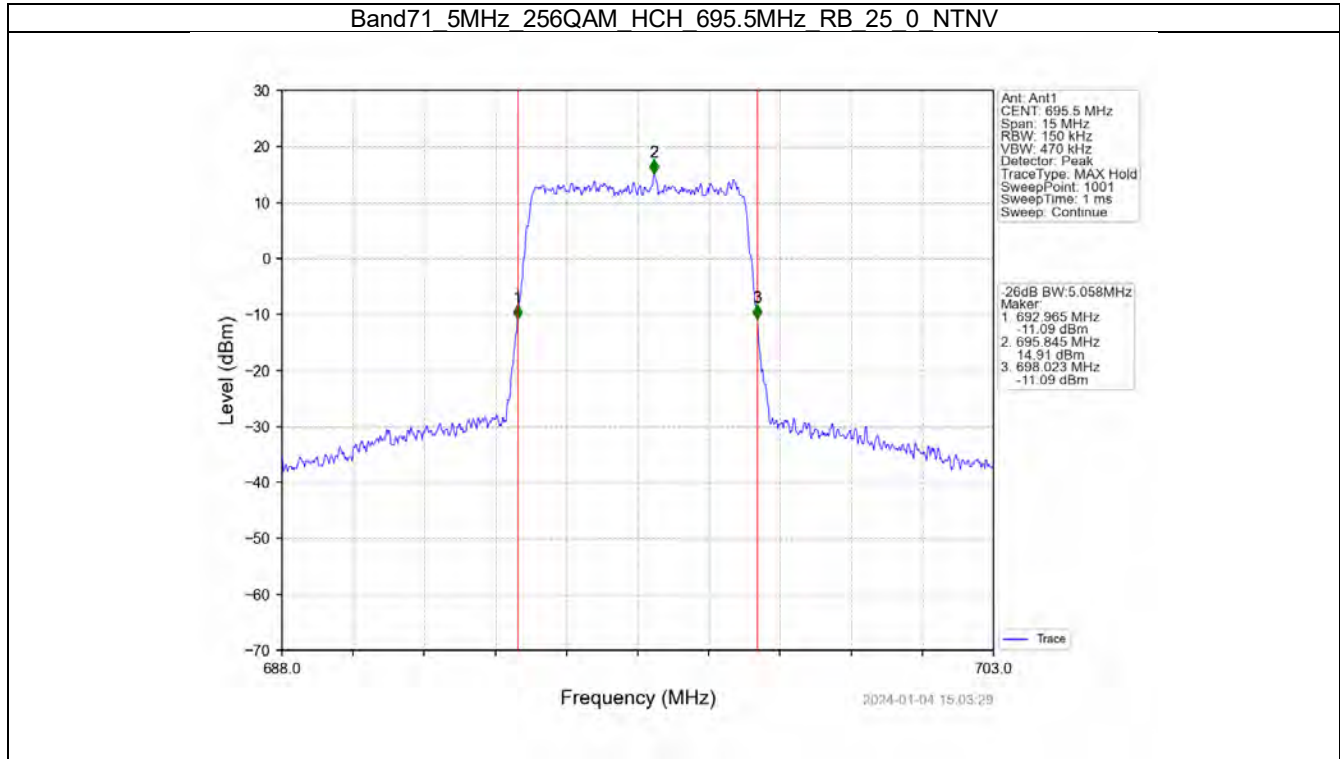


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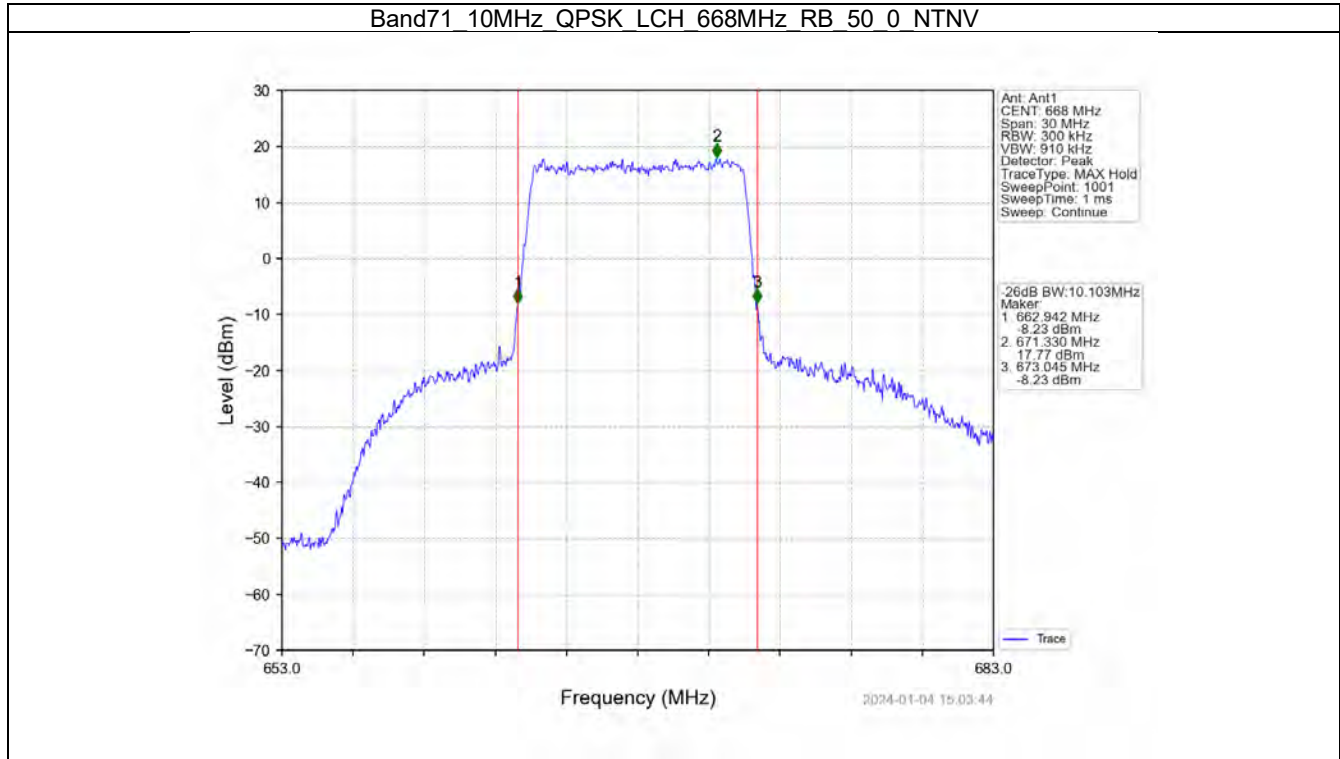
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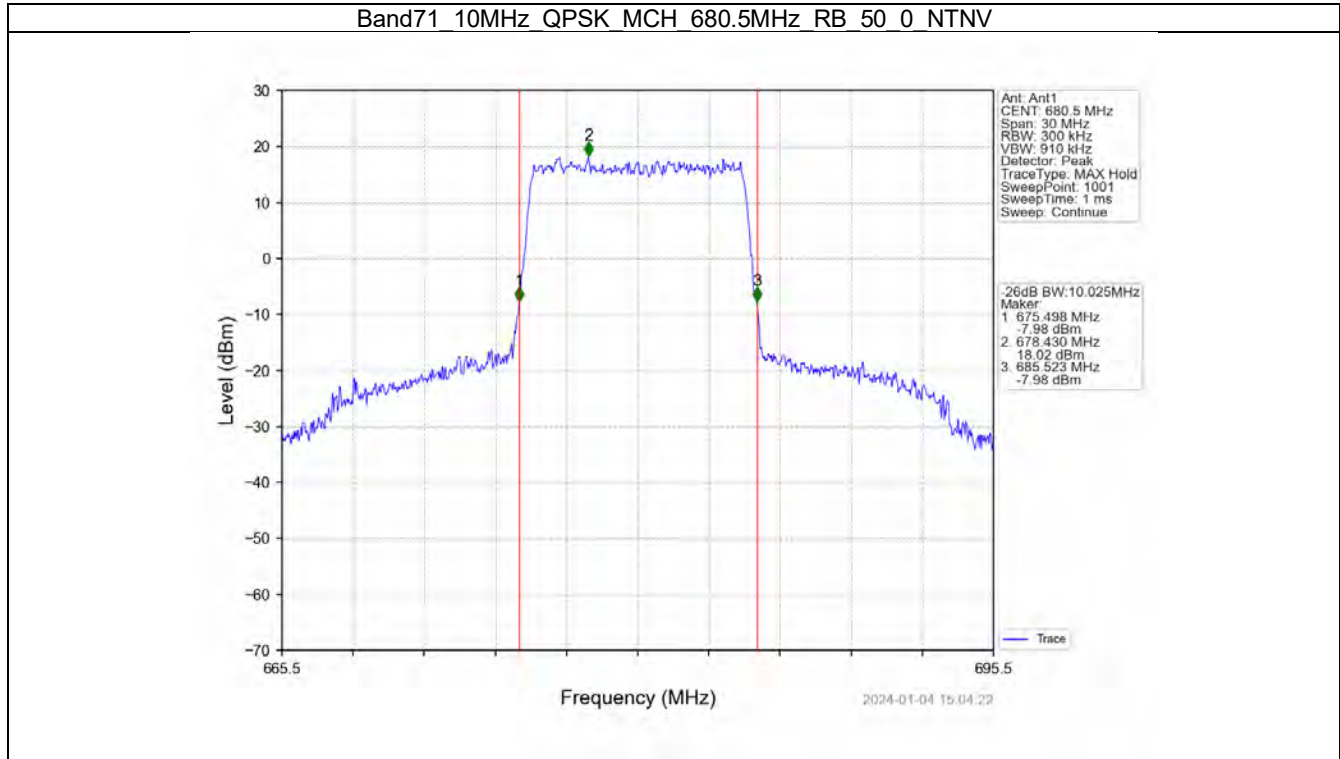
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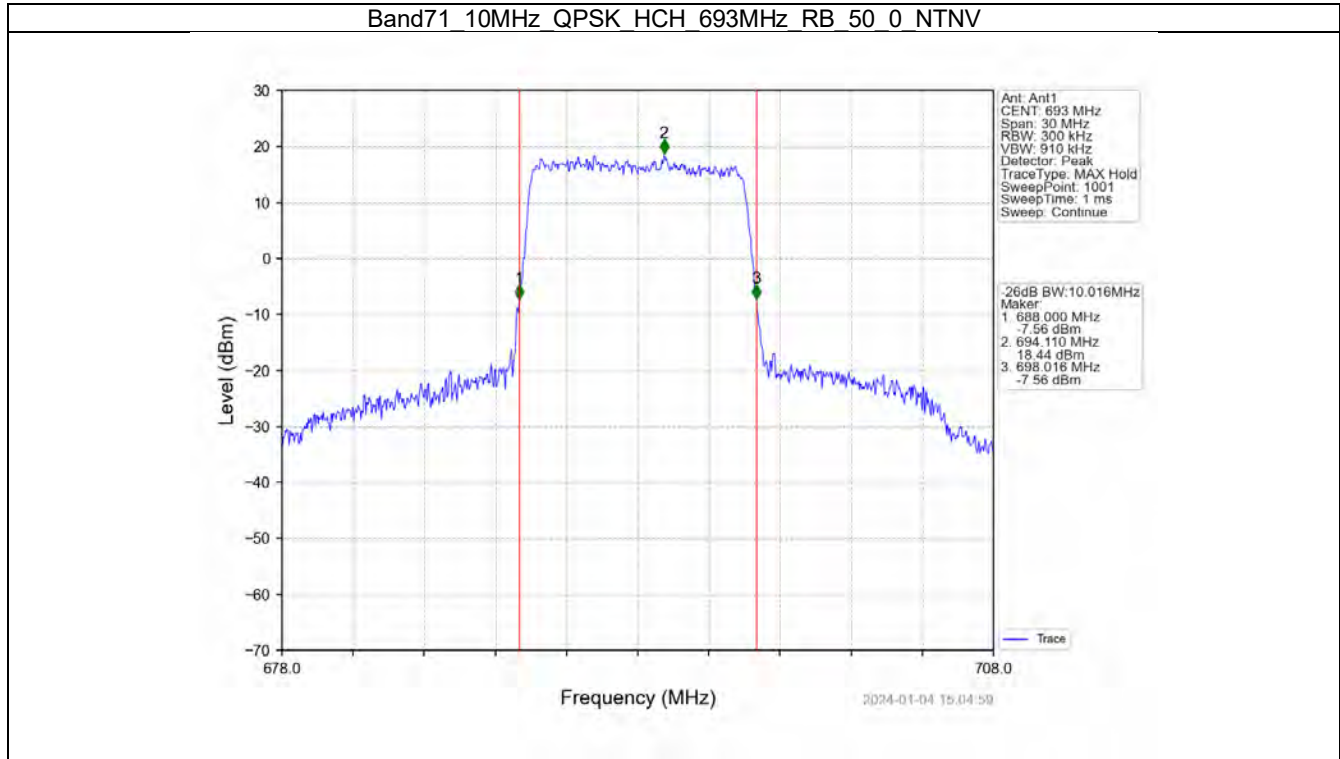
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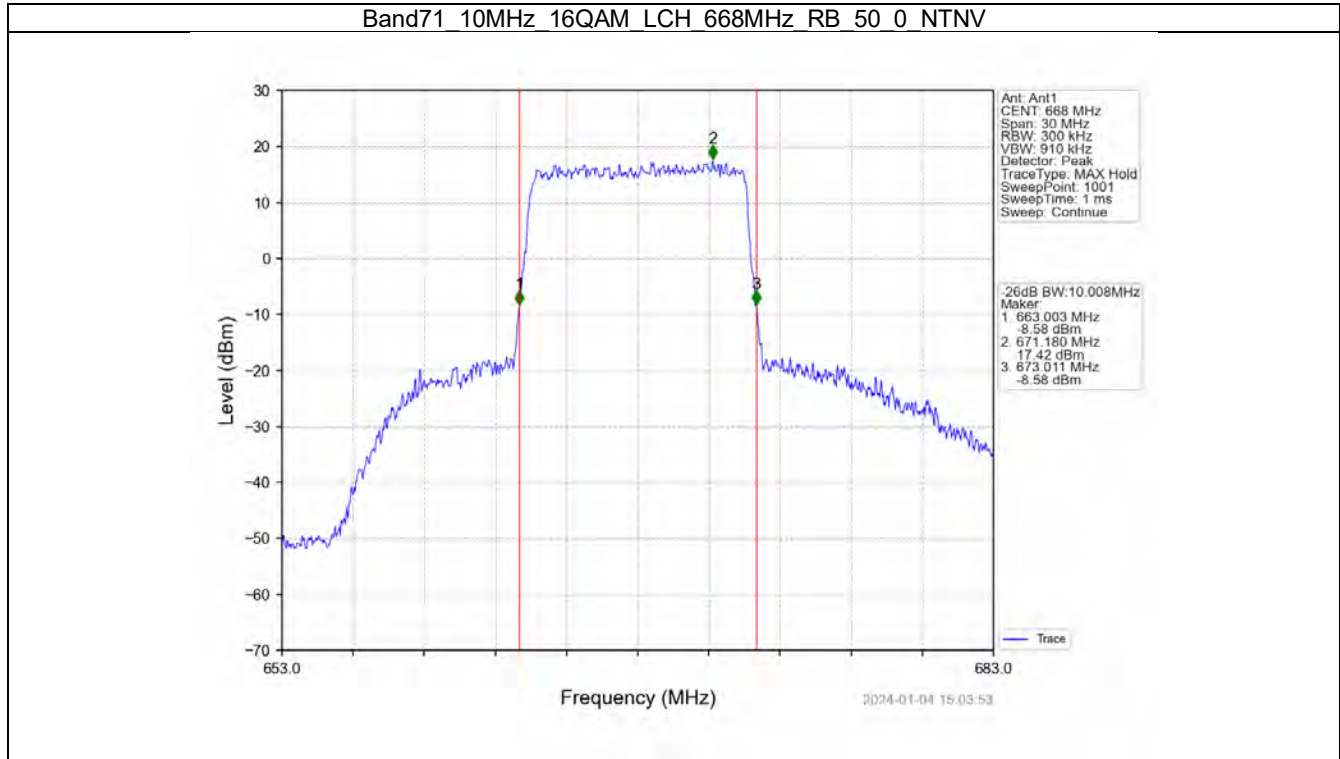
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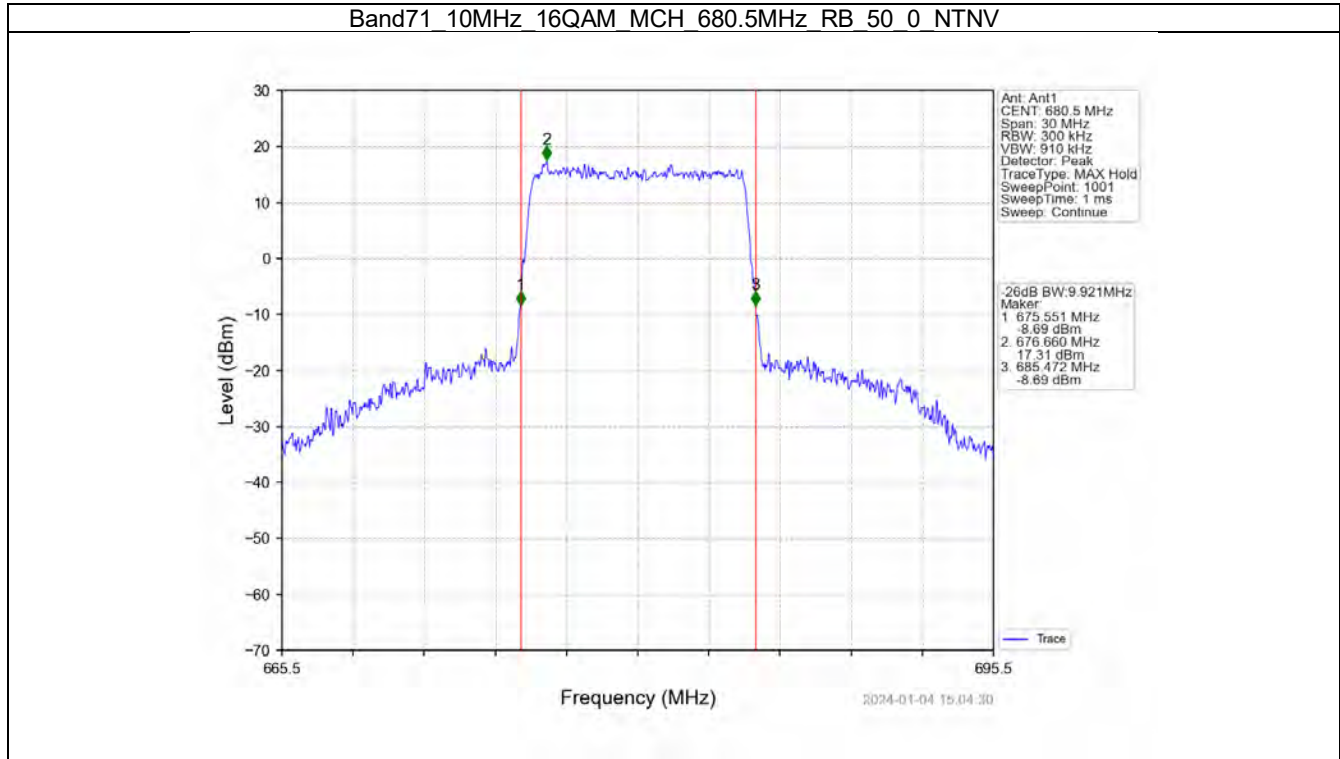
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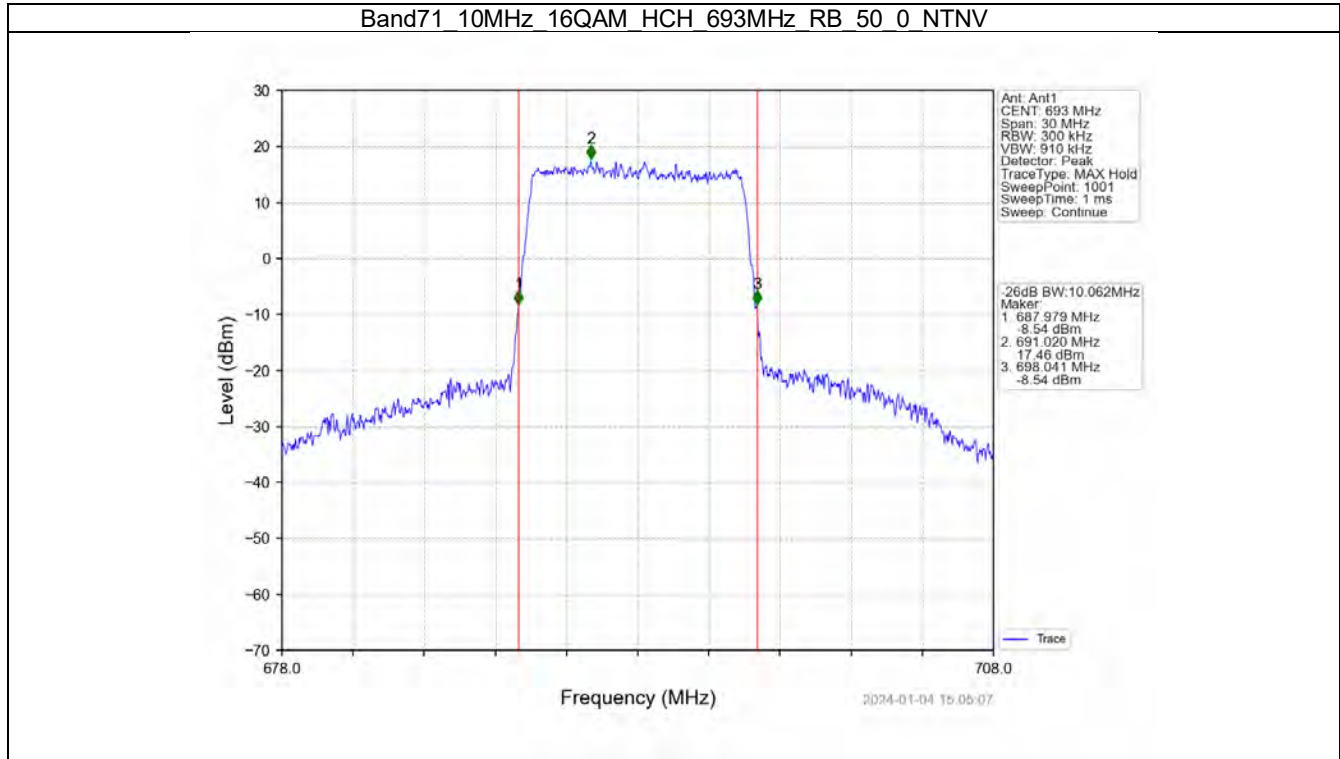
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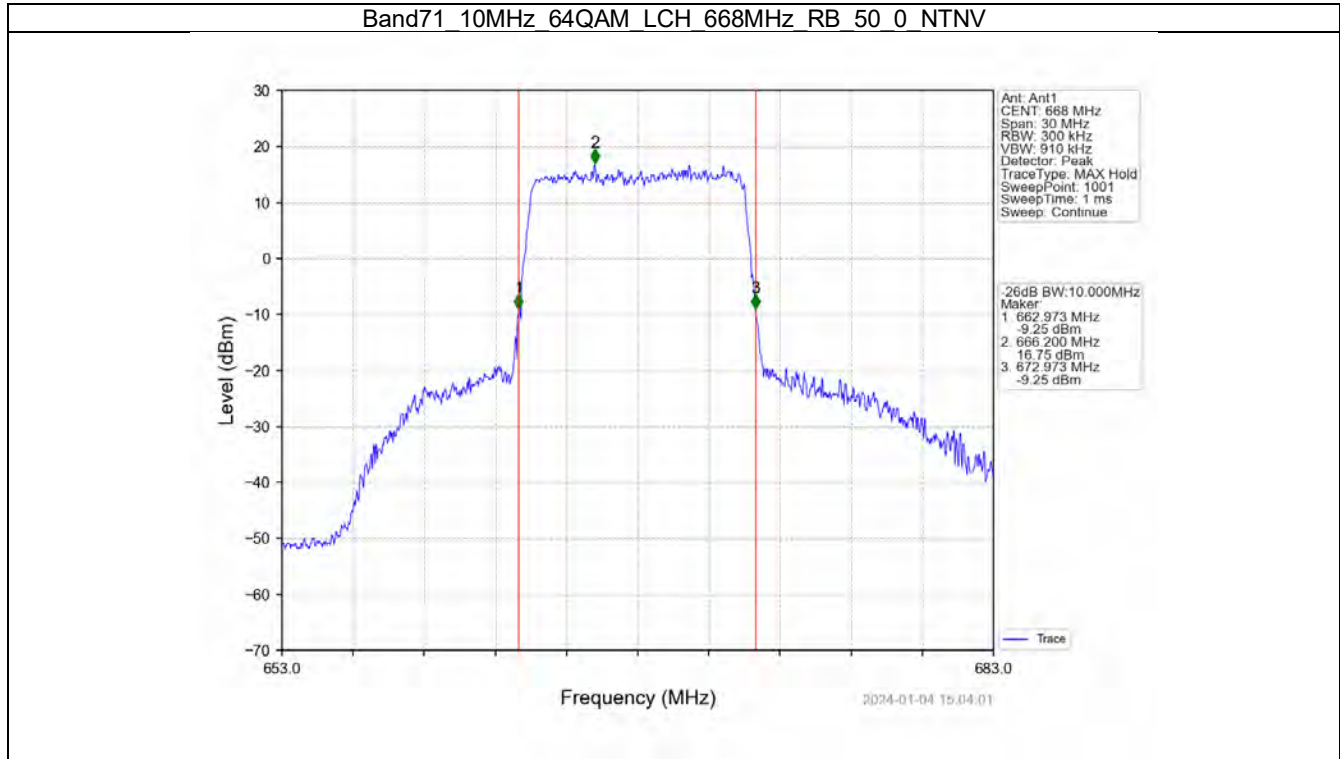
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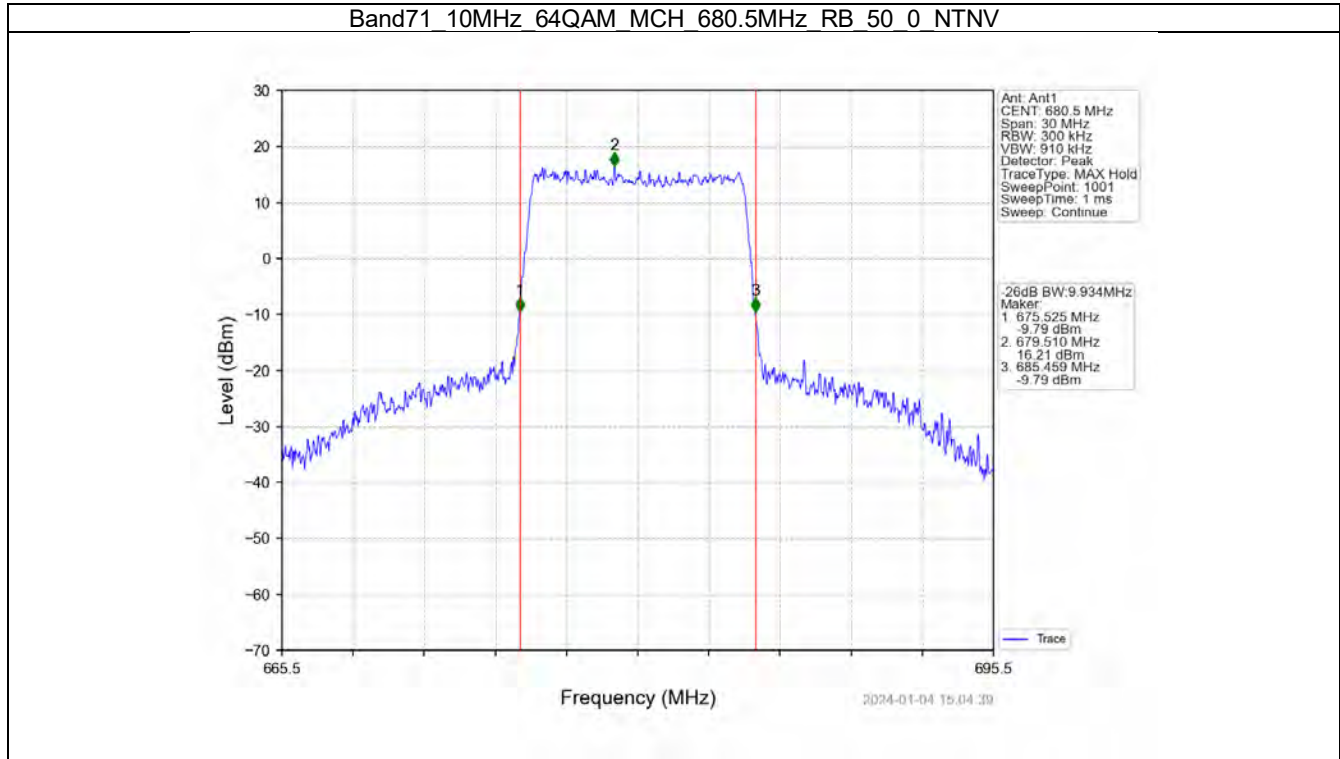
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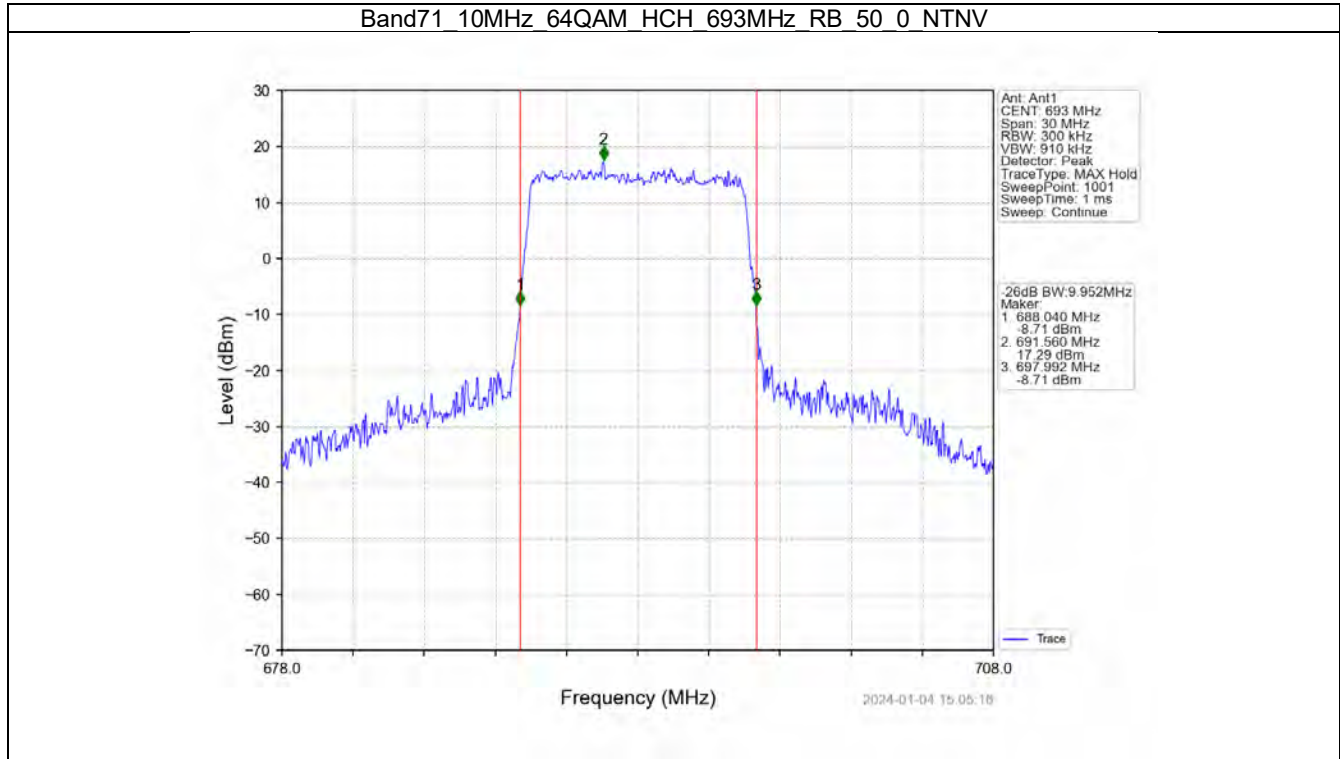
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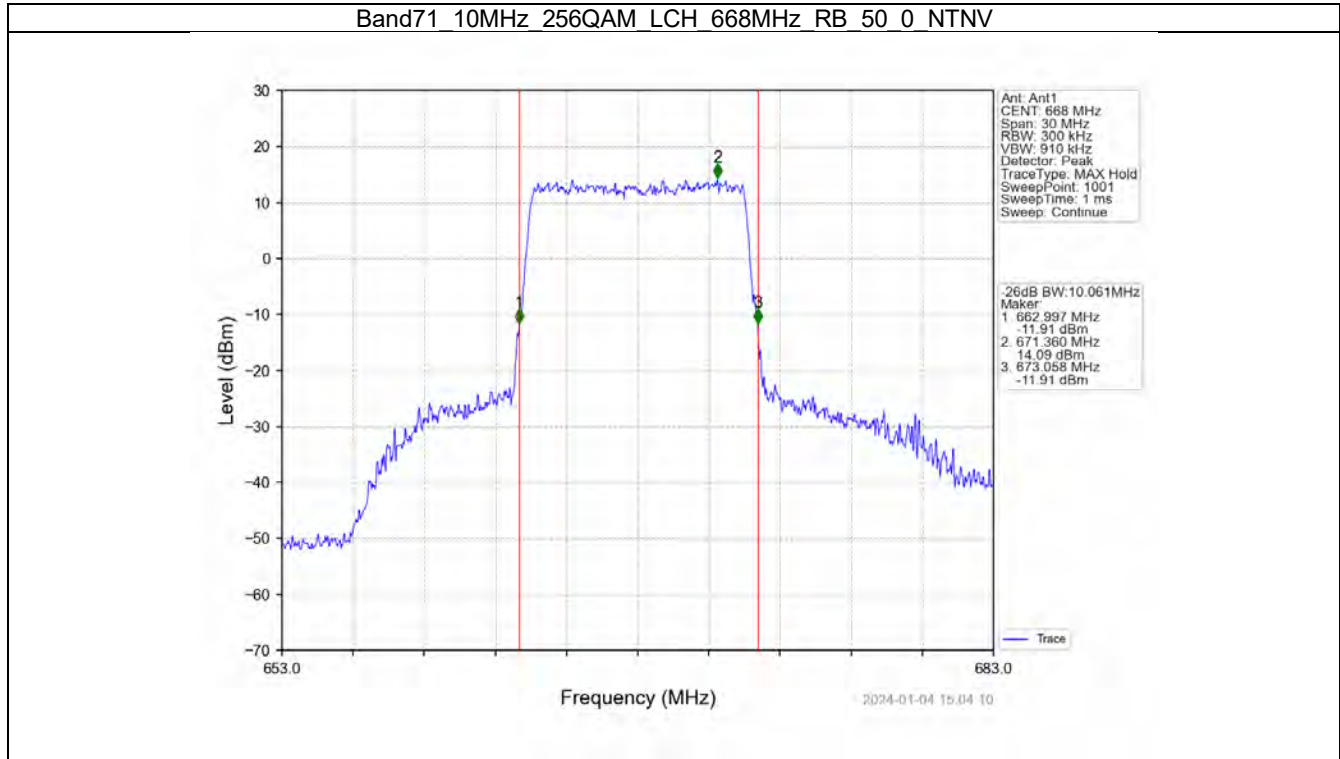
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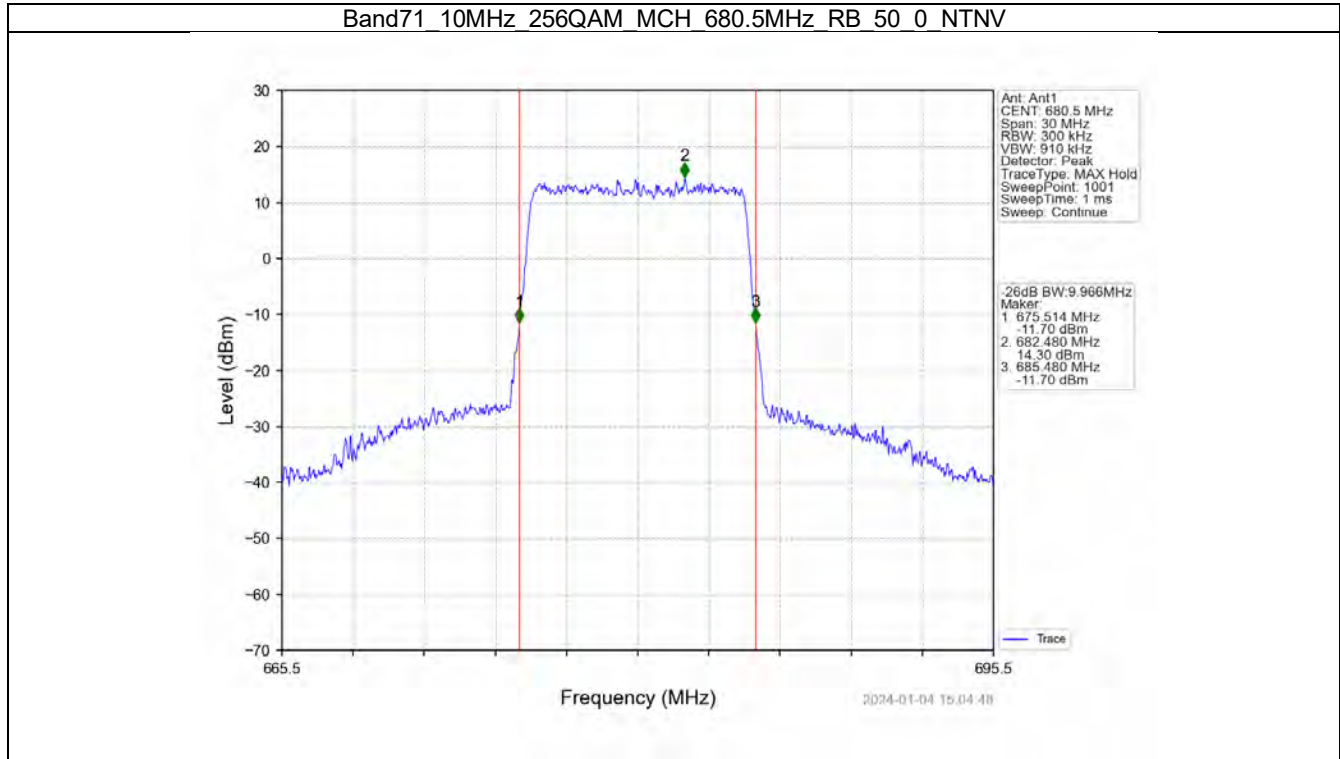
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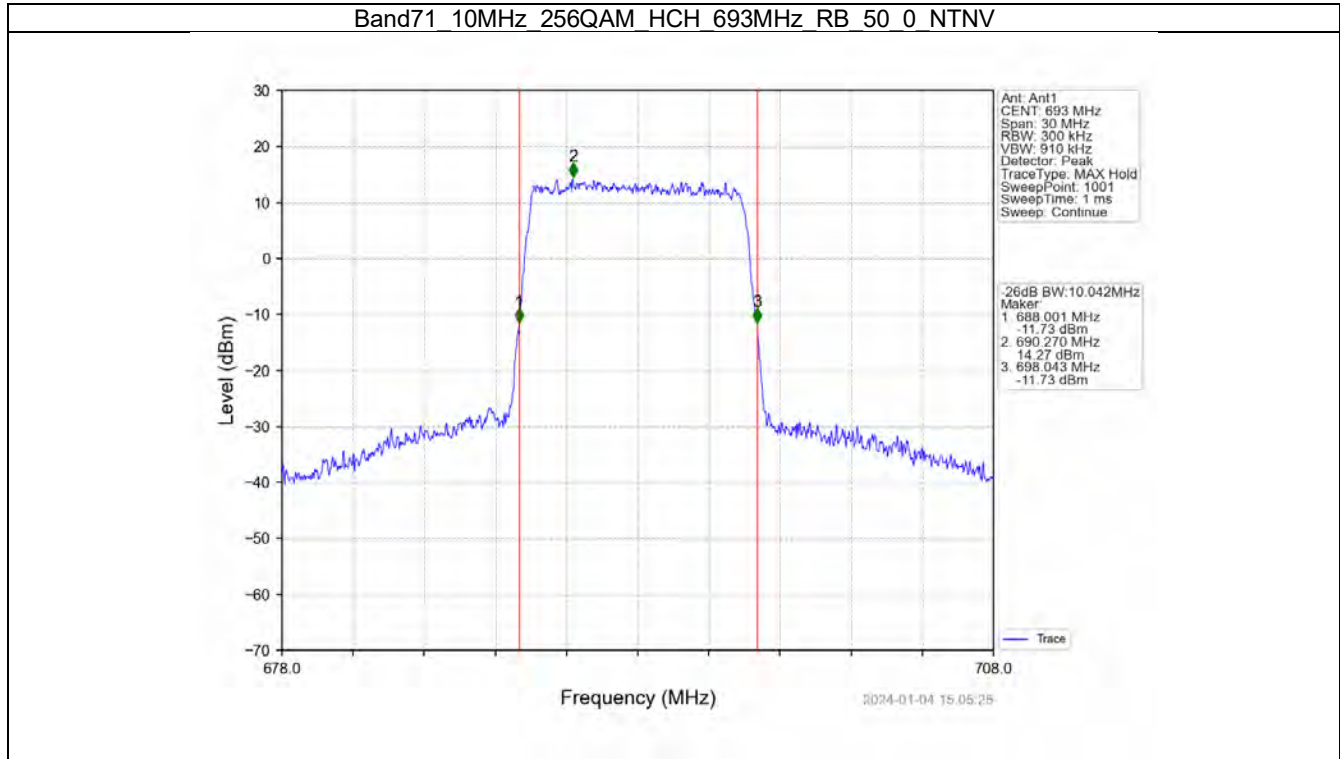
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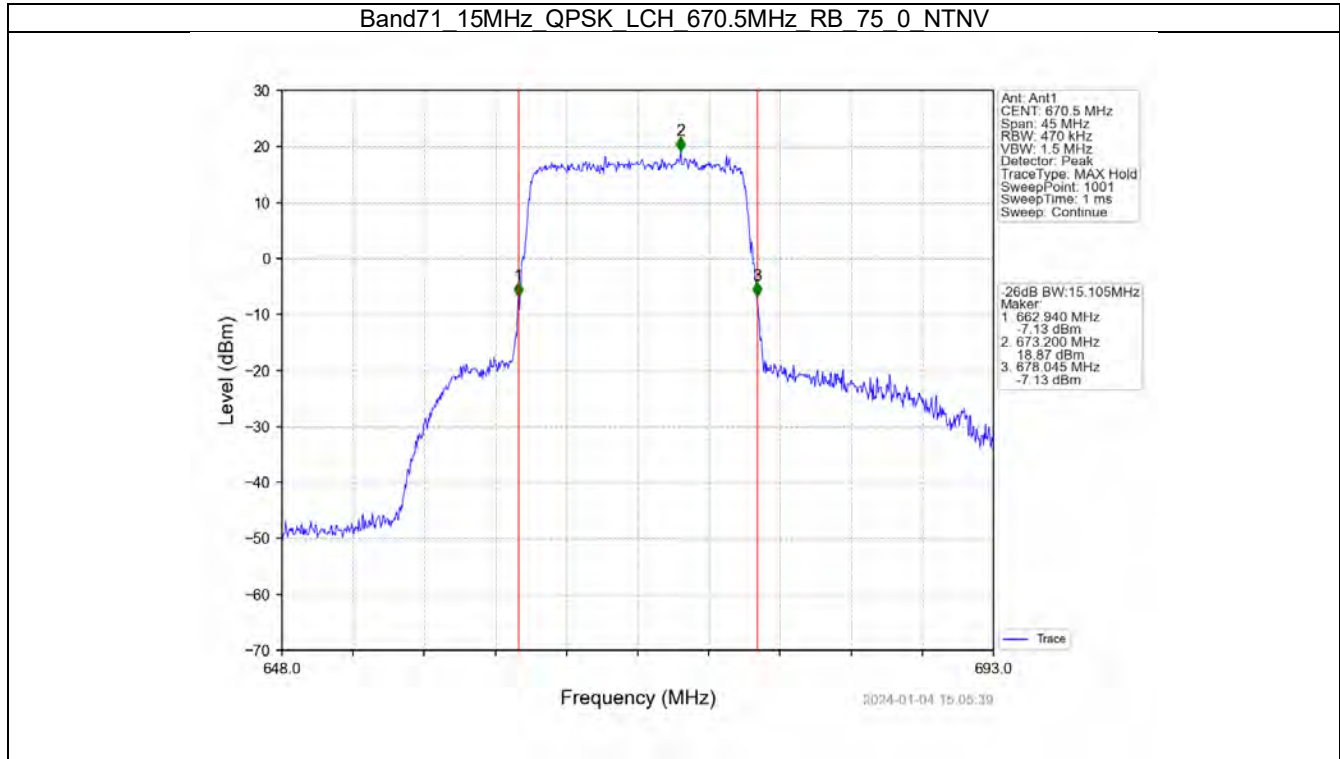
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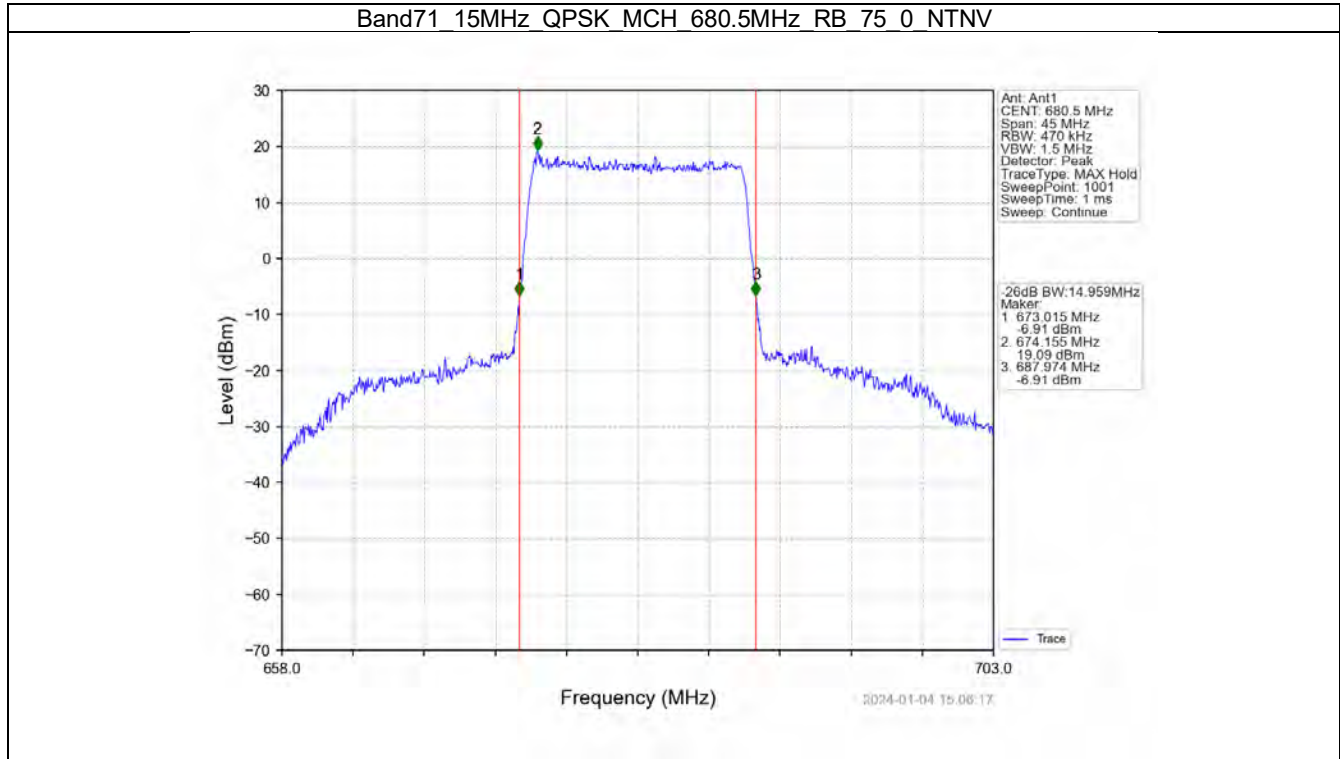
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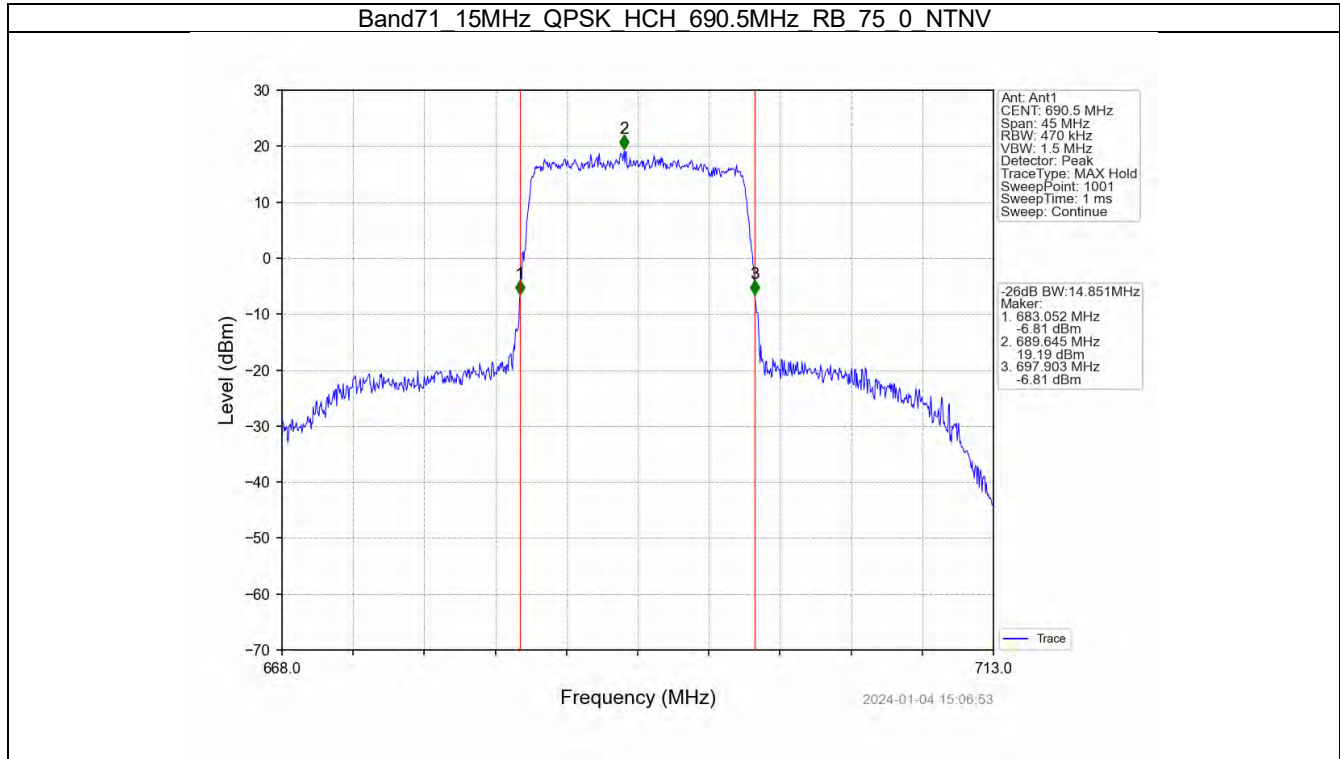


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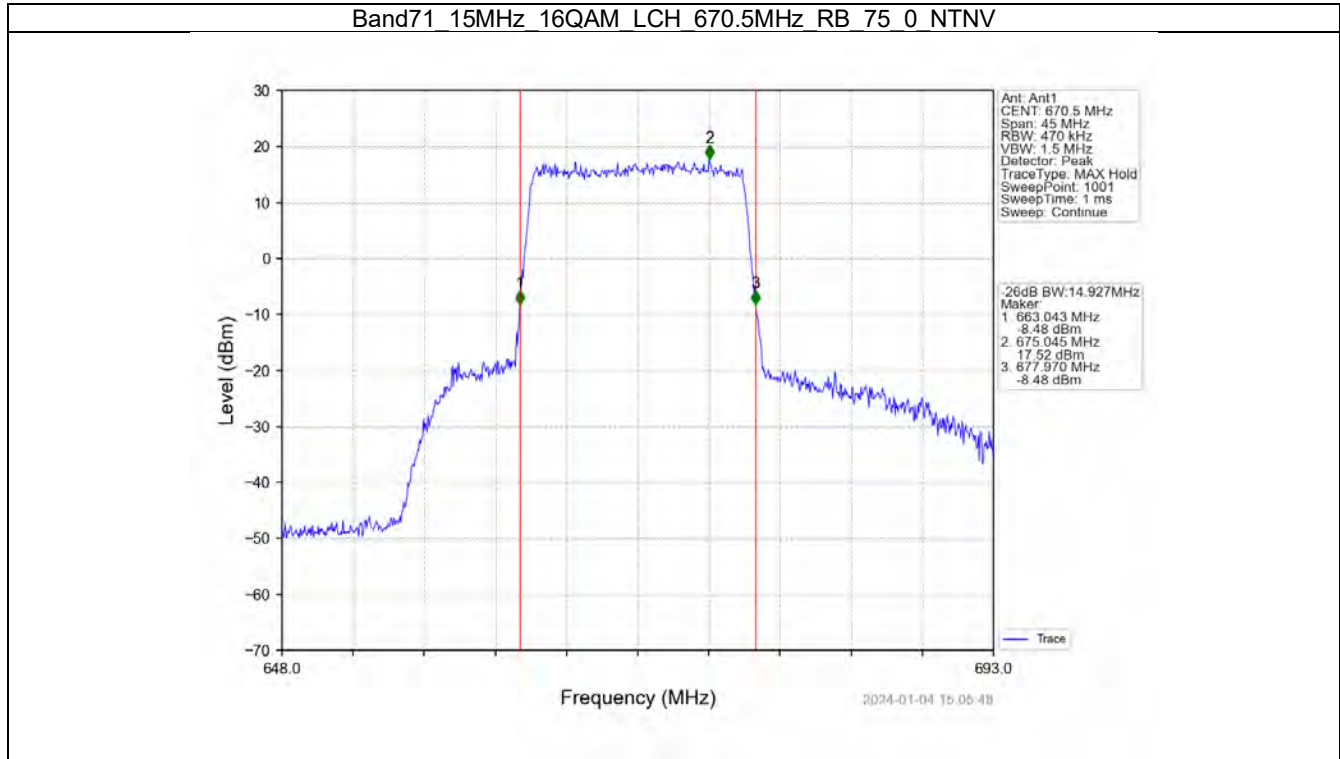
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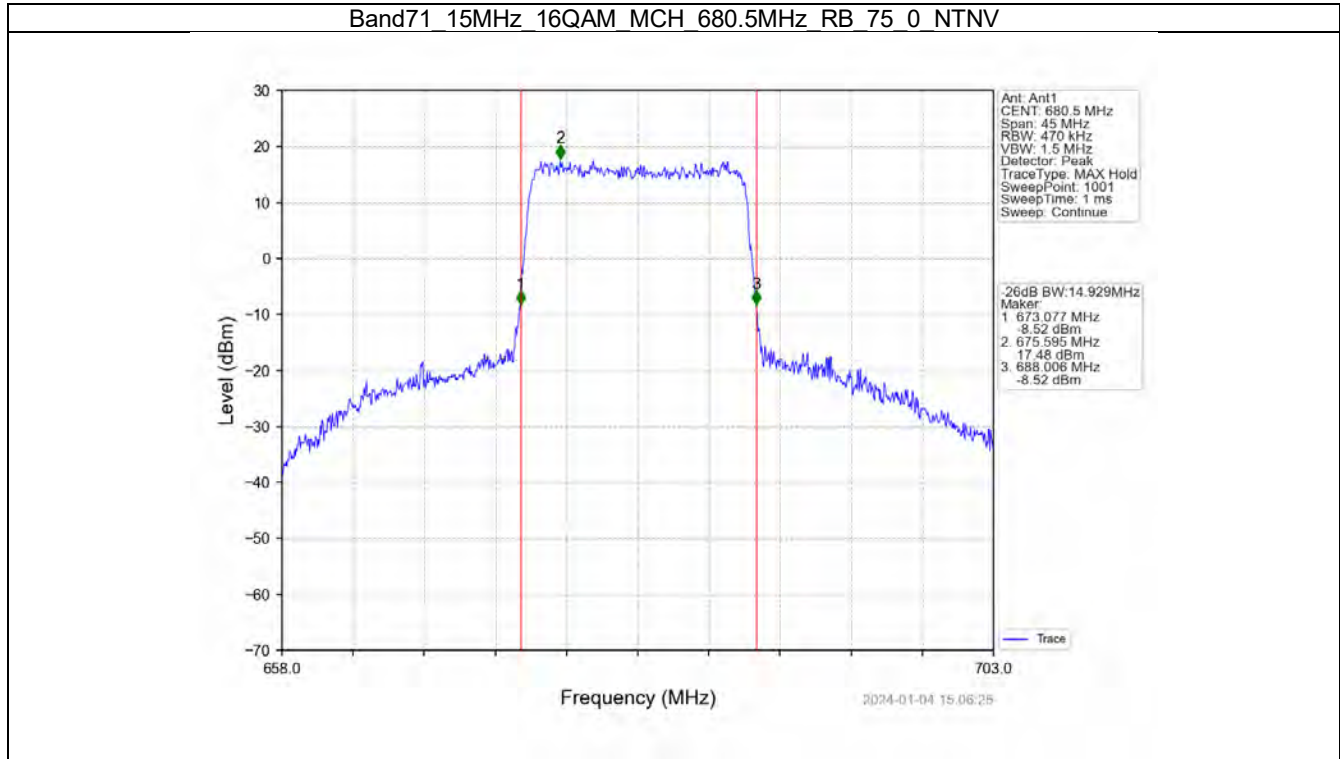
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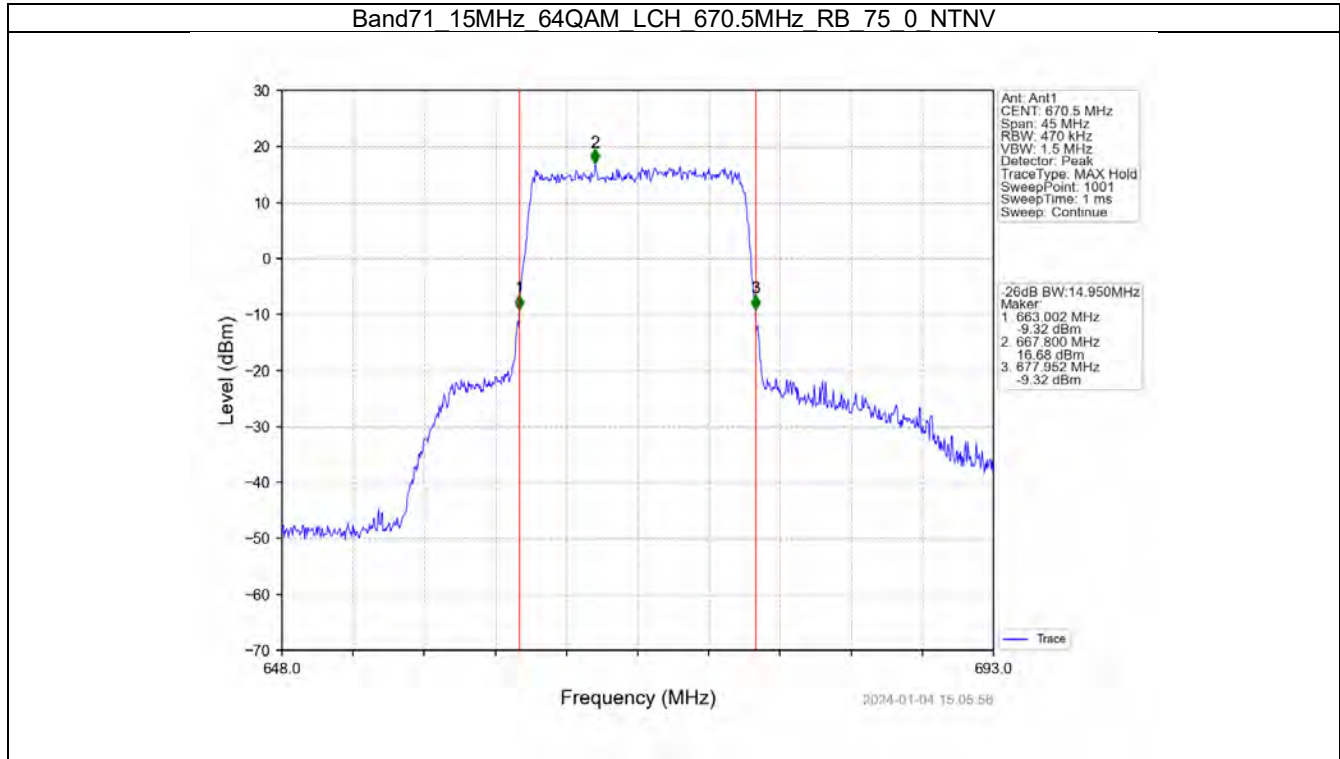
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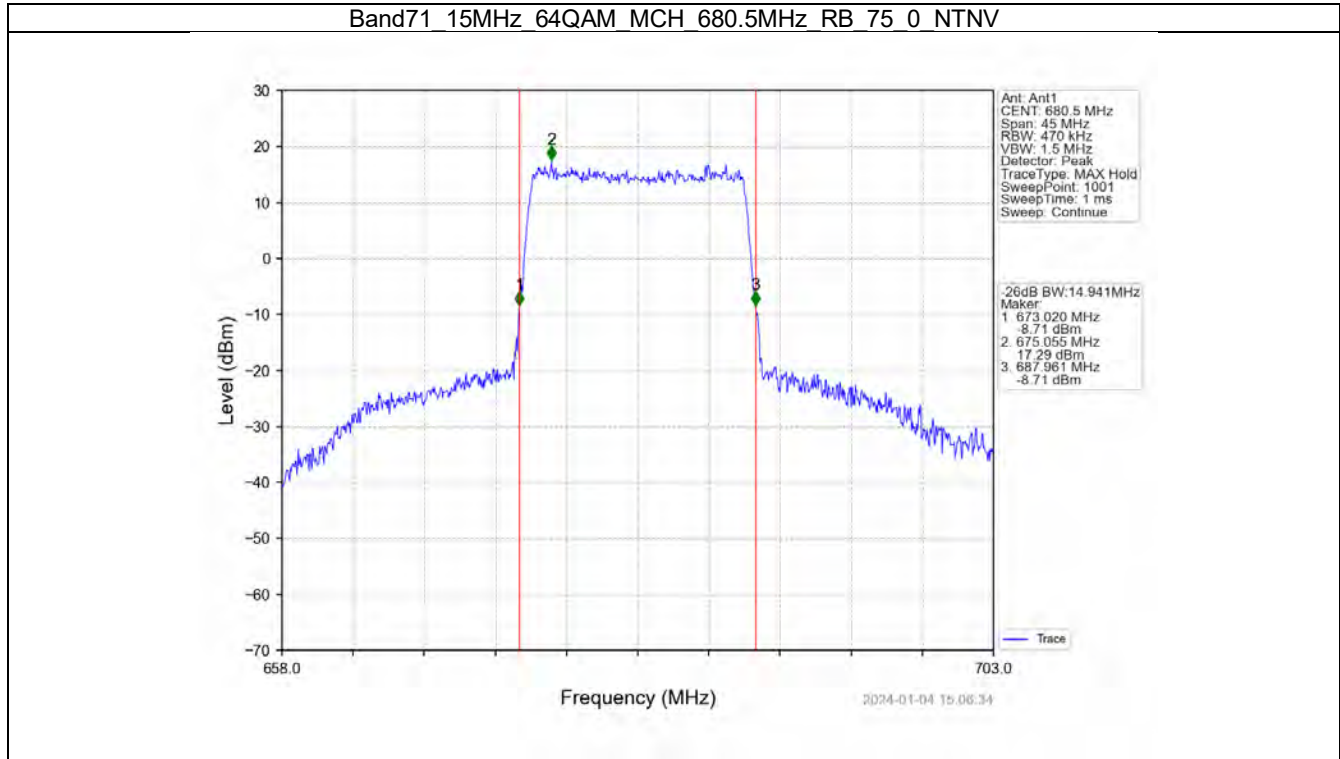
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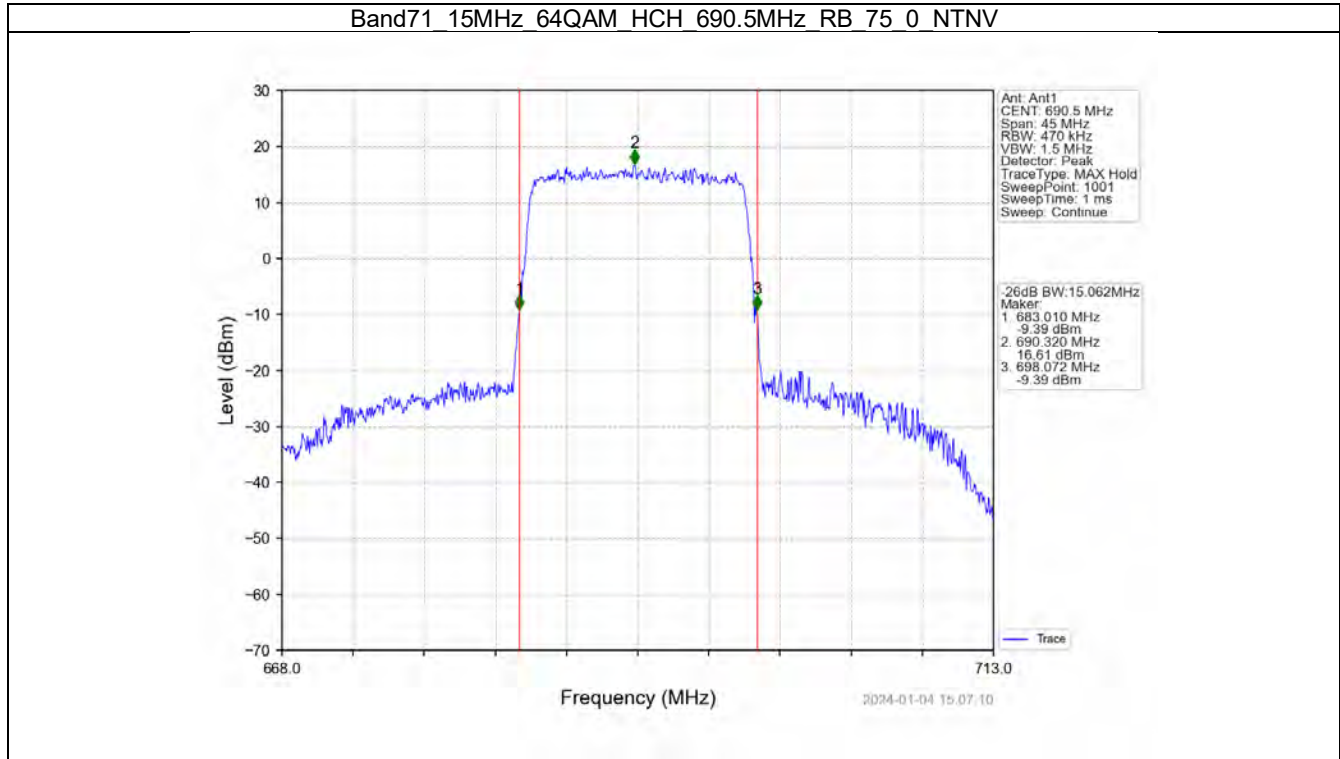
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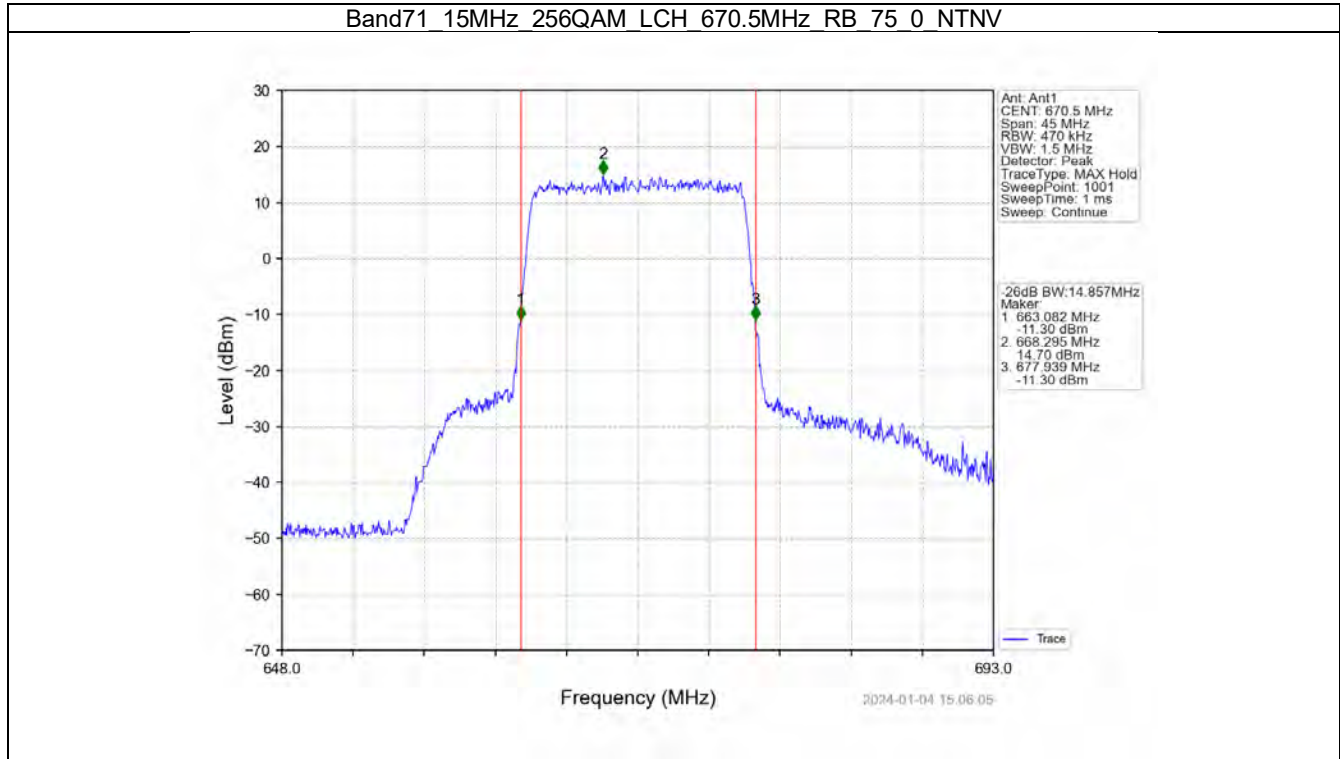


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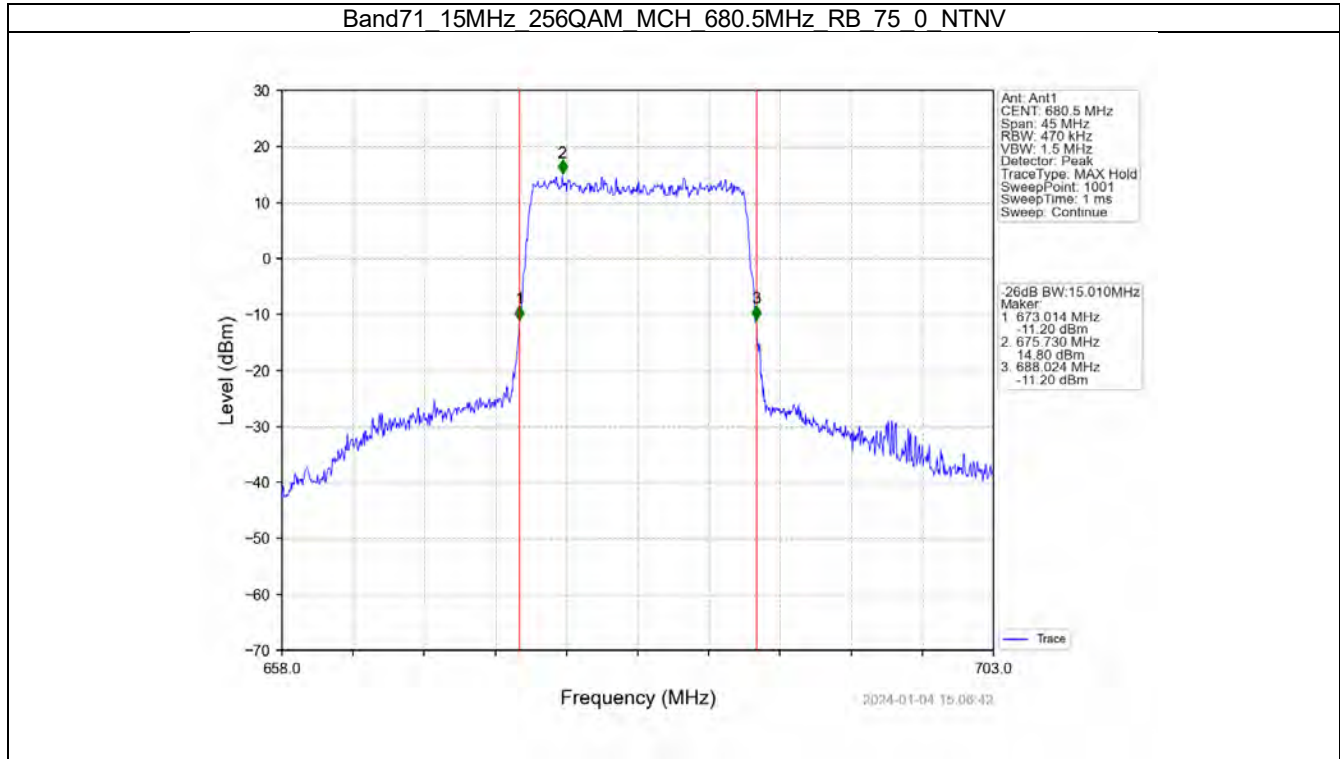
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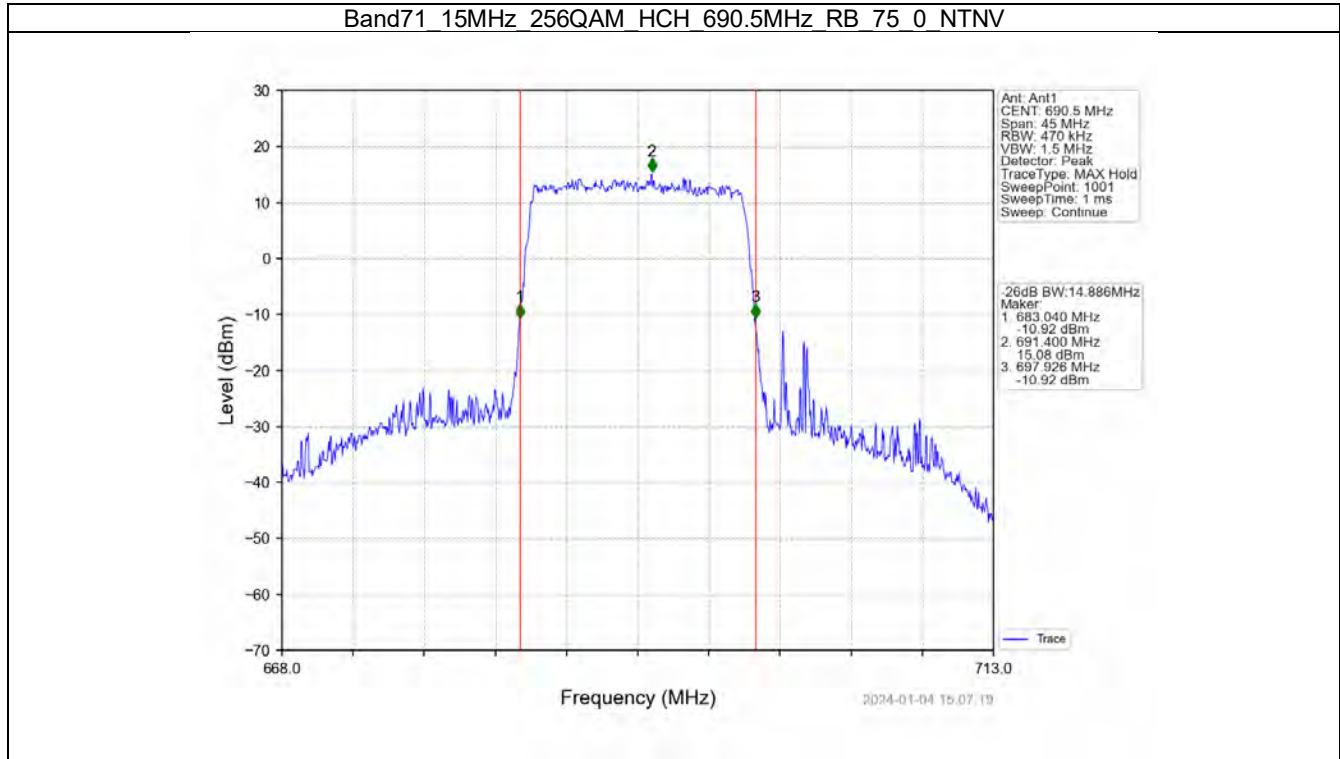
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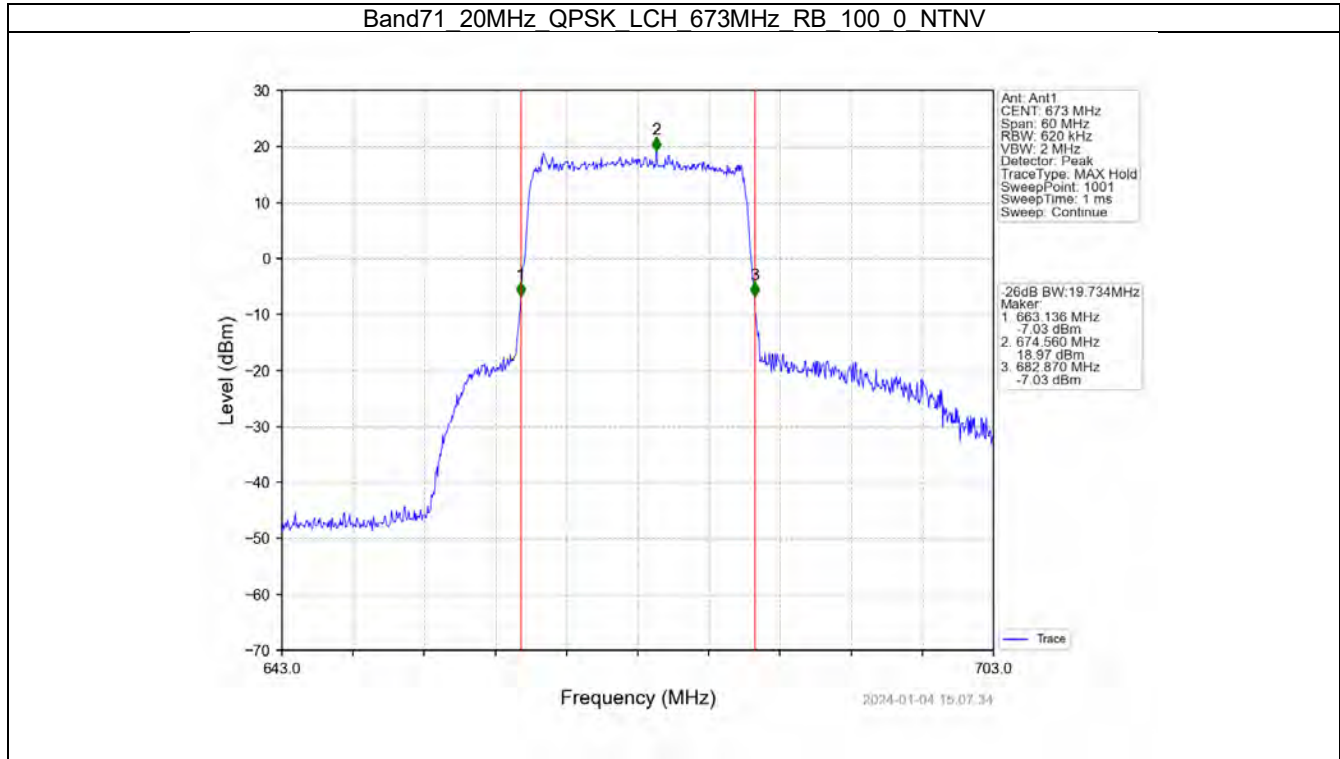
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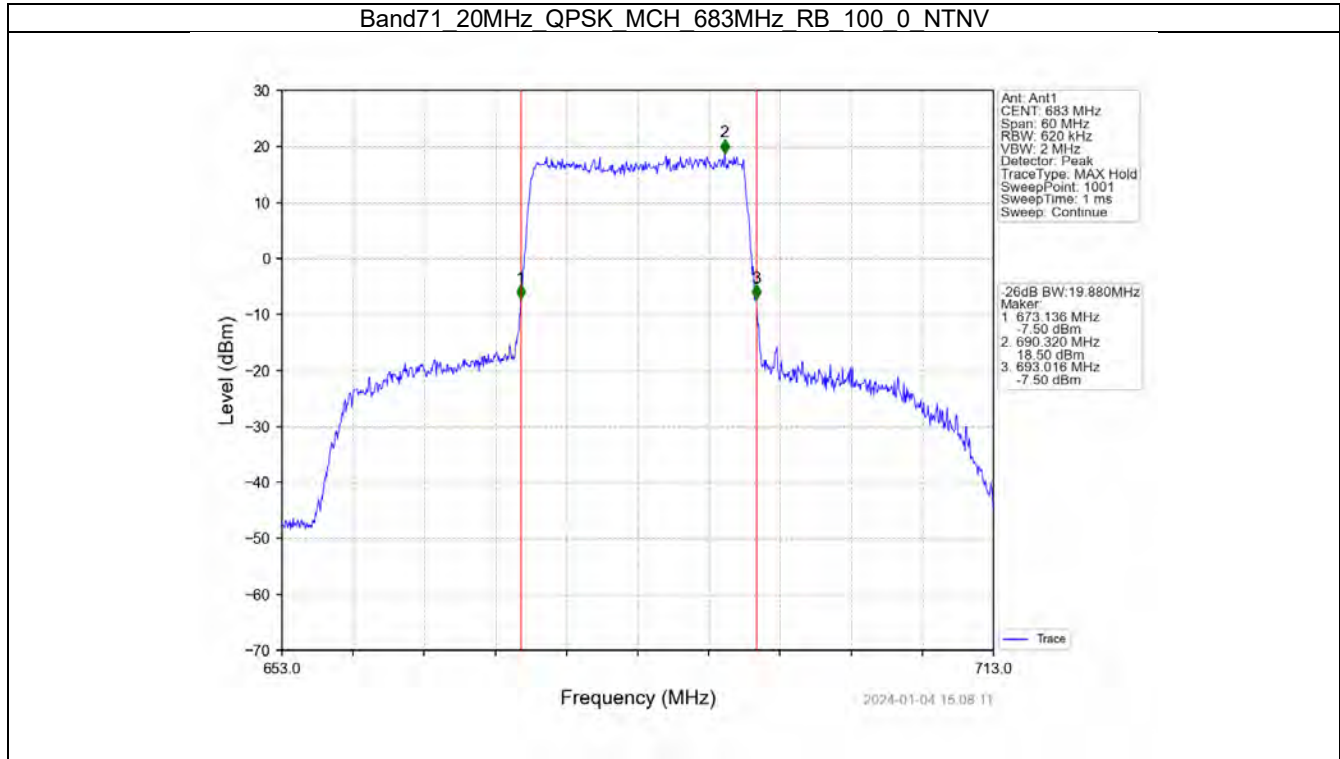
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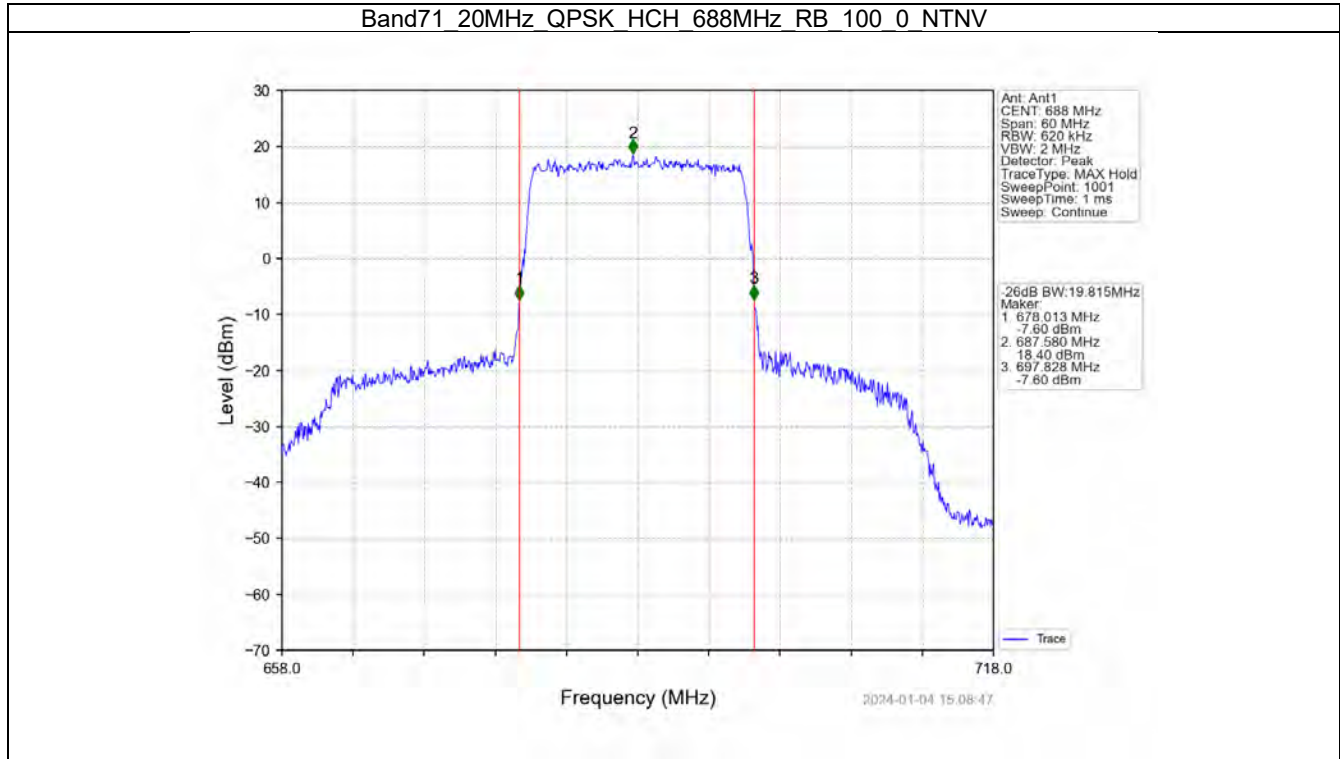
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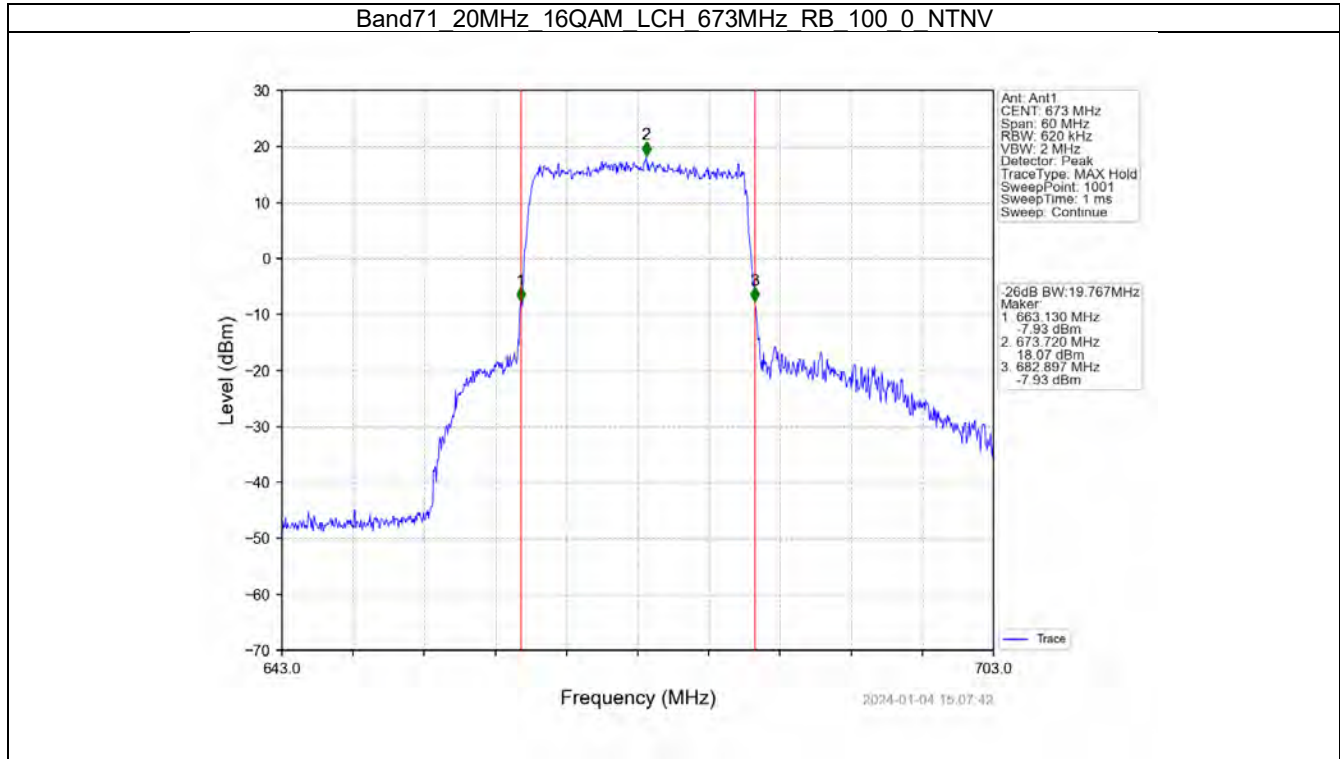
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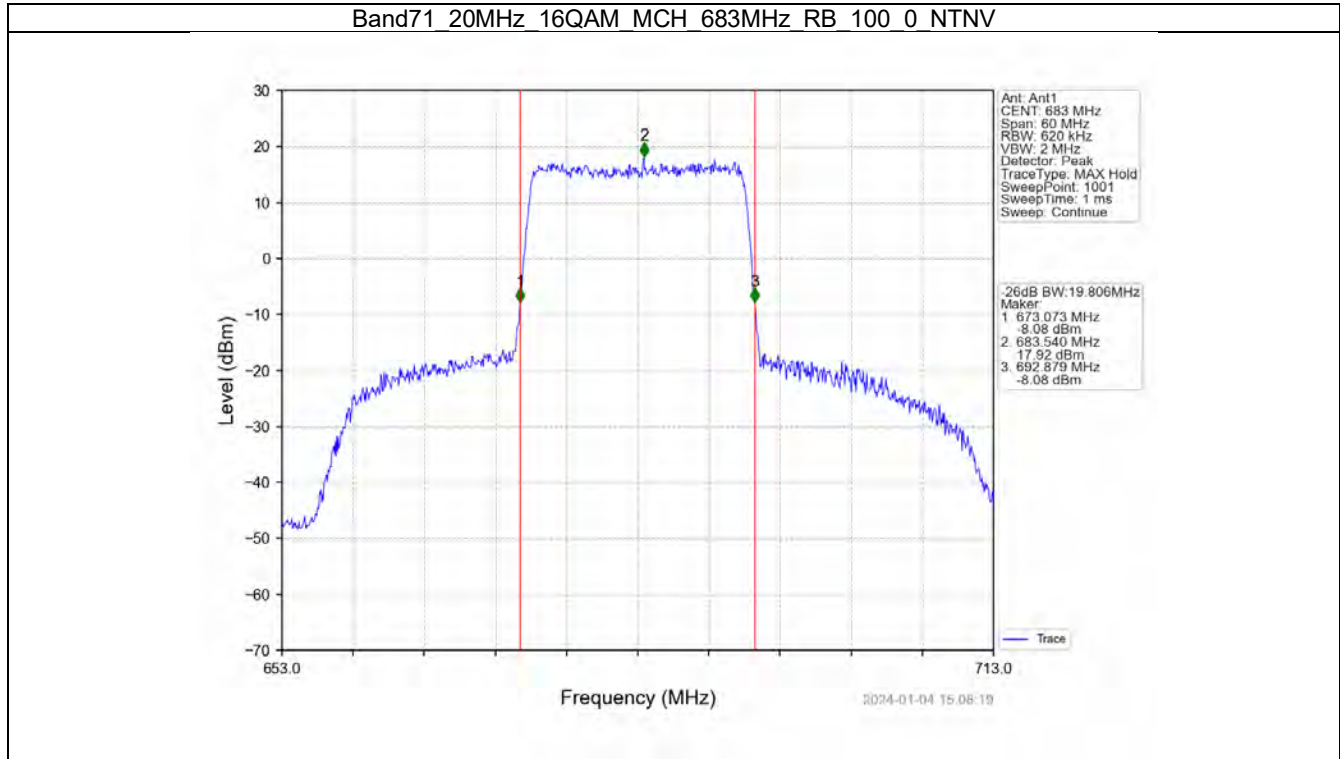


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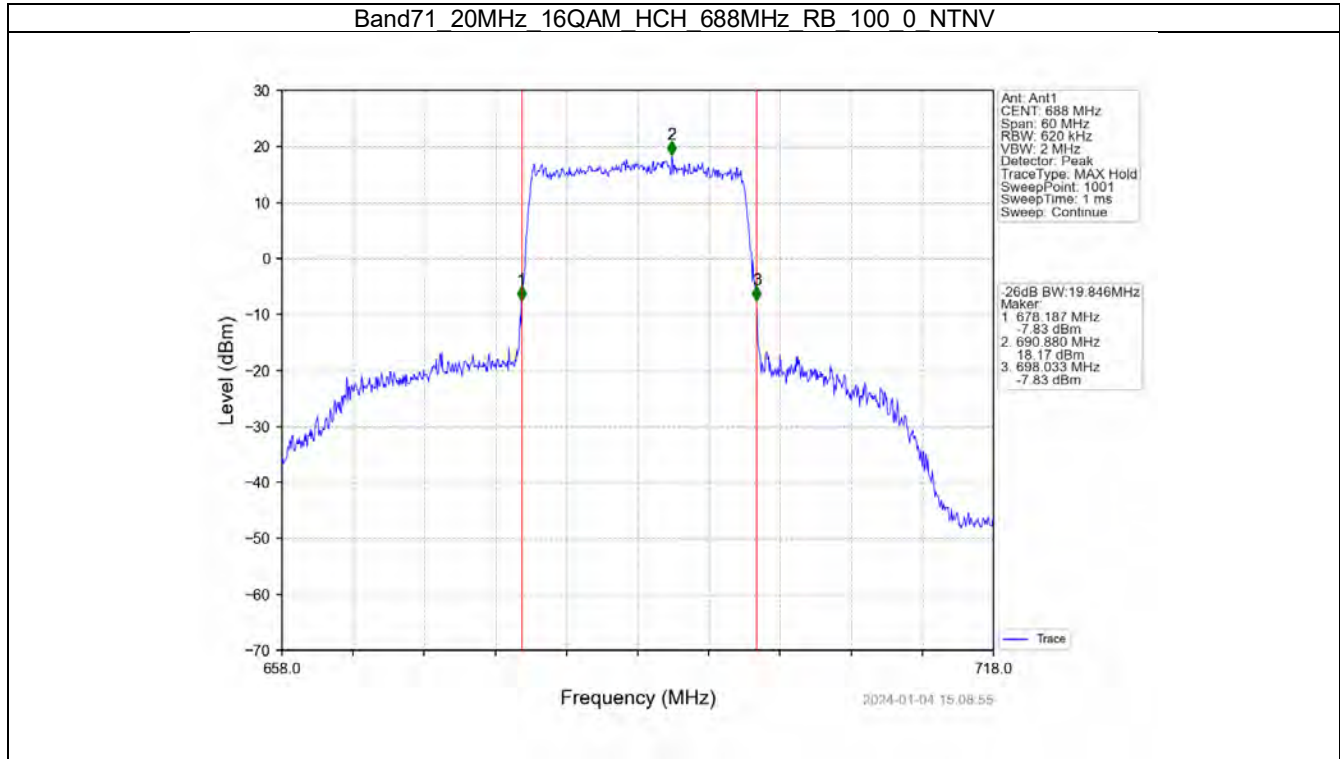
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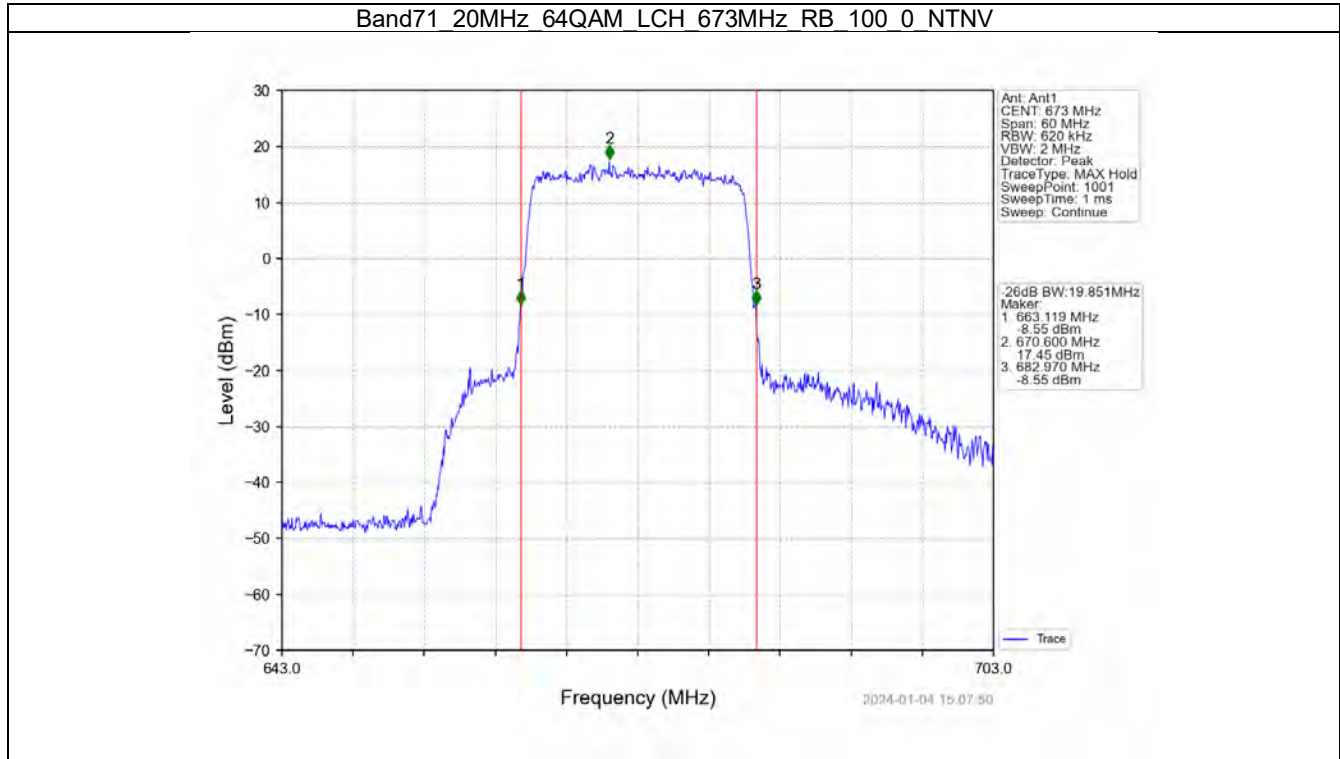
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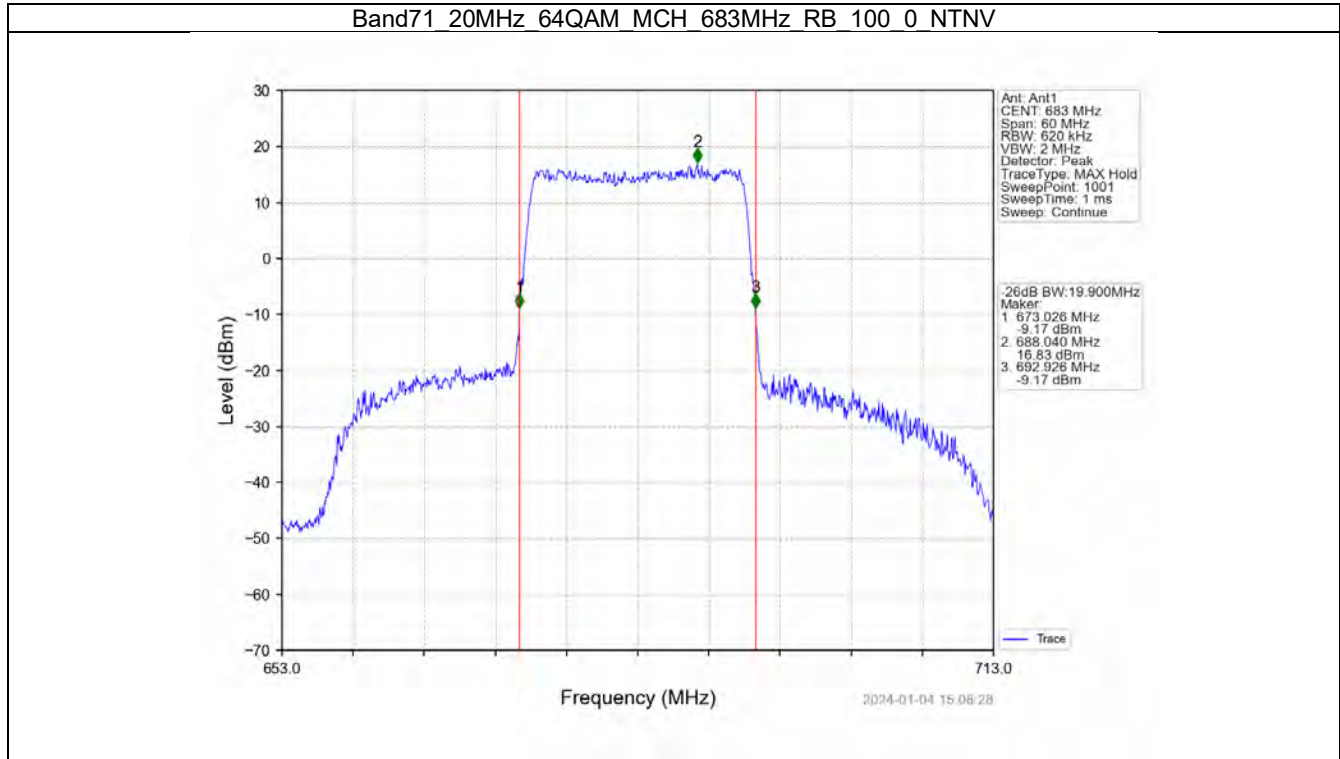


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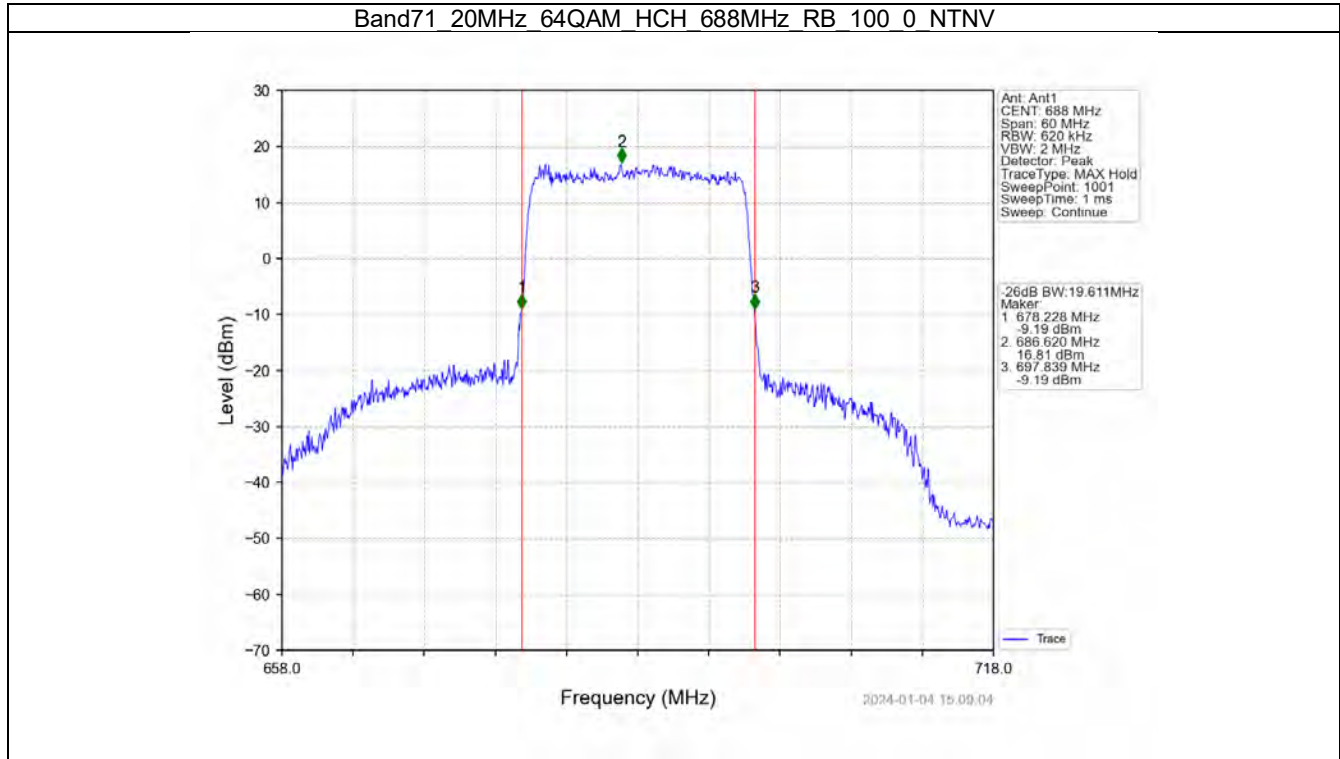
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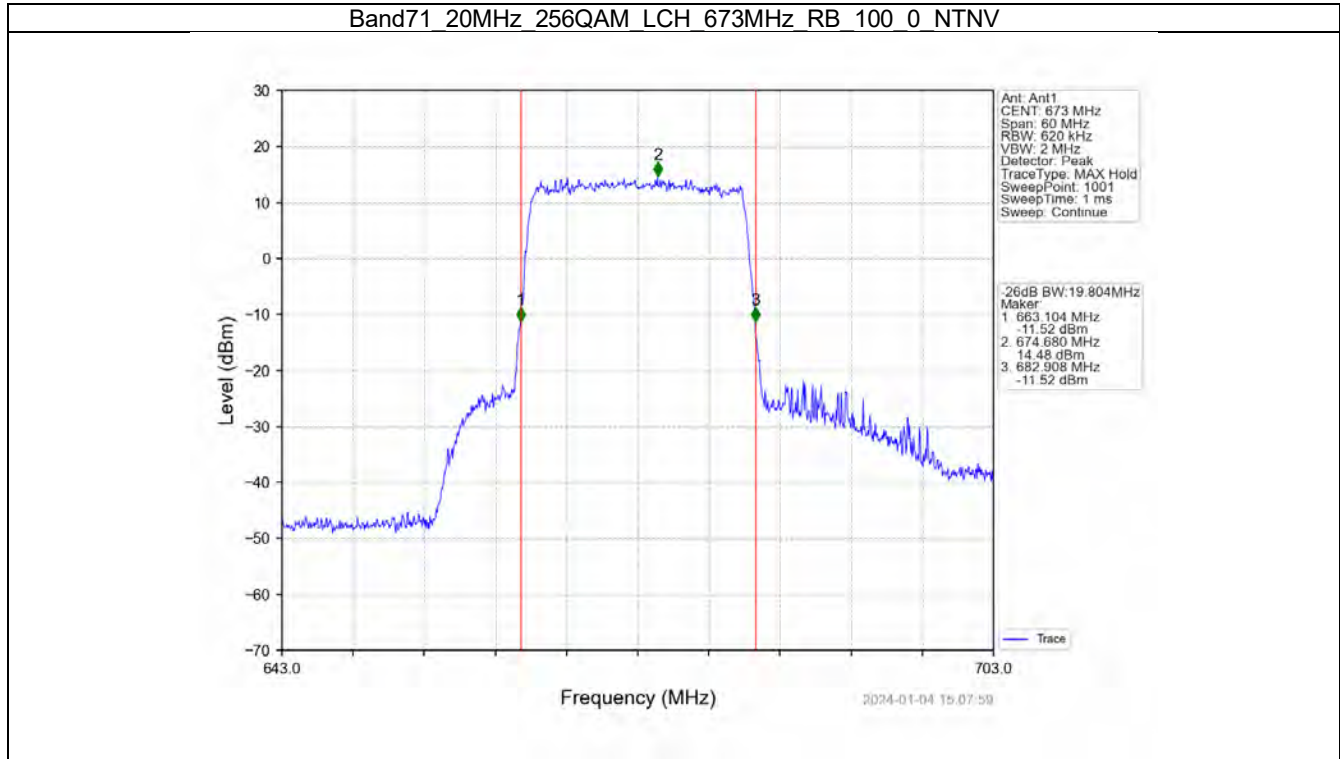


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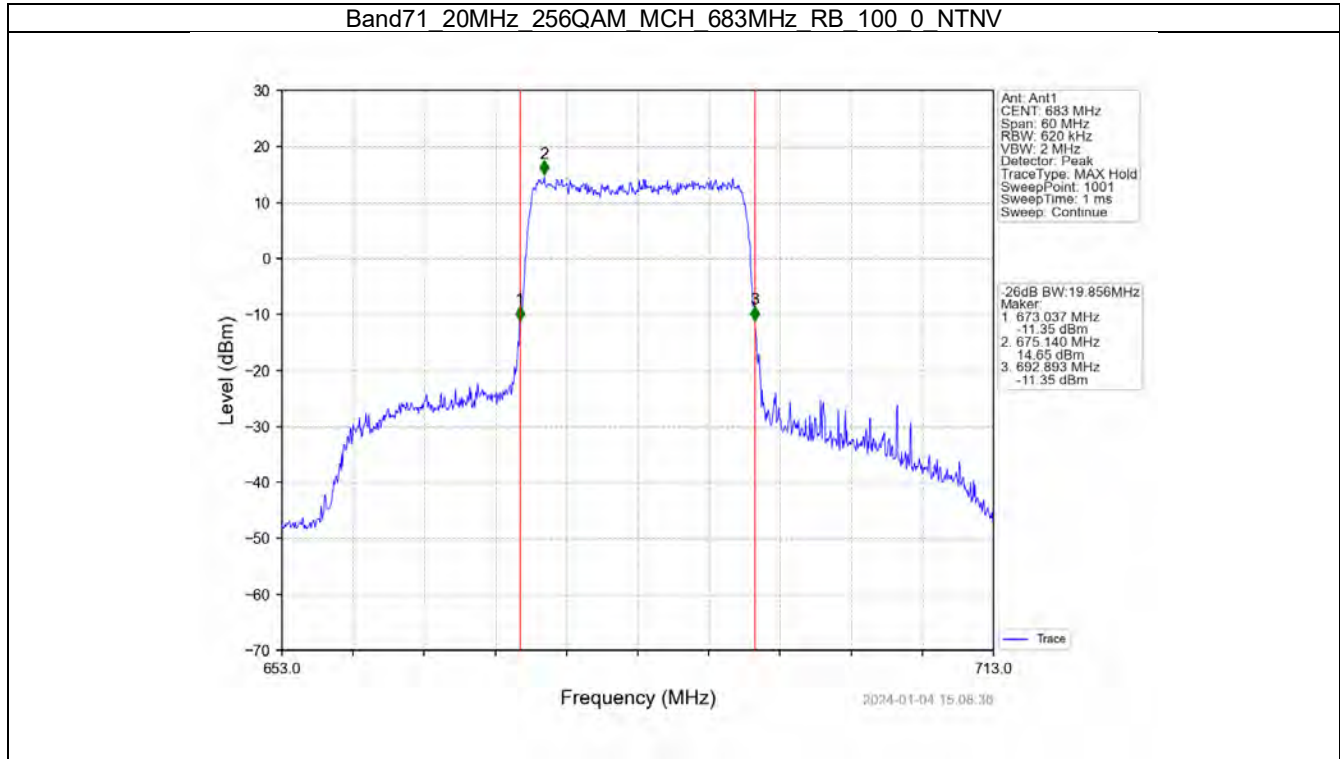
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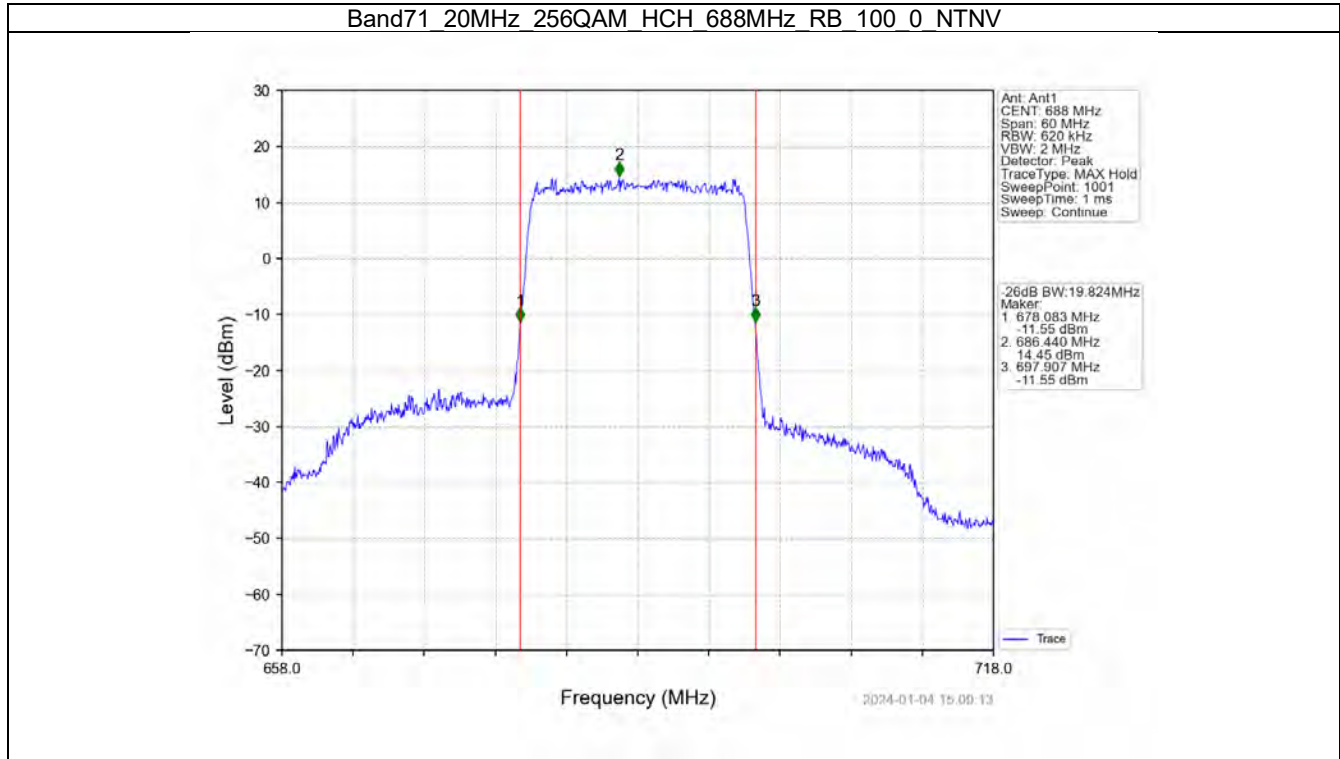
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4. Peak-Average Ratio

4.1 B71_5MHz

4.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.31	<=13	Pass
	680.5	25	0	5.24	<=13	Pass
	695.5	25	0	5.34	<=13	Pass
16QAM	665.5	25	0	6.00	<=13	Pass
	680.5	25	0	5.96	<=13	Pass
	695.5	25	0	6.01	<=13	Pass
64QAM	665.5	25	0	6.34	<=13	Pass
	680.5	25	0	6.29	<=13	Pass
	695.5	25	0	6.36	<=13	Pass
256QAM	665.5	25	0	6.66	<=13	Pass
	680.5	25	0	6.65	<=13	Pass
	695.5	25	0	6.56	<=13	Pass



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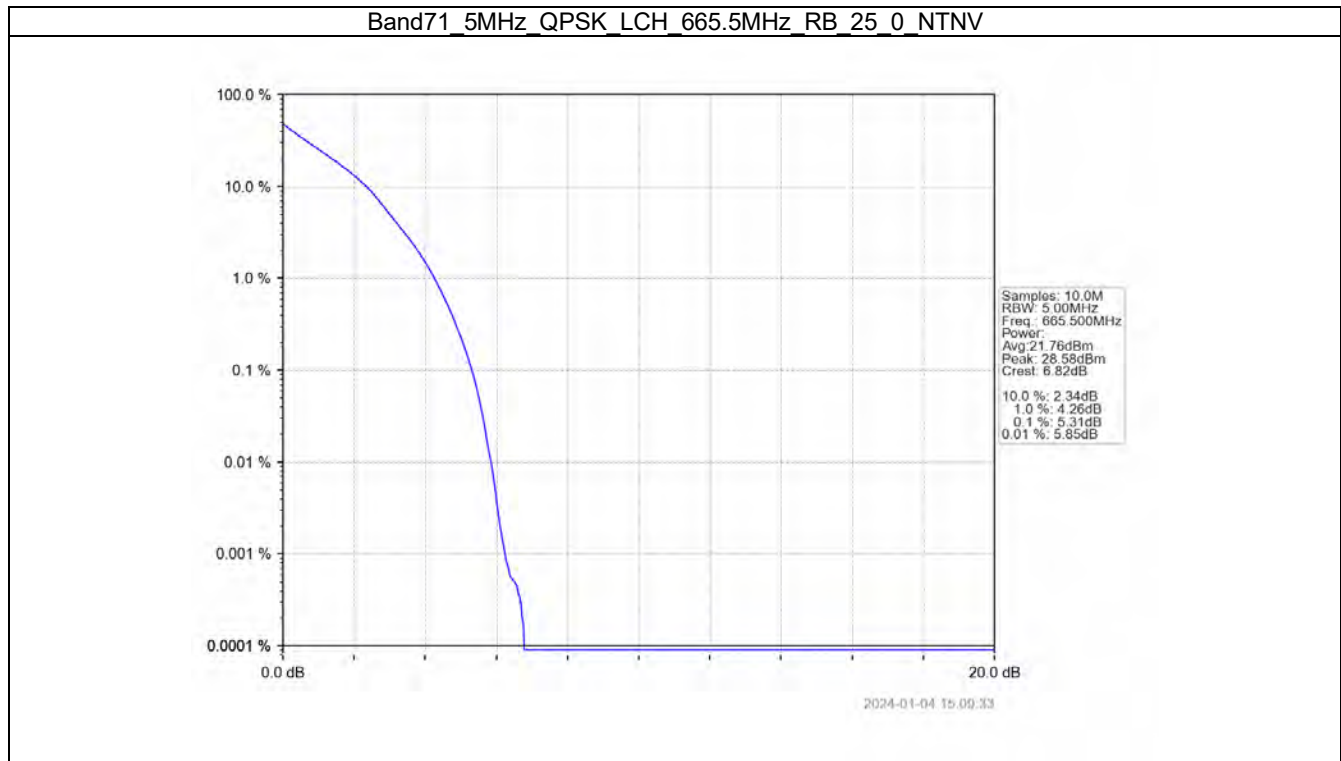
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4.1.2 Test Graph



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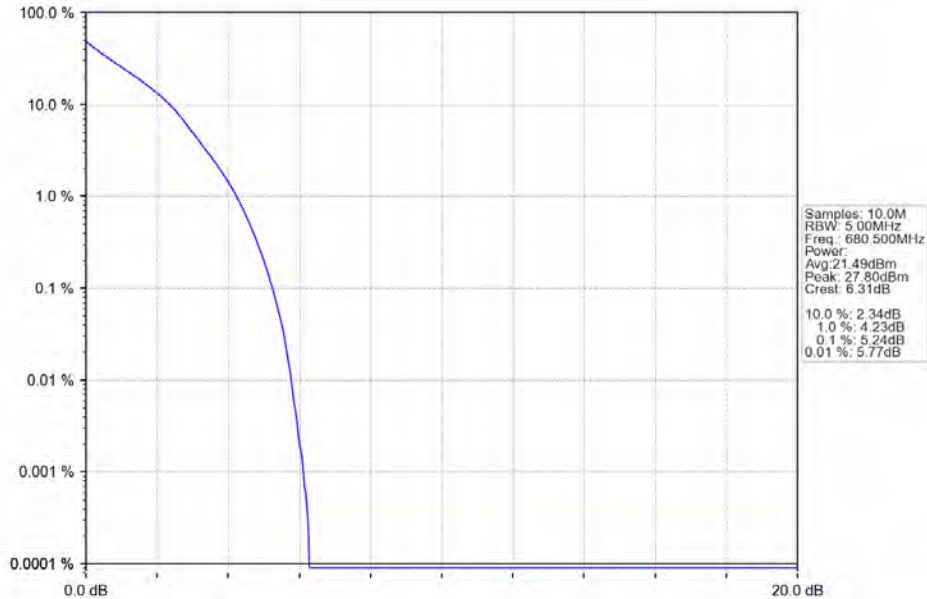


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Band71 5MHz QPSK MCH 680.5MHz RB 25 0 NTV



Samples: 10.0M
 RBW: 5.00MHz
 Freq: 680.500MHz
 Power:
 Avg: 21.49dBm
 Peak: 27.80dBm
 Crest: 6.31dB

10.0 %: 2.34dB
 1.0 %: 4.23dB
 0.1 %: 5.24dB
 0.01 %: 5.77dB

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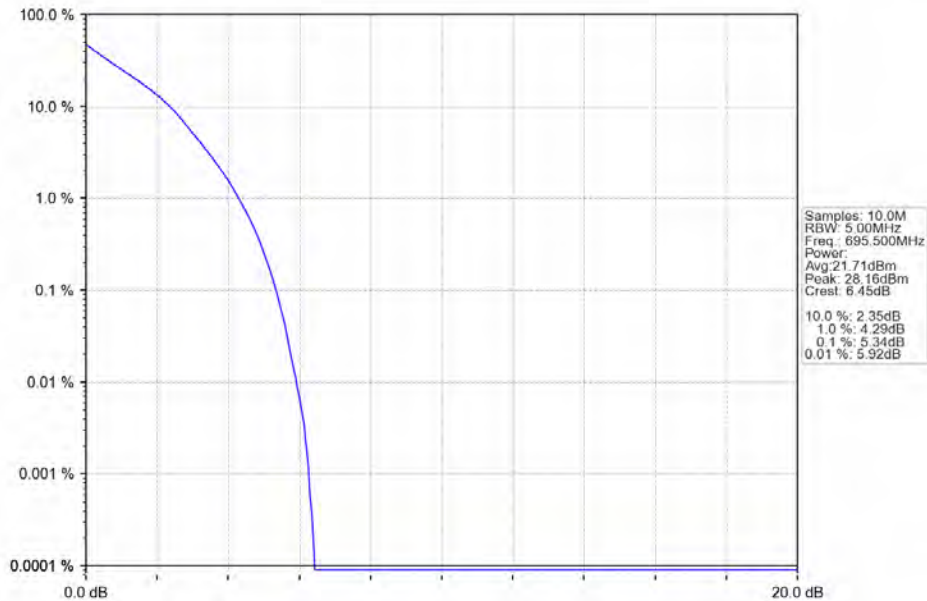
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Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



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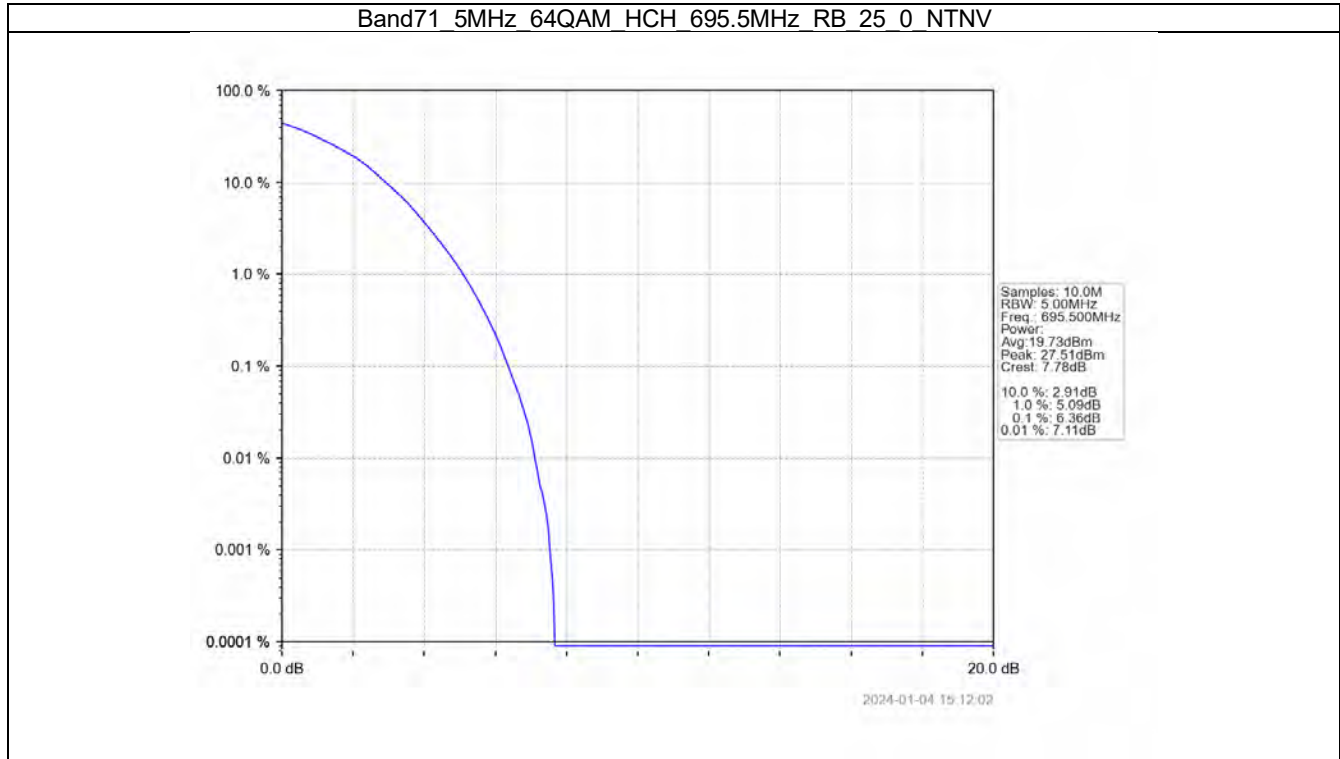
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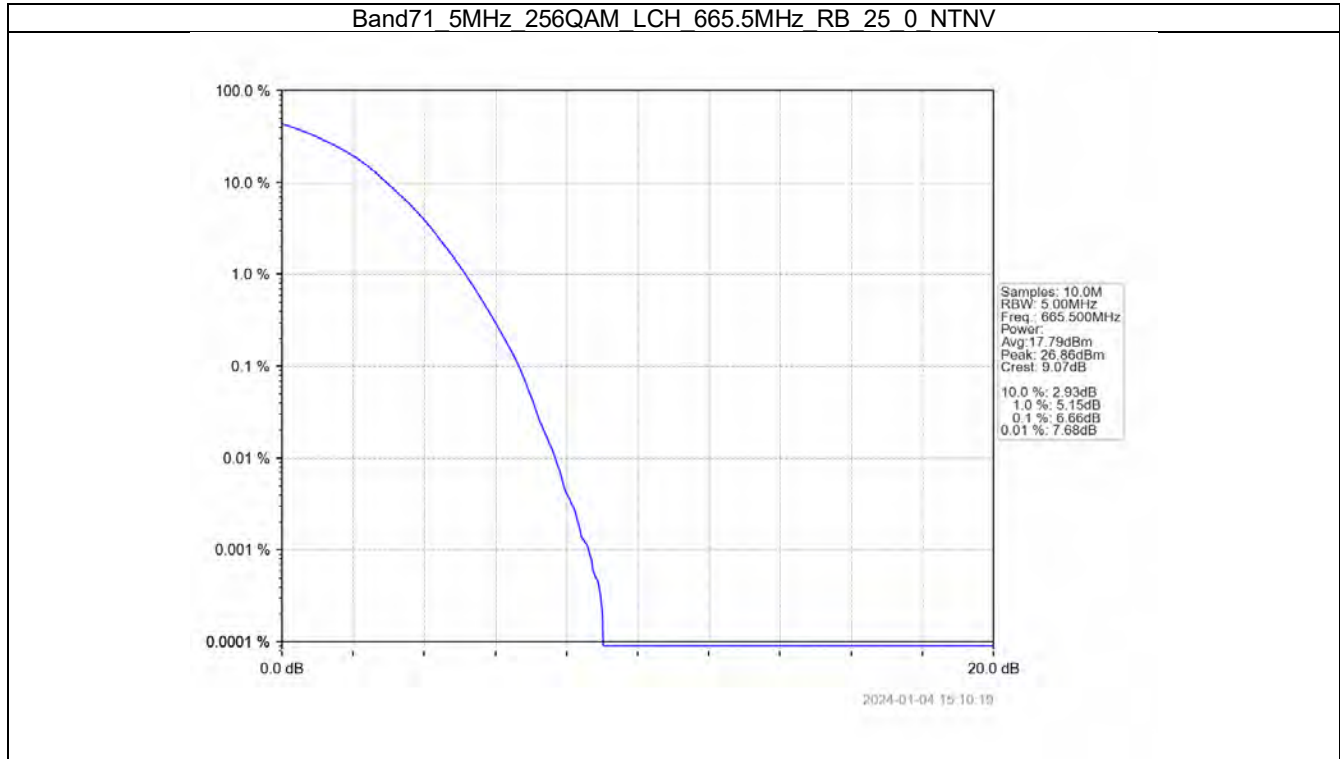
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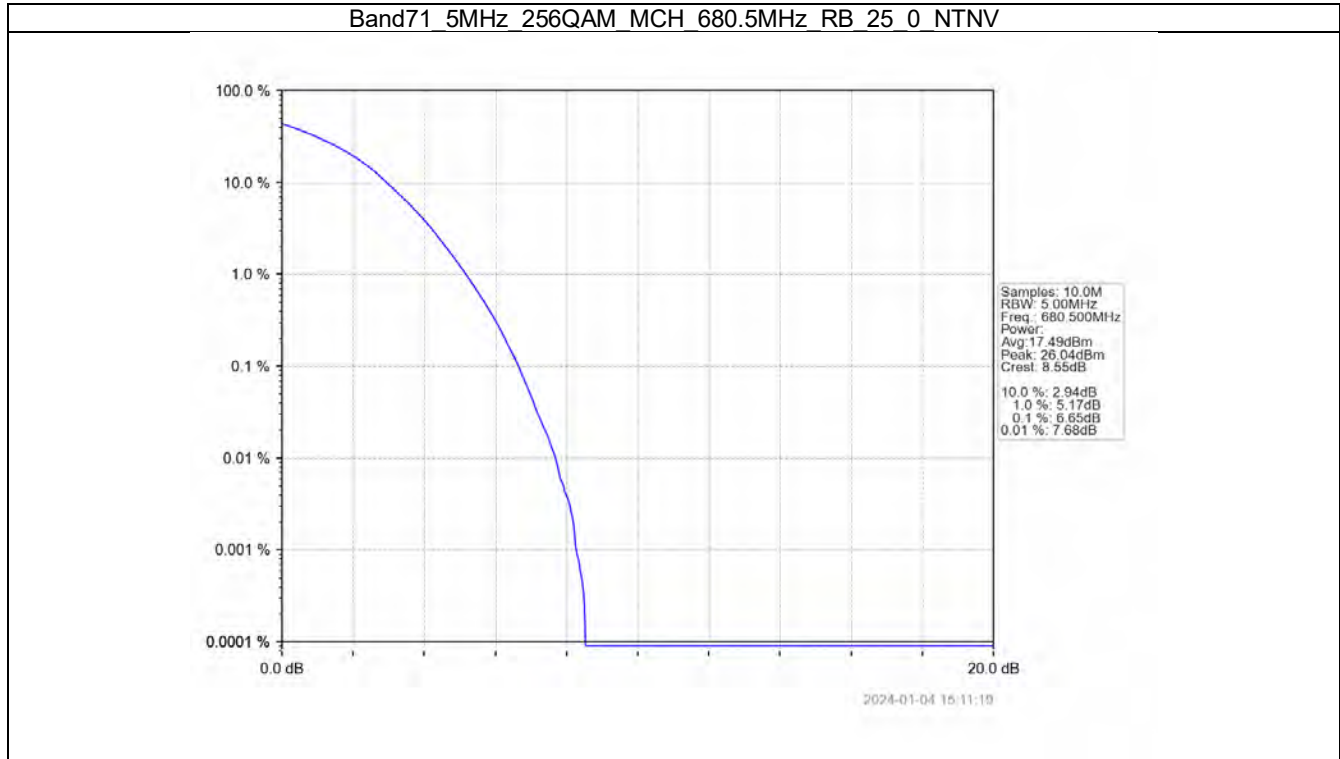
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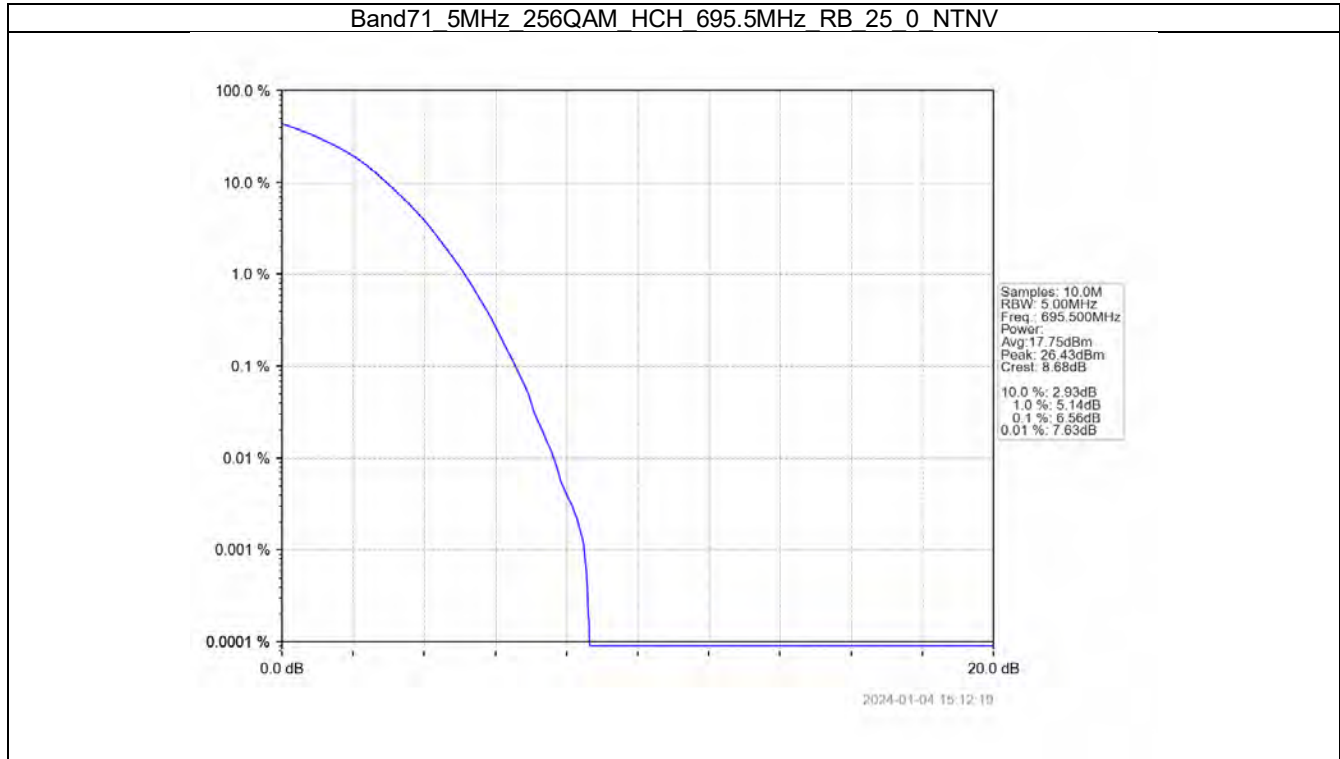
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4.2 B71_10MHz

4.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.38	<=13	Pass
	680.5	50	0	5.32	<=13	Pass
	693	50	0	5.32	<=13	Pass
16QAM	668	50	0	6.07	<=13	Pass
	680.5	50	0	6.07	<=13	Pass
	693	50	0	6.12	<=13	Pass
64QAM	668	50	0	6.39	<=13	Pass
	680.5	50	0	6.39	<=13	Pass
	693	50	0	6.40	<=13	Pass
256QAM	668	50	0	6.61	<=13	Pass
	680.5	50	0	6.56	<=13	Pass
	693	50	0	6.66	<=13	Pass



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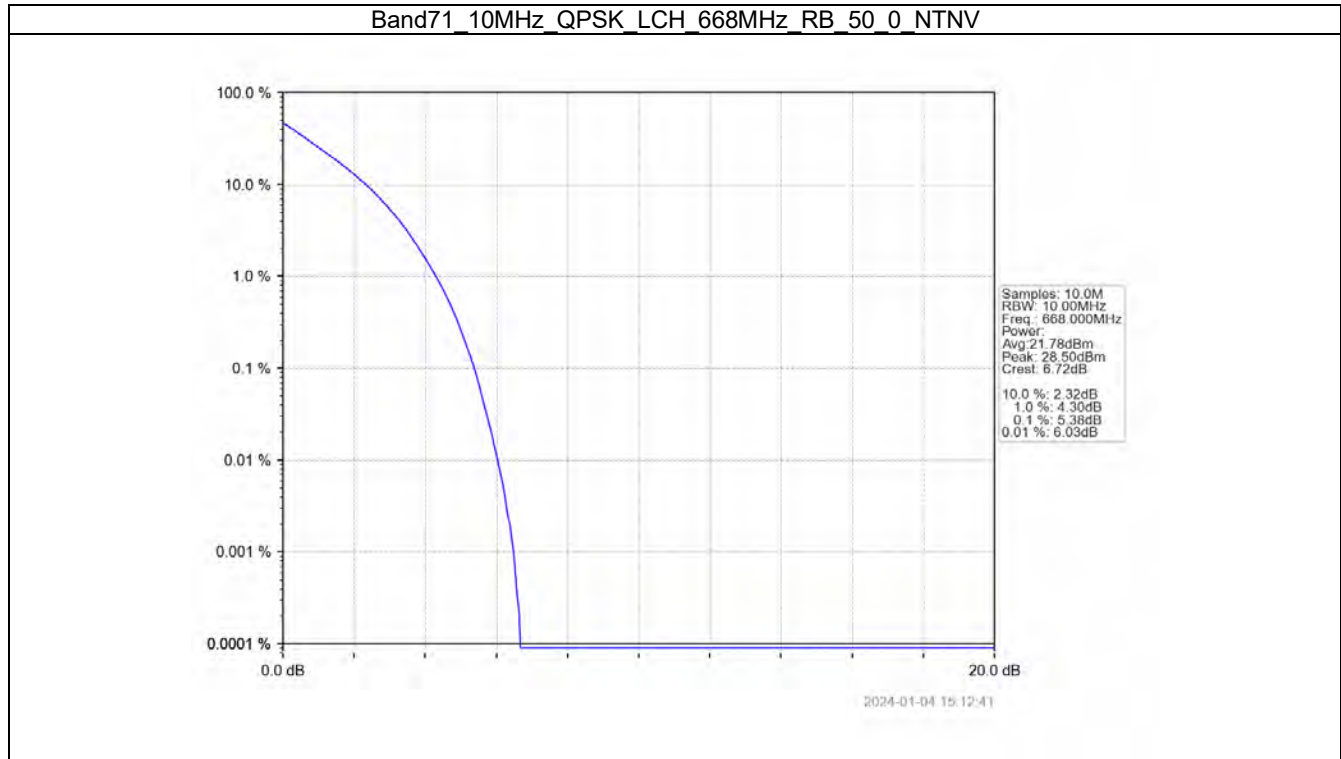
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4.2.2 Test Graph



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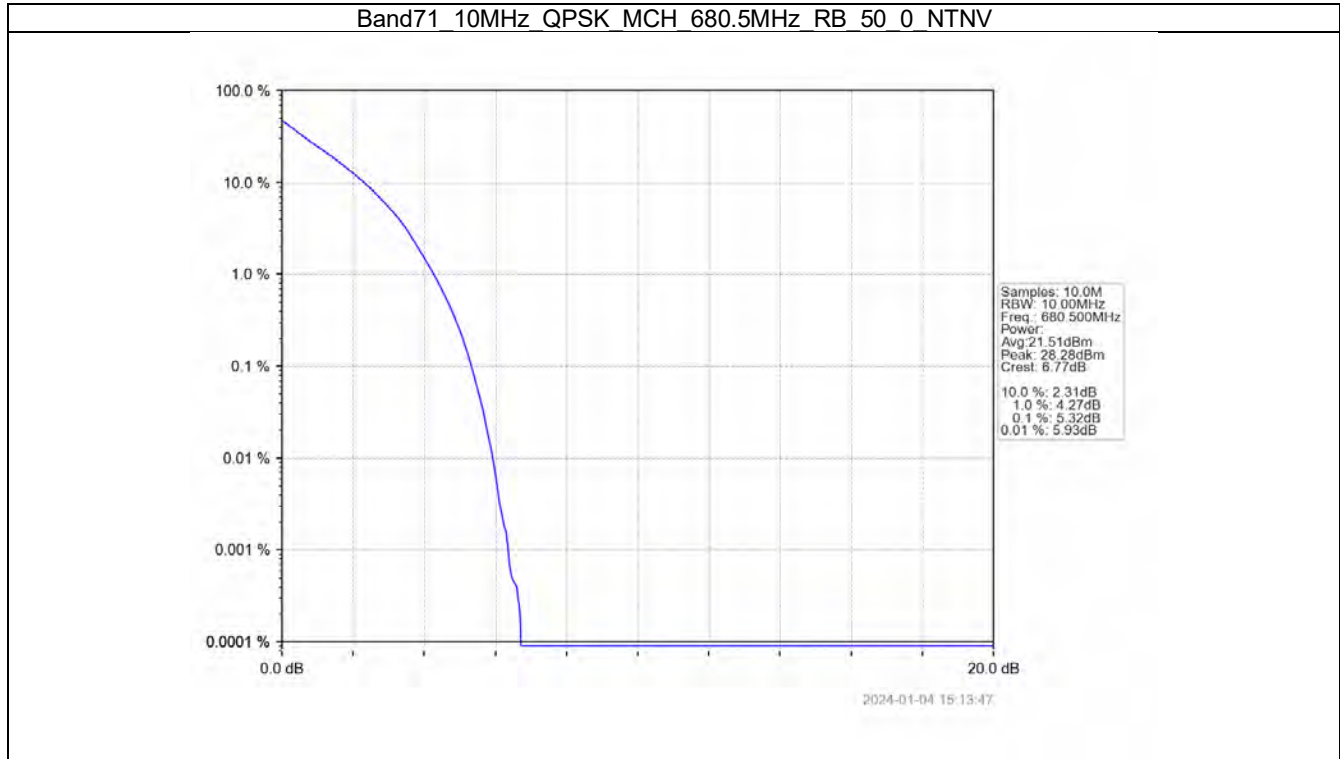
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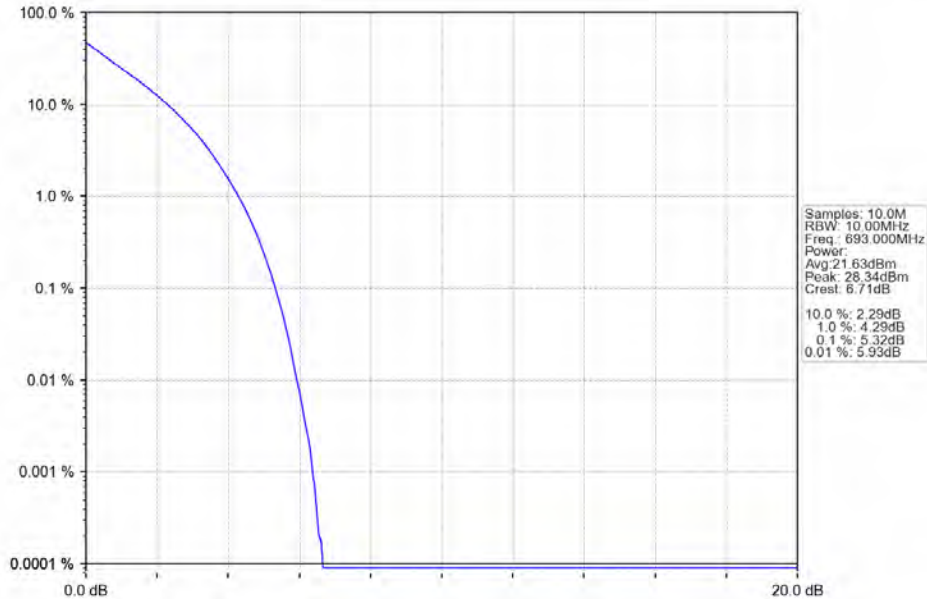
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Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



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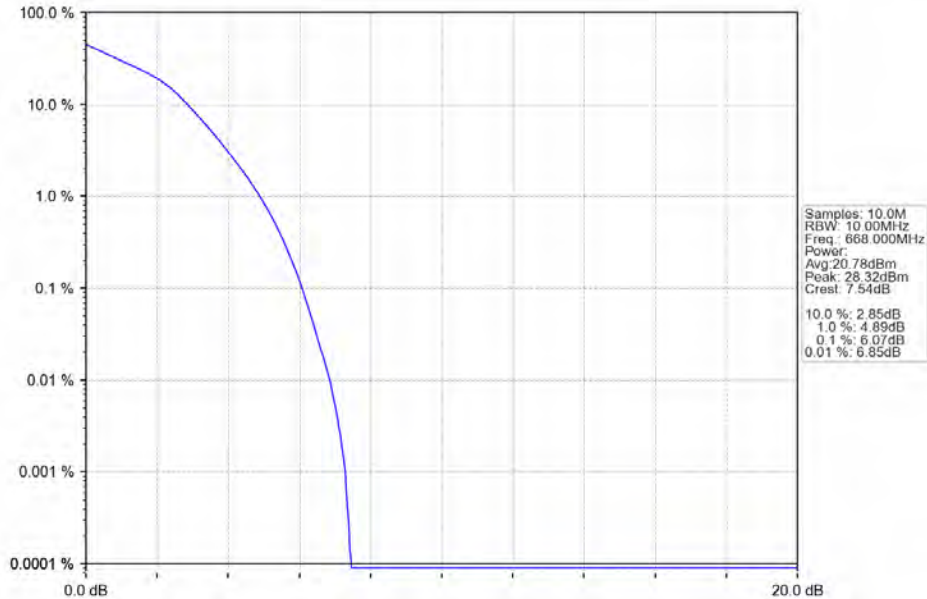
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Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTV



Samples: 10.0M
 RBW: 10.00MHz
 Freq: 668.000MHz
 Power:
 Avg: 20.78dBm
 Peak: 28.32dBm
 Crest: 7.54dB
 10.0 %: 2.85dB
 1.0 %: 4.89dB
 0.1 %: 6.07dB
 0.01 %: 6.85dB

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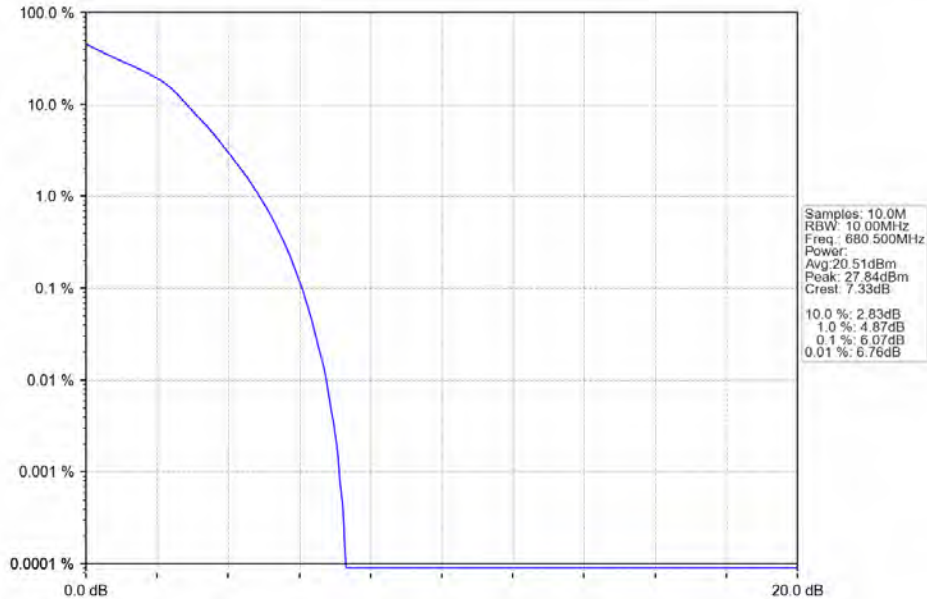


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Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



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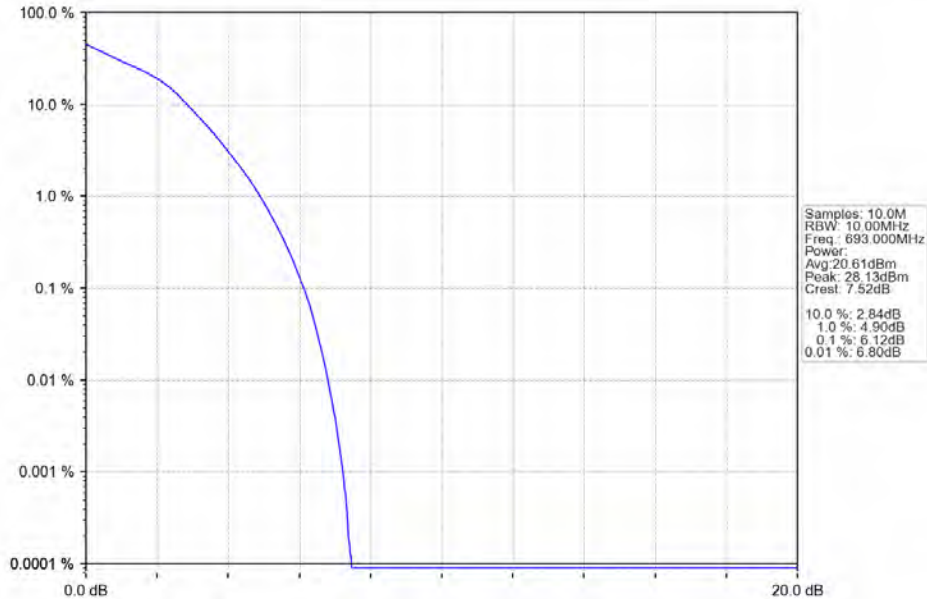


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Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTNV



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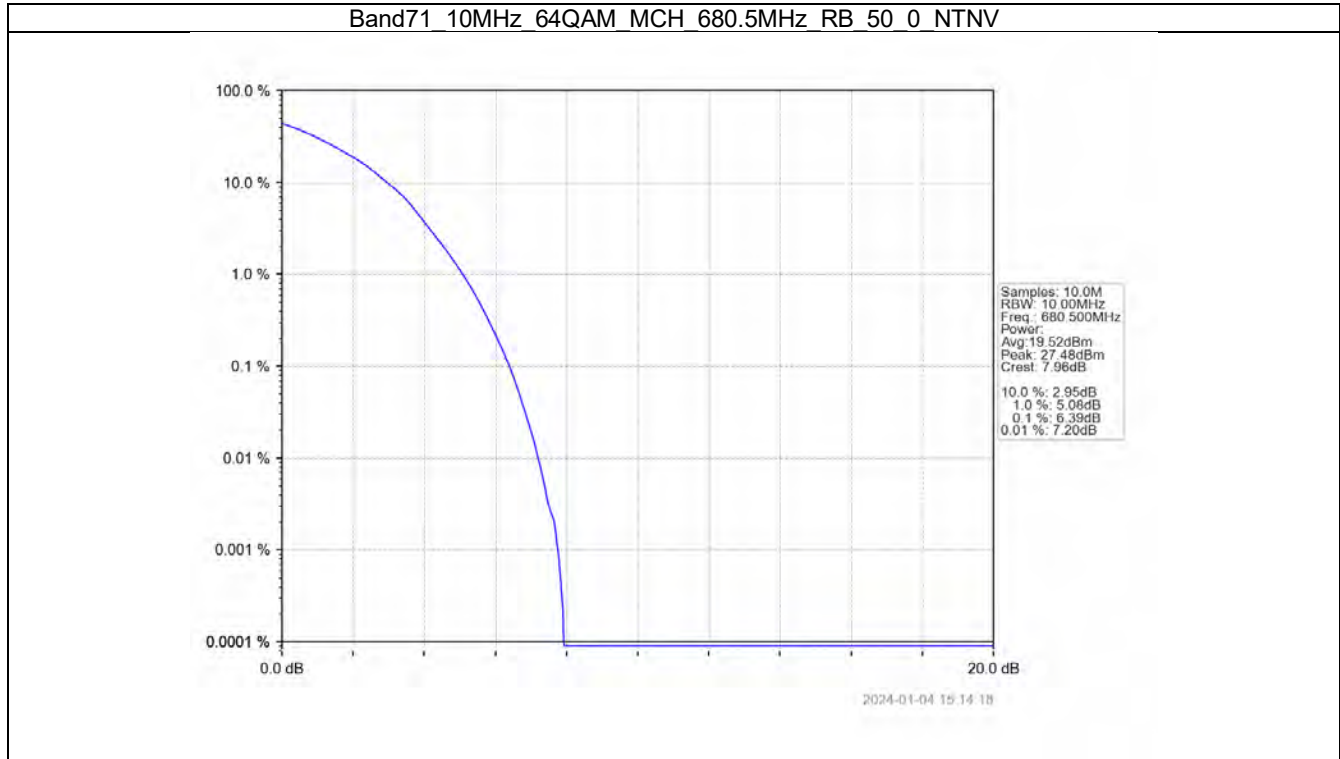
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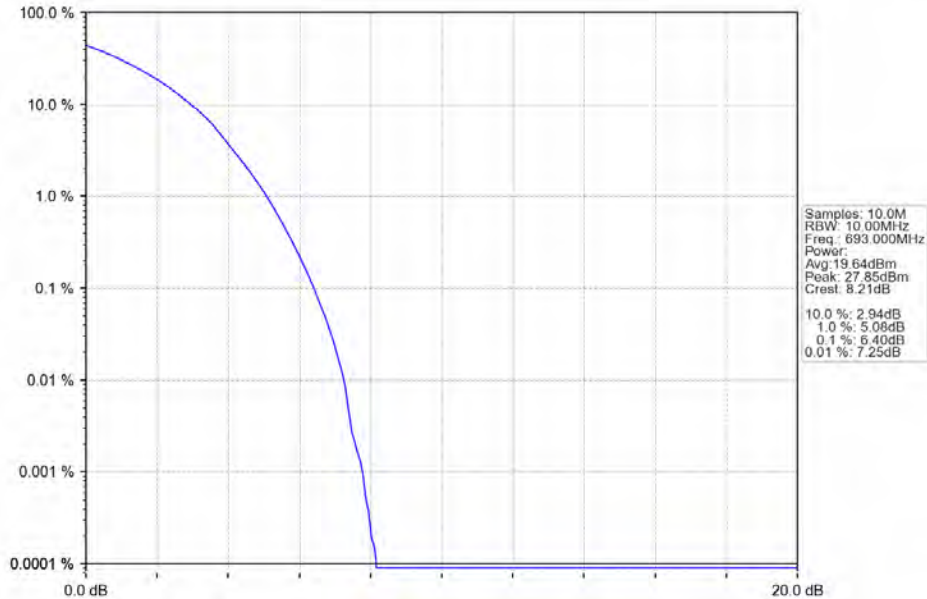


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Band71 10MHz 64QAM HCH 693MHz RB 50 0 NTNV



Samples: 10.0M
 RBW: 10.00MHz
 Freq.: 693.000MHz
 Power:
 Avg: 19.64dBm
 Peak: 27.85dBm
 Crest: 8.21dB
 10.0 %: 2.94dB
 1.0 %: 5.08dB
 0.1 %: 6.40dB
 0.01 %: 7.25dB

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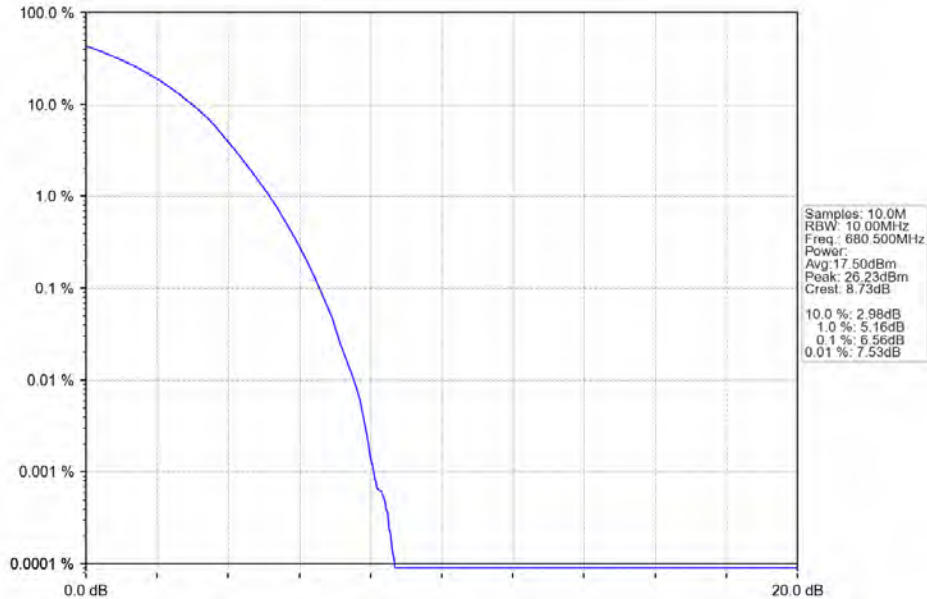
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Band71 10MHz 256QAM MCH 680.5MHz RB 50 0 NTN



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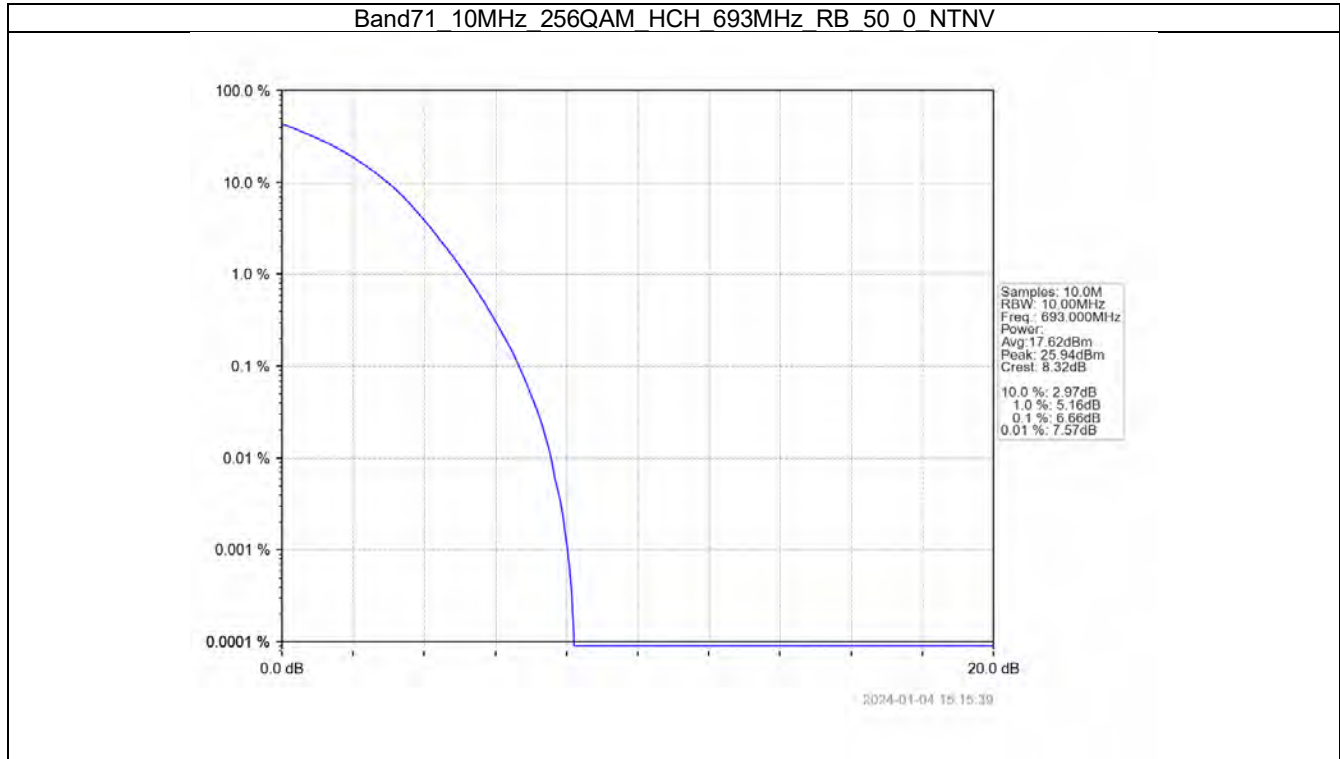
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4.3 B71_15MHz

4.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.64	<=13	Pass
	680.5	75	0	5.50	<=13	Pass
	690.5	75	0	5.28	<=13	Pass
16QAM	670.5	75	0	6.18	<=13	Pass
	680.5	75	0	6.11	<=13	Pass
	690.5	75	0	5.92	<=13	Pass
64QAM	670.5	75	0	6.40	<=13	Pass
	680.5	75	0	6.37	<=13	Pass
	690.5	75	0	6.26	<=13	Pass
256QAM	670.5	75	0	6.60	<=13	Pass
	680.5	75	0	6.60	<=13	Pass
	690.5	75	0	6.46	<=13	Pass



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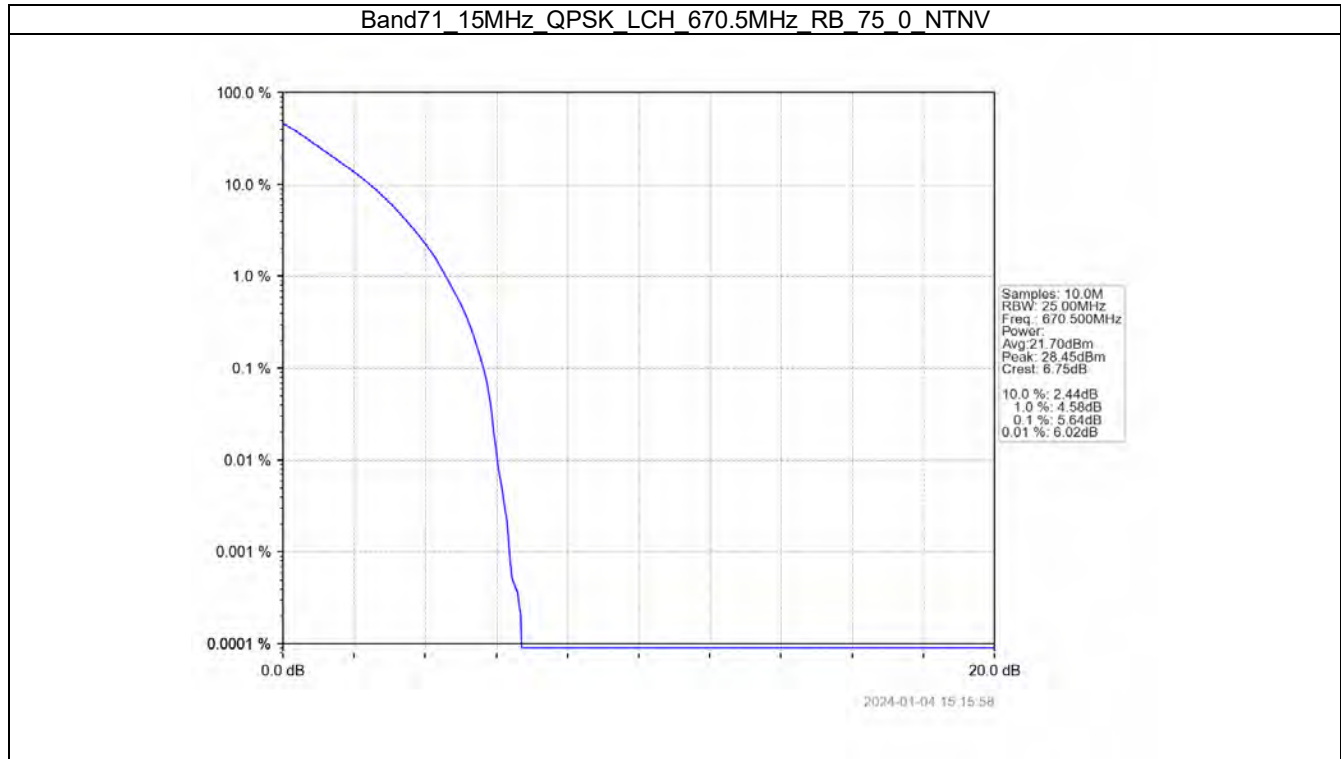
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4.3.2 Test Graph



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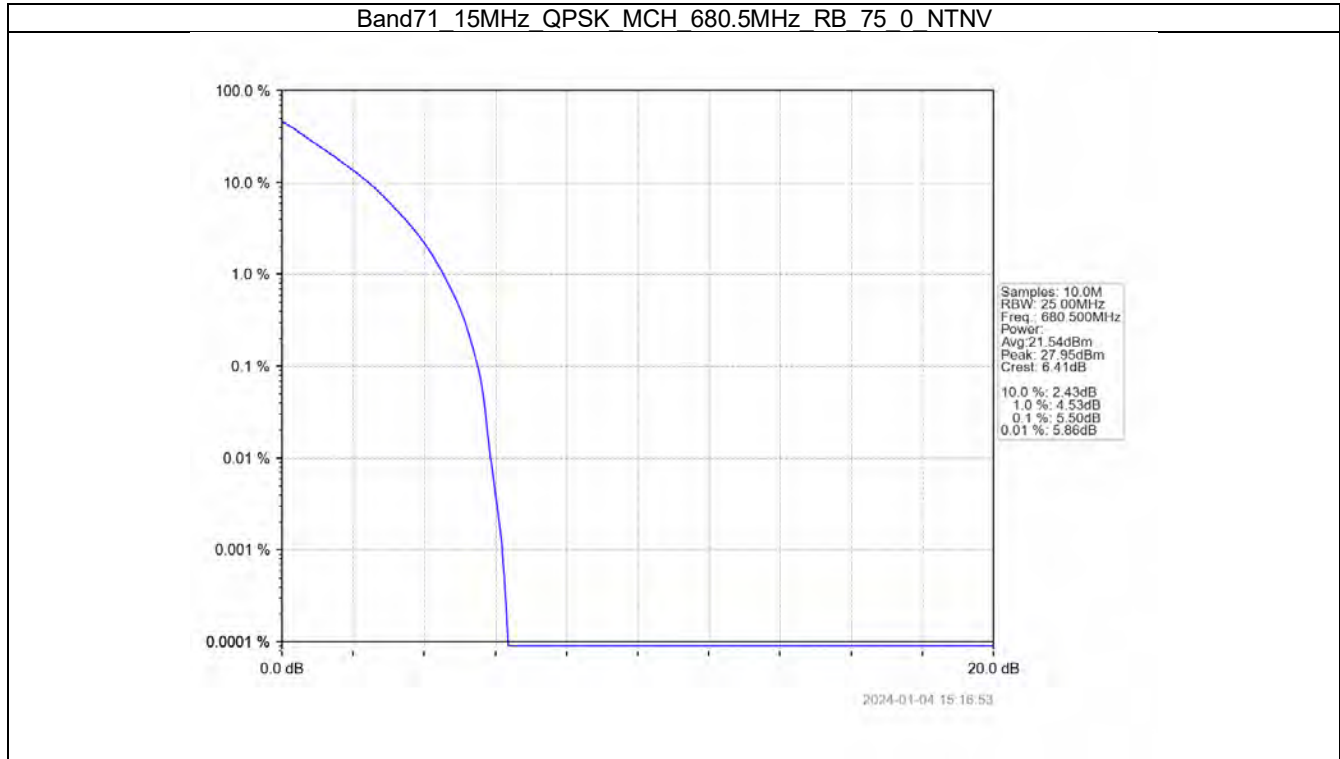
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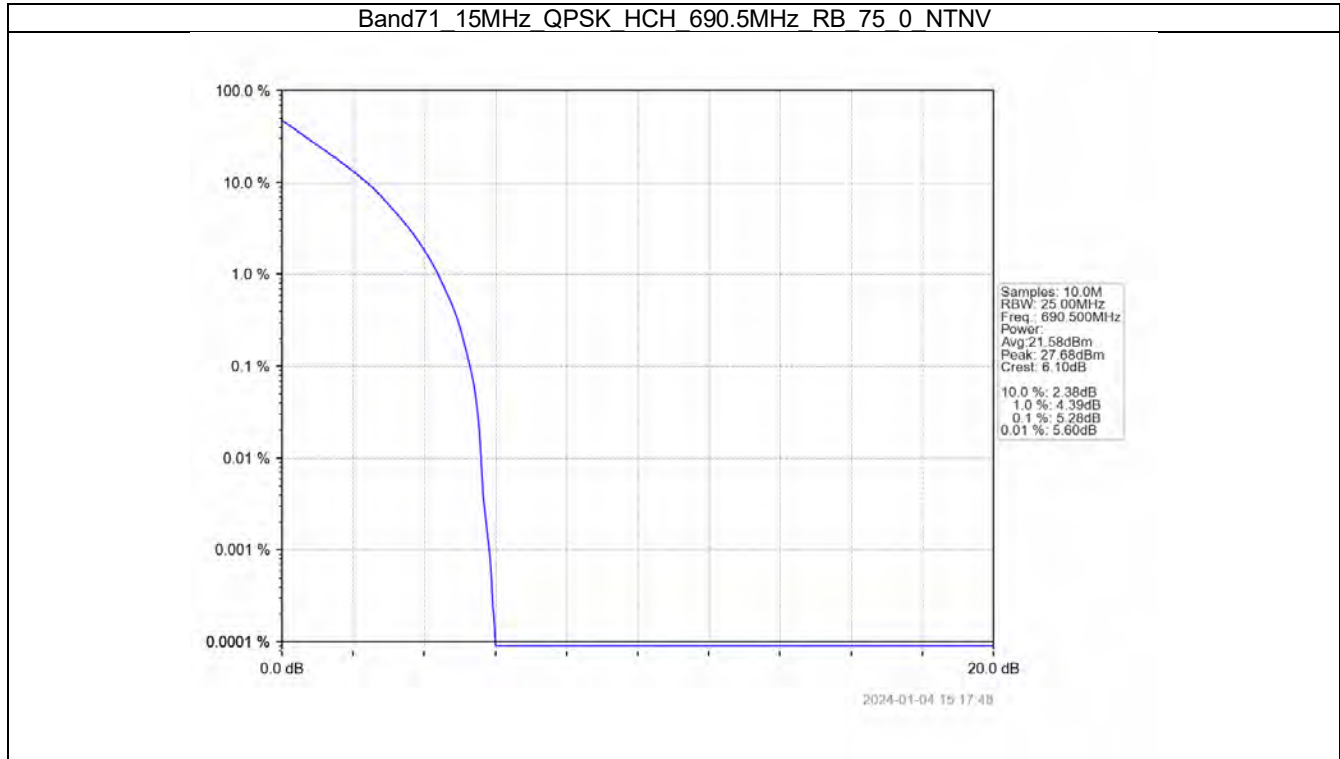
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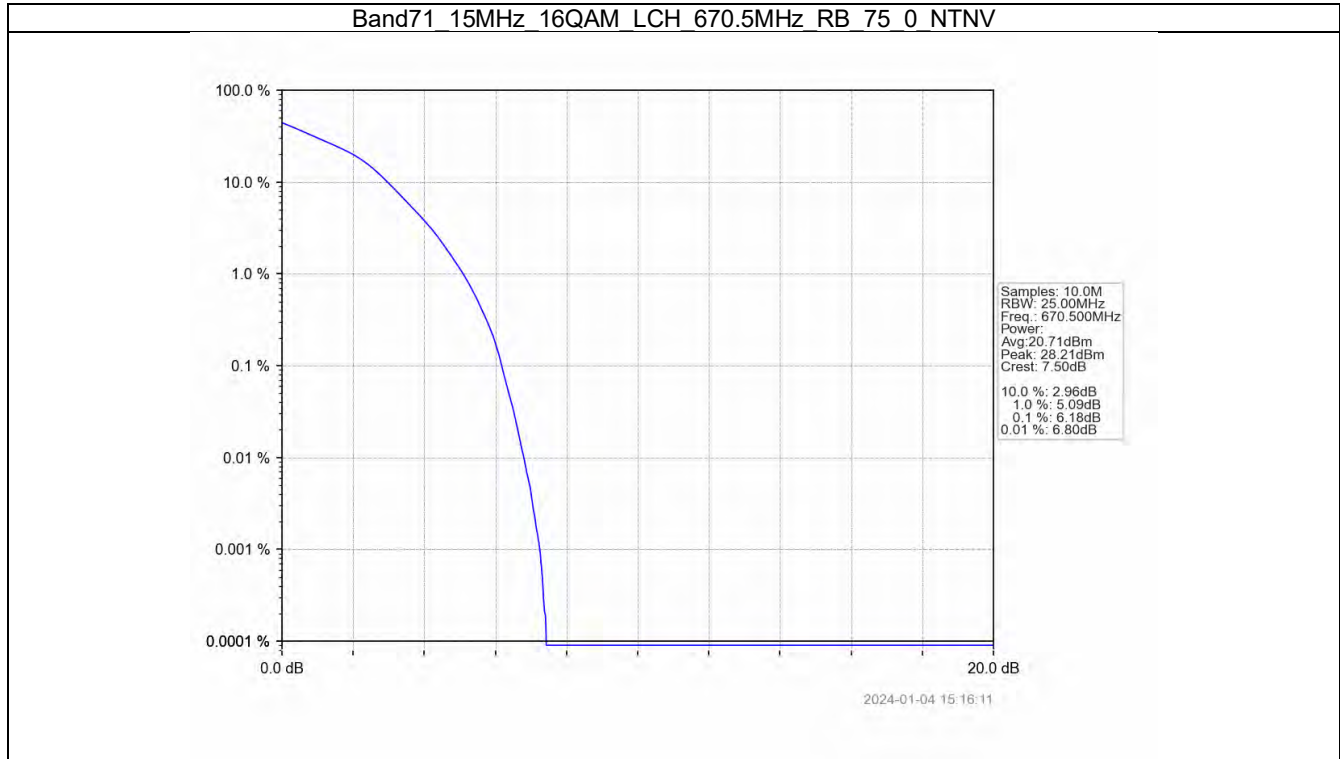
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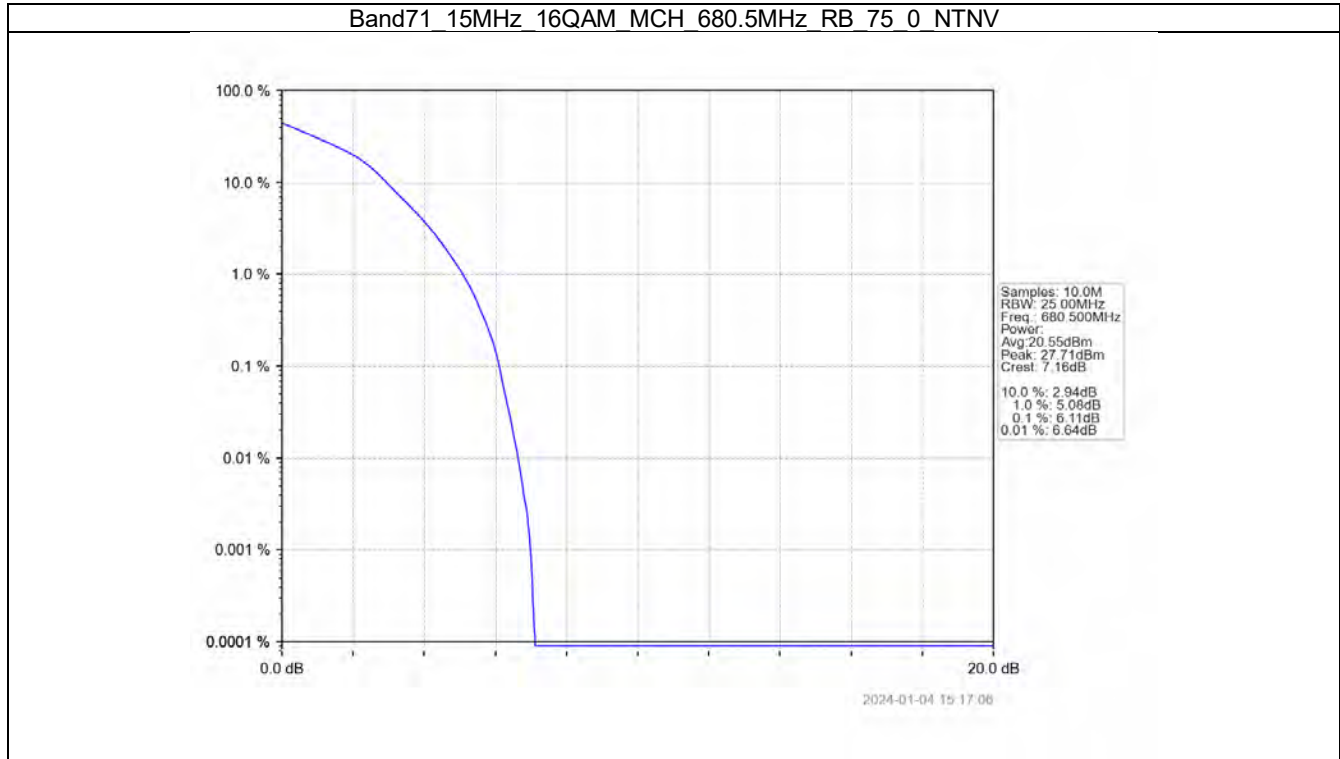
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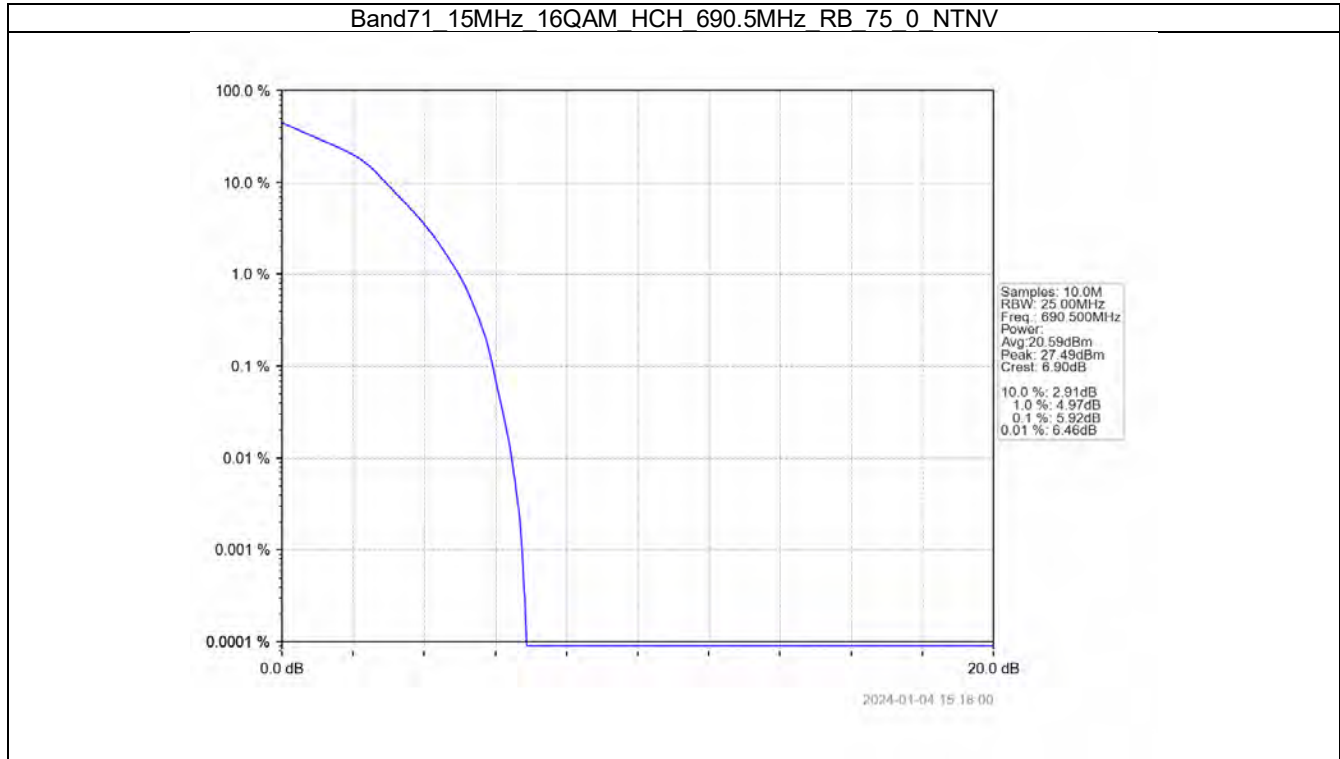
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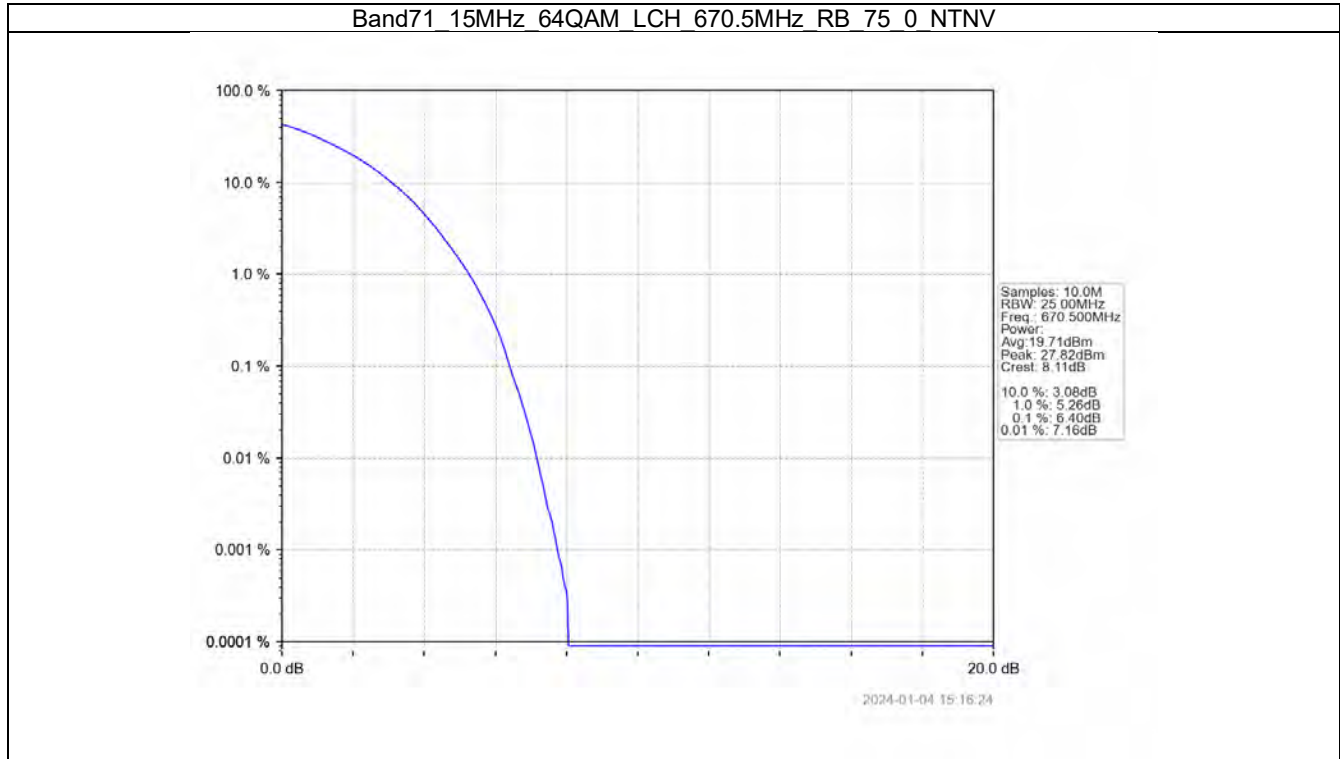
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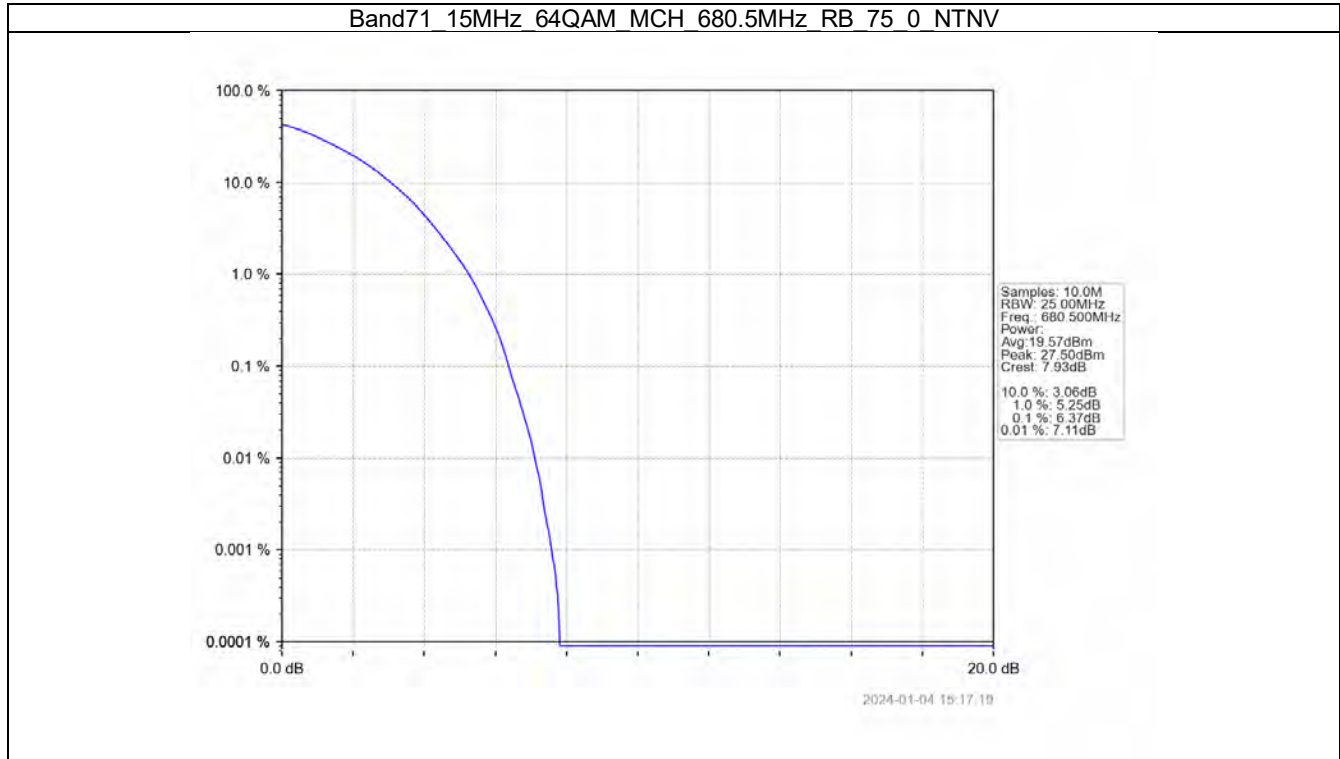
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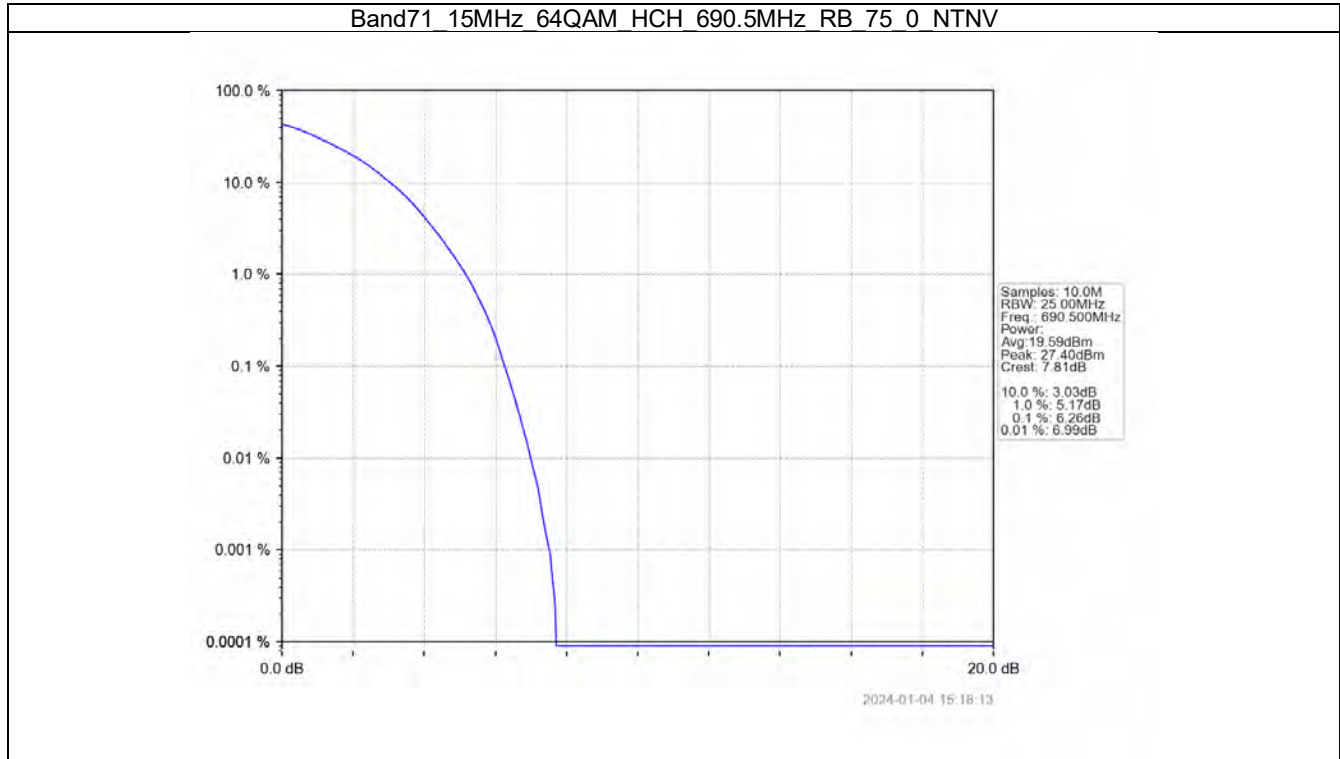
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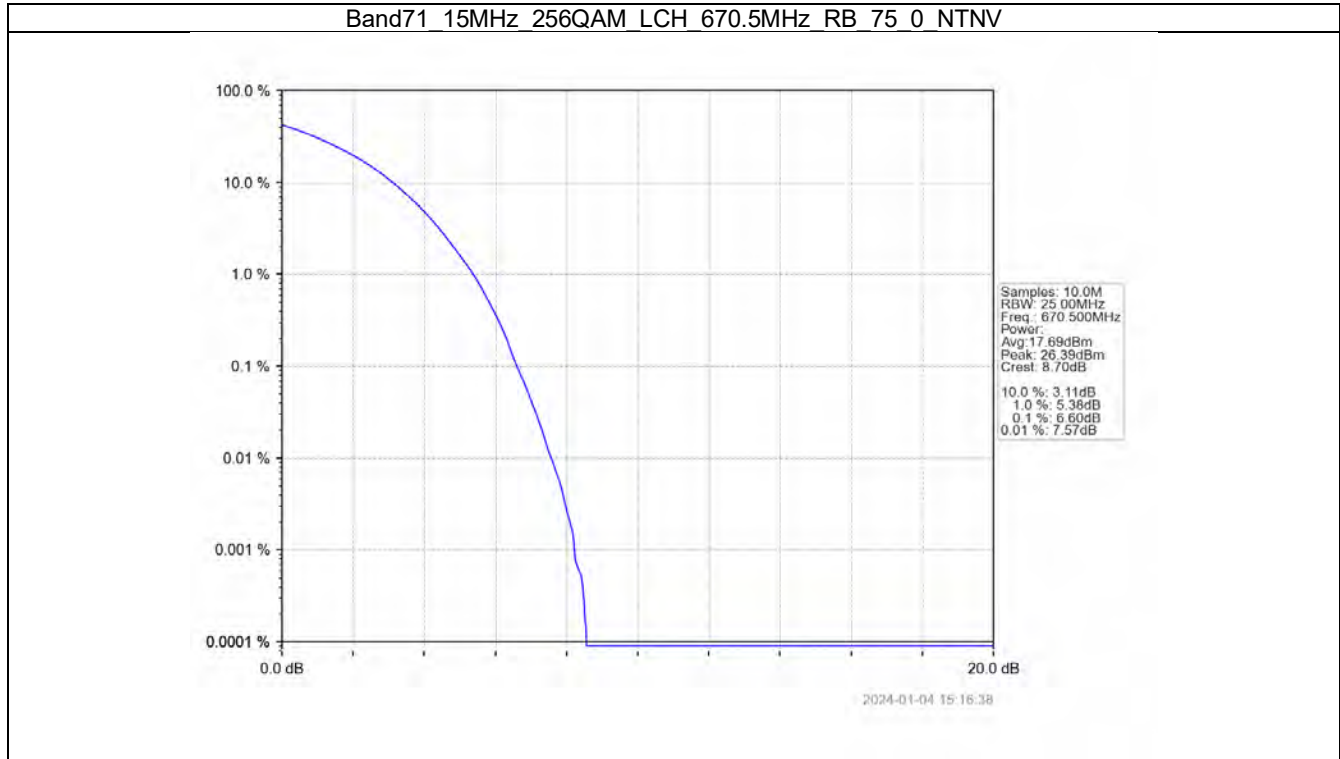
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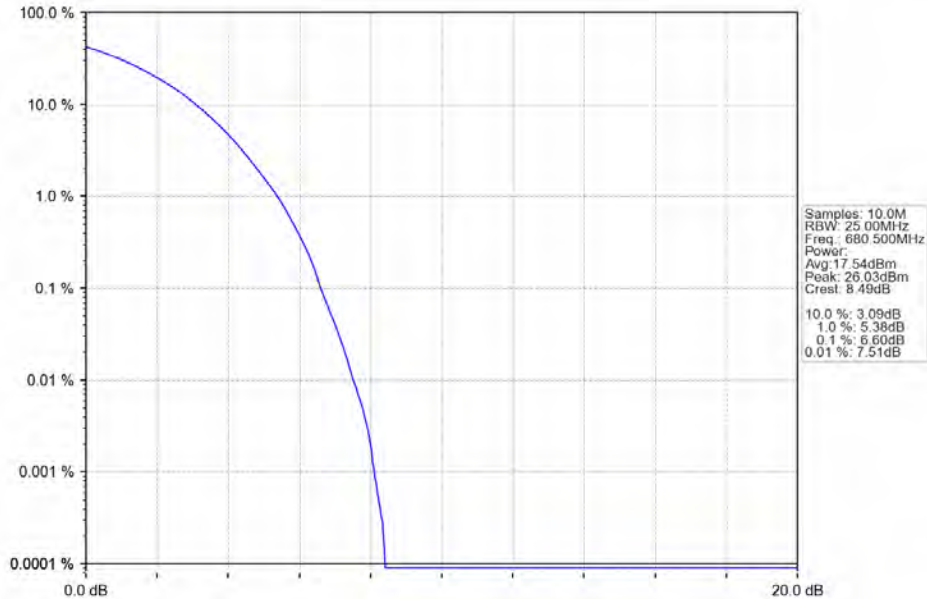
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Band71 15MHz 256QAM MCH 680.5MHz RB 75 0 NTNv



Samples: 10.0M
 RBW: 25.00MHz
 Freq.: 680.500MHz
 Power:
 Avg: 17.54dBm
 Peak: 26.03dBm
 Crest: 8.49dB
 10.0 %: 3.09dB
 1.0 %: 5.38dB
 0.1 %: 6.60dB
 0.01 %: 7.51dB

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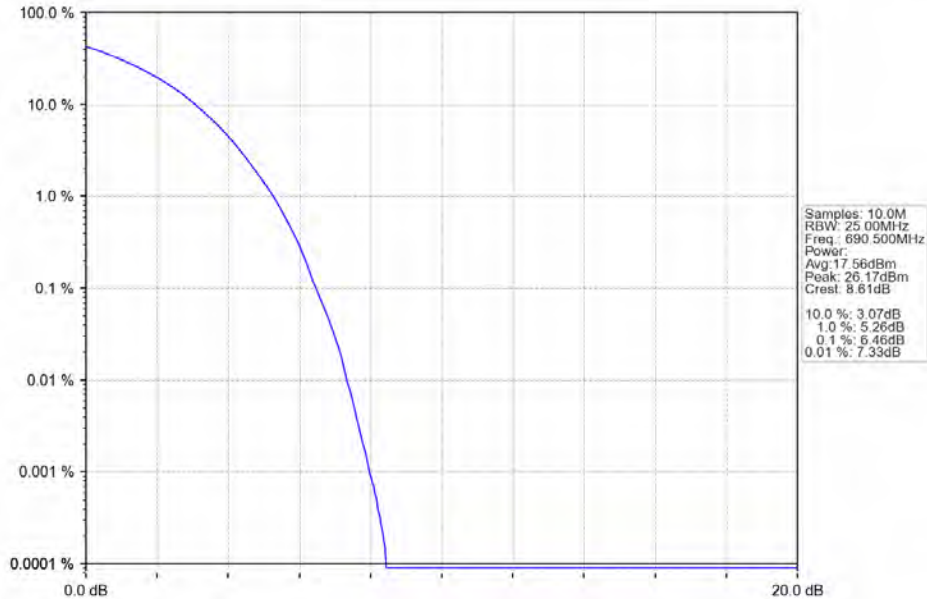


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Band71 15MHz 256QAM HCH 690.5MHz RB 75 0 NTN



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4.4 B71_20MHz

4.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.29	<=13	Pass
	683	100	0	5.44	<=13	Pass
	688	100	0	5.21	<=13	Pass
16QAM	673	100	0	6.05	<=13	Pass
	683	100	0	6.15	<=13	Pass
	688	100	0	5.97	<=13	Pass
64QAM	673	100	0	6.38	<=13	Pass
	683	100	0	6.42	<=13	Pass
	688	100	0	6.28	<=13	Pass
256QAM	673	100	0	6.59	<=13	Pass
	683	100	0	6.61	<=13	Pass
	688	100	0	6.45	<=13	Pass



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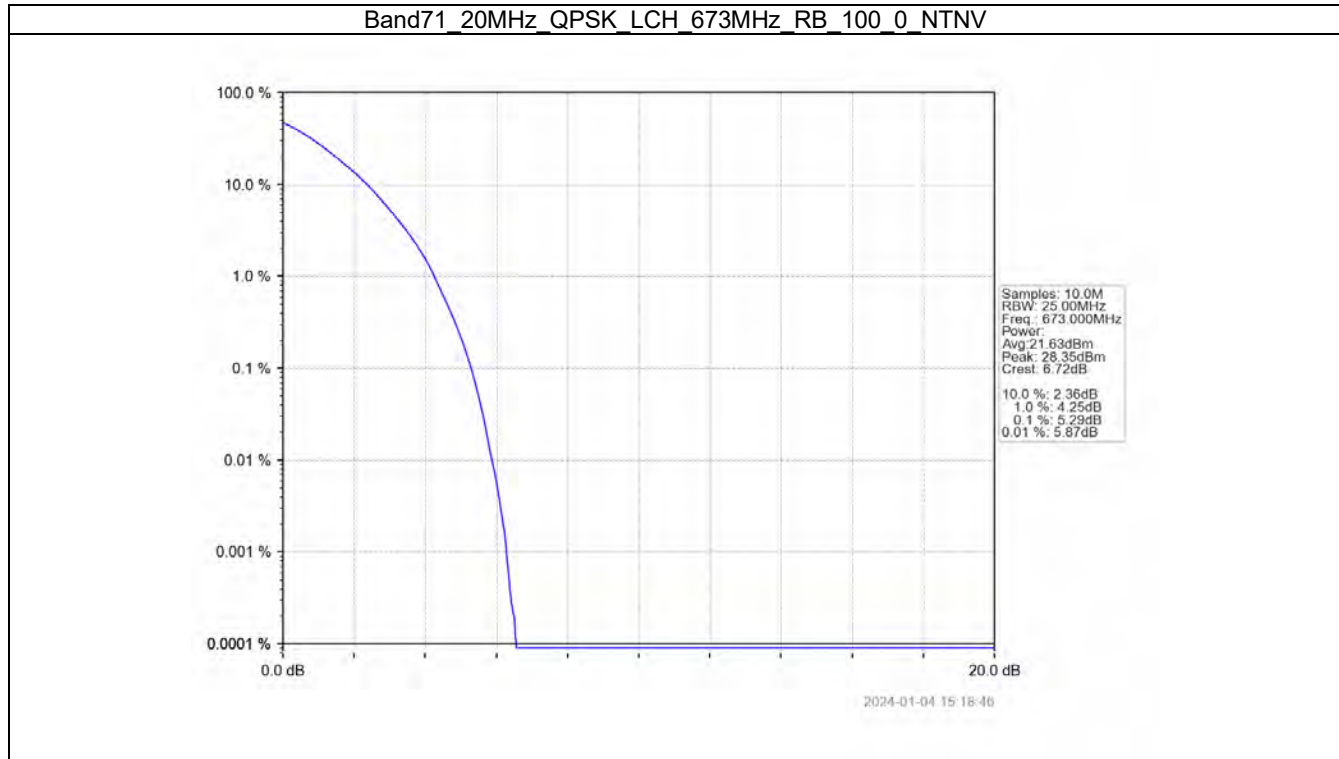
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4.4.2 Test Graph



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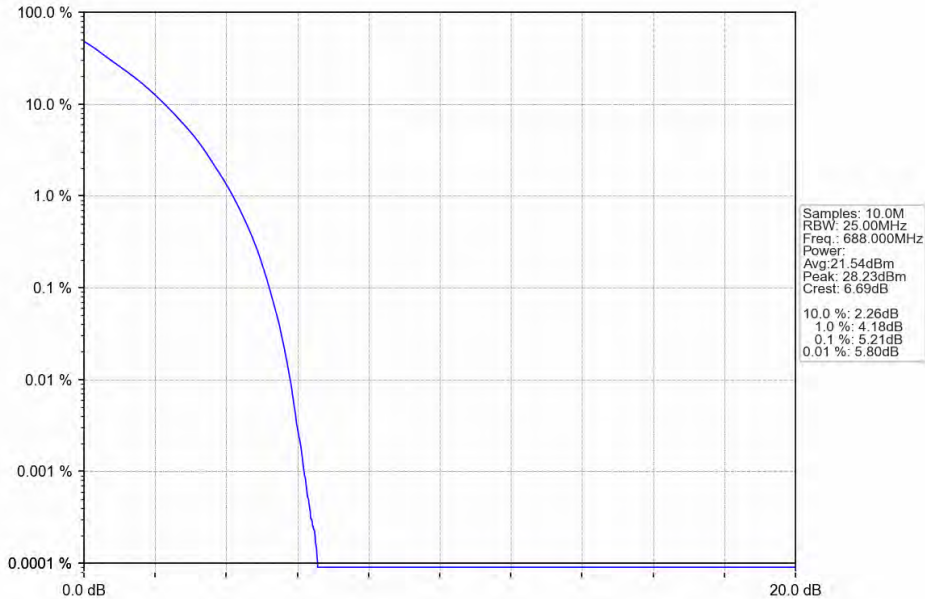


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Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



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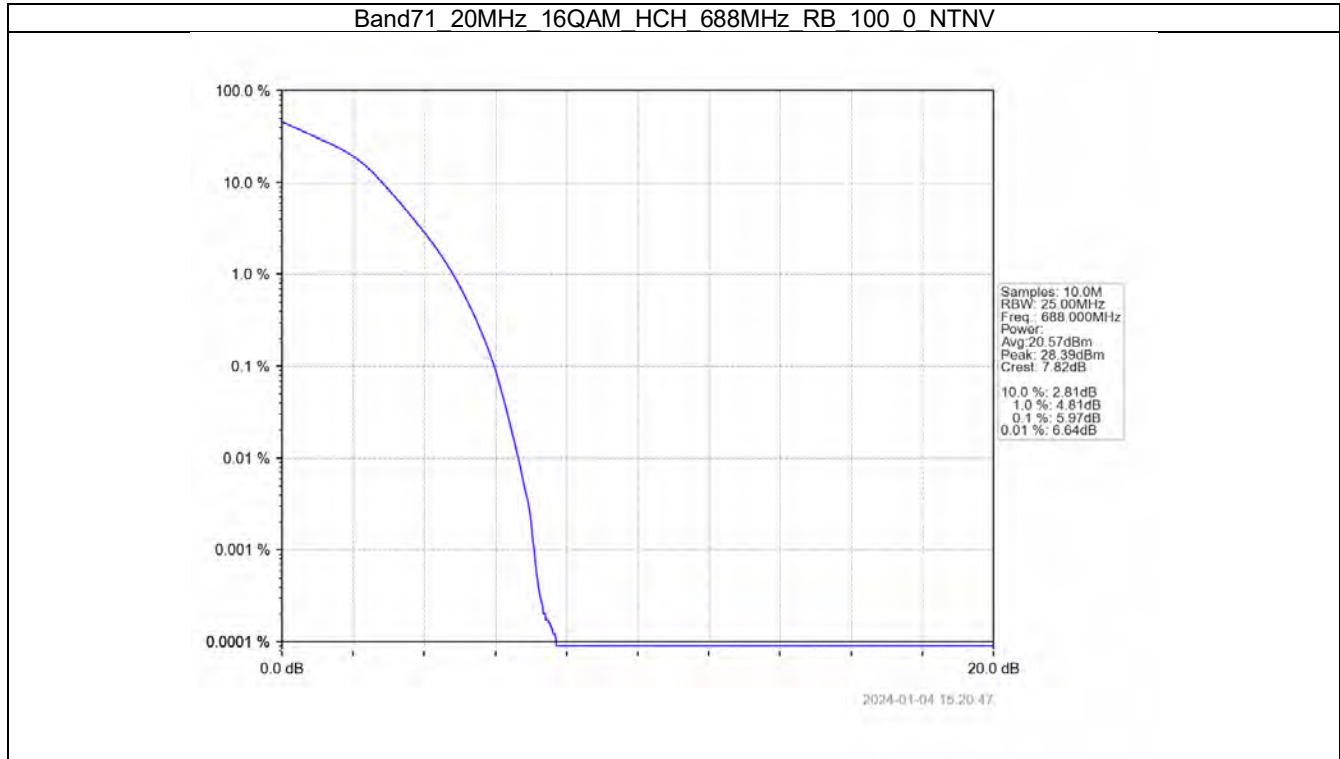
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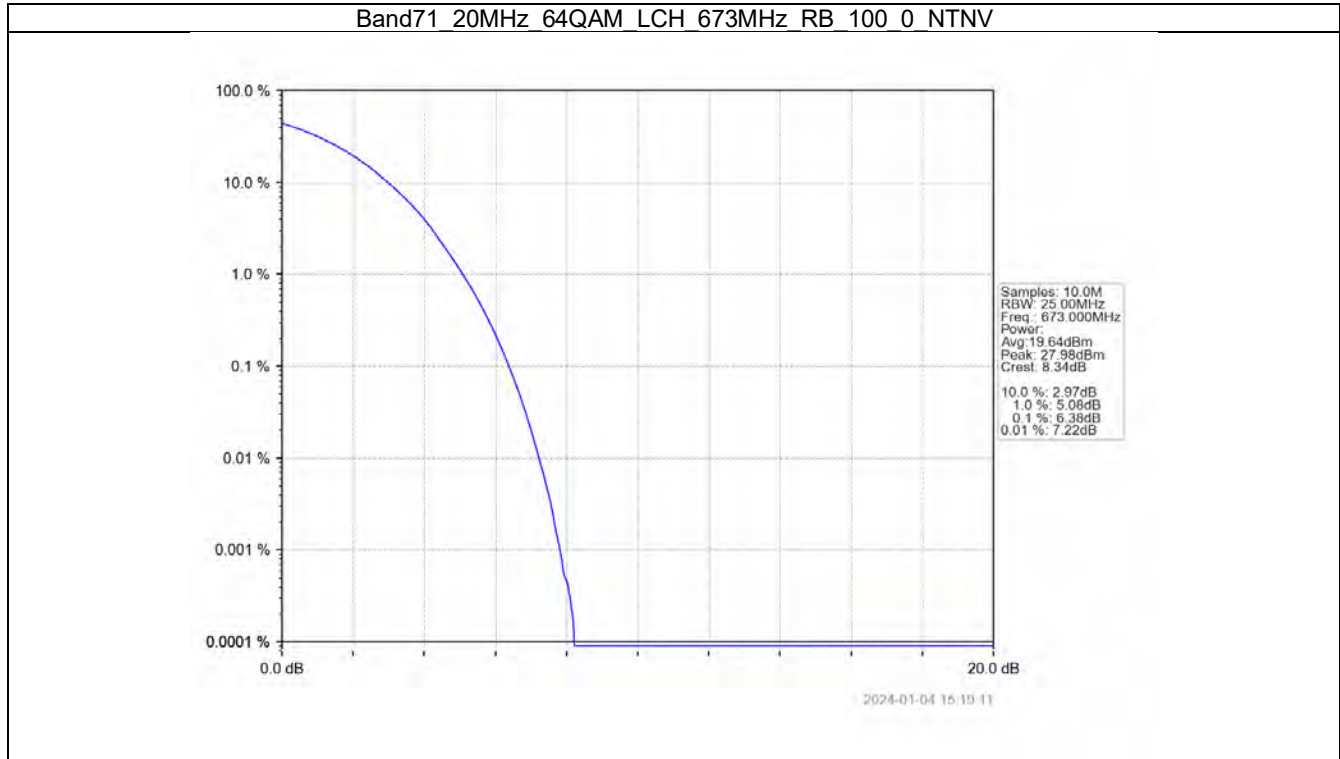
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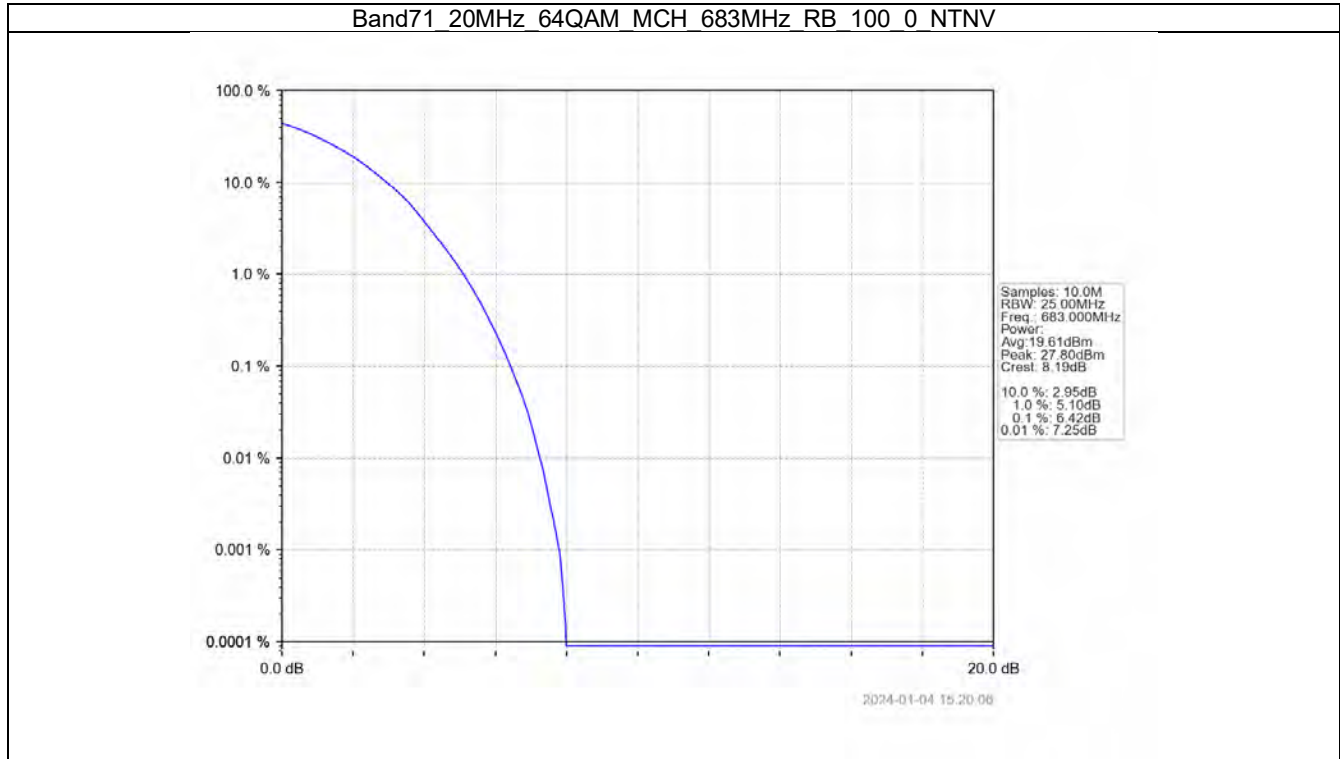
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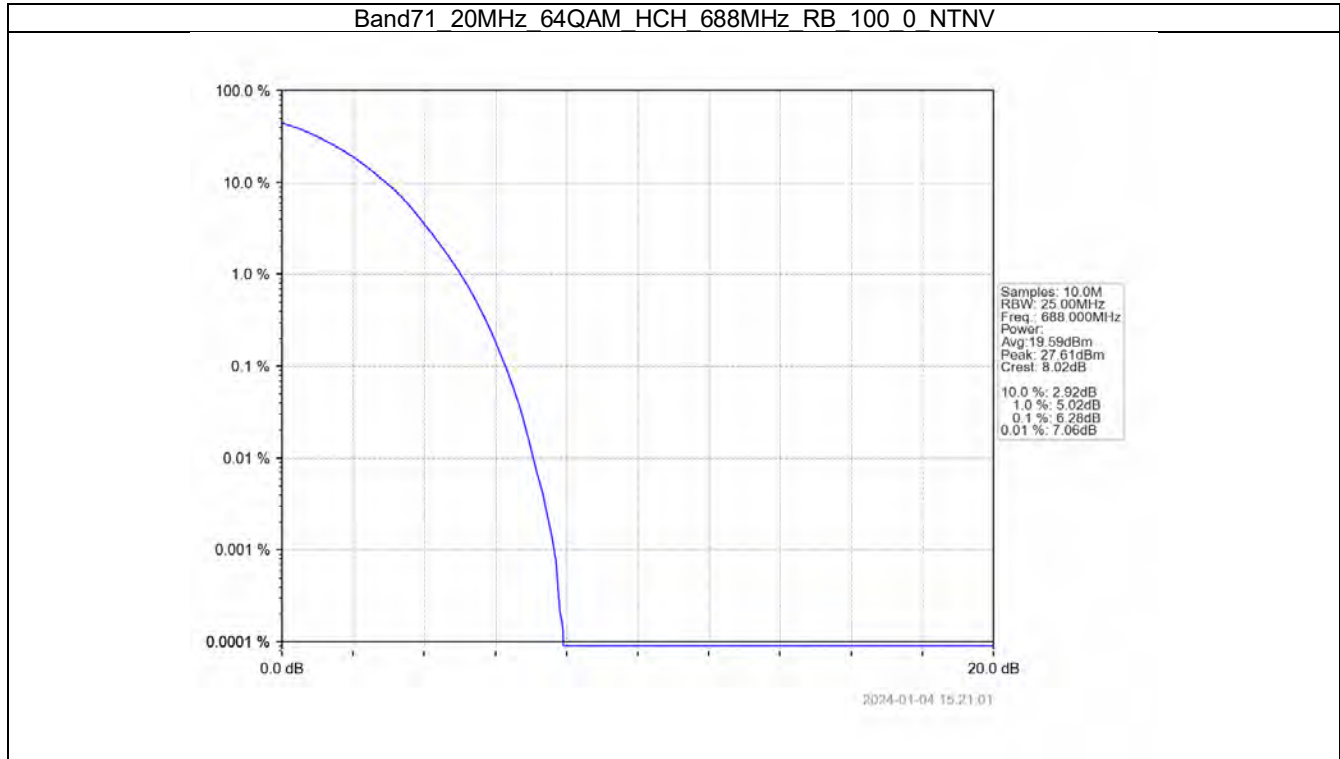
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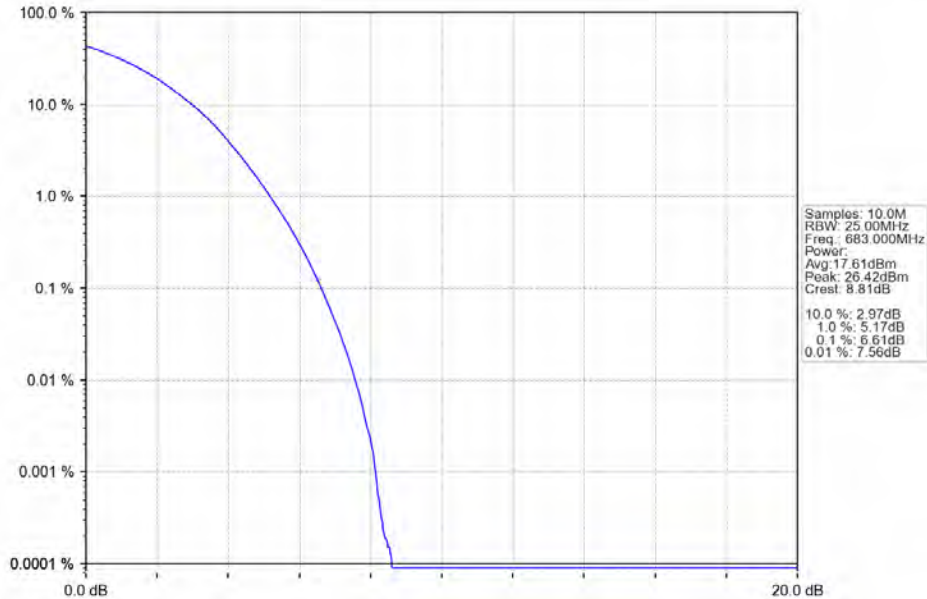


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Band71 20MHz 256QAM MCH 683MHz RB 100 0 NTN



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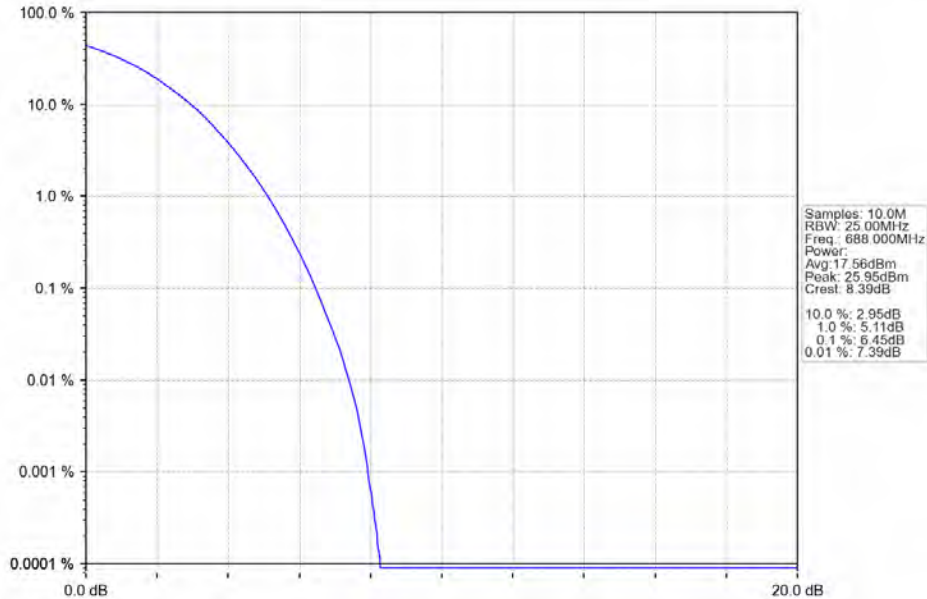


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Band71 20MHz 256QAM HCH 688MHz RB 100 0 NTN



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5. Spurious Emission & Band Edges

5.1 B71_5MHz

5.1.1 Test Result

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



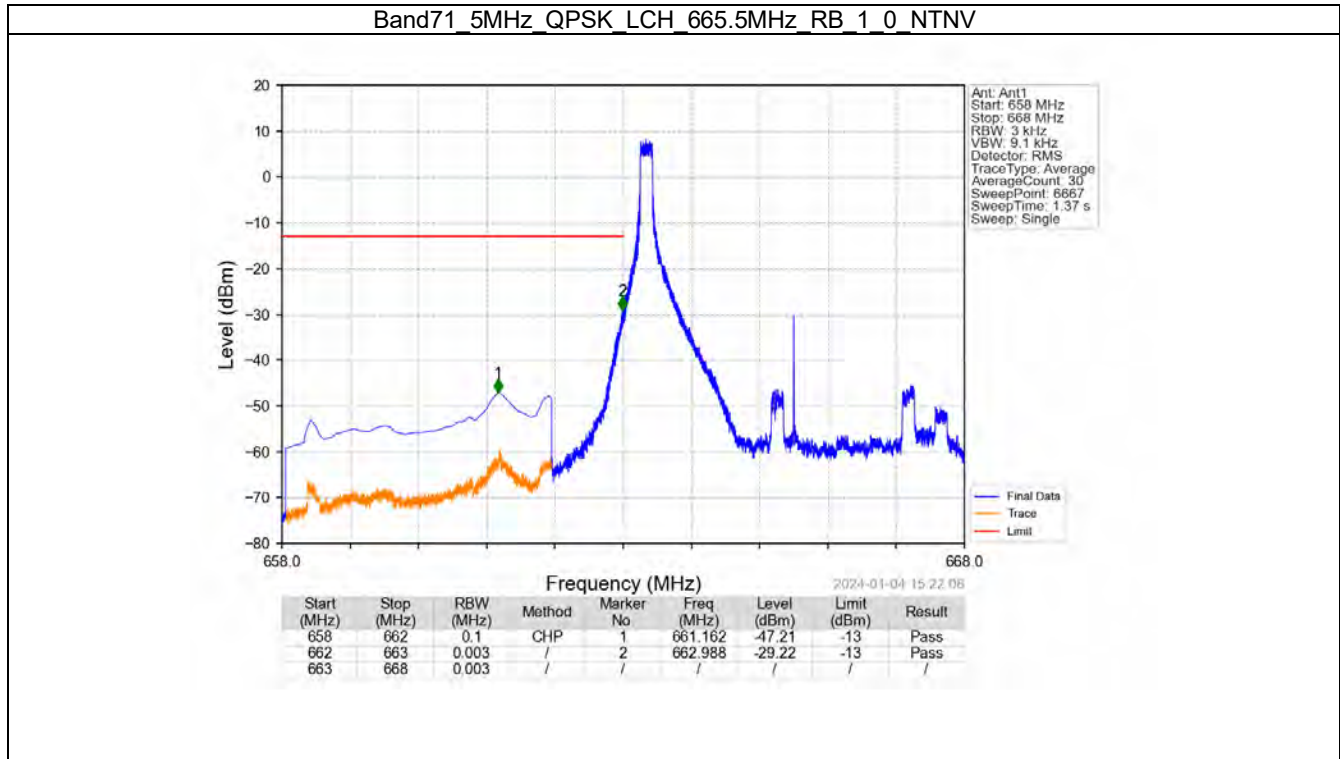
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5.1.2 Test Graph



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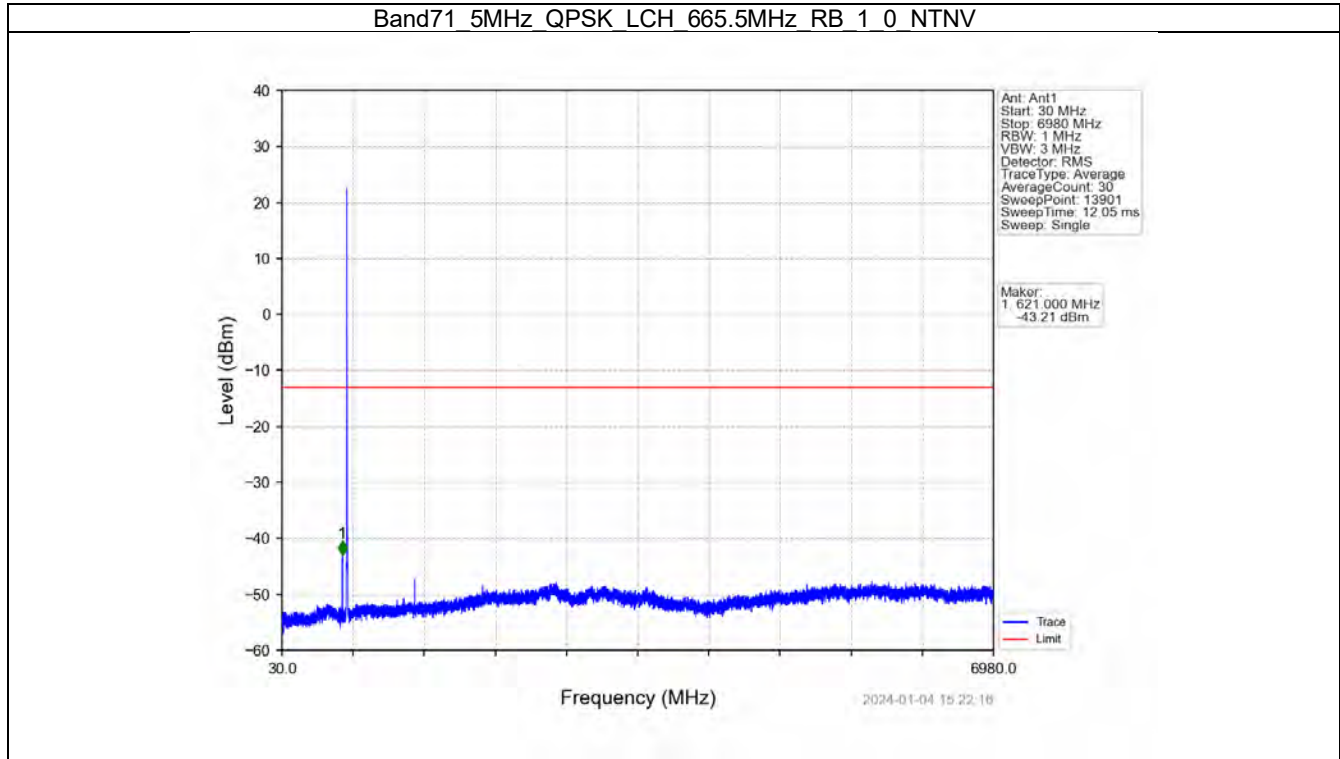
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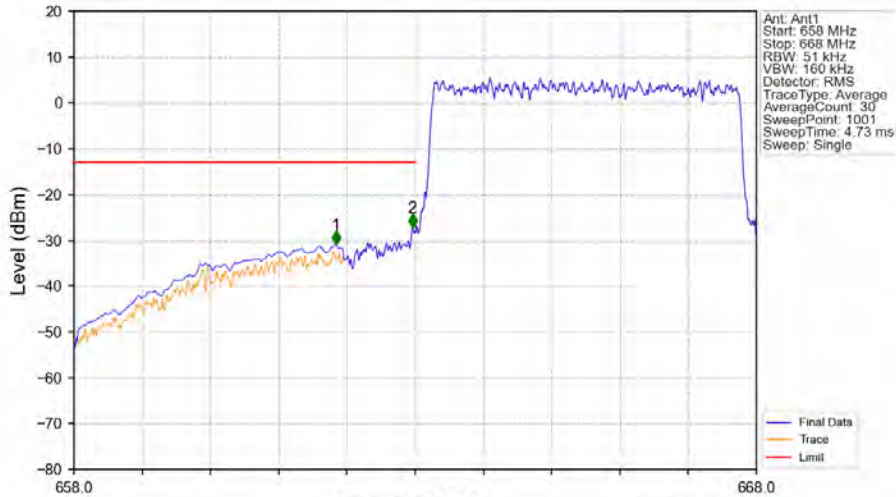
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Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.840	-31.00	-13	Pass
662	663	0.051	/	2	662.960	-27.30	-13	Pass
663	668	0.051	/	/	/	/	/	/

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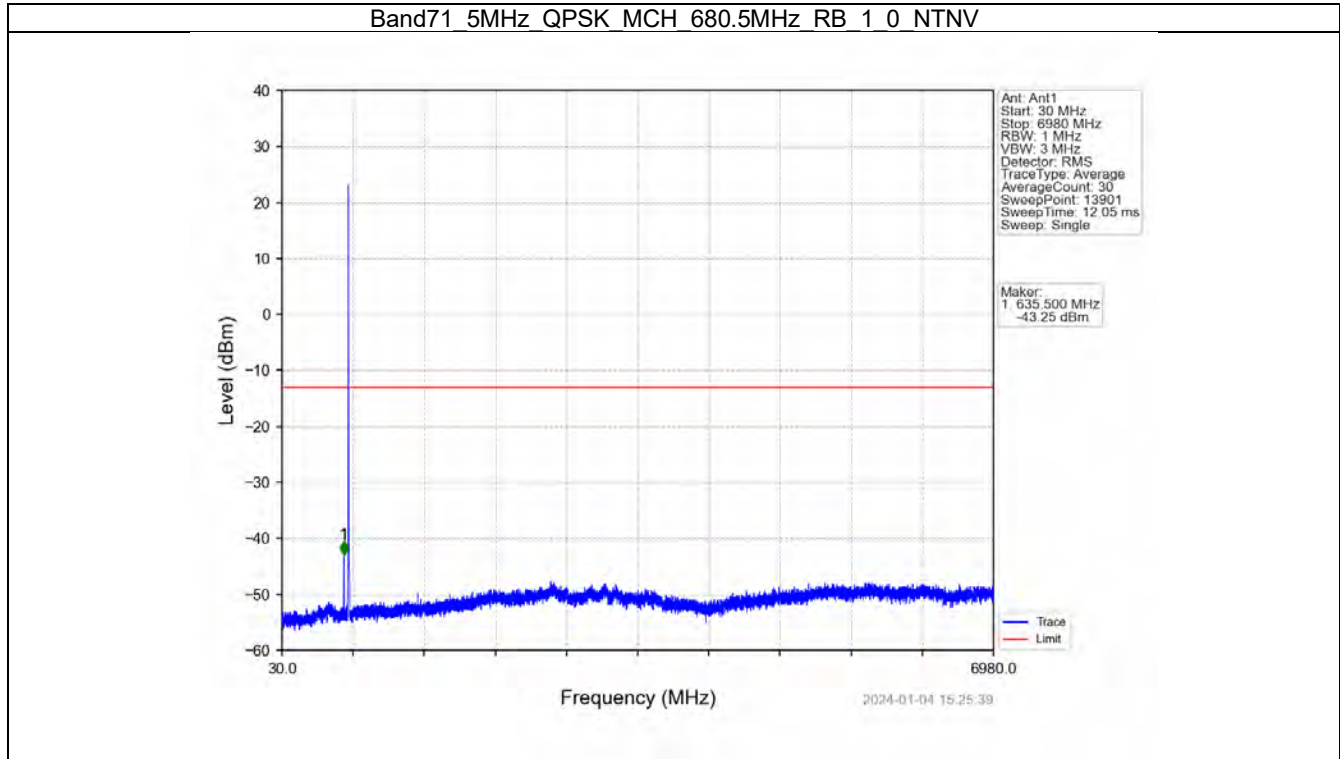
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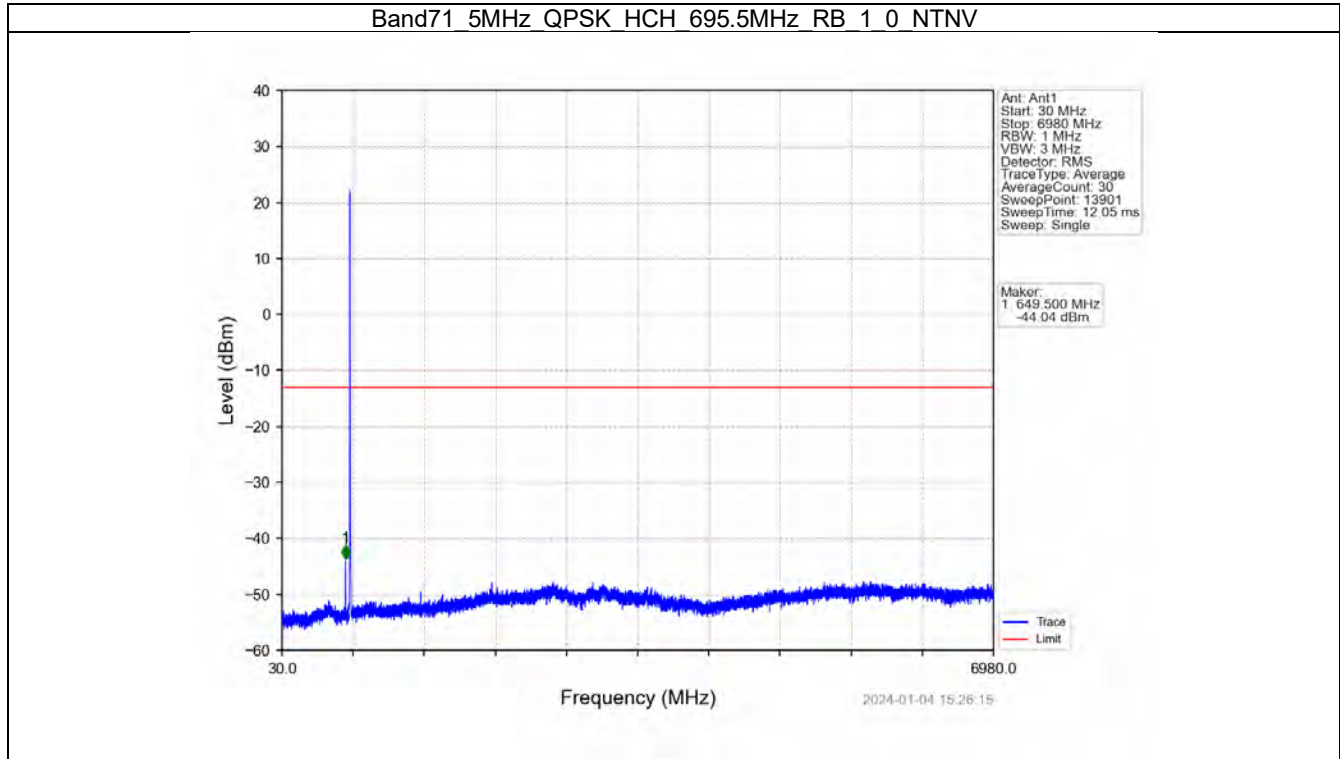
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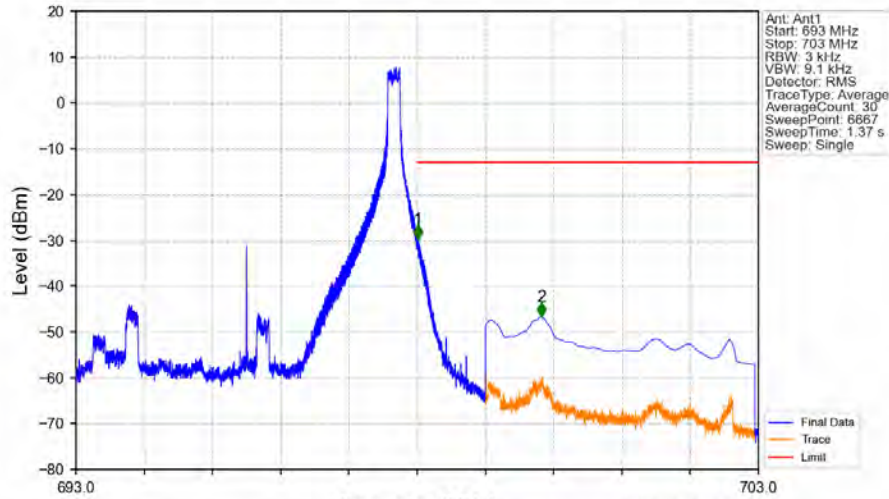
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Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	1	698.011	-29.74	-13	Pass
698	699	0.003	/	1	698.011	-29.74	-13	Pass
699	703	0.1	CHP	2	699.818	-46.74	-13	Pass



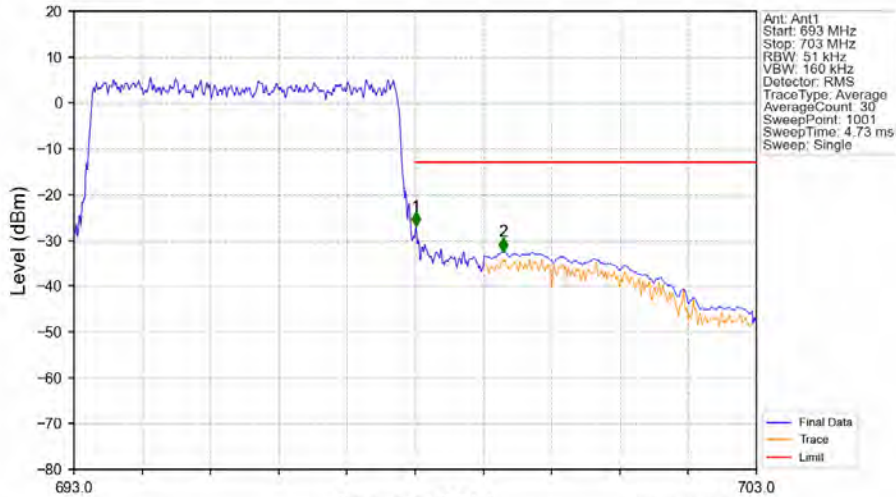
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Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	1	698.010	-26.96	-13	Pass
698	699	0.051	/	2	699.290	-32.49	-13	Pass
699	703	0.1	CHP					



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5.2 B71_10MHz

5.2.1 Test Result

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



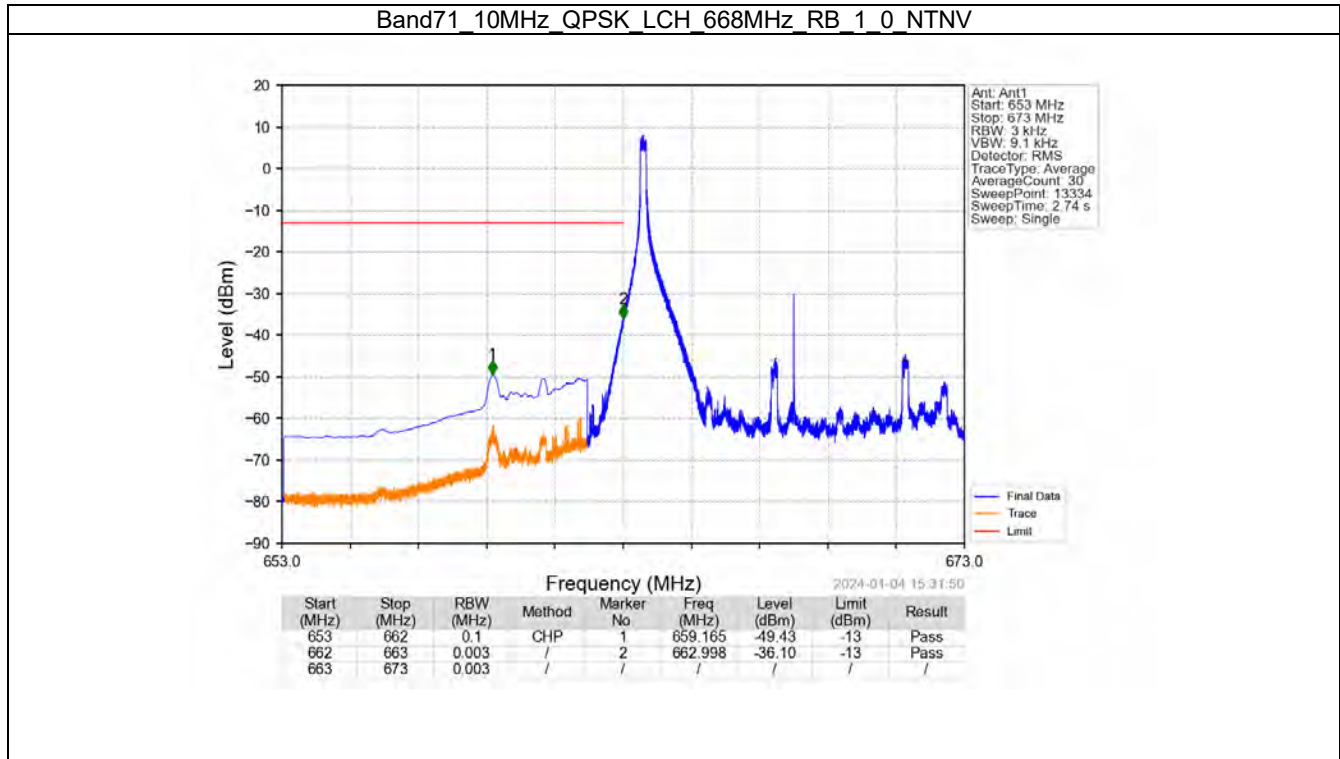
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5.2.2 Test Graph



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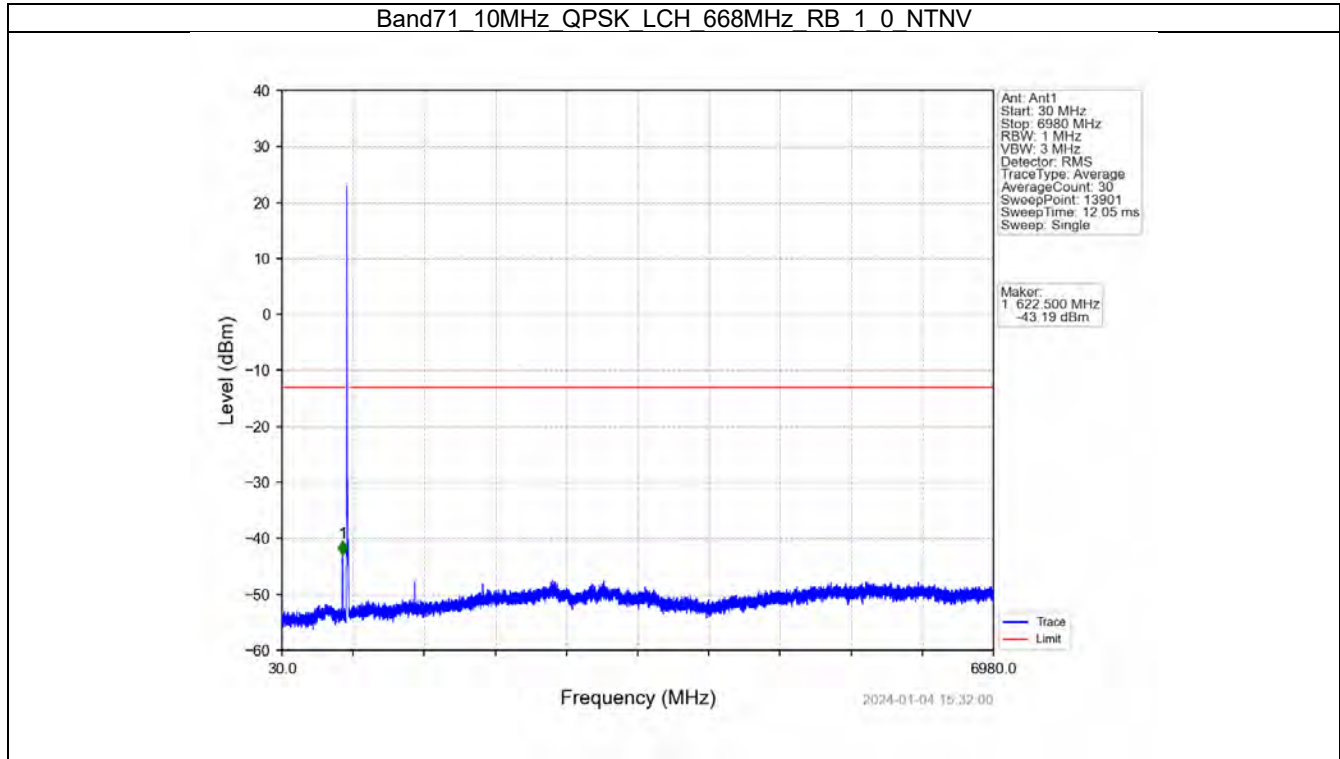
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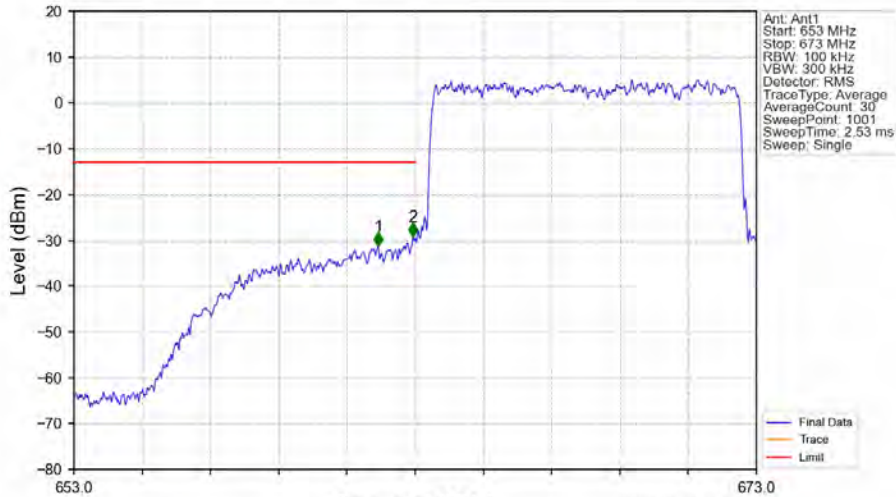
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Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.920	-31.35	-13	Pass
662	663	0.101	/	2	662.940	-29.17	-13	Pass
663	673	0.101	/	/	/	/	/	/

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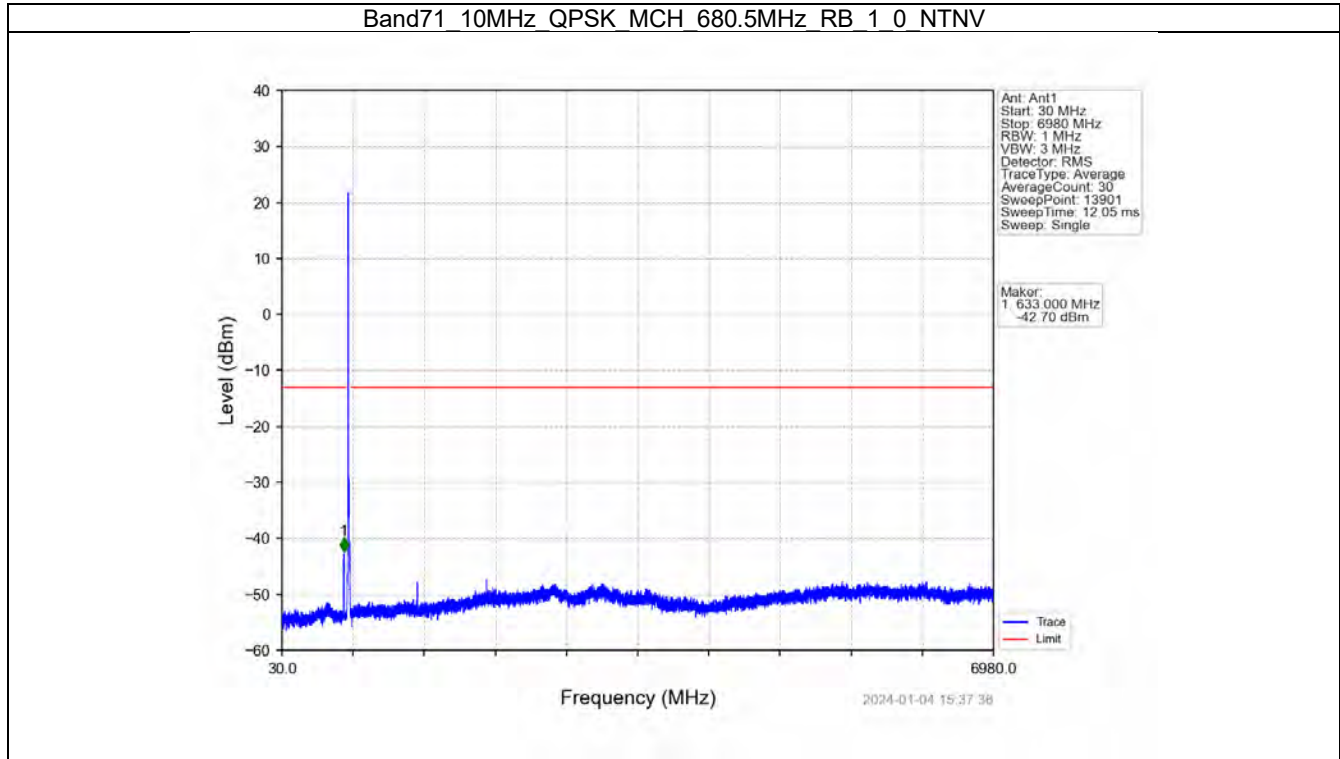
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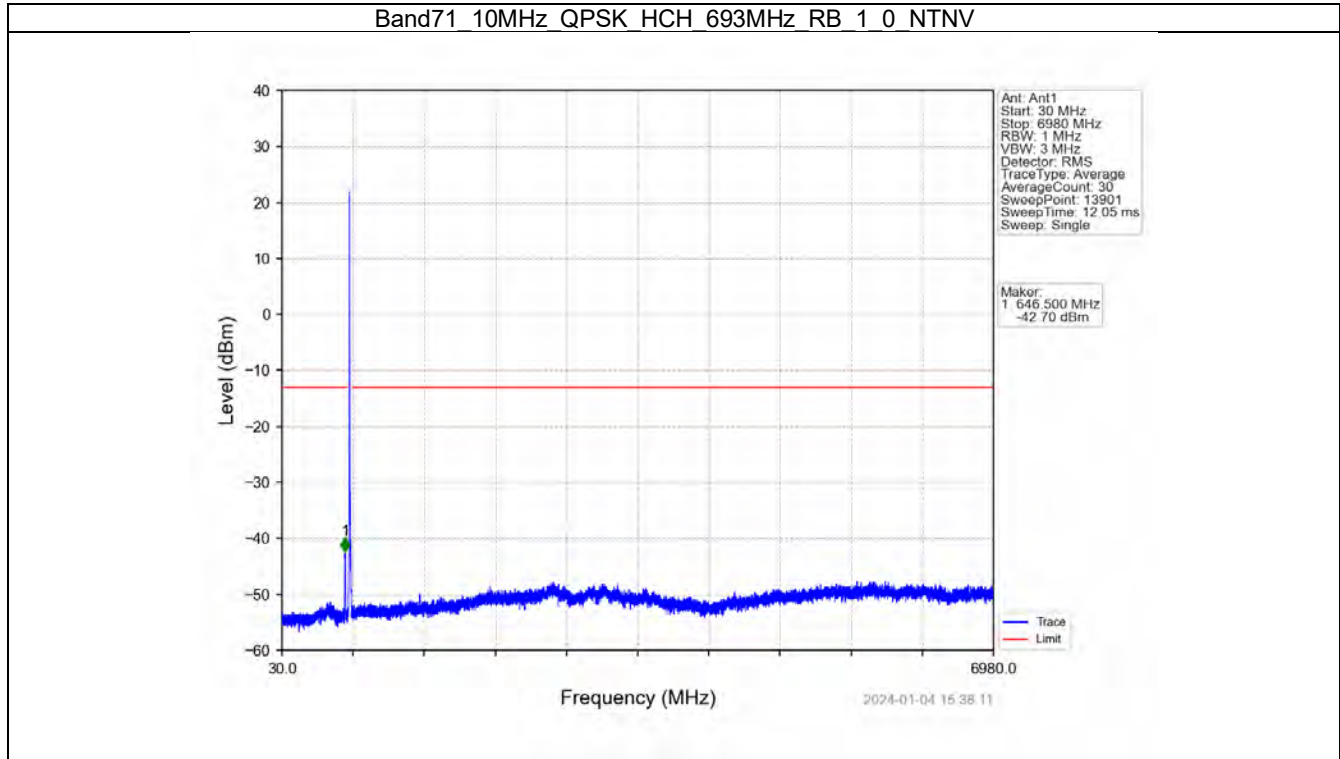
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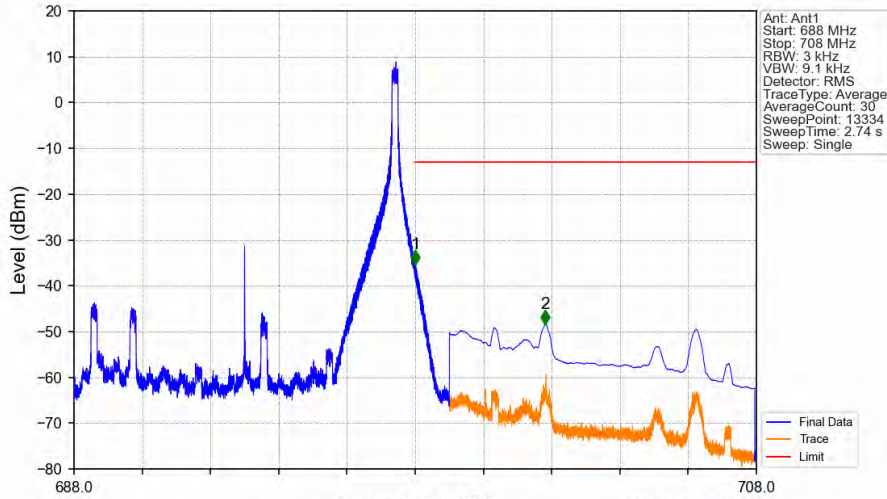
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Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	1	698.002	-35.29	-13	Pass
698	708	0.1	CHP	2	701.806	-48.37	-13	Pass

Ant: Ant1
 Start: 688 MHz
 Stop: 708 MHz
 RBW: 3 kHz
 VBW: 9.1 kHz
 Detector: RMS
 TraceType: Average
 AverageCount: 30
 SweepPoint: 13334
 SweepTime: 2.74 s
 Sweep: Single

Final Data
 Trace
 Limit

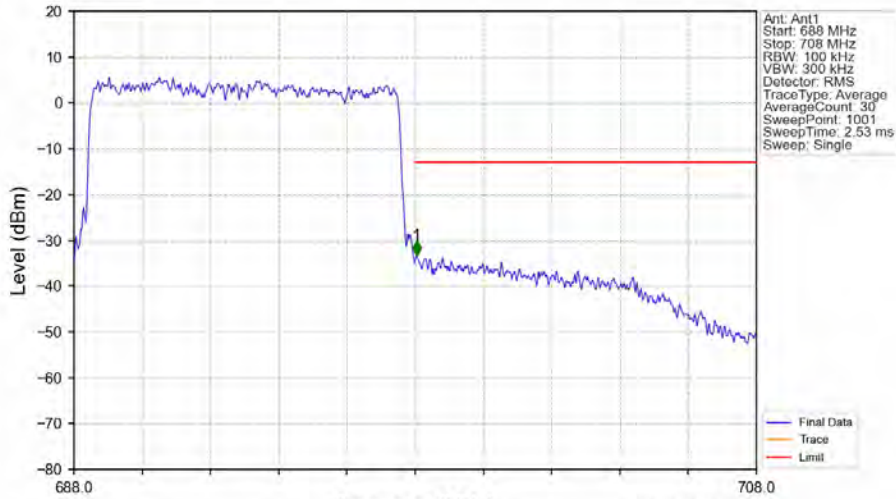
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Band71 10MHz QPSK HCH 693MHz RB 50 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.040	-33.22	-13	Pass



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5.3 B71_15MHz

5.3.1 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	
	690.5		75	0	Refer To Test Graph	
		690.5	1	0	Refer To Test Graph	
	74			Refer To Test Graph		Pass
	75		0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass



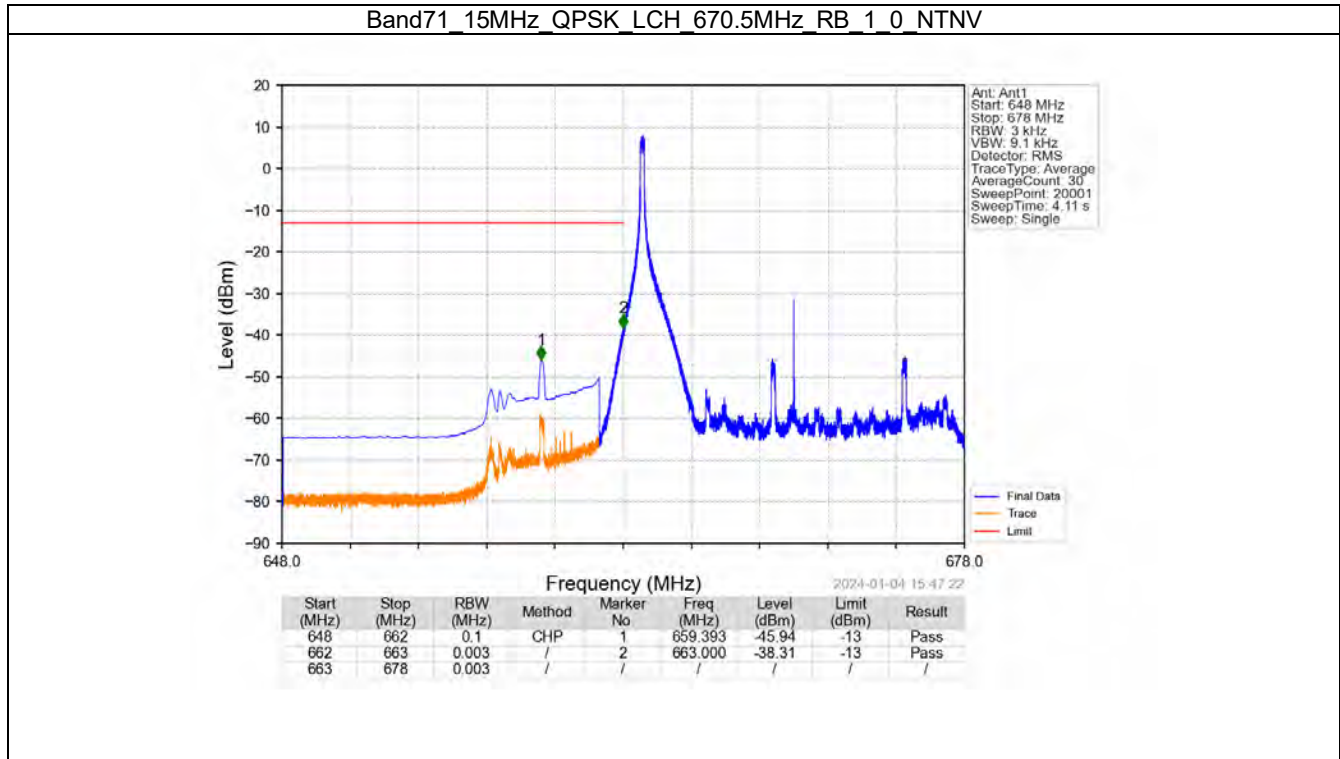
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5.3.2 Test Graph



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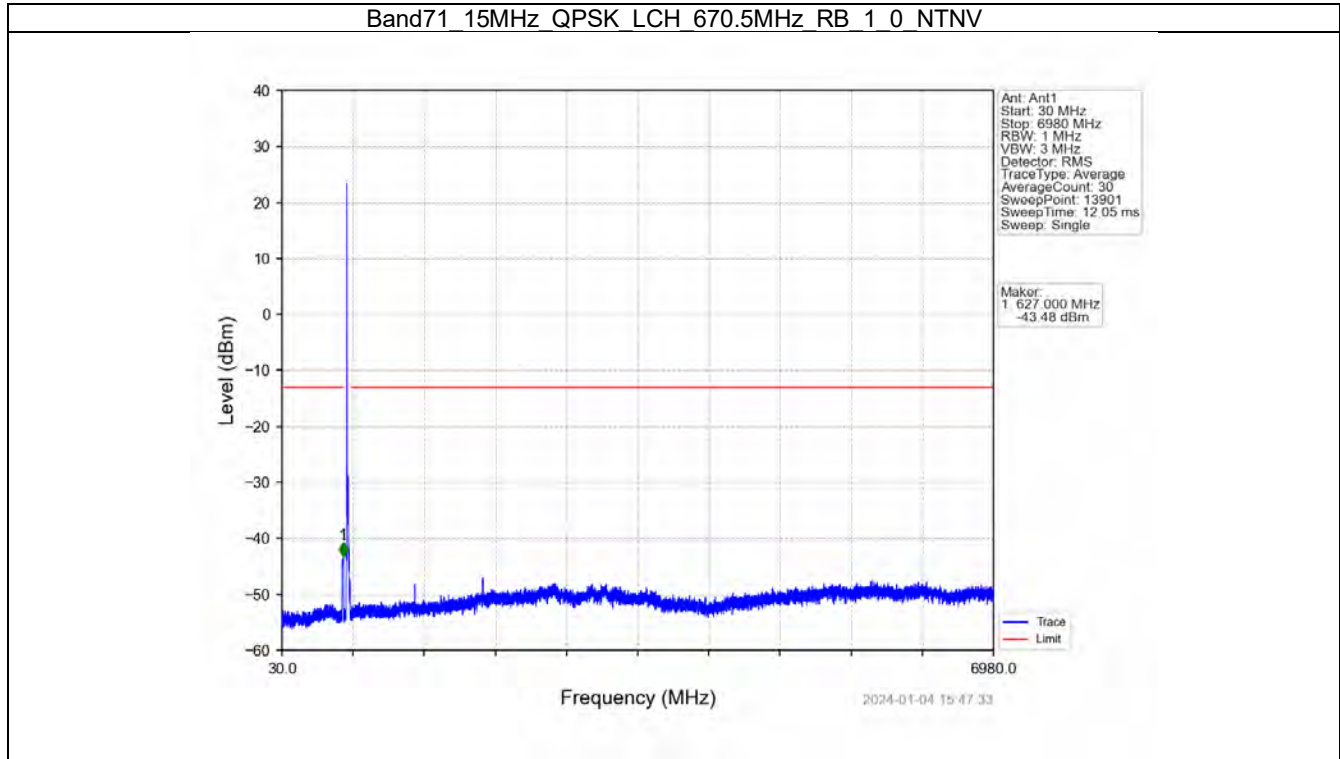
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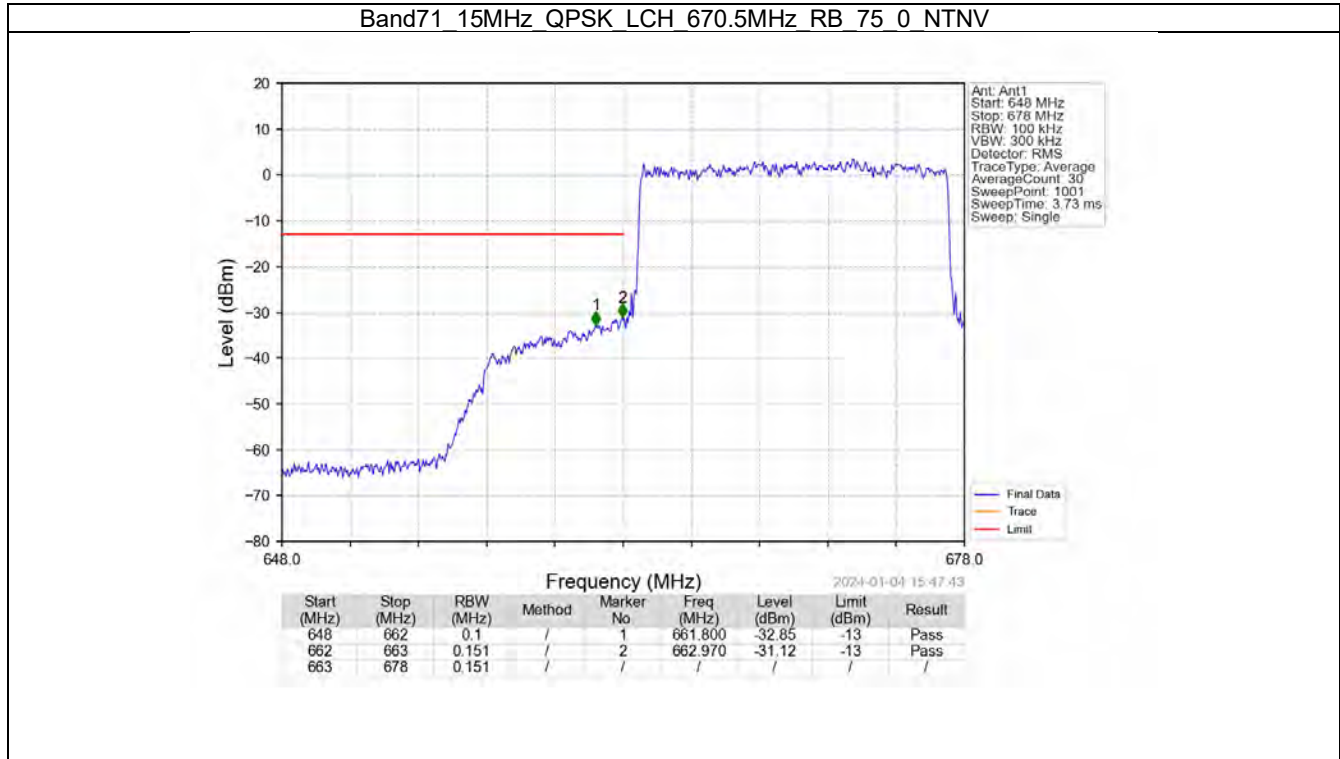


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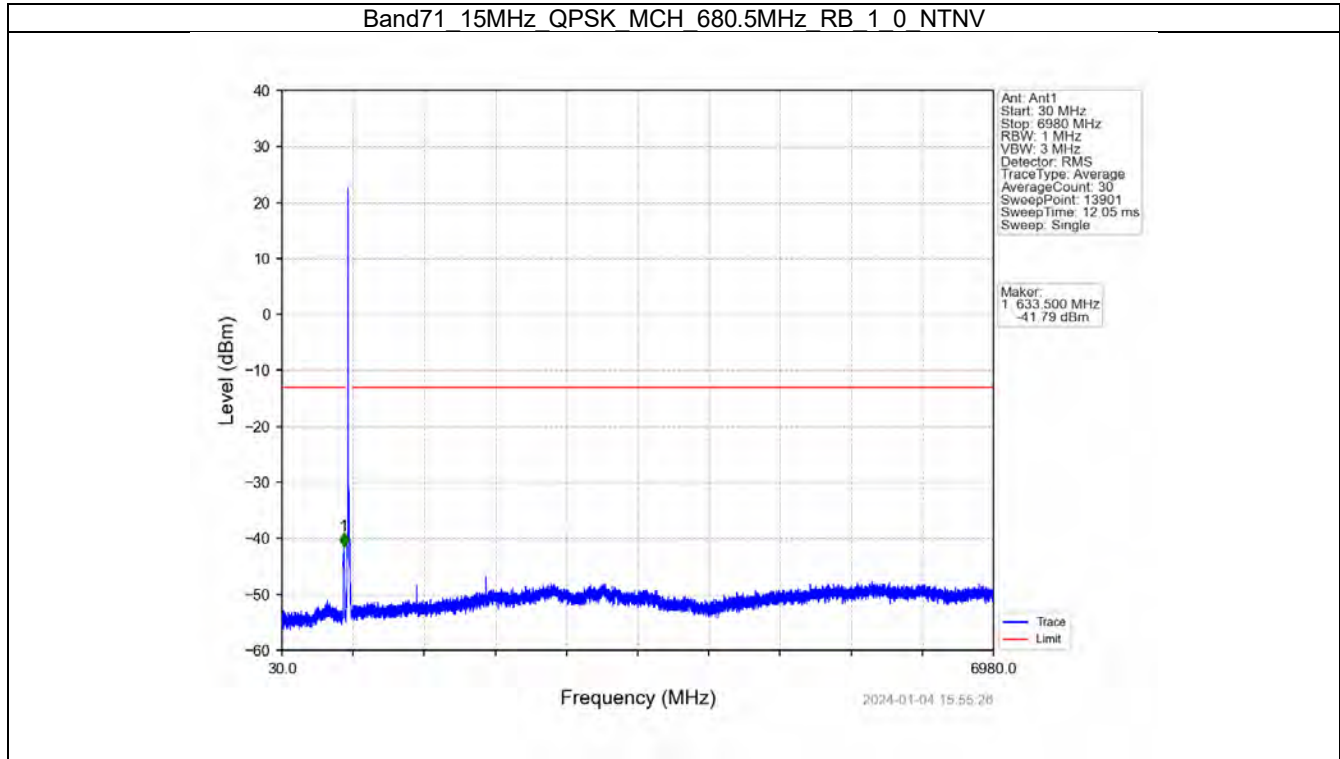
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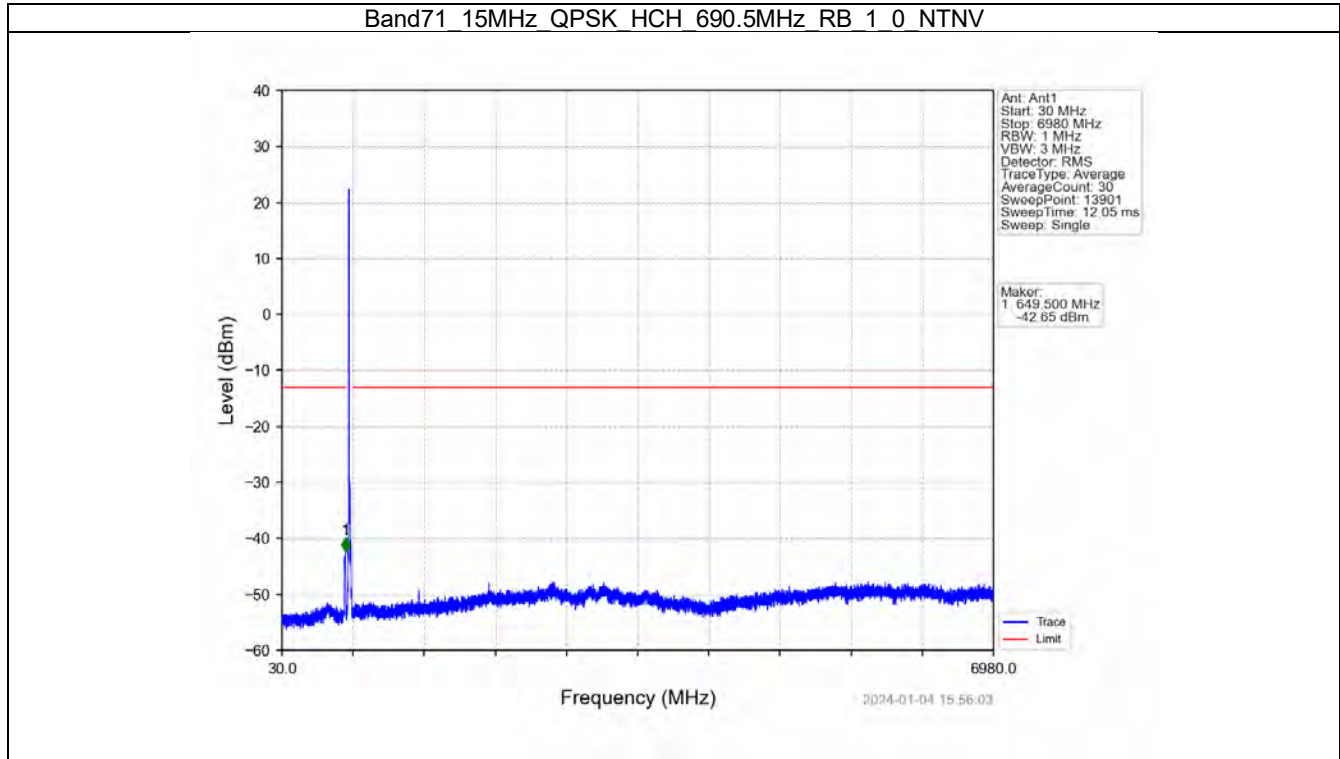
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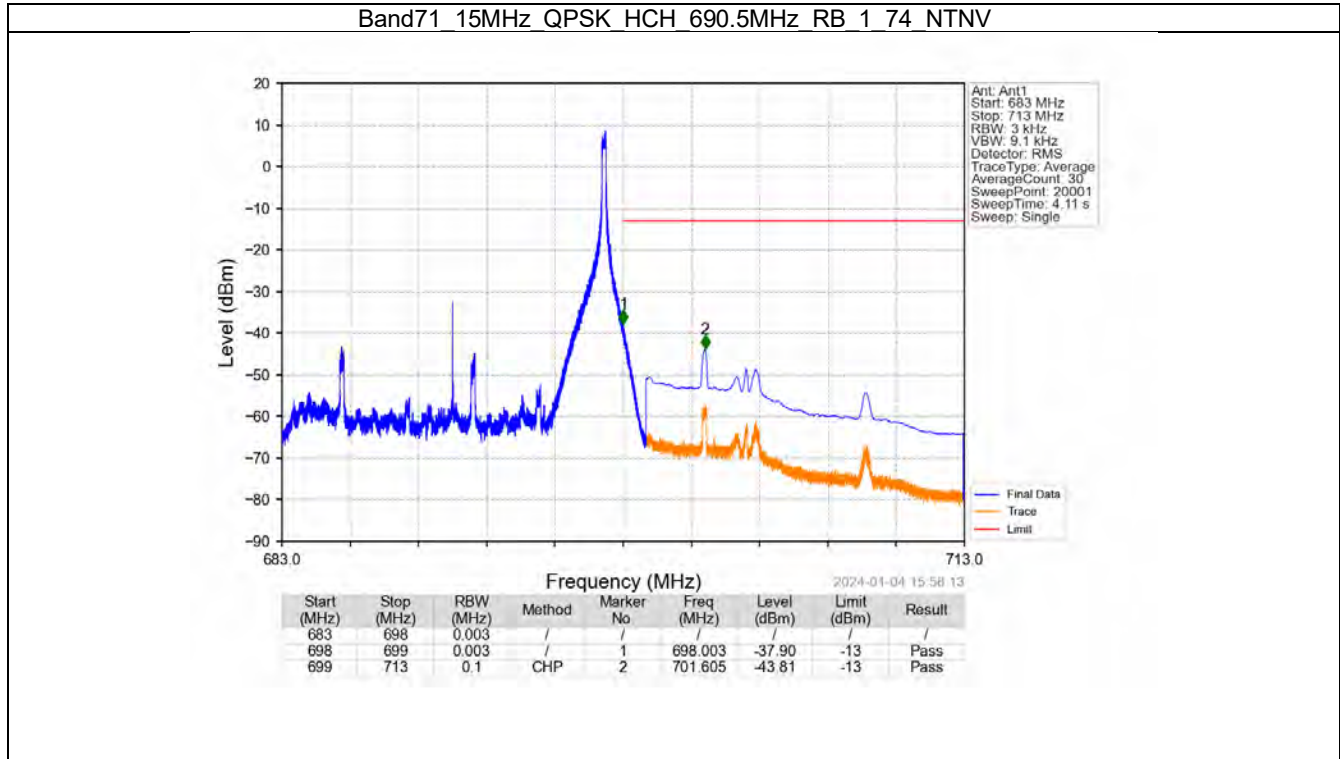
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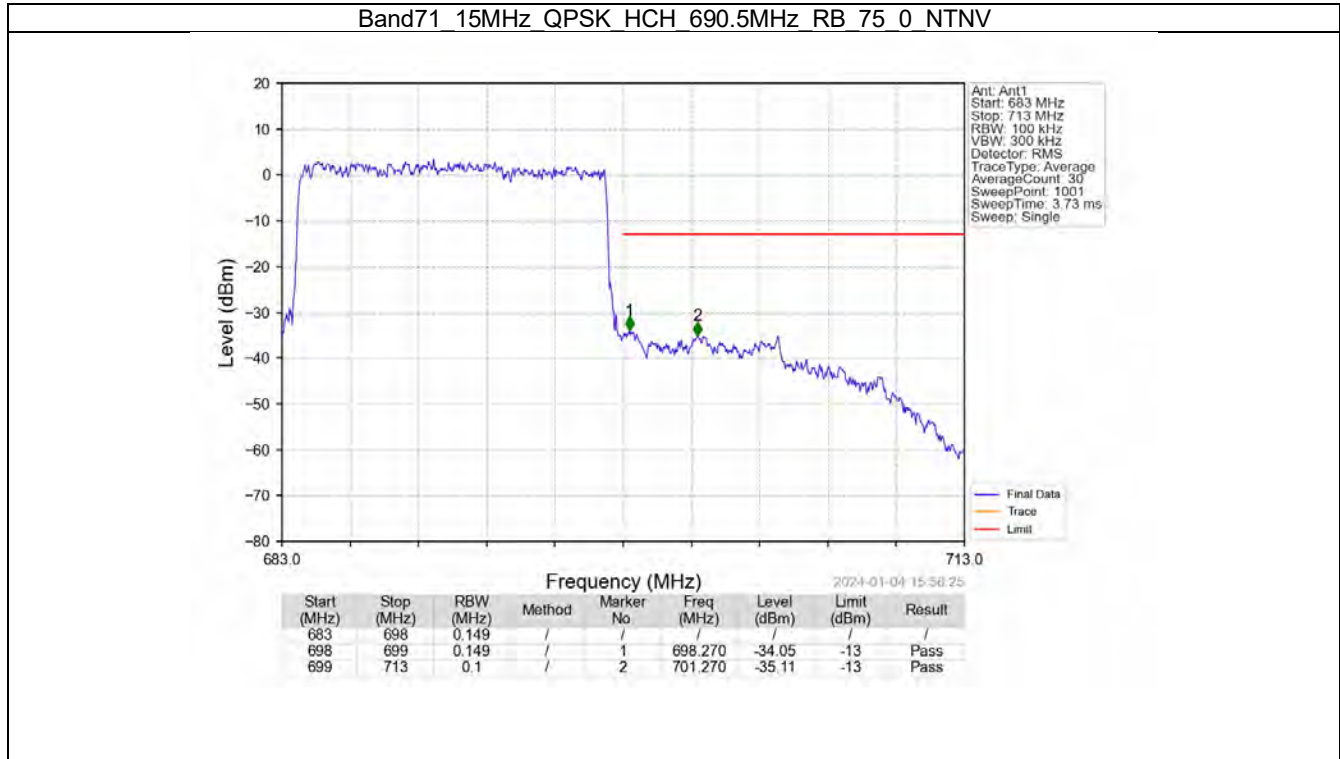
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5.4 B71_20MHz

5.4.1 Test Result

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

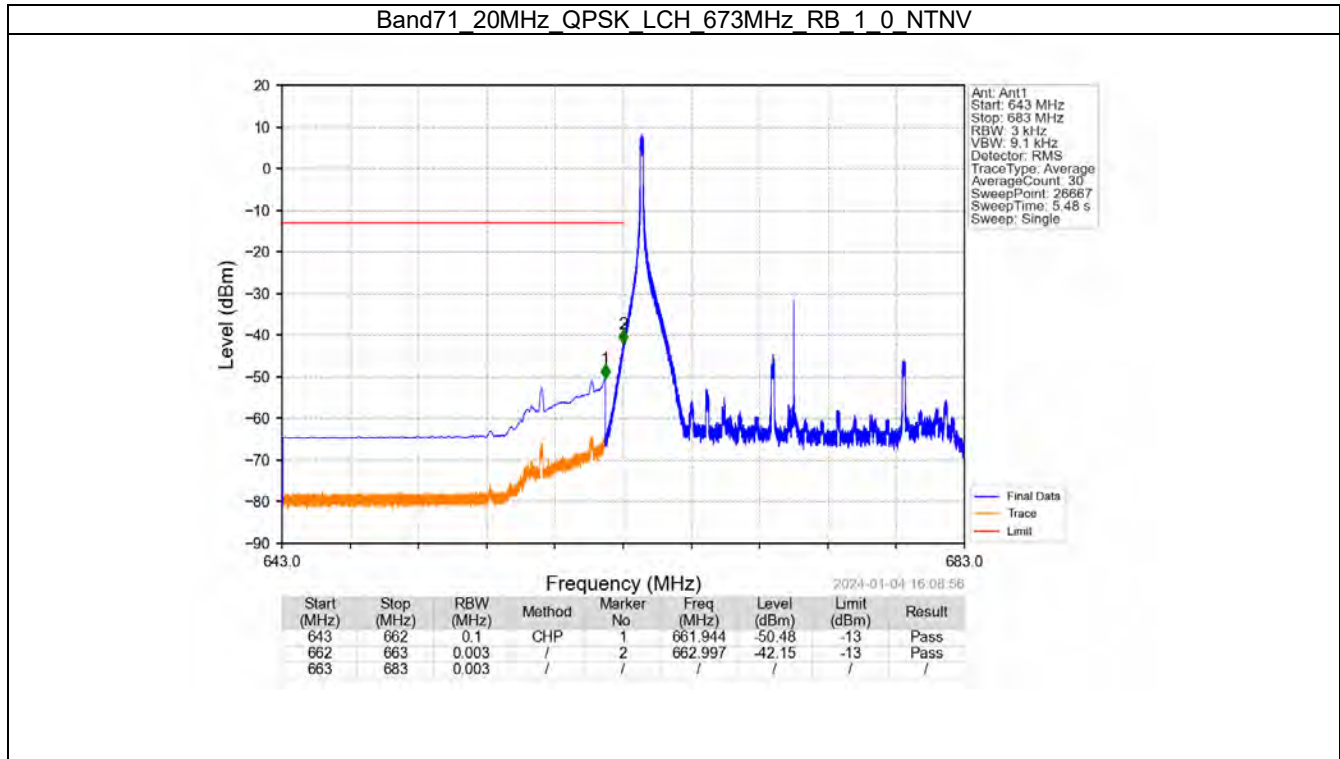


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5.4.2 Test Graph



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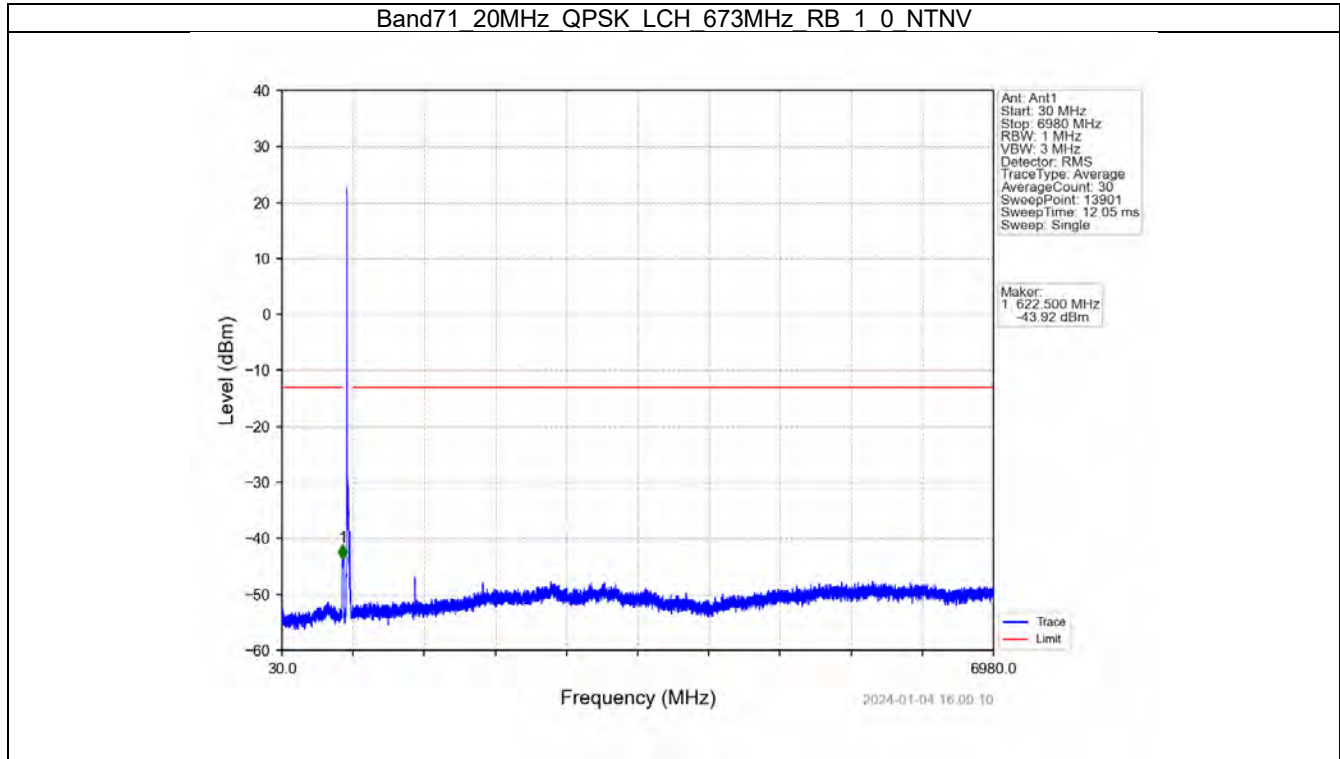
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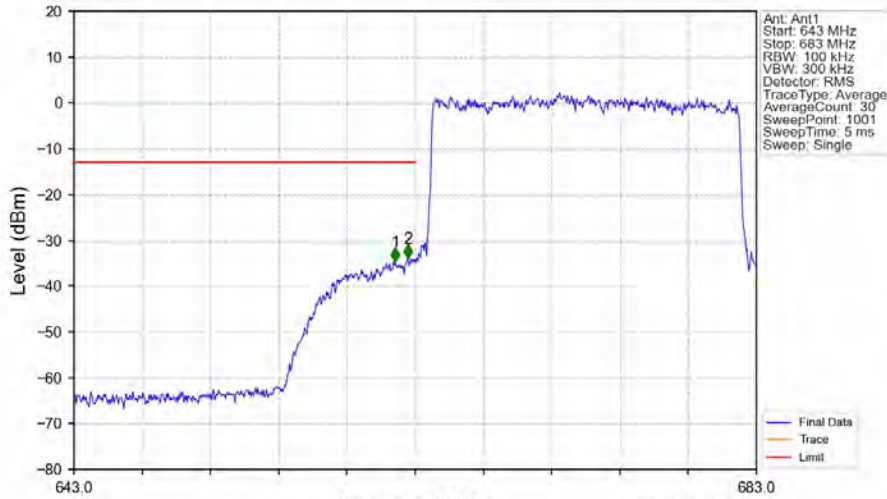
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Band71 20MHz QPSK LCH 673MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.840	-34.70	-13	Pass
662	663	0.197	/	2	662.560	-34.04	-13	Pass
663	683	0.197	/	/	/	/	/	/



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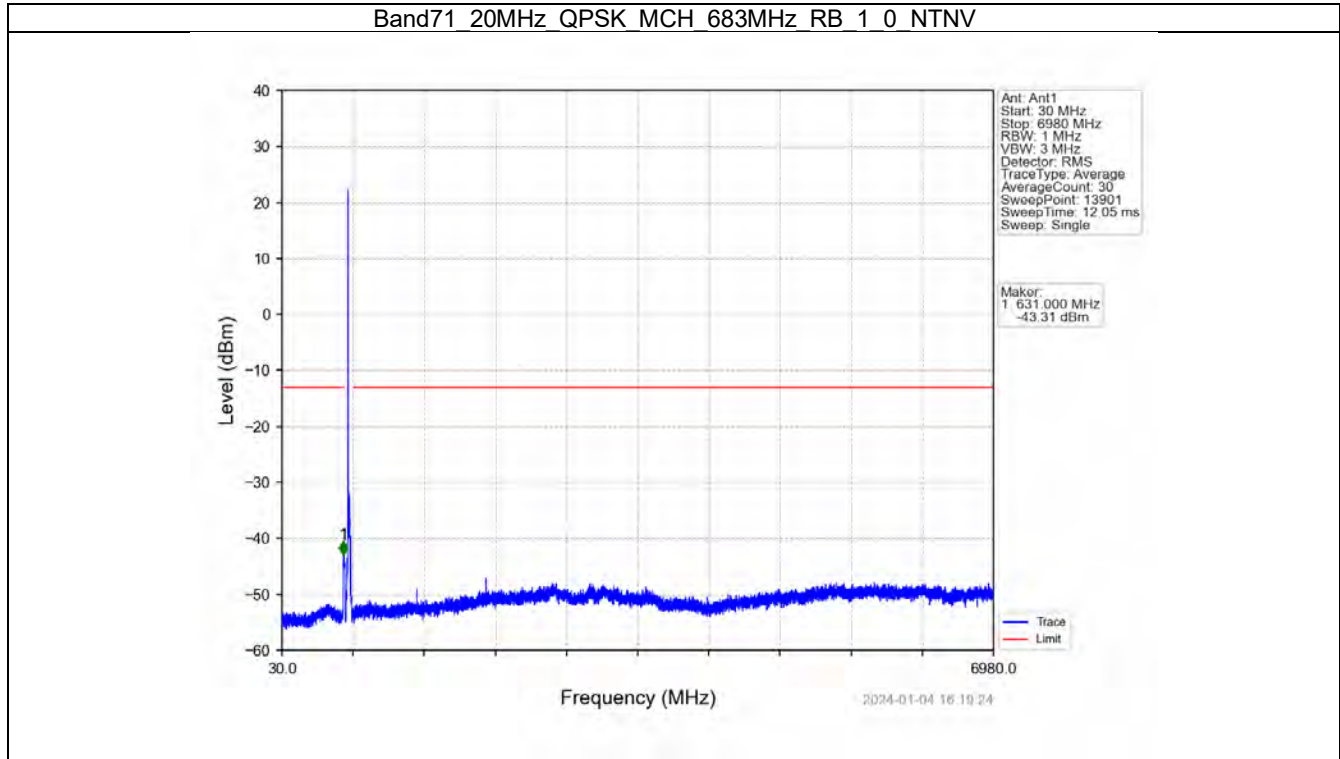
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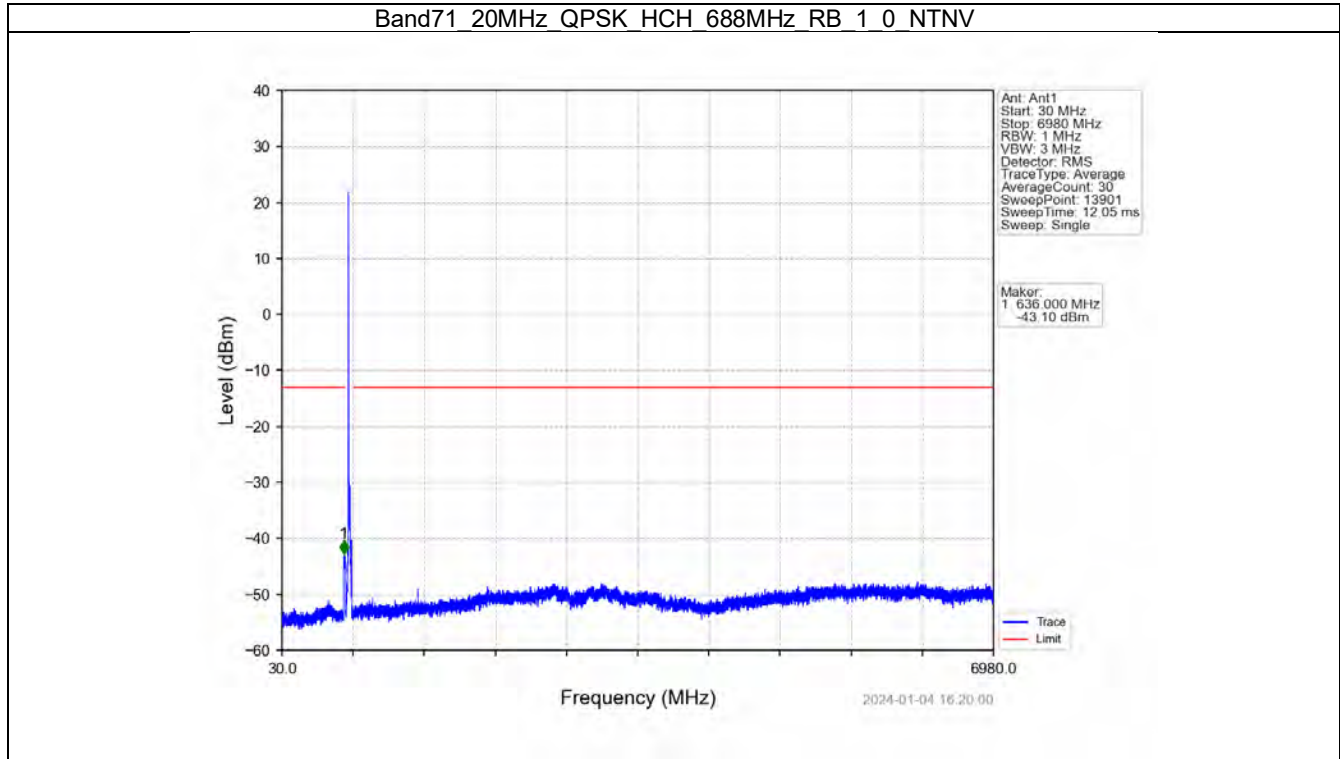
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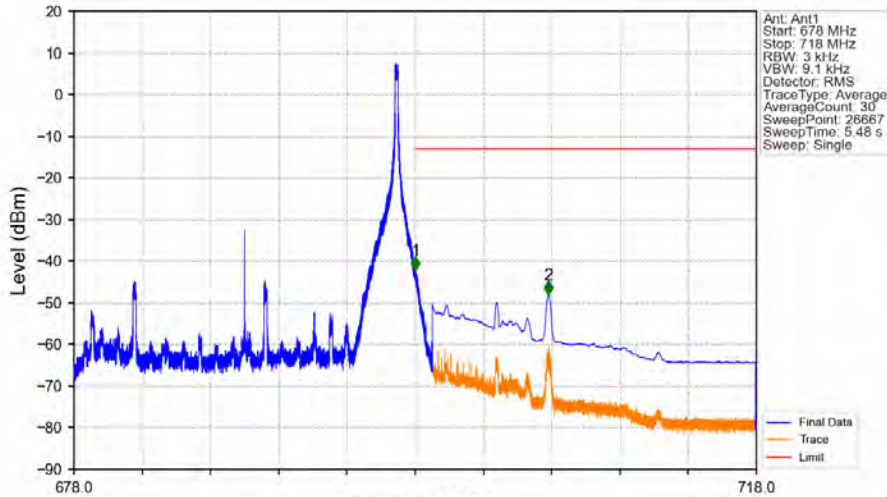
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Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV

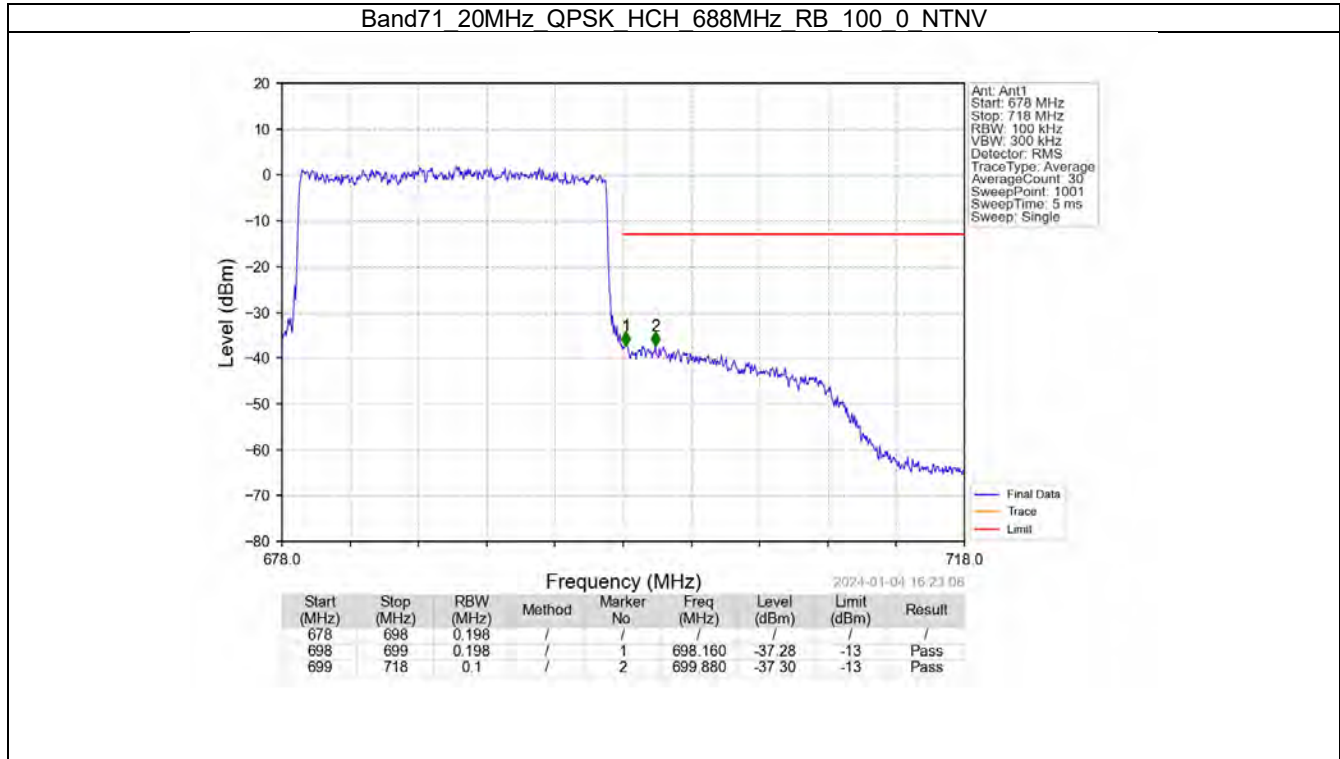


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	1	698.018	-42.28	-13	Pass
698	699	0.003	/	1	698.018	-42.28	-13	Pass
699	718	0.1	CHP	2	705.805	-48.15	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = LTE Band71_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	44.25	-48.09	25.14	-73.97	-13.00	60.97	Horizontal
2	1992.2700	42.83	-47.91	25.89	-74.46	-13.00	61.46	Horizontal
3	2656.3600	42.08	-47.00	27.61	-72.56	-13.00	59.56	Horizontal
4	3320.4500	41.87	-46.65	28.49	-71.55	-13.00	58.55	Horizontal
5	3984.5400	41.56	-46.20	29.08	-70.82	-13.00	57.82	Horizontal
6	4648.6300	39.75	-45.79	30.63	-70.68	-13.00	57.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.74	-48.09	25.14	-74.48	-13.00	61.48	Vertical
2	1992.2700	42.13	-47.91	25.89	-75.16	-13.00	62.16	Vertical
3	2656.3600	42.28	-47.00	27.61	-72.36	-13.00	59.36	Vertical
4	3320.4500	41.74	-46.65	28.49	-71.68	-13.00	58.68	Vertical
5	3984.5400	41.48	-46.20	29.08	-70.90	-13.00	57.90	Vertical
6	4648.6300	40.24	-45.79	30.63	-70.19	-13.00	57.19	Vertical



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Test Band = LTE Band71_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	43.82	-48.07	25.13	-74.38	-13.00	61.38	Horizontal
2	2022.2700	42.27	-47.86	25.96	-74.89	-13.00	61.89	Horizontal
3	2696.3600	41.53	-47.05	27.69	-73.08	-13.00	60.08	Horizontal
4	3370.4500	41.57	-46.58	28.52	-71.75	-13.00	58.75	Horizontal
5	4044.5400	40.80	-46.07	29.21	-71.32	-13.00	58.32	Horizontal
6	4718.6300	40.28	-45.77	30.78	-69.97	-13.00	56.97	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	44.11	-48.07	25.13	-74.09	-13.00	61.09	Vertical
2	2022.2700	42.50	-47.86	25.96	-74.66	-13.00	61.66	Vertical
3	2696.3600	41.68	-47.05	27.69	-72.93	-13.00	59.93	Vertical
4	3370.4500	41.51	-46.58	28.52	-71.81	-13.00	58.81	Vertical
5	4044.5400	40.13	-46.07	29.21	-71.99	-13.00	58.99	Vertical
6	4718.6300	40.62	-45.77	30.78	-69.63	-13.00	56.63	Vertical



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Test Band = LTE Band71_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	45.12	-48.05	25.12	-73.07	-13.00	60.07	Horizontal
2	2037.2700	42.65	-47.83	26.01	-74.43	-13.00	61.43	Horizontal
3	2716.3600	42.45	-47.03	27.73	-72.11	-13.00	59.11	Horizontal
4	3395.4500	41.57	-46.55	28.54	-71.70	-13.00	58.70	Horizontal
5	4074.5400	40.28	-45.98	29.28	-71.68	-13.00	58.68	Horizontal
6	4753.6300	40.05	-45.71	30.86	-70.07	-13.00	57.07	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	43.83	-48.05	25.12	-74.36	-13.00	61.36	Vertical
2	2037.2700	42.89	-47.83	26.01	-74.19	-13.00	61.19	Vertical
3	2716.3600	42.40	-47.03	27.73	-72.16	-13.00	59.16	Vertical
4	3395.4500	41.02	-46.55	28.54	-72.25	-13.00	59.25	Vertical
5	4074.5400	40.49	-45.98	29.28	-71.47	-13.00	58.47	Vertical
6	4753.6300	39.78	-45.71	30.86	-70.34	-13.00	57.34	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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