



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240200055101

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Appendix B.19

LTE Band 71



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERP

1.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	22.89	1.61	22.35	<=34.77	Pass
			13	22.91	1.61	22.37	<=34.77	Pass
			24	22.84	1.61	22.30	<=34.77	Pass
		12	0	21.83	1.61	21.29	<=34.77	Pass
			6	21.90	1.61	21.36	<=34.77	Pass
			13	21.85	1.61	21.31	<=34.77	Pass
		25	0	21.88	1.61	21.34	<=34.77	Pass
	680.5	1	0	22.99	1.61	22.45	<=34.77	Pass
			13	23.07	1.61	22.53	<=34.77	Pass
			24	23.02	1.61	22.48	<=34.77	Pass
		12	0	22.02	1.61	21.48	<=34.77	Pass
			6	22.01	1.61	21.47	<=34.77	Pass
			13	22.05	1.61	21.51	<=34.77	Pass
		25	0	22.00	1.61	21.46	<=34.77	Pass
	695.5	1	0	22.94	1.61	22.40	<=34.77	Pass
			13	22.99	1.61	22.45	<=34.77	Pass
			24	22.91	1.61	22.37	<=34.77	Pass
		12	0	21.96	1.61	21.42	<=34.77	Pass
			6	21.92	1.61	21.38	<=34.77	Pass
			13	21.97	1.61	21.43	<=34.77	Pass
		25	0	21.91	1.61	21.37	<=34.77	Pass
16QAM	665.5	1	0	22.02	1.61	21.48	<=34.77	Pass
			13	22.08	1.61	21.54	<=34.77	Pass
			24	21.93	1.61	21.39	<=34.77	Pass
		12	0	20.87	1.61	20.33	<=34.77	Pass
			6	20.95	1.61	20.41	<=34.77	Pass
			13	20.89	1.61	20.35	<=34.77	Pass
		25	0	20.92	1.61	20.38	<=34.77	Pass
	680.5	1	0	22.15	1.61	21.61	<=34.77	Pass
			13	22.20	1.61	21.66	<=34.77	Pass
			24	22.16	1.61	21.62	<=34.77	Pass
		12	0	21.04	1.61	20.50	<=34.77	Pass
			6	21.02	1.61	20.48	<=34.77	Pass
			13	21.09	1.61	20.55	<=34.77	Pass
		25	0	21.01	1.61	20.47	<=34.77	Pass
	695.5	1	0	22.15	1.61	21.61	<=34.77	Pass
			13	22.21	1.61	21.67	<=34.77	Pass



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64QAM	665.5	12	24	22.07	1.61	21.53	<=34.77	Pass
			0	20.98	1.61	20.44	<=34.77	Pass
			6	20.97	1.61	20.43	<=34.77	Pass
			13	21.02	1.61	20.48	<=34.77	Pass
		25	0	20.93	1.61	20.39	<=34.77	Pass
			1	21.08	1.61	20.54	<=34.77	Pass
			13	21.14	1.61	20.60	<=34.77	Pass
			24	21.04	1.61	20.50	<=34.77	Pass
	680.5	12	0	19.89	1.61	19.35	<=34.77	Pass
			6	19.96	1.61	19.42	<=34.77	Pass
			13	19.93	1.61	19.39	<=34.77	Pass
			25	19.89	1.61	19.35	<=34.77	Pass
		25	0	21.15	1.61	20.61	<=34.77	Pass
			13	21.33	1.61	20.79	<=34.77	Pass
			24	21.12	1.61	20.58	<=34.77	Pass
			0	20.05	1.61	19.51	<=34.77	Pass
	695.5	12	6	20.06	1.61	19.52	<=34.77	Pass
			13	20.12	1.61	19.58	<=34.77	Pass
			25	19.99	1.61	19.45	<=34.77	Pass
		25	0	20.99	1.61	20.45	<=34.77	Pass
			13	21.13	1.61	20.59	<=34.77	Pass
			24	21.01	1.61	20.47	<=34.77	Pass
			0	19.96	1.61	19.42	<=34.77	Pass
			6	19.96	1.61	19.42	<=34.77	Pass
			13	19.99	1.61	19.45	<=34.77	Pass
			25	19.93	1.61	19.39	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B71_10MHz_ERP

1.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	22.93	1.61	22.39	<=34.77	Pass
			25	22.96	1.61	22.42	<=34.77	Pass
			49	22.87	1.61	22.33	<=34.77	Pass
		25	0	21.91	1.61	21.37	<=34.77	Pass
			13	22.00	1.61	21.46	<=34.77	Pass
			25	21.99	1.61	21.45	<=34.77	Pass
	680.5	50	0	22.14	1.61	21.60	<=34.77	Pass
			0	23.06	1.61	22.52	<=34.77	Pass
			25	23.11	1.61	22.57	<=34.77	Pass
		25	49	23.04	1.61	22.50	<=34.77	Pass
			0	22.06	1.61	21.52	<=34.77	Pass
			0					



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16QAM		50	13	22.16	1.61	21.62	<=34.77	Pass
			25	22.10	1.61	21.56	<=34.77	Pass
			0	22.17	1.61	21.63	<=34.77	Pass
	693	1	0	23.09	1.61	22.55	<=34.77	Pass
			25	23.00	1.61	22.46	<=34.77	Pass
			49	22.89	1.61	22.35	<=34.77	Pass
		25	0	22.03	1.61	21.49	<=34.77	Pass
			13	22.00	1.61	21.46	<=34.77	Pass
			25	22.02	1.61	21.48	<=34.77	Pass
		50	0	22.15	1.61	21.61	<=34.77	Pass
	668	1	0	22.20	1.61	21.66	<=34.77	Pass
			25	22.04	1.61	21.50	<=34.77	Pass
			49	22.11	1.61	21.57	<=34.77	Pass
		25	0	20.93	1.61	20.39	<=34.77	Pass
			13	21.02	1.61	20.48	<=34.77	Pass
			25	21.00	1.61	20.46	<=34.77	Pass
		50	0	21.12	1.61	20.58	<=34.77	Pass
	680.5	1	0	22.24	1.61	21.70	<=34.77	Pass
			25	22.33	1.61	21.79	<=34.77	Pass
			49	22.19	1.61	21.65	<=34.77	Pass
		25	0	21.07	1.61	20.53	<=34.77	Pass
			13	21.17	1.61	20.63	<=34.77	Pass
			25	21.10	1.61	20.56	<=34.77	Pass
	693	1	0	21.22	1.61	20.68	<=34.77	Pass
			0	22.21	1.61	21.67	<=34.77	Pass
			25	22.16	1.61	21.62	<=34.77	Pass
		25	49	22.09	1.61	21.55	<=34.77	Pass
			0	21.06	1.61	20.52	<=34.77	Pass
			13	21.02	1.61	20.48	<=34.77	Pass
		50	25	21.01	1.61	20.47	<=34.77	Pass
			0	21.14	1.61	20.60	<=34.77	Pass
			0	21.15	1.61	20.61	<=34.77	Pass
64QAM	668	1	25	21.18	1.61	20.64	<=34.77	Pass
			49	21.10	1.61	20.56	<=34.77	Pass
		25	0	19.93	1.61	19.39	<=34.77	Pass
			13	20.02	1.61	19.48	<=34.77	Pass
			25	20.00	1.61	19.46	<=34.77	Pass
		50	0	20.14	1.61	19.60	<=34.77	Pass
	680.5	1	0	21.24	1.61	20.70	<=34.77	Pass
			25	21.34	1.61	20.80	<=34.77	Pass
			49	21.22	1.61	20.68	<=34.77	Pass
		25	0	20.10	1.61	19.56	<=34.77	Pass
			13	20.19	1.61	19.65	<=34.77	Pass
			25	20.12	1.61	19.58	<=34.77	Pass
		50	0	20.19	1.61	19.65	<=34.77	Pass
	693	1	0	21.29	1.61	20.75	<=34.77	Pass
			25	21.21	1.61	20.67	<=34.77	Pass
			49	21.03	1.61	20.49	<=34.77	Pass



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		25	0	20.07	1.61	19.53	<=34.77	Pass
			13	20.04	1.61	19.50	<=34.77	Pass
			25	20.02	1.61	19.48	<=34.77	Pass
		50	0	20.15	1.61	19.61	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B71_15MHz_ERP

1.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	22.86	1.61	22.32	<=34.77	Pass
			38	22.88	1.61	22.34	<=34.77	Pass
			74	22.96	1.61	22.42	<=34.77	Pass
		36	0	21.94	1.61	21.40	<=34.77	Pass
			18	22.04	1.61	21.50	<=34.77	Pass
			39	21.99	1.61	21.45	<=34.77	Pass
		75	0	22.13	1.61	21.59	<=34.77	Pass
	680.5	1	0	22.95	1.61	22.41	<=34.77	Pass
			38	23.12	1.61	22.58	<=34.77	Pass
			74	22.96	1.61	22.42	<=34.77	Pass
		36	0	22.05	1.61	21.51	<=34.77	Pass
			18	22.04	1.61	21.50	<=34.77	Pass
			39	22.05	1.61	21.51	<=34.77	Pass
		75	0	22.10	1.61	21.56	<=34.77	Pass
	690.5	1	0	23.02	1.61	22.48	<=34.77	Pass
			38	23.04	1.61	22.50	<=34.77	Pass
			74	22.90	1.61	22.36	<=34.77	Pass
		36	0	22.06	1.61	21.52	<=34.77	Pass
			18	22.00	1.61	21.46	<=34.77	Pass
			39	21.96	1.61	21.42	<=34.77	Pass
		75	0	22.06	1.61	21.52	<=34.77	Pass
16QAM	670.5	1	0	22.07	1.61	21.53	<=34.77	Pass
			38	22.10	1.61	21.56	<=34.77	Pass
			74	22.18	1.61	21.64	<=34.77	Pass
		36	0	20.93	1.61	20.39	<=34.77	Pass
			18	21.03	1.61	20.49	<=34.77	Pass
			39	21.00	1.61	20.46	<=34.77	Pass
		75	0	21.16	1.61	20.62	<=34.77	Pass
	680.5	1	0	22.19	1.61	21.65	<=34.77	Pass
			38	22.33	1.61	21.79	<=34.77	Pass
			74	22.17	1.61	21.63	<=34.77	Pass
		36	0	21.04	1.61	20.50	<=34.77	Pass
			18	21.04	1.61	20.50	<=34.77	Pass



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64QAM	690.5	75	39	21.04	1.61	20.50	<=34.77	Pass
			0	21.13	1.61	20.59	<=34.77	Pass
			74	21.13	1.61	21.59	<=34.77	Pass
		36	0	22.13	1.61	21.59	<=34.77	Pass
			38	22.13	1.61	21.59	<=34.77	Pass
			74	21.99	1.61	21.45	<=34.77	Pass
		75	0	21.08	1.61	20.54	<=34.77	Pass
			18	21.02	1.61	20.48	<=34.77	Pass
			39	20.97	1.61	20.43	<=34.77	Pass
	670.5	1	0	21.11	1.61	20.57	<=34.77	Pass
			38	21.10	1.61	20.56	<=34.77	Pass
			74	21.17	1.61	20.63	<=34.77	Pass
		36	0	21.29	1.61	20.75	<=34.77	Pass
			0	19.93	1.61	19.39	<=34.77	Pass
			18	20.03	1.61	19.49	<=34.77	Pass
			39	19.99	1.61	19.45	<=34.77	Pass
		75	0	20.14	1.61	19.60	<=34.77	Pass
			0	21.15	1.61	20.61	<=34.77	Pass
			38	21.30	1.61	20.76	<=34.77	Pass
	680.5	1	74	21.14	1.61	20.60	<=34.77	Pass
			0	20.04	1.61	19.50	<=34.77	Pass
			18	19.97	1.61	19.43	<=34.77	Pass
		36	39	20.05	1.61	19.51	<=34.77	Pass
			0	20.13	1.61	19.59	<=34.77	Pass
			0	21.30	1.61	20.76	<=34.77	Pass
		75	38	21.19	1.61	20.65	<=34.77	Pass
			74	21.13	1.61	20.59	<=34.77	Pass
			0	20.06	1.61	19.52	<=34.77	Pass
	690.5	36	18	20.00	1.61	19.46	<=34.77	Pass
			39	19.96	1.61	19.42	<=34.77	Pass
			0	20.09	1.61	19.55	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B71_20MHz_ERP

1.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	22.99	1.61	22.45	<=34.77	Pass
			50	23.04	1.61	22.50	<=34.77	Pass
			99	23.04	1.61	22.50	<=34.77	Pass
		50	0	21.96	1.61	21.42	<=34.77	Pass
			25	22.11	1.61	21.57	<=34.77	Pass
			50	22.05	1.61	21.51	<=34.77	Pass
		100	0	22.23	1.61	21.69	<=34.77	Pass



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			50	23.10	1.61	22.56	<=34.77	Pass
			99	22.93	1.61	22.39	<=34.77	Pass
		50	0	22.11	1.61	21.57	<=34.77	Pass
			25	22.10	1.61	21.56	<=34.77	Pass
			50	22.07	1.61	21.53	<=34.77	Pass
		100	0	22.20	1.61	21.66	<=34.77	Pass
	688	1	0	23.11	1.61	22.57	<=34.77	Pass
			50	23.05	1.61	22.51	<=34.77	Pass
			99	22.91	1.61	22.37	<=34.77	Pass
		50	0	22.13	1.61	21.59	<=34.77	Pass
			25	22.09	1.61	21.55	<=34.77	Pass
			50	21.99	1.61	21.45	<=34.77	Pass
		100	0	22.20	1.61	21.66	<=34.77	Pass
64QAM	673	1	0	22.12	1.61	21.58	<=34.77	Pass
			50	22.21	1.61	21.67	<=34.77	Pass
			99	22.23	1.61	21.69	<=34.77	Pass
		50	0	20.97	1.61	20.43	<=34.77	Pass
			25	21.10	1.61	20.56	<=34.77	Pass
			50	20.97	1.61	20.43	<=34.77	Pass
		100	0	21.27	1.61	20.73	<=34.77	Pass
	683	1	0	22.11	1.61	21.57	<=34.77	Pass
			50	22.18	1.61	21.64	<=34.77	Pass
			99	22.00	1.61	21.46	<=34.77	Pass
		50	0	21.09	1.61	20.55	<=34.77	Pass
			25	21.07	1.61	20.53	<=34.77	Pass
			50	21.07	1.61	20.53	<=34.77	Pass
		100	0	21.21	1.61	20.67	<=34.77	Pass
	688	1	0	22.27	1.61	21.73	<=34.77	Pass
			50	22.25	1.61	21.71	<=34.77	Pass
			99	22.11	1.61	21.57	<=34.77	Pass
		50	0	21.09	1.61	20.55	<=34.77	Pass
			25	21.12	1.61	20.58	<=34.77	Pass
			50	21.00	1.61	20.46	<=34.77	Pass
		100	0	21.19	1.61	20.65	<=34.77	Pass
64QAM	673	1	0	21.14	1.61	20.60	<=34.77	Pass
			50	21.11	1.61	20.57	<=34.77	Pass
			99	21.27	1.61	20.73	<=34.77	Pass
		50	0	19.96	1.61	19.42	<=34.77	Pass
			25	20.10	1.61	19.56	<=34.77	Pass
			50	19.98	1.61	19.44	<=34.77	Pass
		100	0	20.29	1.61	19.75	<=34.77	Pass
	683	1	0	21.33	1.61	20.79	<=34.77	Pass
			50	21.30	1.61	20.76	<=34.77	Pass
			99	21.10	1.61	20.56	<=34.77	Pass
		50	0	20.07	1.61	19.53	<=34.77	Pass
			25	20.10	1.61	19.56	<=34.77	Pass
			50	20.06	1.61	19.52	<=34.77	Pass



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	688	100	0	20.16	1.61	19.62	<=34.77	Pass
		1	0	21.27	1.61	20.73	<=34.77	Pass
			50	21.37	1.61	20.83	<=34.77	Pass
			99	21.03	1.61	20.49	<=34.77	Pass
		50	0	20.13	1.61	19.59	<=34.77	Pass
			25	20.13	1.61	19.59	<=34.77	Pass
			50	19.98	1.61	19.44	<=34.77	Pass
		100	0	20.21	1.61	19.67	<=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	Limit	
QPSK	665.5	25	0	20	3.3	-0.636	-0.0010	-2.5 to 2.5	Pass
					3.8	-0.451	-0.0007	-2.5 to 2.5	Pass
					4.3	-0.638	-0.0010	-2.5 to 2.5	Pass
				-30	3.8	-0.285	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	0.231	0.0003	-2.5 to 2.5	Pass
				-10	3.8	0.495	0.0007	-2.5 to 2.5	Pass
				0	3.8	-0.251	-0.0004	-2.5 to 2.5	Pass
				10	3.8	-0.678	-0.0010	-2.5 to 2.5	Pass
				30	3.8	0.344	0.0005	-2.5 to 2.5	Pass
				40	3.8	-0.339	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.776	-0.0012	-2.5 to 2.5	Pass
	680.5	25	0	20	3.3	-0.717	-0.0011	-2.5 to 2.5	Pass
					3.8	0.383	0.0006	-2.5 to 2.5	Pass
					4.3	-0.379	-0.0006	-2.5 to 2.5	Pass
				-30	3.8	-0.244	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.8	0.085	0.0001	-2.5 to 2.5	Pass
				0	3.8	-0.087	-0.0001	-2.5 to 2.5	Pass
				10	3.8	0.228	0.0003	-2.5 to 2.5	Pass
				30	3.8	-0.382	-0.0006	-2.5 to 2.5	Pass
				40	3.8	-1.242	-0.0018	-2.5 to 2.5	Pass
				50	3.8	0.402	0.0006	-2.5 to 2.5	Pass
	695.5	25	0	20	3.3	-0.154	-0.0002	-2.5 to 2.5	Pass
					3.8	-0.727	-0.0010	-2.5 to 2.5	Pass
					4.3	0.069	0.0001	-2.5 to 2.5	Pass
				-30	3.8	-1.153	-0.0017	-2.5 to 2.5	Pass
				-20	3.8	-0.315	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	0.073	0.0001	-2.5 to 2.5	Pass
				0	3.8	-0.775	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.861	-0.0012	-2.5 to 2.5	Pass
				30	3.8	-0.523	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-0.692	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.758	-0.0011	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.3	-0.768	-0.0012	-2.5 to 2.5	Pass
					3.8	0.139	0.0002	-2.5 to 2.5	Pass
					4.3	-0.531	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	1.003	0.0015	-2.5 to 2.5	Pass



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				-20	3.8	0.663	0.0010	-2.5 to 2.5	Pass
				-10	3.8	0.428	0.0006	-2.5 to 2.5	Pass
				0	3.8	1.369	0.0021	-2.5 to 2.5	Pass
				10	3.8	1.031	0.0015	-2.5 to 2.5	Pass
				30	3.8	1.089	0.0016	-2.5 to 2.5	Pass
				40	3.8	2.128	0.0032	-2.5 to 2.5	Pass
				50	3.8	2.403	0.0036	-2.5 to 2.5	Pass
	680.5	25	0	20	3.3	0.534	0.0008	-2.5 to 2.5	Pass
					3.8	0.429	0.0006	-2.5 to 2.5	Pass
					4.3	1.069	0.0016	-2.5 to 2.5	Pass
				-30	3.8	-0.128	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	0.292	0.0004	-2.5 to 2.5	Pass
				-10	3.8	0.015	0.0000	-2.5 to 2.5	Pass
				0	3.8	1.130	0.0017	-2.5 to 2.5	Pass
				10	3.8	0.704	0.0010	-2.5 to 2.5	Pass
				30	3.8	1.418	0.0021	-2.5 to 2.5	Pass
				40	3.8	1.345	0.0020	-2.5 to 2.5	Pass
				50	3.8	1.167	0.0017	-2.5 to 2.5	Pass
	695.5	25	0	20	3.3	-0.115	-0.0002	-2.5 to 2.5	Pass
					3.8	-0.511	-0.0007	-2.5 to 2.5	Pass
					4.3	-0.152	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.578	-0.0008	-2.5 to 2.5	Pass
				-20	3.8	-0.896	-0.0013	-2.5 to 2.5	Pass
				-10	3.8	-0.184	-0.0003	-2.5 to 2.5	Pass
				0	3.8	-0.498	-0.0007	-2.5 to 2.5	Pass
				10	3.8	-0.212	-0.0003	-2.5 to 2.5	Pass
				30	3.8	-0.873	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.370	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.075	-0.0001	-2.5 to 2.5	Pass
64QAM	665.5	25	0	20	3.3	2.751	0.0041	-2.5 to 2.5	Pass
					3.8	2.463	0.0037	-2.5 to 2.5	Pass
					4.3	1.702	0.0026	-2.5 to 2.5	Pass
				-30	3.8	0.609	0.0009	-2.5 to 2.5	Pass
				-20	3.8	1.608	0.0024	-2.5 to 2.5	Pass
				-10	3.8	1.704	0.0026	-2.5 to 2.5	Pass
				0	3.8	0.940	0.0014	-2.5 to 2.5	Pass
				10	3.8	0.430	0.0006	-2.5 to 2.5	Pass
				30	3.8	-0.023	0.0000	-2.5 to 2.5	Pass
				40	3.8	-0.415	-0.0006	-2.5 to 2.5	Pass
	680.5	25	0	20	3.3	1.253	0.0018	-2.5 to 2.5	Pass
					3.8	0.723	0.0011	-2.5 to 2.5	Pass
					4.3	0.648	0.0010	-2.5 to 2.5	Pass
				-30	3.8	1.517	0.0022	-2.5 to 2.5	Pass
				-20	3.8	1.532	0.0023	-2.5 to 2.5	Pass
				-10	3.8	1.756	0.0026	-2.5 to 2.5	Pass
				0	3.8	0.515	0.0008	-2.5 to 2.5	Pass
				10	3.8	0.003	0.0000	-2.5 to 2.5	Pass



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				30	3.8	0.290	0.0004	-2.5 to 2.5	Pass
				40	3.8	-0.446	-0.0007	-2.5 to 2.5	Pass
				50	3.8	-0.095	-0.0001	-2.5 to 2.5	Pass
				20	3.3	-0.886	-0.0013	-2.5 to 2.5	Pass
					3.8	-1.283	-0.0018	-2.5 to 2.5	Pass
					4.3	0.114	0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.716	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-1.077	-0.0015	-2.5 to 2.5	Pass
				-10	3.8	-1.902	-0.0027	-2.5 to 2.5	Pass
				0	3.8	-0.155	-0.0002	-2.5 to 2.5	Pass
				10	3.8	-0.643	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-0.305	-0.0004	-2.5 to 2.5	Pass
				40	3.8	-0.702	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.602	-0.0009	-2.5 to 2.5	Pass

2.2 B71_10MHz

2.2.1 Test Result

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.3	-0.835	-0.0013	-2.5 to 2.5	Pass
					3.8	-0.505	-0.0008	-2.5 to 2.5	Pass
					4.3	-1.184	-0.0018	-2.5 to 2.5	Pass
				-30	3.8	-0.995	-0.0015	-2.5 to 2.5	Pass
				-20	3.8	-2.036	-0.0030	-2.5 to 2.5	Pass
				-10	3.8	-1.268	-0.0019	-2.5 to 2.5	Pass
				0	3.8	-1.270	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-0.805	-0.0012	-2.5 to 2.5	Pass
				30	3.8	-0.898	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-1.197	-0.0018	-2.5 to 2.5	Pass
				50	3.8	-0.057	-0.0001	-2.5 to 2.5	Pass
	680.5	50	0	20	3.3	0.914	0.0013	-2.5 to 2.5	Pass
					3.8	1.384	0.0020	-2.5 to 2.5	Pass
					4.3	0.360	0.0005	-2.5 to 2.5	Pass
				-30	3.8	-0.456	-0.0007	-2.5 to 2.5	Pass
				-20	3.8	0.305	0.0004	-2.5 to 2.5	Pass
				-10	3.8	0.302	0.0004	-2.5 to 2.5	Pass
				0	3.8	-0.476	-0.0007	-2.5 to 2.5	Pass
				10	3.8	0.204	0.0003	-2.5 to 2.5	Pass
				30	3.8	-0.617	-0.0009	-2.5 to 2.5	Pass
				40	3.8	-0.029	0.0000	-2.5 to 2.5	Pass
				50	3.8	0.530	0.0008	-2.5 to 2.5	Pass
	693	50	0	20	3.3	-0.607	-0.0009	-2.5 to 2.5	Pass
					3.8	-1.445	-0.0021	-2.5 to 2.5	Pass



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					4.3	-1.891	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-0.290	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	-1.296	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-1.365	-0.0020	-2.5 to 2.5	Pass
				0	3.8	-1.101	-0.0016	-2.5 to 2.5	Pass
				10	3.8	-0.829	-0.0012	-2.5 to 2.5	Pass
				30	3.8	-1.810	-0.0026	-2.5 to 2.5	Pass
				40	3.8	-1.758	-0.0025	-2.5 to 2.5	Pass
				50	3.8	-1.163	-0.0017	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.3	-1.150	-0.0017	-2.5 to 2.5	Pass
					3.8	-1.145	-0.0017	-2.5 to 2.5	Pass
					4.3	-1.292	-0.0019	-2.5 to 2.5	Pass
				-30	3.8	-1.374	-0.0021	-2.5 to 2.5	Pass
				-20	3.8	-1.510	-0.0023	-2.5 to 2.5	Pass
				-10	3.8	-1.499	-0.0022	-2.5 to 2.5	Pass
				0	3.8	-1.392	-0.0021	-2.5 to 2.5	Pass
				10	3.8	-1.177	-0.0018	-2.5 to 2.5	Pass
				30	3.8	-2.057	-0.0031	-2.5 to 2.5	Pass
				40	3.8	-1.782	-0.0027	-2.5 to 2.5	Pass
				50	3.8	-1.685	-0.0025	-2.5 to 2.5	Pass
	680.5	50	0	20	3.3	-0.929	-0.0014	-2.5 to 2.5	Pass
					3.8	-0.185	-0.0003	-2.5 to 2.5	Pass
					4.3	-0.646	-0.0009	-2.5 to 2.5	Pass
				-30	3.8	-0.138	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	-1.646	-0.0024	-2.5 to 2.5	Pass
				-10	3.8	0.005	0.0000	-2.5 to 2.5	Pass
				0	3.8	-1.326	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-0.948	-0.0014	-2.5 to 2.5	Pass
				30	3.8	-0.709	-0.0010	-2.5 to 2.5	Pass
				40	3.8	-1.257	-0.0018	-2.5 to 2.5	Pass
				50	3.8	-0.914	-0.0013	-2.5 to 2.5	Pass
	693	50	0	20	3.3	-1.260	-0.0018	-2.5 to 2.5	Pass
					3.8	-1.418	-0.0020	-2.5 to 2.5	Pass
					4.3	-1.808	-0.0026	-2.5 to 2.5	Pass
				-30	3.8	-1.282	-0.0018	-2.5 to 2.5	Pass
				-20	3.8	-1.782	-0.0026	-2.5 to 2.5	Pass
				-10	3.8	0.012	0.0000	-2.5 to 2.5	Pass
				0	3.8	-2.108	-0.0030	-2.5 to 2.5	Pass
				10	3.8	-1.389	-0.0020	-2.5 to 2.5	Pass
				30	3.8	-1.461	-0.0021	-2.5 to 2.5	Pass
				40	3.8	-0.613	-0.0009	-2.5 to 2.5	Pass
				50	3.8	-1.854	-0.0027	-2.5 to 2.5	Pass
64QAM	668	50	0	20	3.3	-1.901	-0.0028	-2.5 to 2.5	Pass
					3.8	-2.028	-0.0030	-2.5 to 2.5	Pass
					4.3	-1.975	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	-1.465	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	-2.176	-0.0033	-2.5 to 2.5	Pass
				-10	3.8	-1.608	-0.0024	-2.5 to 2.5	Pass



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				0	3.8	-1.673	-0.0025	-2.5 to 2.5	Pass
				10	3.8	-1.526	-0.0023	-2.5 to 2.5	Pass
				30	3.8	-2.454	-0.0037	-2.5 to 2.5	Pass
				40	3.8	-1.591	-0.0024	-2.5 to 2.5	Pass
				50	3.8	-0.766	-0.0011	-2.5 to 2.5	Pass
	680.5	50	0	20	3.3	-0.216	-0.0003	-2.5 to 2.5	Pass
					3.8	-0.405	-0.0006	-2.5 to 2.5	Pass
					4.3	-0.085	-0.0001	-2.5 to 2.5	Pass
				-30	3.8	0.001	0.0000	-2.5 to 2.5	Pass
				-20	3.8	-1.172	-0.0017	-2.5 to 2.5	Pass
				-10	3.8	-0.694	-0.0010	-2.5 to 2.5	Pass
				0	3.8	-0.664	-0.0010	-2.5 to 2.5	Pass
				10	3.8	-0.303	-0.0004	-2.5 to 2.5	Pass
				30	3.8	-0.224	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-0.679	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.959	-0.0014	-2.5 to 2.5	Pass
	693	50	0	20	3.3	-1.339	-0.0019	-2.5 to 2.5	Pass
					3.8	-0.150	-0.0002	-2.5 to 2.5	Pass
					4.3	-1.907	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	-1.834	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-1.227	-0.0018	-2.5 to 2.5	Pass
				-10	3.8	-0.684	-0.0010	-2.5 to 2.5	Pass
				0	3.8	-1.580	-0.0023	-2.5 to 2.5	Pass
				10	3.8	-0.852	-0.0012	-2.5 to 2.5	Pass
				30	3.8	-1.875	-0.0027	-2.5 to 2.5	Pass
				40	3.8	-0.958	-0.0014	-2.5 to 2.5	Pass
				50	3.8	-1.329	-0.0019	-2.5 to 2.5	Pass

2.3 B71_15MHz

2.3.1 Test Result

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	3.3	-0.619	-0.0009	-2.5 to 2.5	Pass
					3.8	-1.898	-0.0028	-2.5 to 2.5	Pass
					4.3	-1.660	-0.0025	-2.5 to 2.5	Pass
				-30	3.8	-0.926	-0.0014	-2.5 to 2.5	Pass
				-20	3.8	-1.383	-0.0021	-2.5 to 2.5	Pass
				-10	3.8	-0.763	-0.0011	-2.5 to 2.5	Pass
				0	3.8	-1.054	-0.0016	-2.5 to 2.5	Pass
				10	3.8	-0.955	-0.0014	-2.5 to 2.5	Pass
				30	3.8	-0.950	-0.0014	-2.5 to 2.5	Pass
				40	3.8	-0.365	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.768	-0.0011	-2.5 to 2.5	Pass



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16QAM	680.5	75	0	20	3.3	-1.483	-0.0022	-2.5 to 2.5	Pass
					3.8	-0.695	-0.0010	-2.5 to 2.5	Pass
					4.3	-0.922	-0.0014	-2.5 to 2.5	Pass
				-30	3.8	-1.306	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-1.182	-0.0017	-2.5 to 2.5	Pass
				-10	3.8	-1.019	-0.0015	-2.5 to 2.5	Pass
				0	3.8	-0.733	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.536	-0.0008	-2.5 to 2.5	Pass
				30	3.8	-1.130	-0.0017	-2.5 to 2.5	Pass
				40	3.8	-0.218	-0.0003	-2.5 to 2.5	Pass
				50	3.8	-0.853	-0.0013	-2.5 to 2.5	Pass
	690.5	75	0	20	3.3	-1.693	-0.0025	-2.5 to 2.5	Pass
					3.8	-1.366	-0.0020	-2.5 to 2.5	Pass
					4.3	-1.110	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-0.603	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	0.115	0.0002	-2.5 to 2.5	Pass
				-10	3.8	-1.149	-0.0017	-2.5 to 2.5	Pass
				0	3.8	-1.091	-0.0016	-2.5 to 2.5	Pass
				10	3.8	-1.488	-0.0022	-2.5 to 2.5	Pass
				30	3.8	-0.208	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-0.382	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-0.935	-0.0014	-2.5 to 2.5	Pass
	670.5	75	0	20	3.3	-0.096	-0.0001	-2.5 to 2.5	Pass
					3.8	-0.855	-0.0013	-2.5 to 2.5	Pass
					4.3	-1.821	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-1.044	-0.0016	-2.5 to 2.5	Pass
				-20	3.8	-0.830	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	-0.596	-0.0009	-2.5 to 2.5	Pass
				0	3.8	-1.612	-0.0024	-2.5 to 2.5	Pass
				10	3.8	-0.880	-0.0013	-2.5 to 2.5	Pass
				30	3.8	-1.287	-0.0019	-2.5 to 2.5	Pass
				40	3.8	-0.691	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.684	-0.0010	-2.5 to 2.5	Pass
	680.5	75	0	20	3.3	-1.399	-0.0021	-2.5 to 2.5	Pass
					3.8	-1.852	-0.0027	-2.5 to 2.5	Pass
					4.3	-1.072	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-0.978	-0.0014	-2.5 to 2.5	Pass
				-20	3.8	-1.660	-0.0024	-2.5 to 2.5	Pass
				-10	3.8	-0.473	-0.0007	-2.5 to 2.5	Pass
				0	3.8	-1.070	-0.0016	-2.5 to 2.5	Pass
				10	3.8	-1.202	-0.0018	-2.5 to 2.5	Pass
				30	3.8	-1.684	-0.0025	-2.5 to 2.5	Pass
				40	3.8	-0.834	-0.0012	-2.5 to 2.5	Pass
				50	3.8	-0.494	-0.0007	-2.5 to 2.5	Pass
	690.5	75	0	20	3.3	-0.484	-0.0007	-2.5 to 2.5	Pass
					3.8	0.012	0.0000	-2.5 to 2.5	Pass
					4.3	-0.755	-0.0011	-2.5 to 2.5	Pass
				-30	3.8	-0.916	-0.0013	-2.5 to 2.5	Pass



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				-20	3.8	-1.373	-0.0020	-2.5 to 2.5	Pass
				-10	3.8	-0.080	-0.0001	-2.5 to 2.5	Pass
				0	3.8	0.033	0.0000	-2.5 to 2.5	Pass
				10	3.8	-0.965	-0.0014	-2.5 to 2.5	Pass
				30	3.8	-0.466	-0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.442	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-1.011	-0.0015	-2.5 to 2.5	Pass
64QAM	670.5	75	0	20	3.3	-0.687	-0.0010	-2.5 to 2.5	Pass
					3.8	-0.993	-0.0015	-2.5 to 2.5	Pass
					4.3	-1.868	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	-0.412	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	-1.191	-0.0018	-2.5 to 2.5	Pass
				-10	3.8	-1.120	-0.0017	-2.5 to 2.5	Pass
				0	3.8	-0.825	-0.0012	-2.5 to 2.5	Pass
				10	3.8	0.011	0.0000	-2.5 to 2.5	Pass
				30	3.8	-1.714	-0.0026	-2.5 to 2.5	Pass
				40	3.8	-1.344	-0.0020	-2.5 to 2.5	Pass
				50	3.8	-0.825	-0.0012	-2.5 to 2.5	Pass
	680.5	75	0	20	3.3	-0.103	-0.0002	-2.5 to 2.5	Pass
					3.8	-1.108	-0.0016	-2.5 to 2.5	Pass
					4.3	-0.998	-0.0015	-2.5 to 2.5	Pass
				-30	3.8	-1.127	-0.0017	-2.5 to 2.5	Pass
				-20	3.8	-0.732	-0.0011	-2.5 to 2.5	Pass
				-10	3.8	-0.178	-0.0003	-2.5 to 2.5	Pass
				0	3.8	-1.025	-0.0015	-2.5 to 2.5	Pass
				10	3.8	-0.581	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.104	-0.0016	-2.5 to 2.5	Pass
				40	3.8	-0.880	-0.0013	-2.5 to 2.5	Pass
				50	3.8	-1.069	-0.0016	-2.5 to 2.5	Pass
	690.5	75	0	20	3.3	-0.165	-0.0002	-2.5 to 2.5	Pass
					3.8	0.420	0.0006	-2.5 to 2.5	Pass
					4.3	-0.028	0.0000	-2.5 to 2.5	Pass
				-30	3.8	-0.890	-0.0013	-2.5 to 2.5	Pass
				-20	3.8	-0.073	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	-0.195	-0.0003	-2.5 to 2.5	Pass
				0	3.8	-2.122	-0.0031	-2.5 to 2.5	Pass
				10	3.8	-0.022	0.0000	-2.5 to 2.5	Pass
				30	3.8	-0.785	-0.0011	-2.5 to 2.5	Pass
				40	3.8	0.574	0.0008	-2.5 to 2.5	Pass
				50	3.8	-1.713	-0.0025	-2.5 to 2.5	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	Limit	
QPSK	673	100	0	20	3.3	-0.333	-0.0005	-2.5 to 2.5	Pass
					3.8	-0.331	-0.0005	-2.5 to 2.5	Pass
					4.3	-1.156	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-0.133	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	-1.012	-0.0015	-2.5 to 2.5	Pass
				-10	3.8	-0.601	-0.0009	-2.5 to 2.5	Pass
				0	3.8	-0.738	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.486	-0.0007	-2.5 to 2.5	Pass
				30	3.8	-0.895	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.390	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-1.247	-0.0019	-2.5 to 2.5	Pass
	683	100	0	20	3.3	-1.143	-0.0017	-2.5 to 2.5	Pass
					3.8	-0.257	-0.0004	-2.5 to 2.5	Pass
					4.3	-2.322	-0.0034	-2.5 to 2.5	Pass
				-30	3.8	-0.509	-0.0007	-2.5 to 2.5	Pass
				-20	3.8	-0.975	-0.0014	-2.5 to 2.5	Pass
				-10	3.8	-1.286	-0.0019	-2.5 to 2.5	Pass
				0	3.8	-2.137	-0.0031	-2.5 to 2.5	Pass
				10	3.8	-0.666	-0.0010	-2.5 to 2.5	Pass
				30	3.8	-1.602	-0.0023	-2.5 to 2.5	Pass
				40	3.8	-1.240	-0.0018	-2.5 to 2.5	Pass
				50	3.8	-0.995	-0.0015	-2.5 to 2.5	Pass
	688	100	0	20	3.3	-0.919	-0.0013	-2.5 to 2.5	Pass
					3.8	-1.326	-0.0019	-2.5 to 2.5	Pass
					4.3	-0.501	-0.0007	-2.5 to 2.5	Pass
				-30	3.8	-1.003	-0.0015	-2.5 to 2.5	Pass
				-20	3.8	-0.663	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-1.040	-0.0015	-2.5 to 2.5	Pass
				0	3.8	-1.190	-0.0017	-2.5 to 2.5	Pass
				10	3.8	-0.533	-0.0008	-2.5 to 2.5	Pass
				30	3.8	-0.507	-0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.801	-0.0012	-2.5 to 2.5	Pass
				50	3.8	-1.837	-0.0027	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.3	-1.341	-0.0020	-2.5 to 2.5	Pass
					3.8	-0.465	-0.0007	-2.5 to 2.5	Pass
					4.3	-0.370	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	-2.209	-0.0033	-2.5 to 2.5	Pass
				-20	3.8	-1.419	-0.0021	-2.5 to 2.5	Pass
				-10	3.8	-0.870	-0.0013	-2.5 to 2.5	Pass
				0	3.8	-0.941	-0.0014	-2.5 to 2.5	Pass



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64QAM	683	100	0	10	3.8	-1.226	-0.0018	-2.5 to 2.5	Pass
				30	3.8	-0.889	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.586	-0.0009	-2.5 to 2.5	Pass
				50	3.8	-0.052	-0.0001	-2.5 to 2.5	Pass
				20	3.3	-1.198	-0.0018	-2.5 to 2.5	Pass
					3.8	-0.833	-0.0012	-2.5 to 2.5	Pass
					4.3	-0.083	-0.0001	-2.5 to 2.5	Pass
				-30	3.8	-1.914	-0.0028	-2.5 to 2.5	Pass
				-20	3.8	-1.723	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-1.781	-0.0026	-2.5 to 2.5	Pass
				0	3.8	-0.656	-0.0010	-2.5 to 2.5	Pass
				10	3.8	-1.533	-0.0022	-2.5 to 2.5	Pass
	688	100	0	30	3.8	-1.419	-0.0021	-2.5 to 2.5	Pass
				40	3.8	-2.083	-0.0030	-2.5 to 2.5	Pass
				50	3.8	-0.163	-0.0002	-2.5 to 2.5	Pass
				20	3.3	0.235	0.0003	-2.5 to 2.5	Pass
					3.8	-0.115	-0.0002	-2.5 to 2.5	Pass
					4.3	-1.272	-0.0018	-2.5 to 2.5	Pass
				-30	3.8	-0.611	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.247	-0.0004	-2.5 to 2.5	Pass
				-10	3.8	-1.212	-0.0018	-2.5 to 2.5	Pass
				0	3.8	-0.533	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-0.762	-0.0011	-2.5 to 2.5	Pass
64QAM	673	100	0	30	3.8	-0.471	-0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.697	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-1.108	-0.0016	-2.5 to 2.5	Pass
				20	3.3	-1.183	-0.0018	-2.5 to 2.5	Pass
					3.8	-0.806	-0.0012	-2.5 to 2.5	Pass
					4.3	-0.539	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	-0.875	-0.0013	-2.5 to 2.5	Pass
				-20	3.8	-0.352	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-1.447	-0.0022	-2.5 to 2.5	Pass
				0	3.8	-0.539	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-0.614	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.717	-0.0026	-2.5 to 2.5	Pass
	683	100	0	40	3.8	-1.110	-0.0016	-2.5 to 2.5	Pass
				50	3.8	-0.851	-0.0013	-2.5 to 2.5	Pass
				20	3.3	-0.530	-0.0008	-2.5 to 2.5	Pass
					3.8	-0.718	-0.0011	-2.5 to 2.5	Pass
					4.3	-1.005	-0.0015	-2.5 to 2.5	Pass
				-30	3.8	-0.864	-0.0013	-2.5 to 2.5	Pass
				-20	3.8	-1.083	-0.0016	-2.5 to 2.5	Pass
				-10	3.8	-0.541	-0.0008	-2.5 to 2.5	Pass
				0	3.8	-1.604	-0.0023	-2.5 to 2.5	Pass
				10	3.8	-0.243	-0.0004	-2.5 to 2.5	Pass
				30	3.8	-0.626	-0.0009	-2.5 to 2.5	Pass
				40	3.8	-1.352	-0.0020	-2.5 to 2.5	Pass
				50	3.8	-1.167	-0.0017	-2.5 to 2.5	Pass



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688	100	0	20	3.3	-1.036	-0.0015	-2.5 to 2.5	Pass
				3.8	-0.689	-0.0010	-2.5 to 2.5	Pass
				4.3	-0.809	-0.0012	-2.5 to 2.5	Pass
			-30	3.8	0.342	0.0005	-2.5 to 2.5	Pass
			-20	3.8	-1.620	-0.0024	-2.5 to 2.5	Pass
			-10	3.8	-0.664	-0.0010	-2.5 to 2.5	Pass
			0	3.8	-0.628	-0.0009	-2.5 to 2.5	Pass
			10	3.8	-1.825	-0.0027	-2.5 to 2.5	Pass
			30	3.8	-1.160	-0.0017	-2.5 to 2.5	Pass
			40	3.8	-1.171	-0.0017	-2.5 to 2.5	Pass
			50	3.8	-0.717	-0.0010	-2.5 to 2.5	Pass



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3. 99% & 26dB Bandwidth

3.1 Band71_OBW

3.1.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.585	/	Pass
		680.5	25	0	4.561	/	Pass
		695.5	25	0	4.589	/	Pass
	16QAM	665.5	25	0	4.566	/	Pass
		680.5	25	0	4.556	/	Pass
		695.5	25	0	4.579	/	Pass
	64QAM	665.5	25	0	4.569	/	Pass
		680.5	25	0	4.563	/	Pass
		695.5	25	0	4.586	/	Pass
10	QPSK	668	50	0	9.026	/	Pass
		680.5	50	0	9.042	/	Pass
		693	50	0	9.096	/	Pass
	16QAM	668	50	0	9.064	/	Pass
		680.5	50	0	9.064	/	Pass
		693	50	0	9.115	/	Pass
	64QAM	668	50	0	9.065	/	Pass
		680.5	50	0	9.058	/	Pass
		693	50	0	9.057	/	Pass
15	QPSK	670.5	75	0	13.552	/	Pass
		680.5	75	0	13.583	/	Pass
		690.5	75	0	13.602	/	Pass
	16QAM	670.5	75	0	13.552	/	Pass
		680.5	75	0	13.611	/	Pass
		690.5	75	0	13.628	/	Pass
	64QAM	670.5	75	0	13.532	/	Pass
		680.5	75	0	13.565	/	Pass
		690.5	75	0	13.621	/	Pass
20	QPSK	673	100	0	18.020	/	Pass
		683	100	0	18.033	/	Pass
		688	100	0	18.077	/	Pass
	16QAM	673	100	0	18.068	/	Pass
		683	100	0	18.078	/	Pass
		688	100	0	18.129	/	Pass
	64QAM	673	100	0	17.898	/	Pass
		683	100	0	18.032	/	Pass
		688	100	0	18.059	/	Pass



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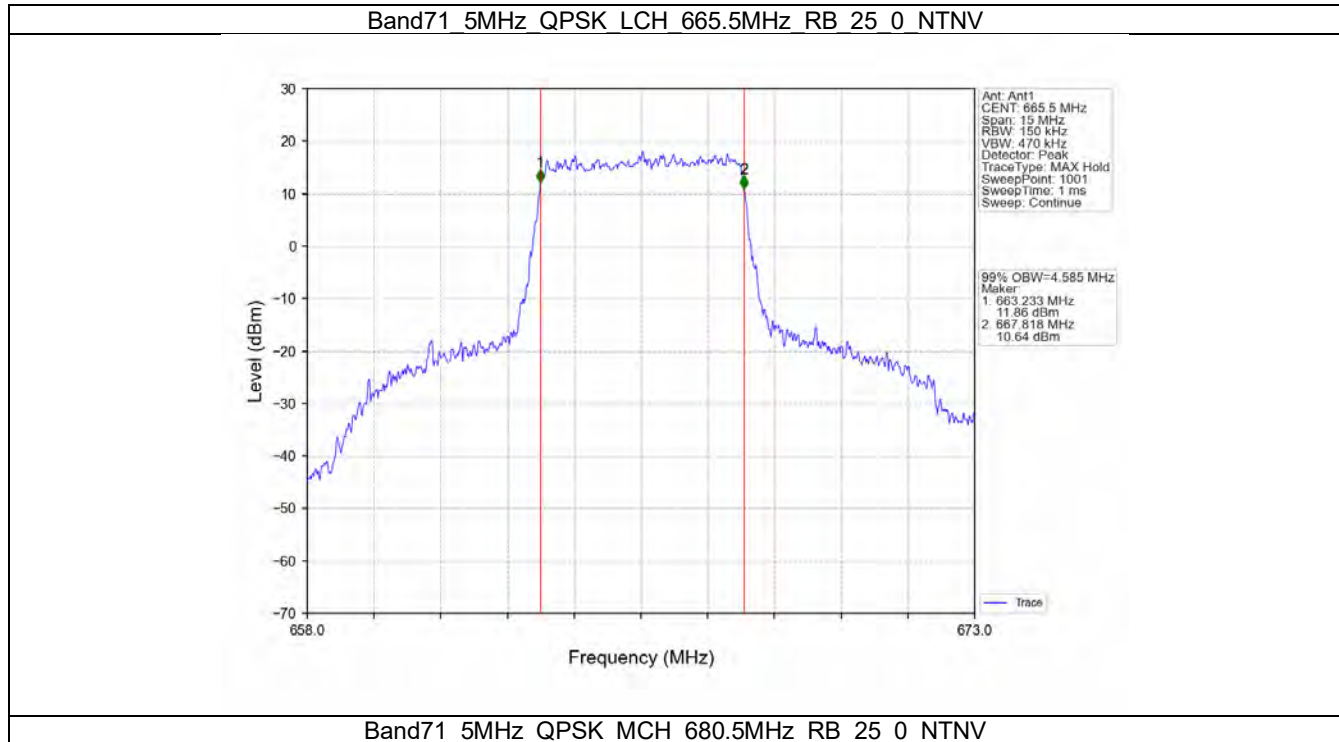
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3.1.2 Test Graph



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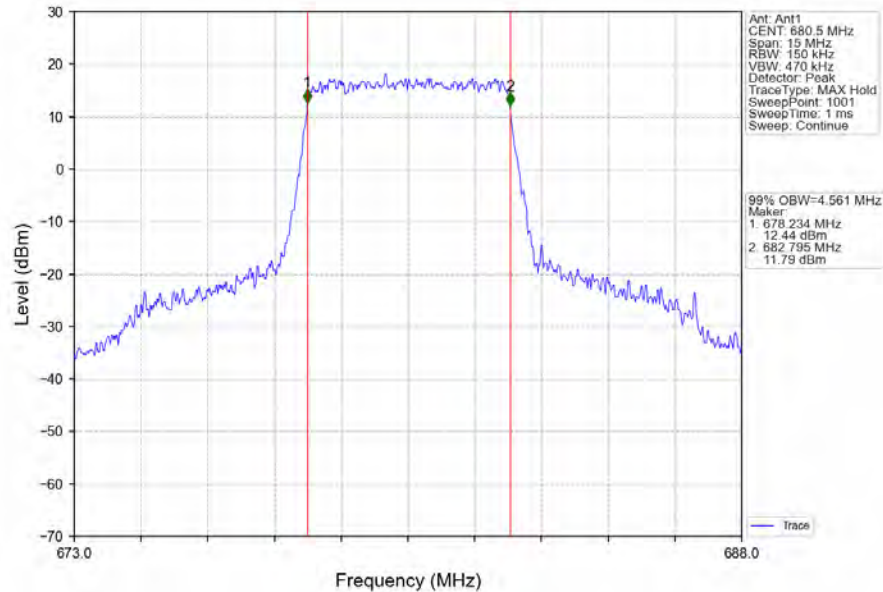


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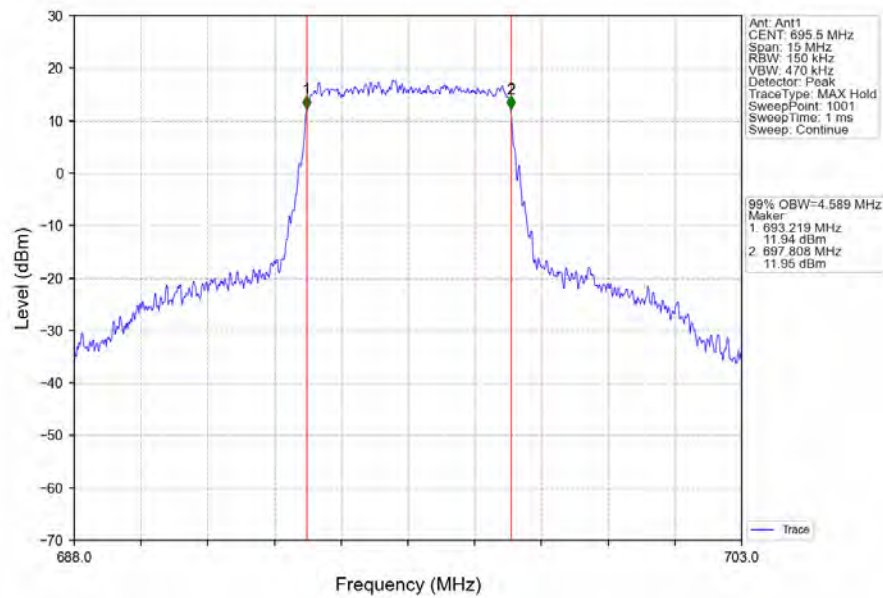
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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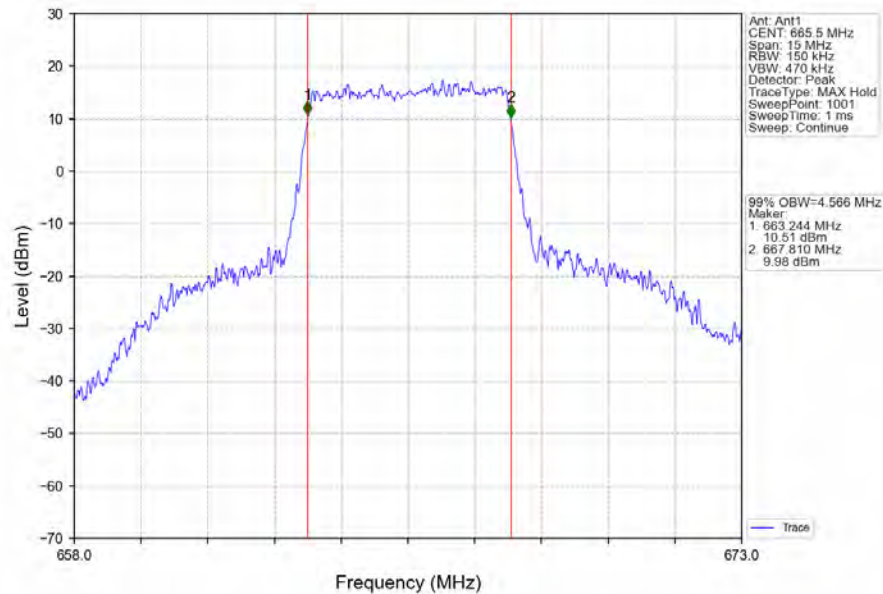


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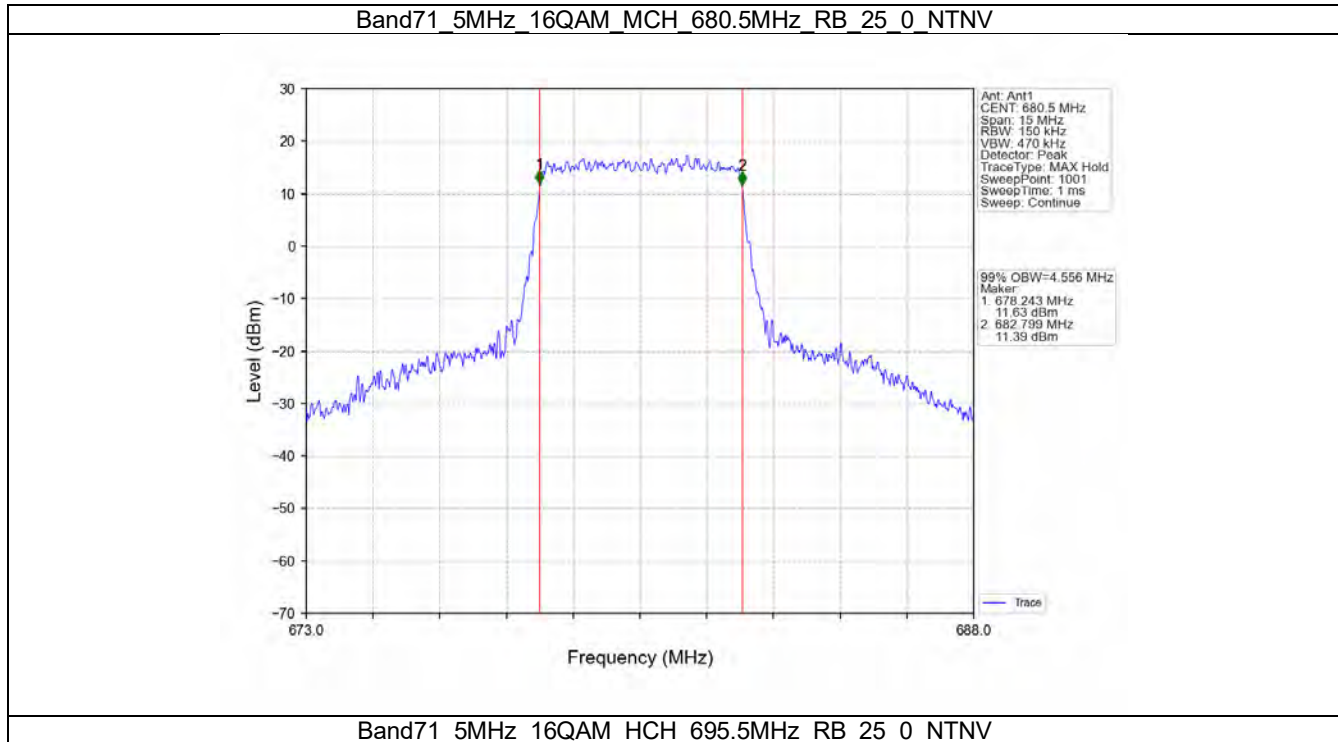


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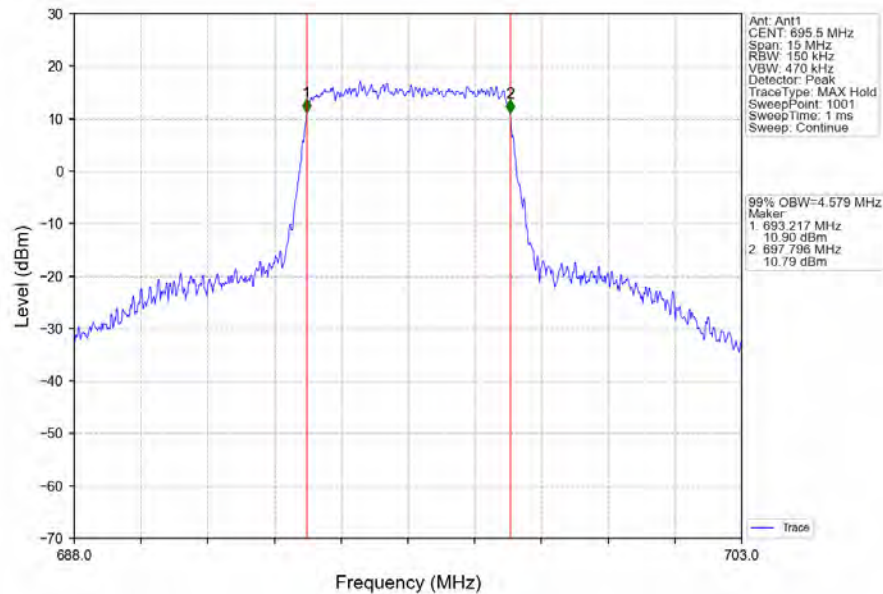


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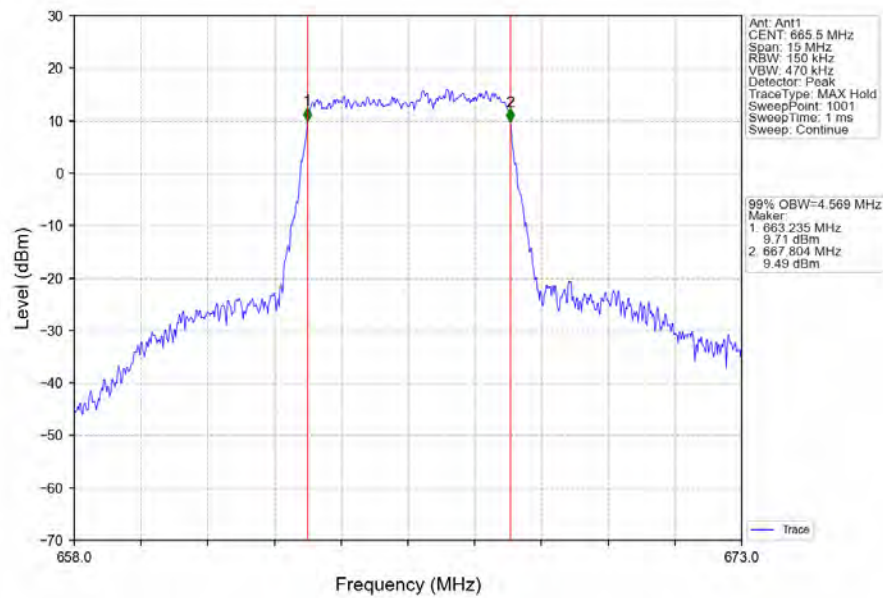
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Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



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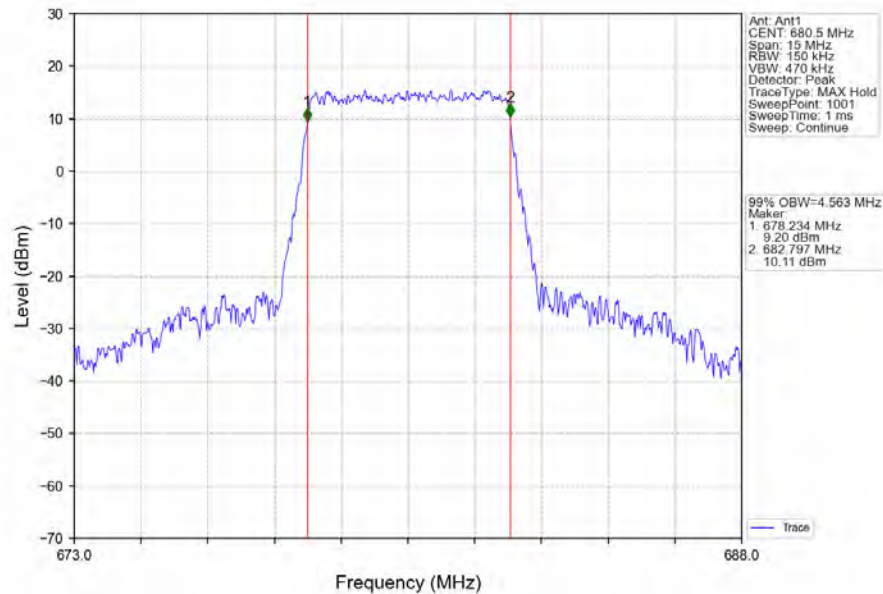


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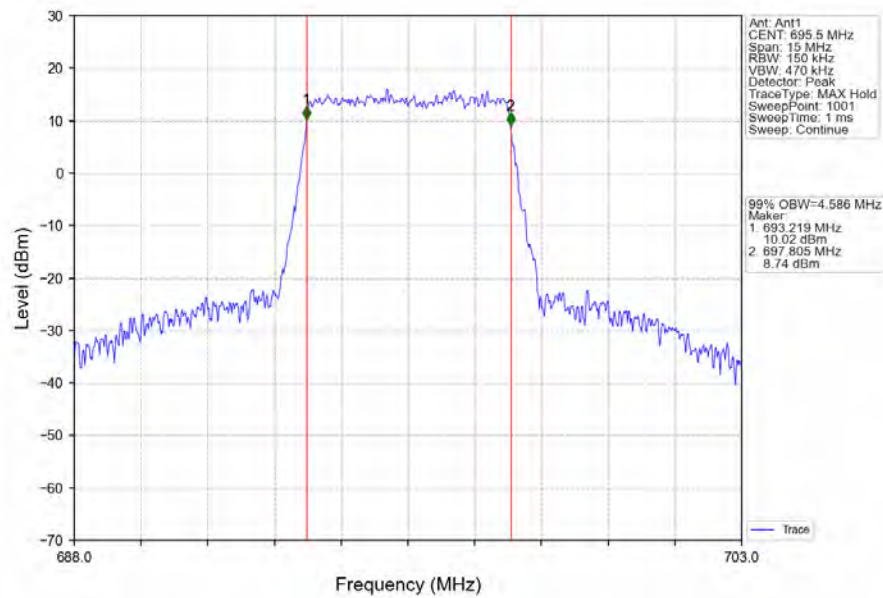
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Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



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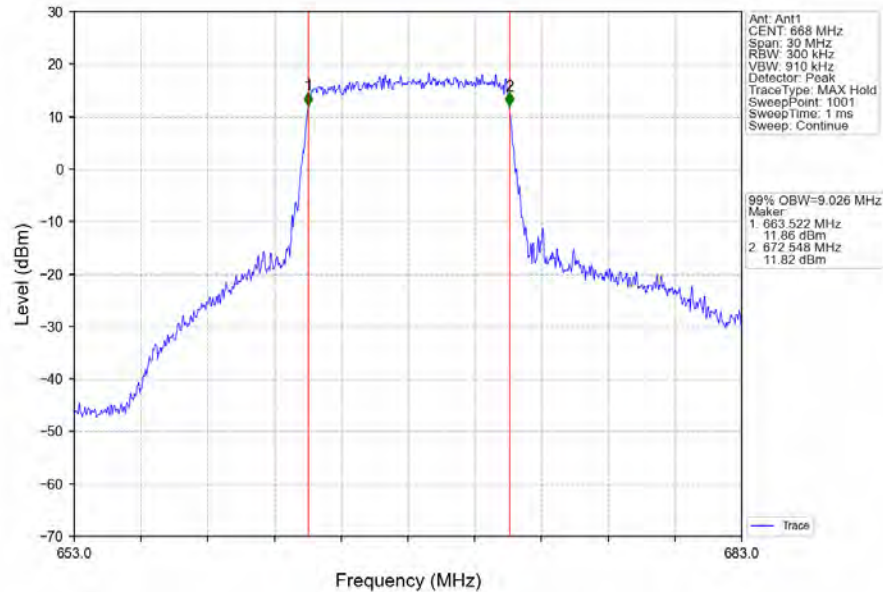


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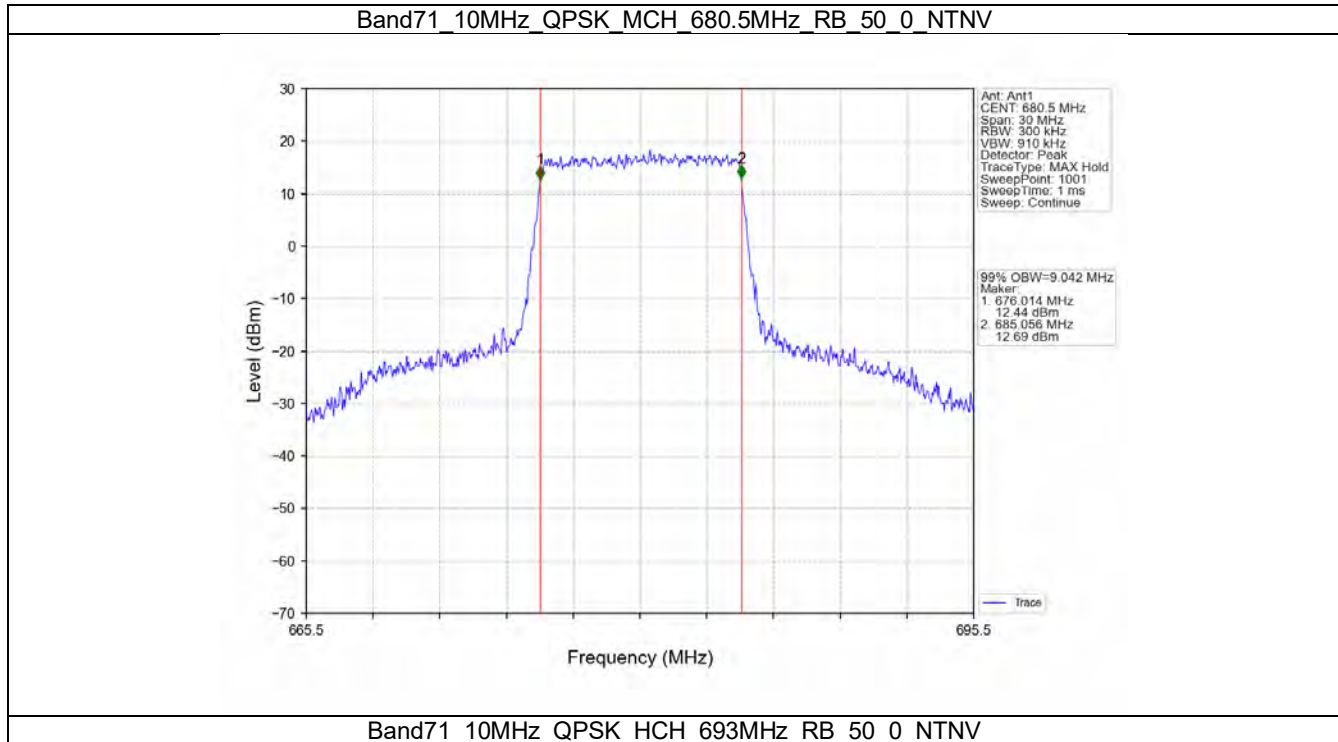


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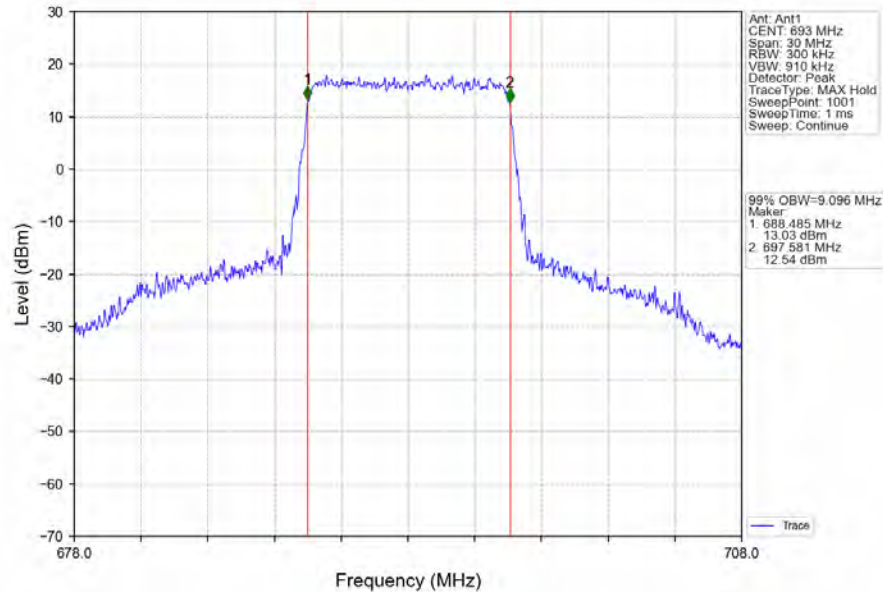


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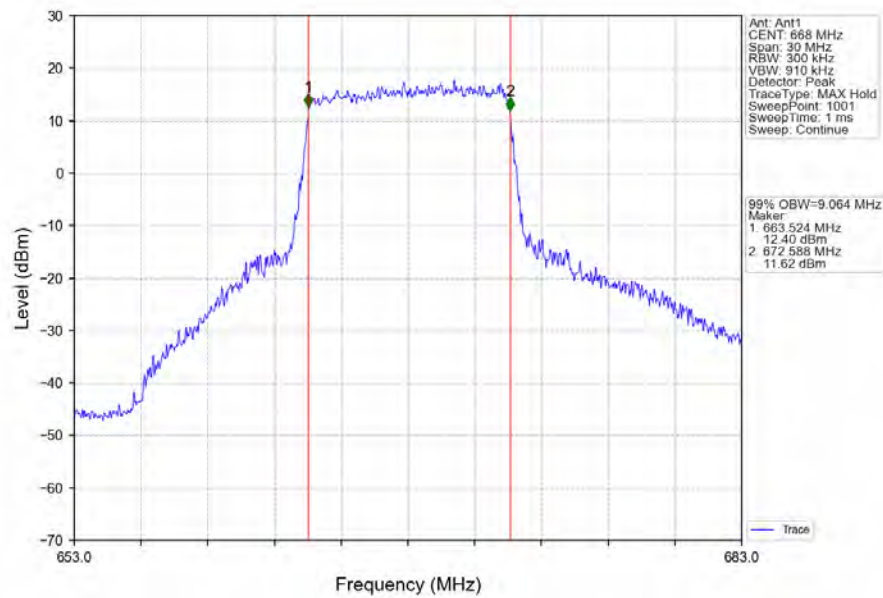
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Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



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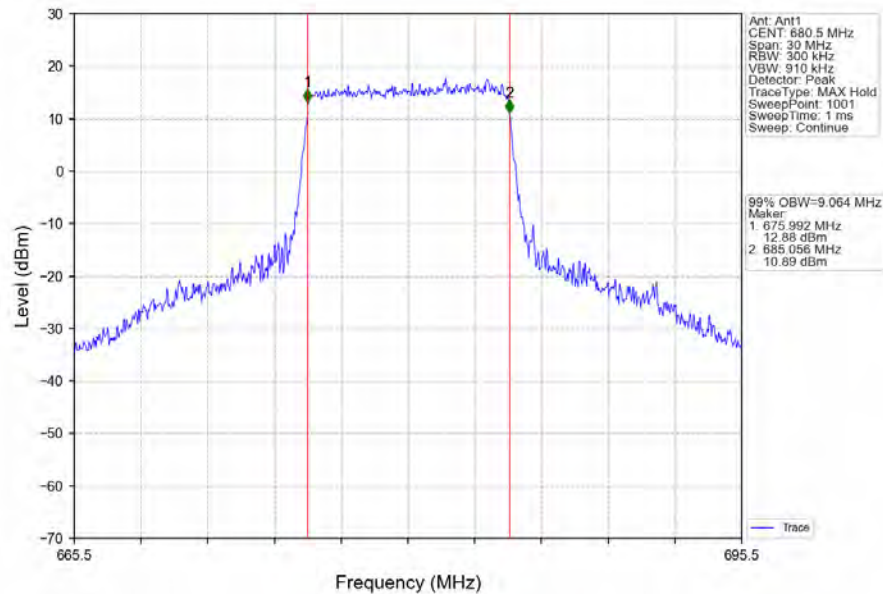


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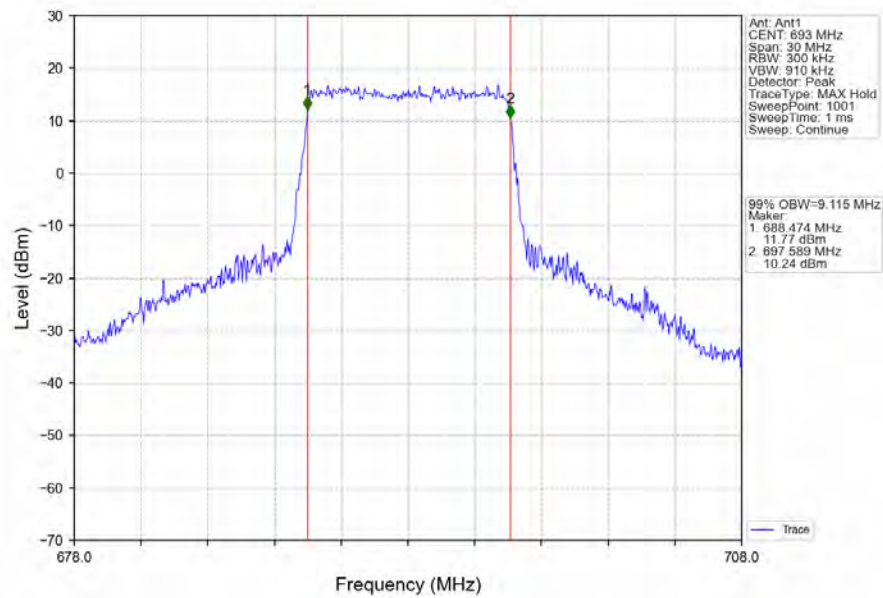
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Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



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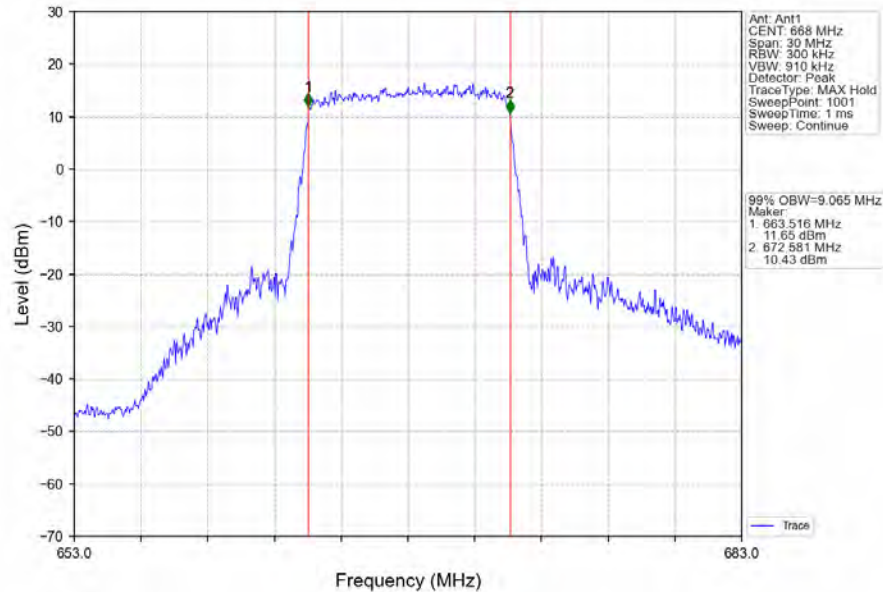


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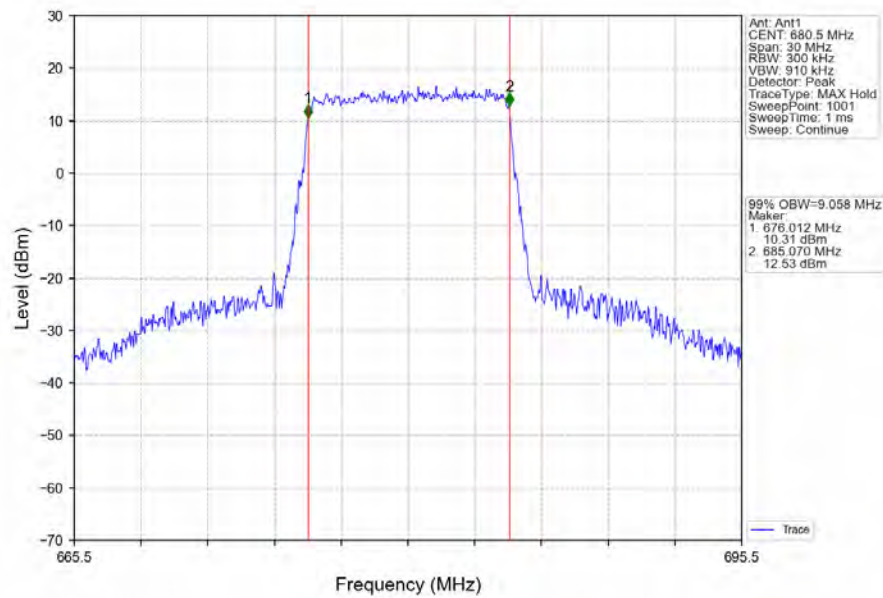
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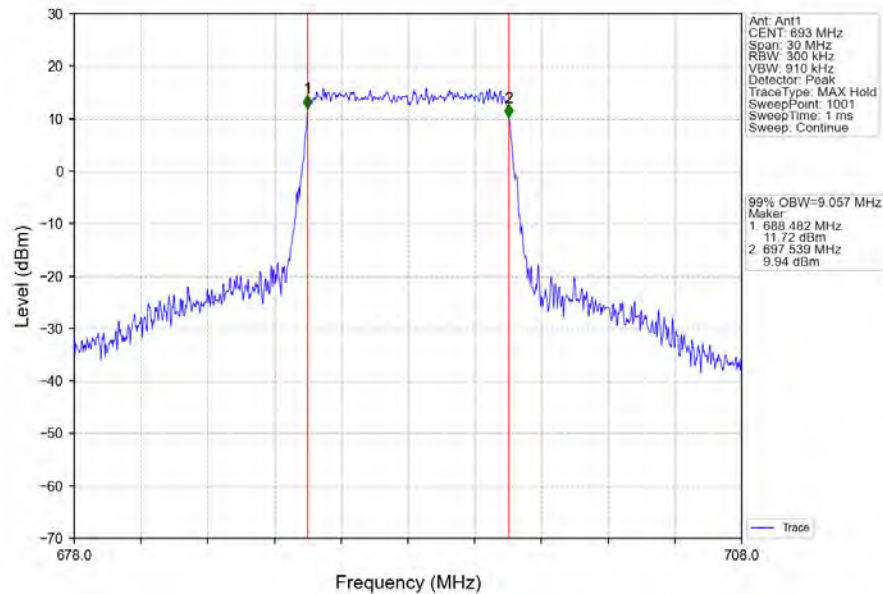


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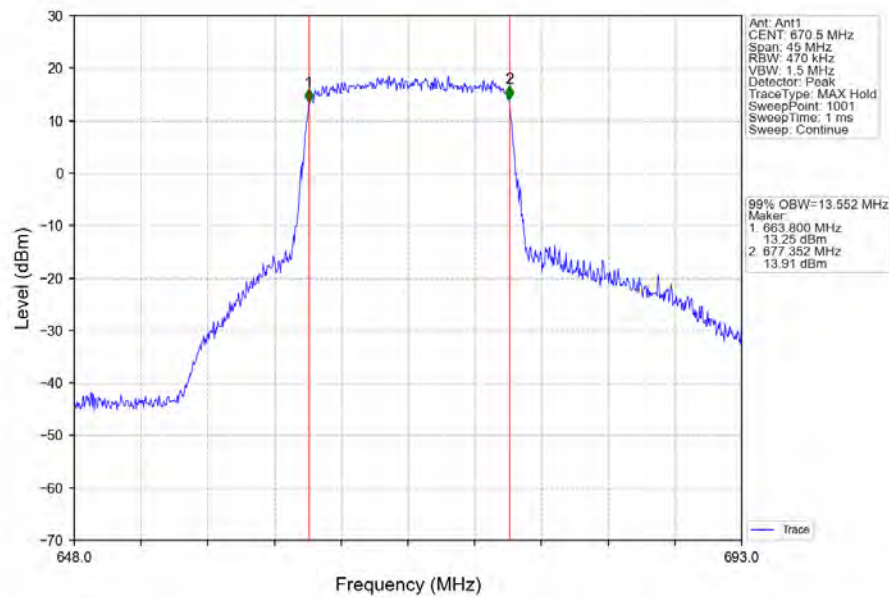
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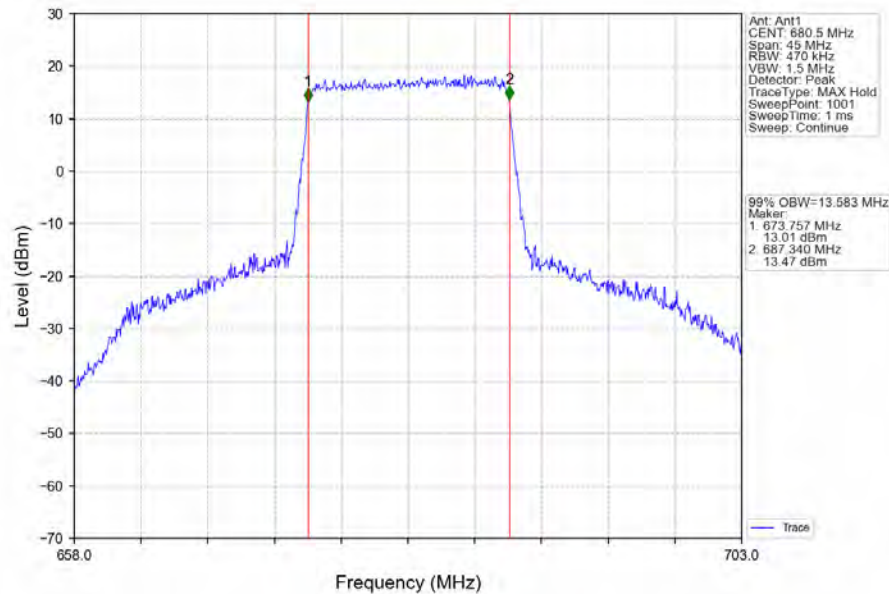


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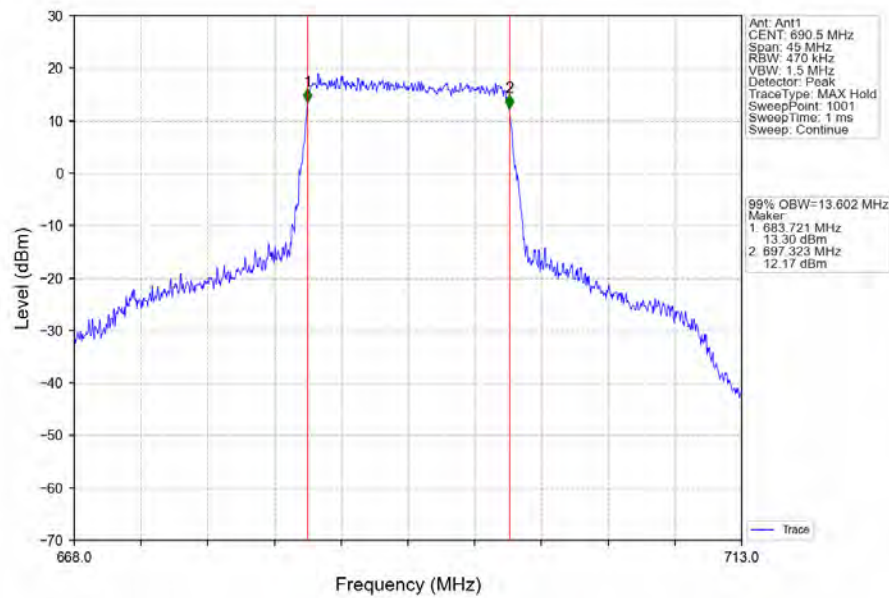
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Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



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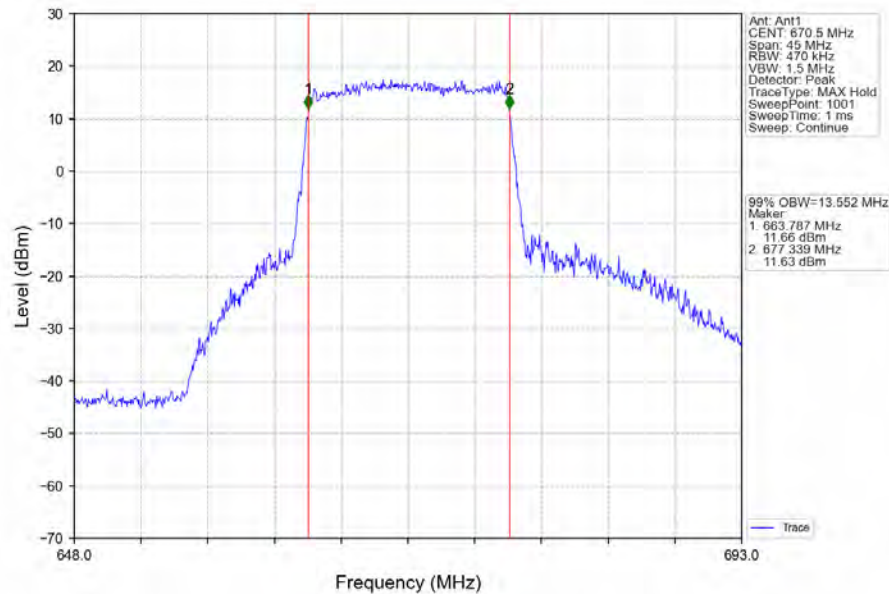


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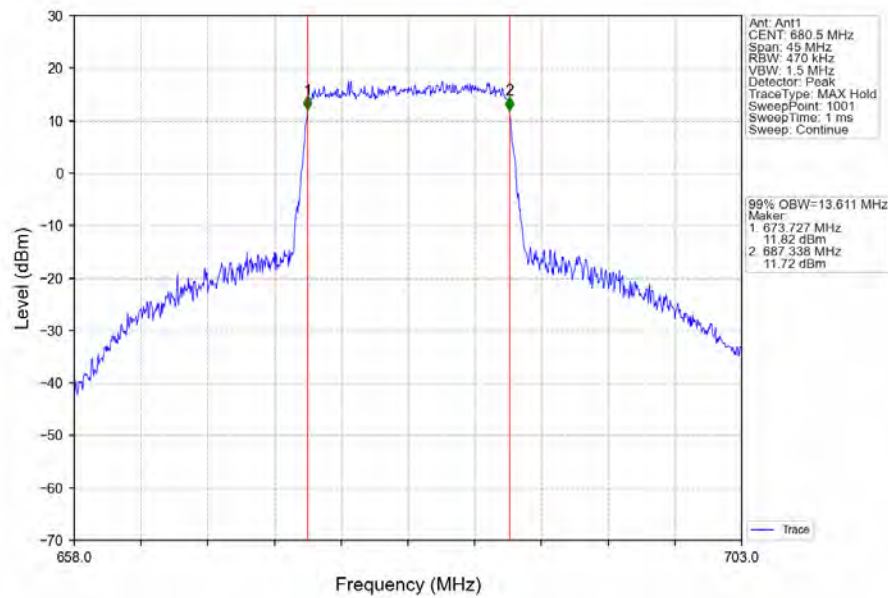
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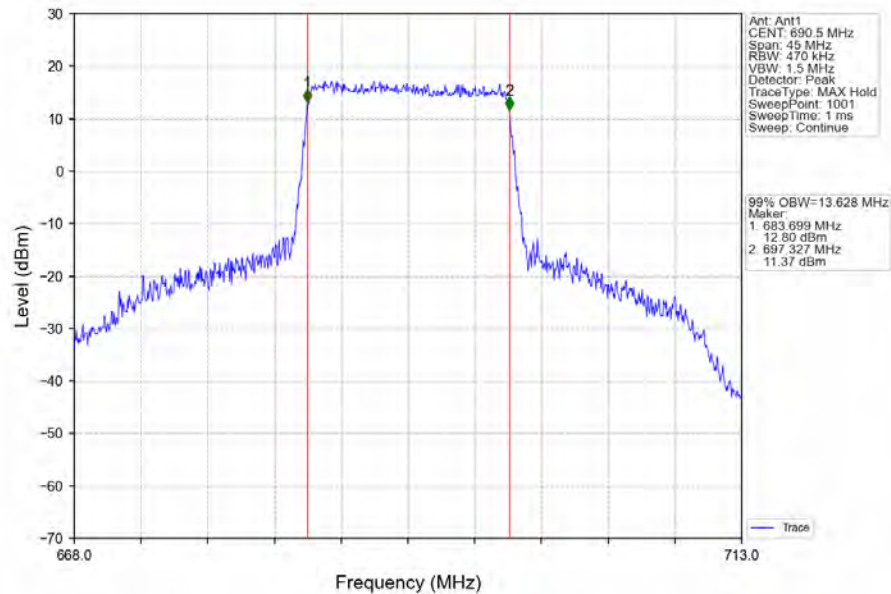


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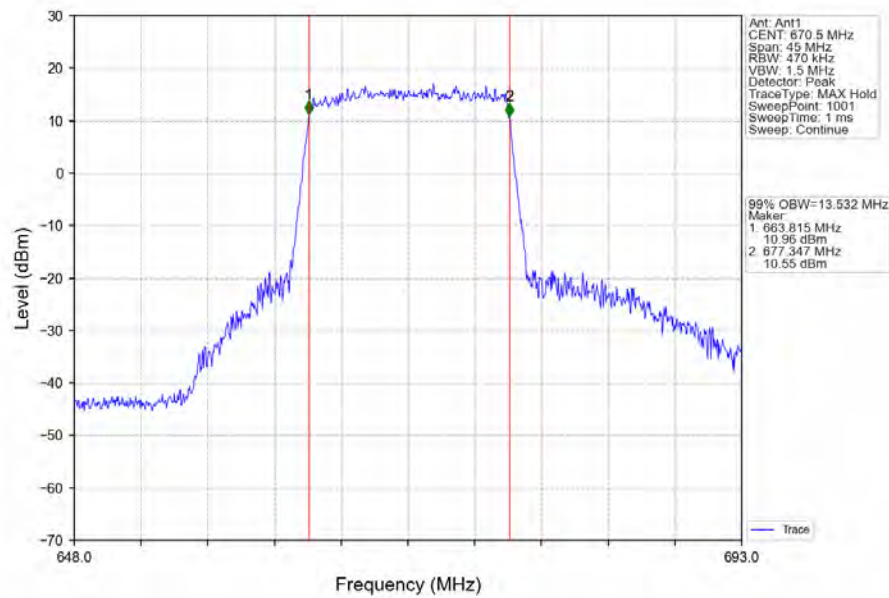
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Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



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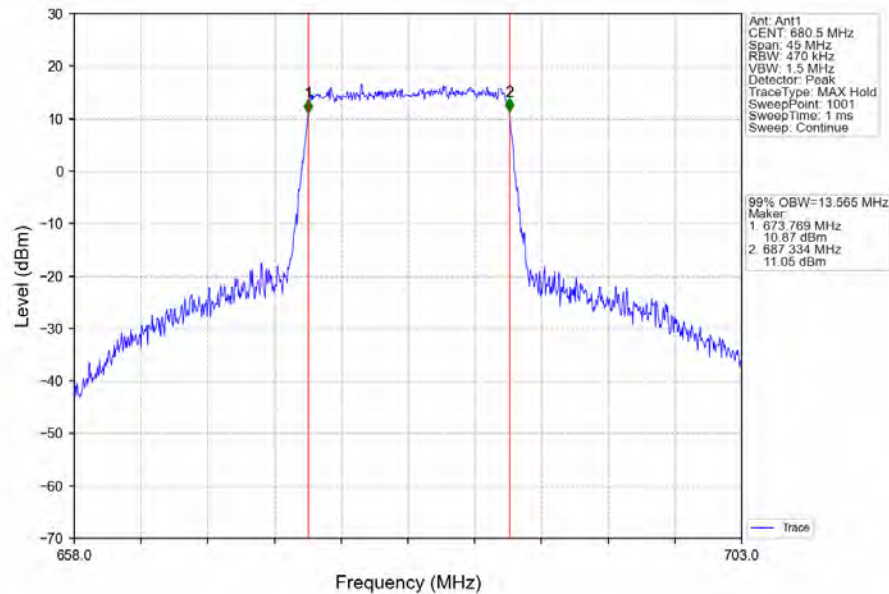


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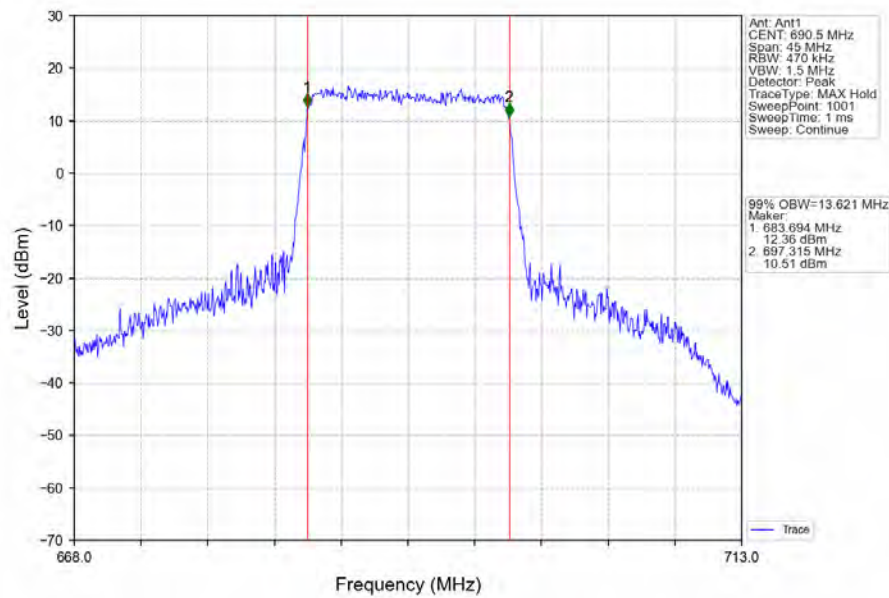
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Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



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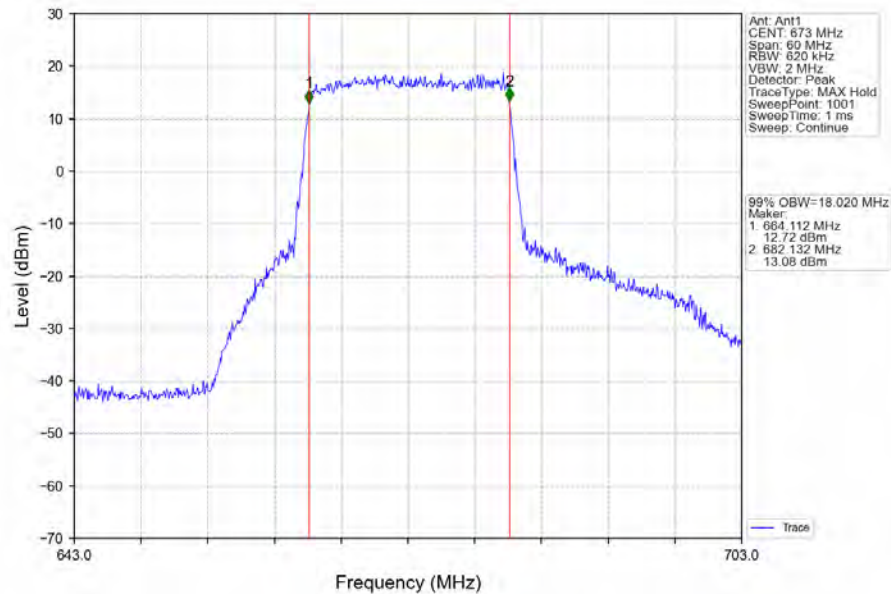


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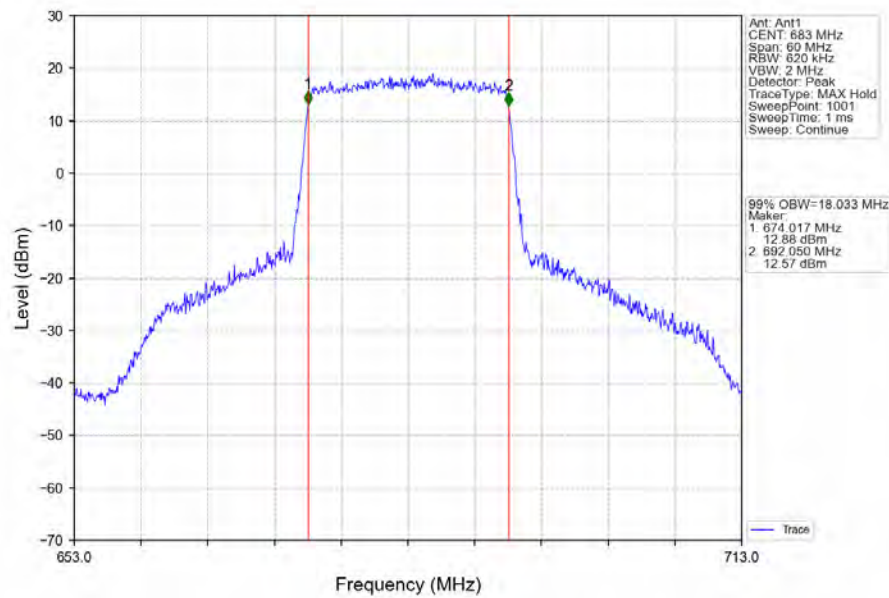
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Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



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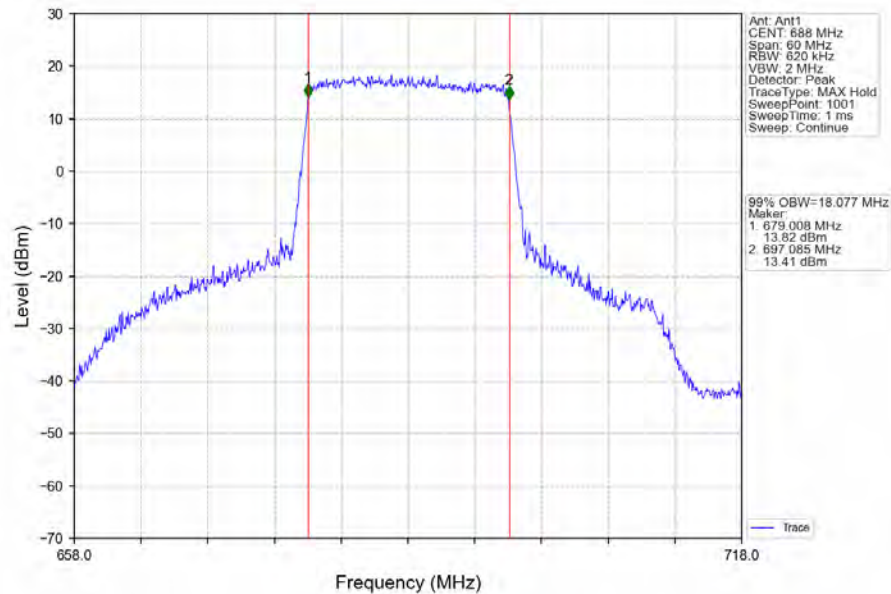


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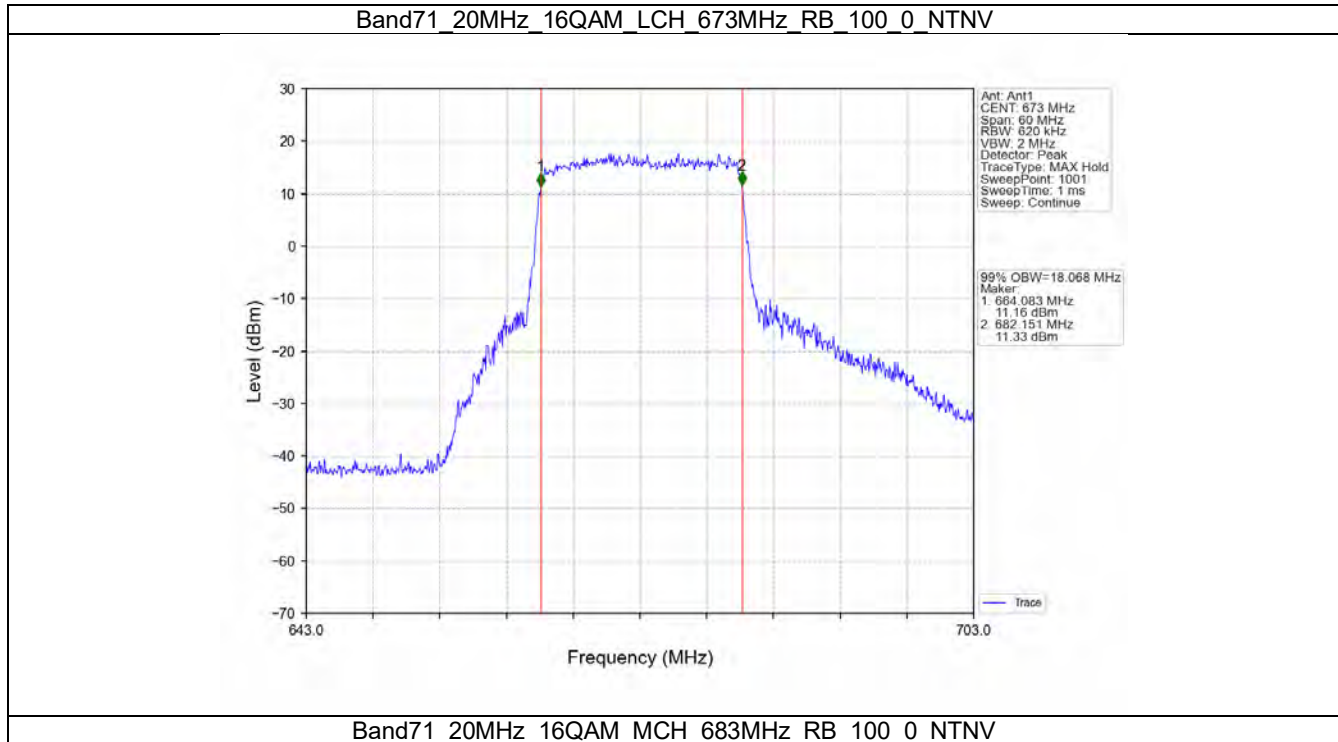


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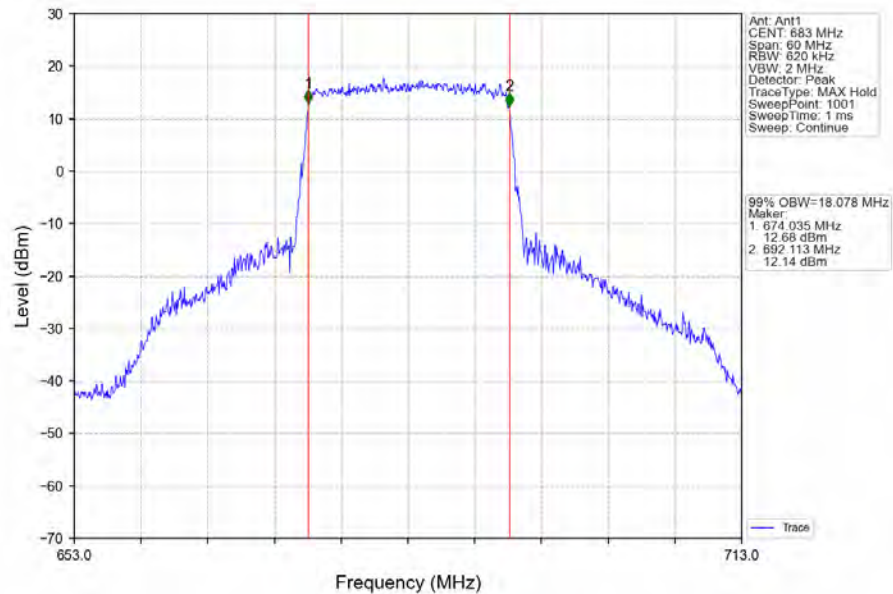


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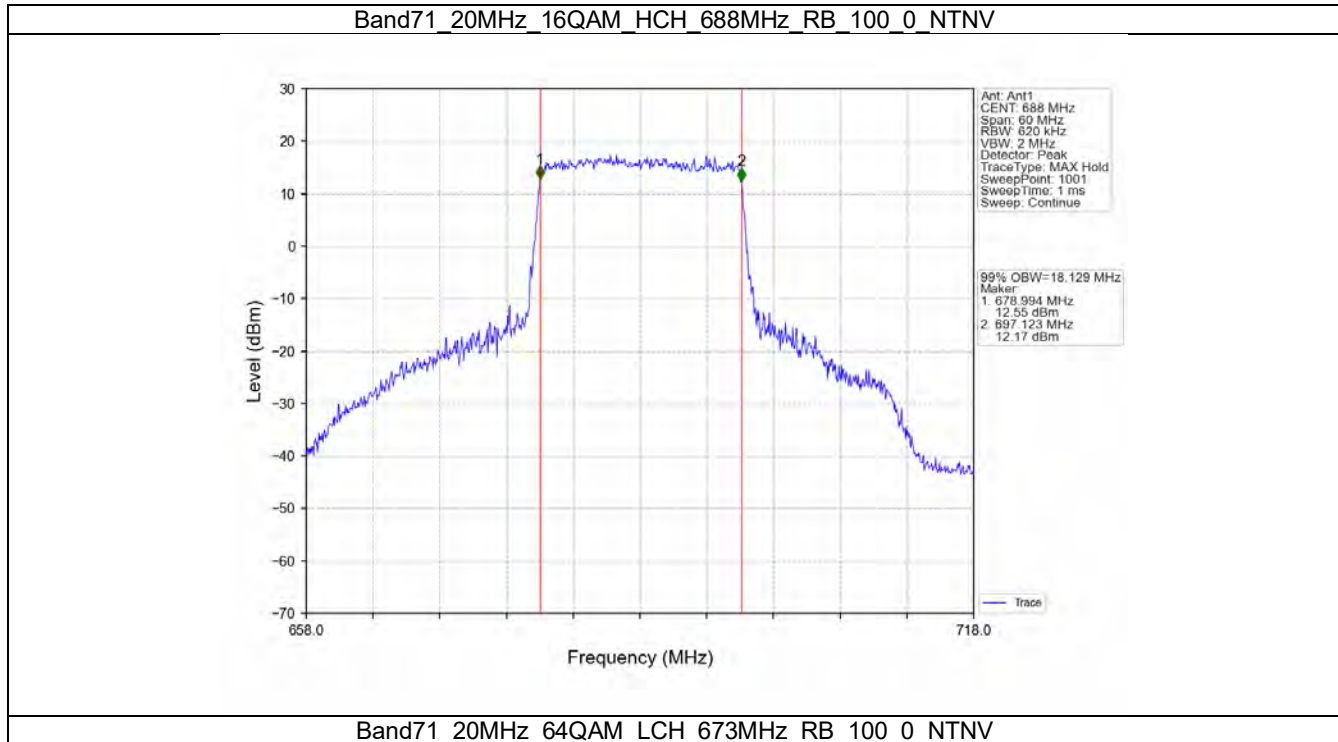


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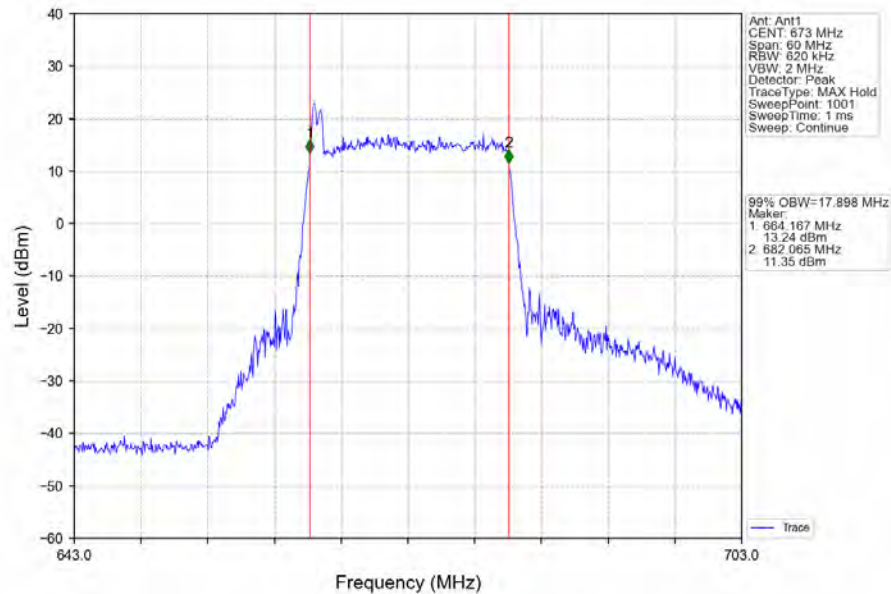


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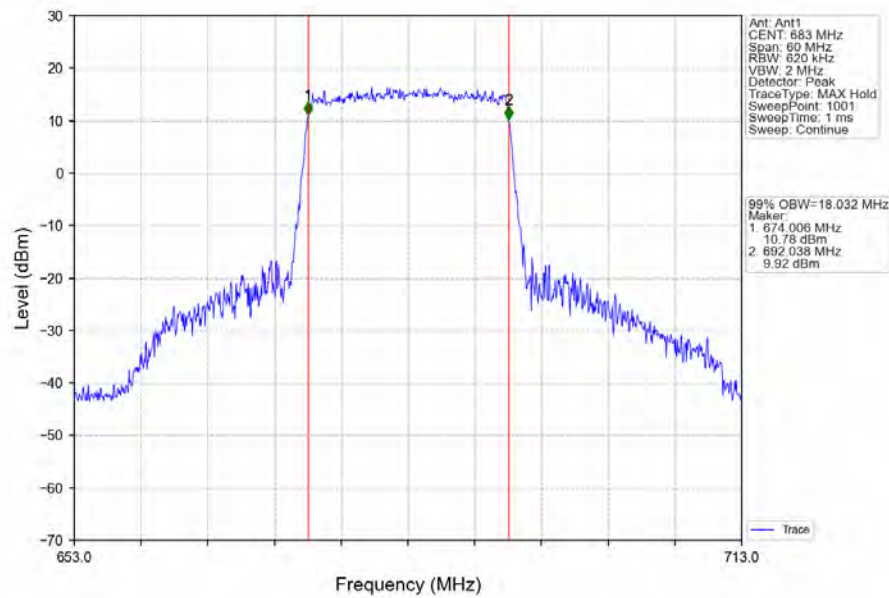
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Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



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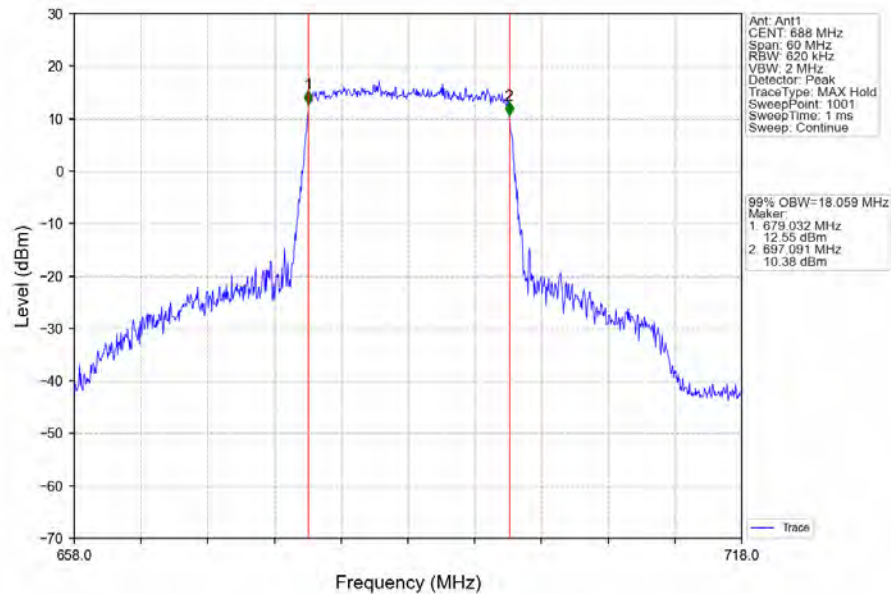


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3.2 Band71_XDB

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	5.217	/	Pass
		680.5	25	0	5.255	/	Pass
		695.5	25	0	5.332	/	Pass
	16QAM	665.5	25	0	5.177	/	Pass
		680.5	25	0	5.248	/	Pass
		695.5	25	0	5.219	/	Pass
	64QAM	665.5	25	0	5.295	/	Pass
		680.5	25	0	5.256	/	Pass
		695.5	25	0	5.255	/	Pass
10	QPSK	668	50	0	10.171	/	Pass
		680.5	50	0	10.262	/	Pass
		693	50	0	10.240	/	Pass
	16QAM	668	50	0	10.220	/	Pass
		680.5	50	0	10.154	/	Pass
		693	50	0	10.136	/	Pass
	64QAM	668	50	0	10.196	/	Pass
		680.5	50	0	10.227	/	Pass
		693	50	0	10.148	/	Pass
15	QPSK	670.5	75	0	15.056	/	Pass
		680.5	75	0	15.165	/	Pass
		690.5	75	0	15.241	/	Pass
	16QAM	670.5	75	0	15.124	/	Pass
		680.5	75	0	15.172	/	Pass
		690.5	75	0	15.215	/	Pass
	64QAM	670.5	75	0	15.057	/	Pass
		680.5	75	0	15.150	/	Pass
		690.5	75	0	15.166	/	Pass
20	QPSK	673	100	0	20.112	/	Pass
		683	100	0	20.060	/	Pass
		688	100	0	20.274	/	Pass
	16QAM	673	100	0	20.145	/	Pass
		683	100	0	20.098	/	Pass
		688	100	0	20.136	/	Pass
	64QAM	673	100	0	19.300	/	Pass
		683	100	0	19.890	/	Pass
		688	100	0	19.891	/	Pass



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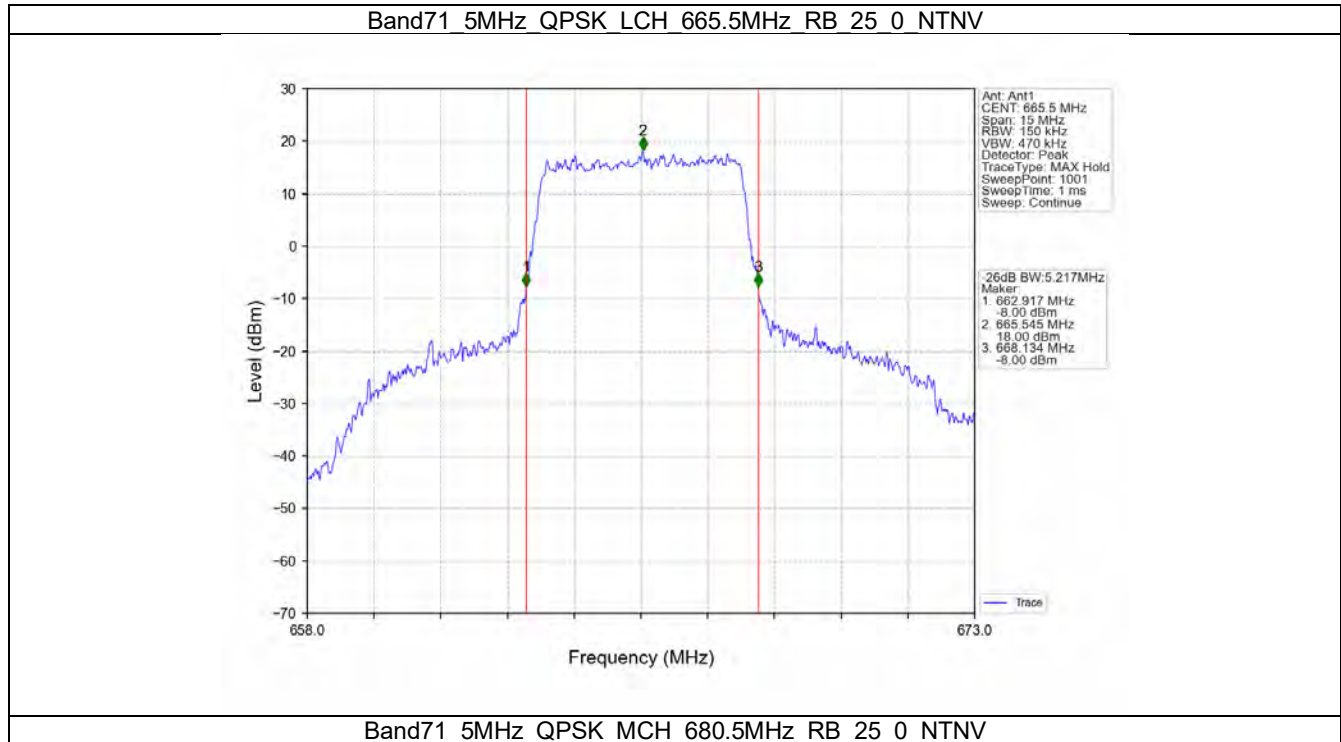
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3.2.2 Test Graph



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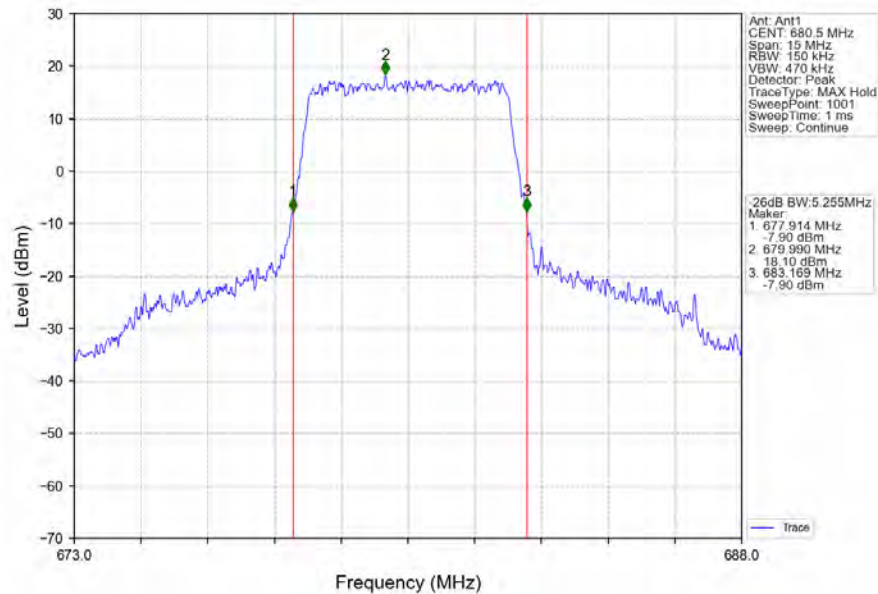


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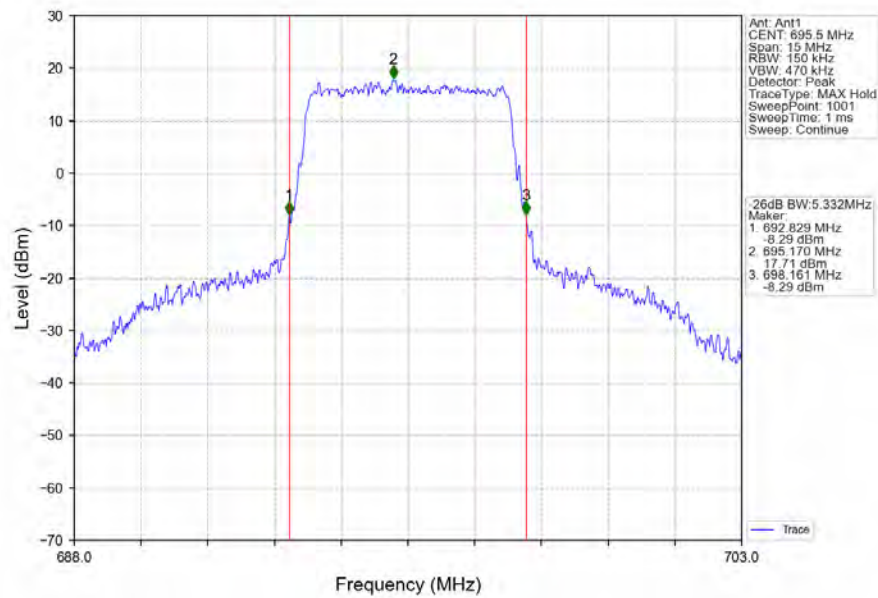
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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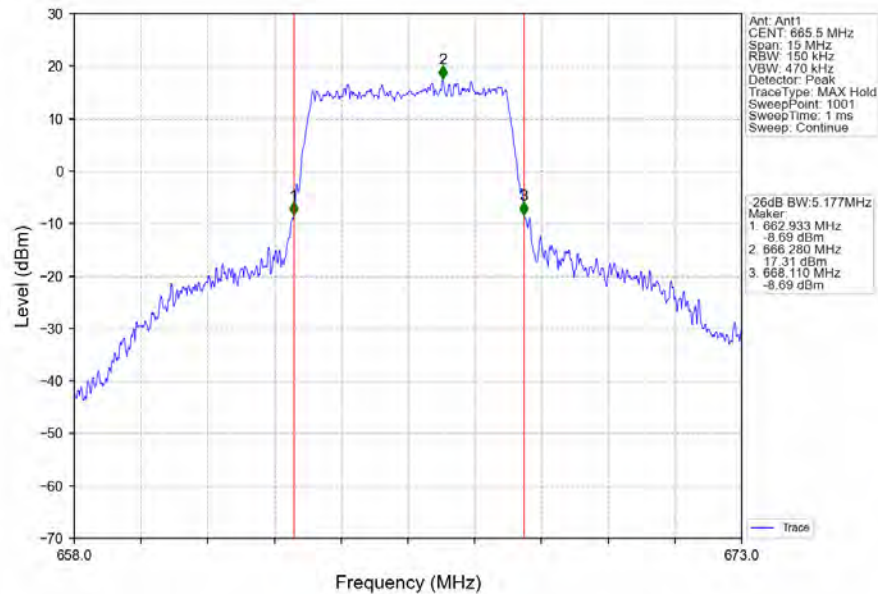


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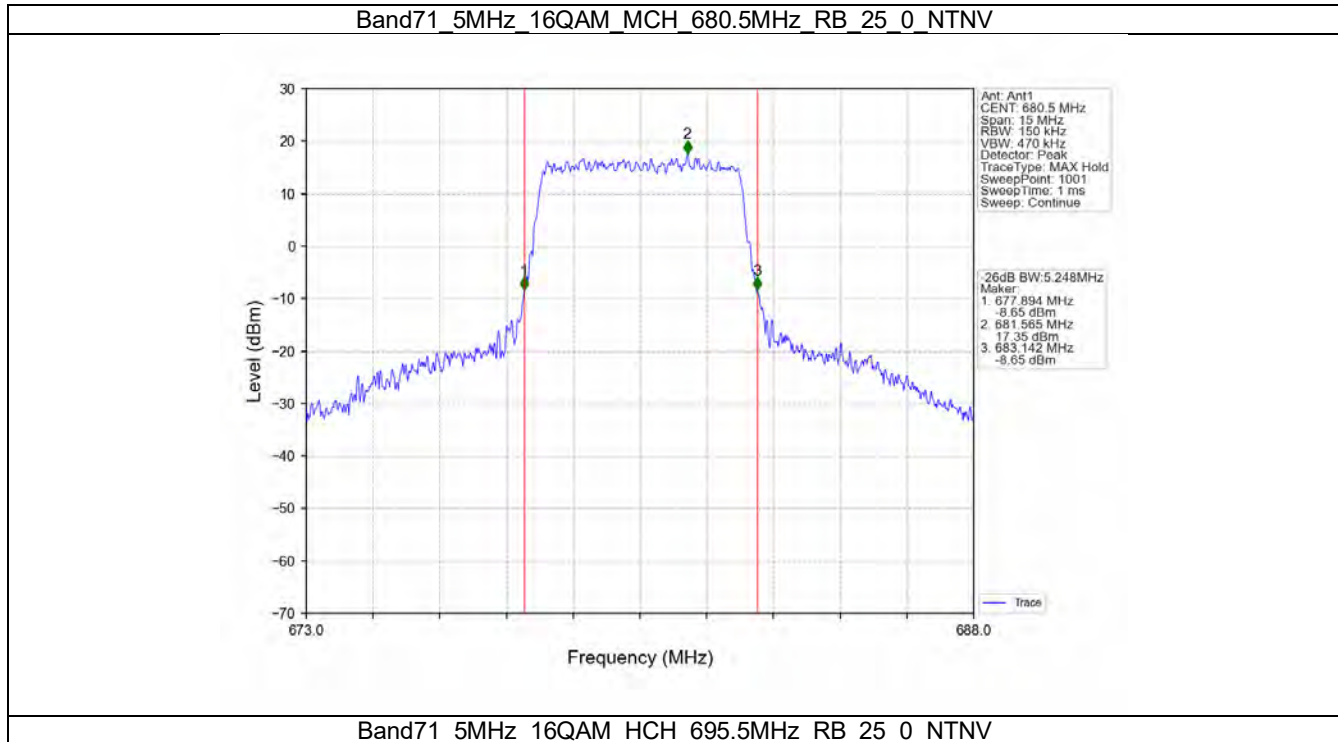


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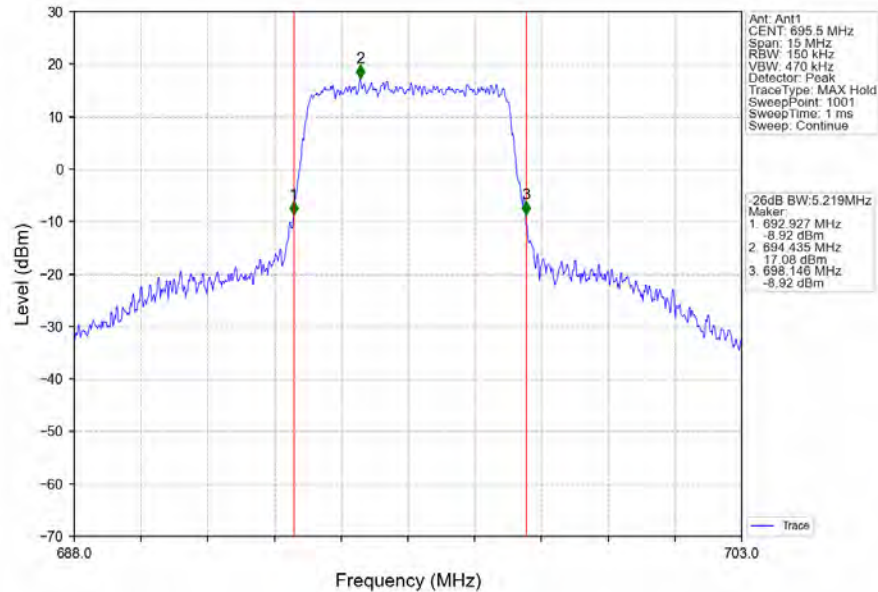


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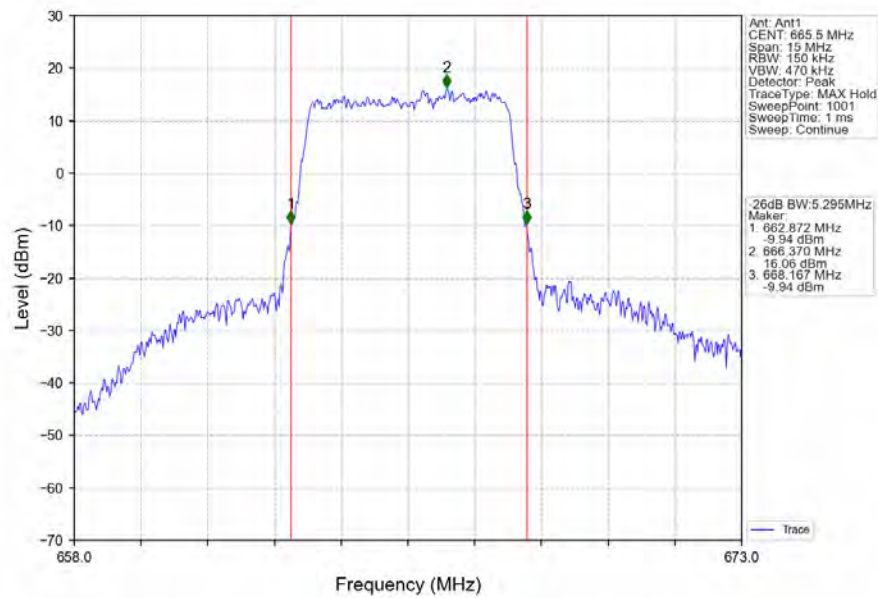
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Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



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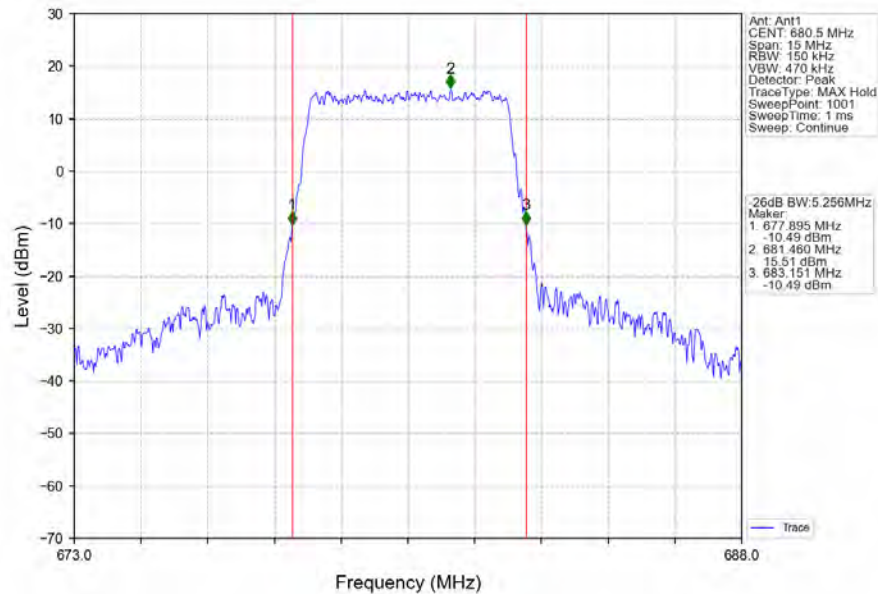


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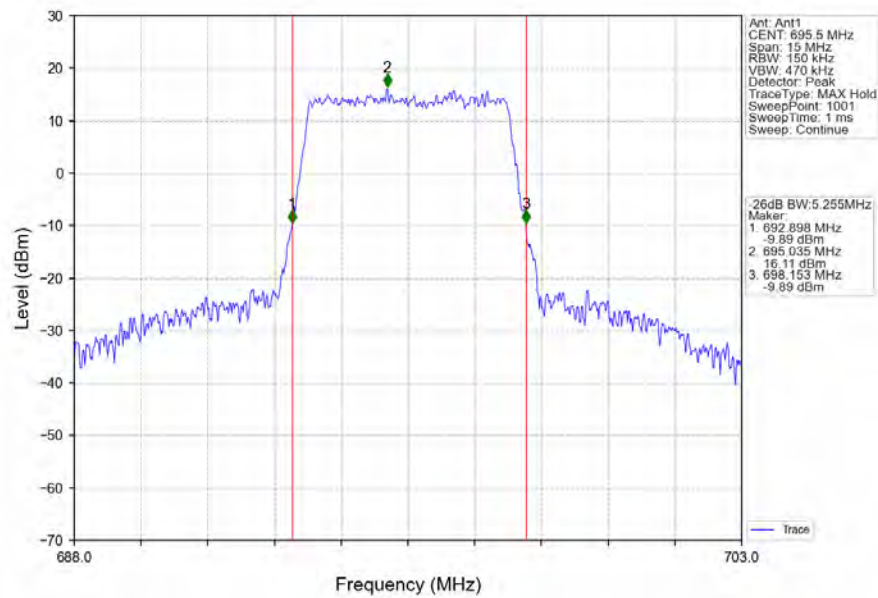
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Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



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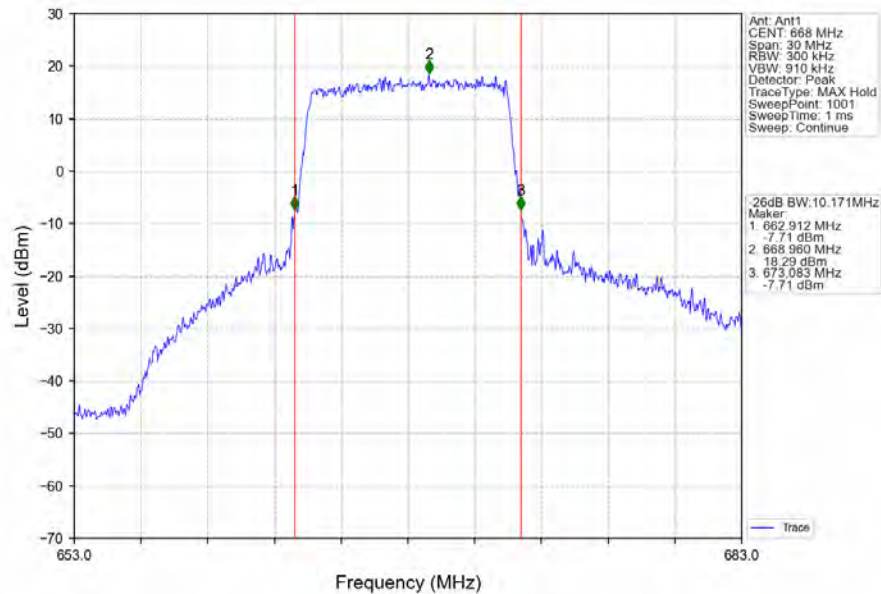


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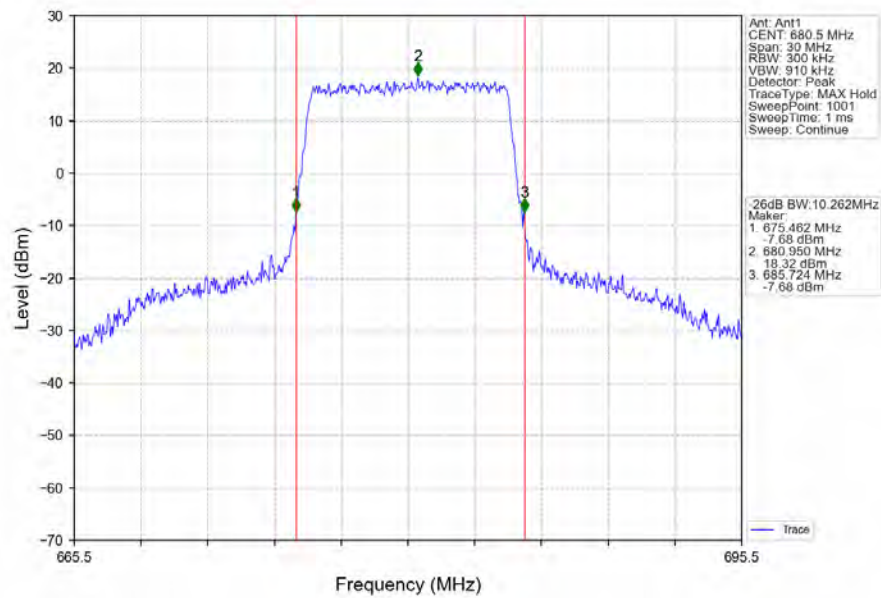
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Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



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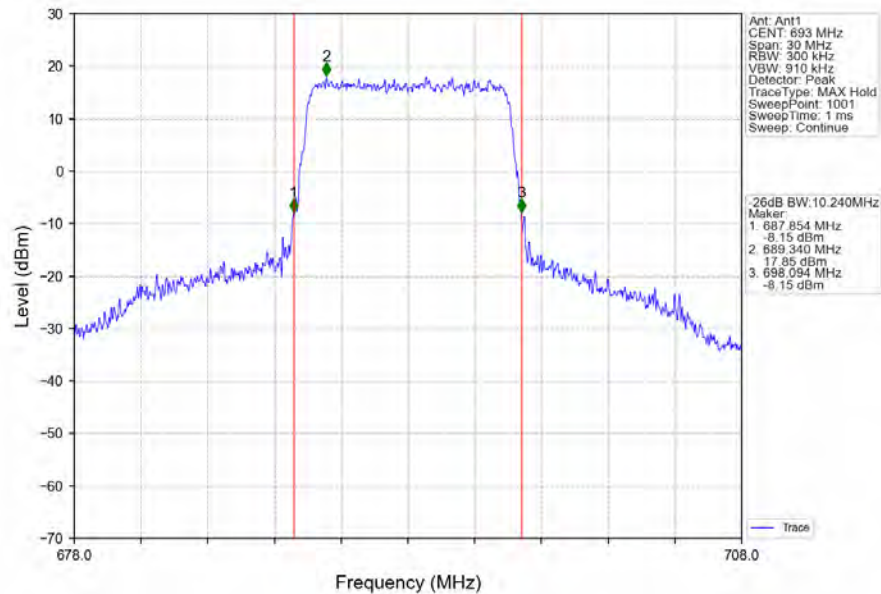


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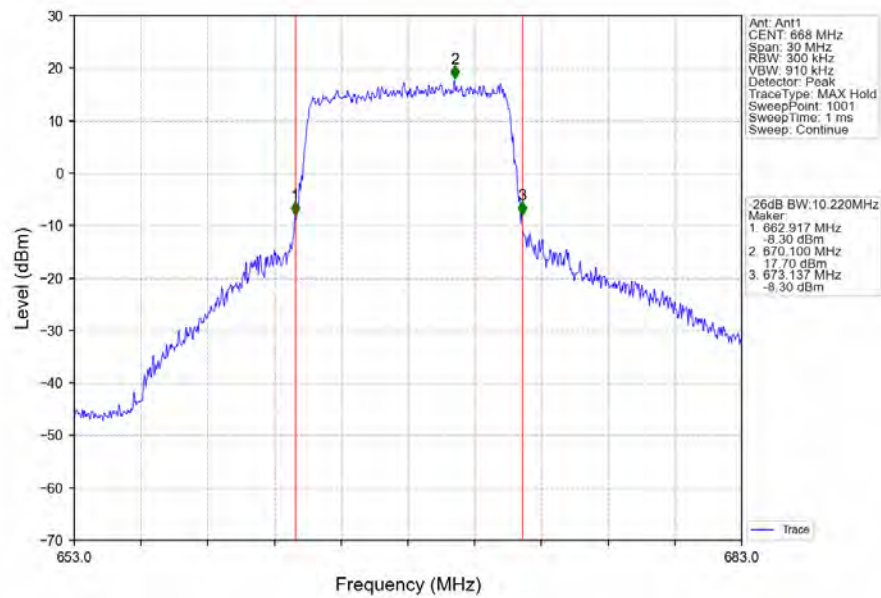
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Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



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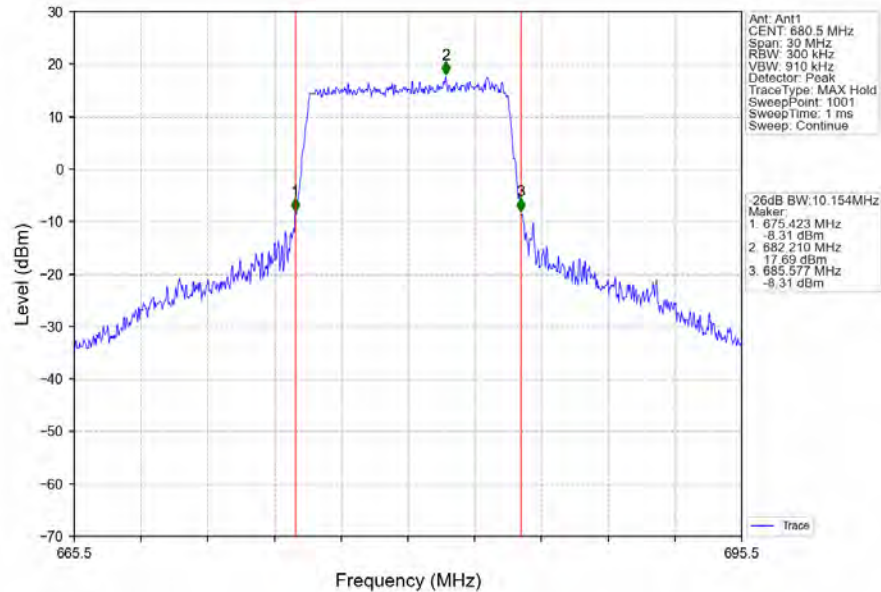


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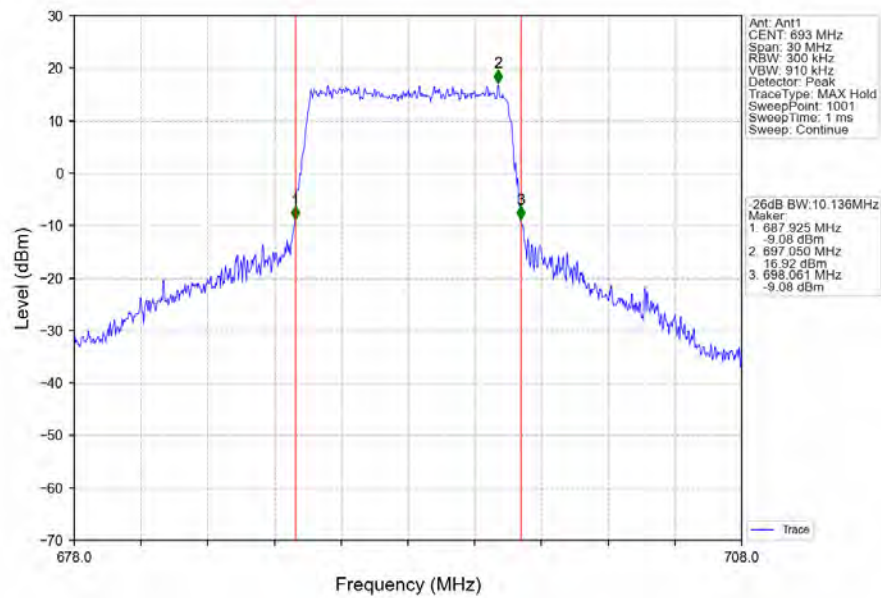
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Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



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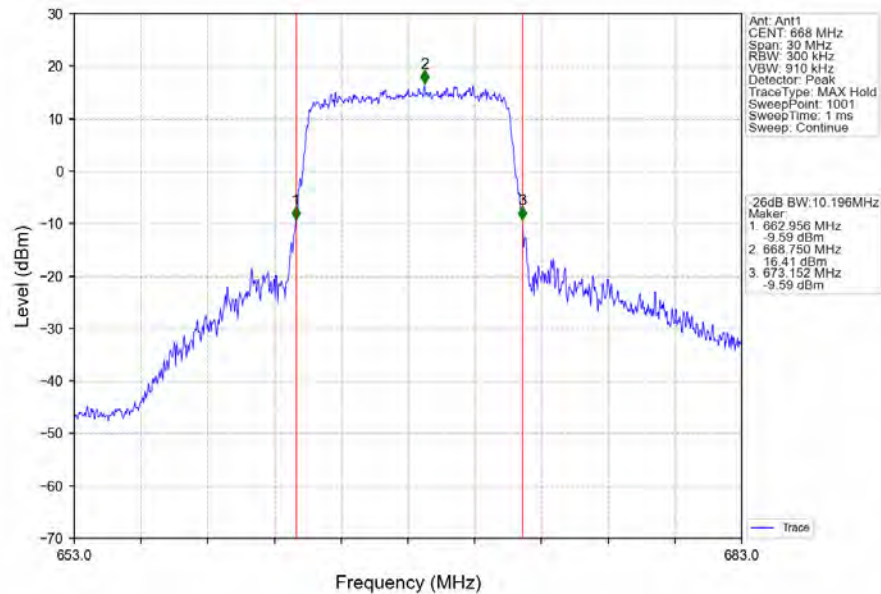


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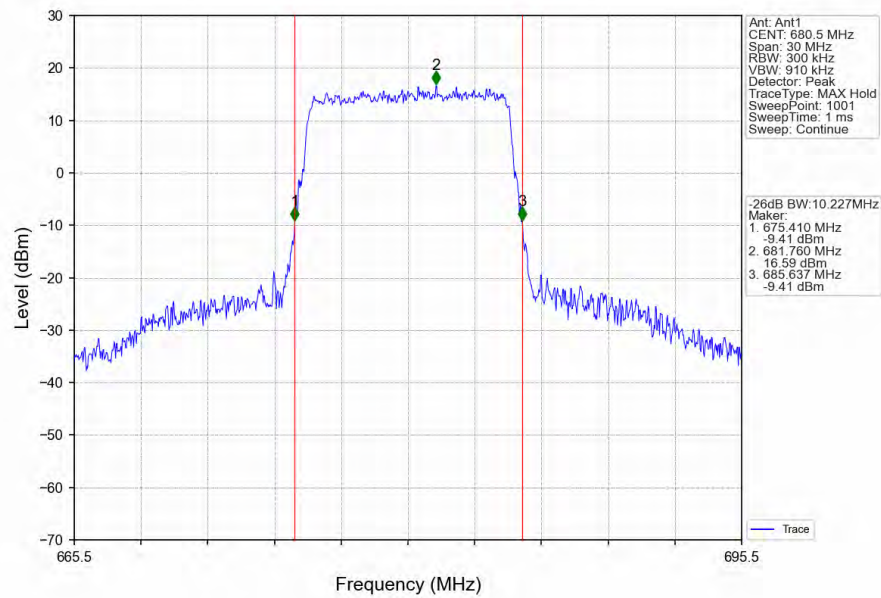
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Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



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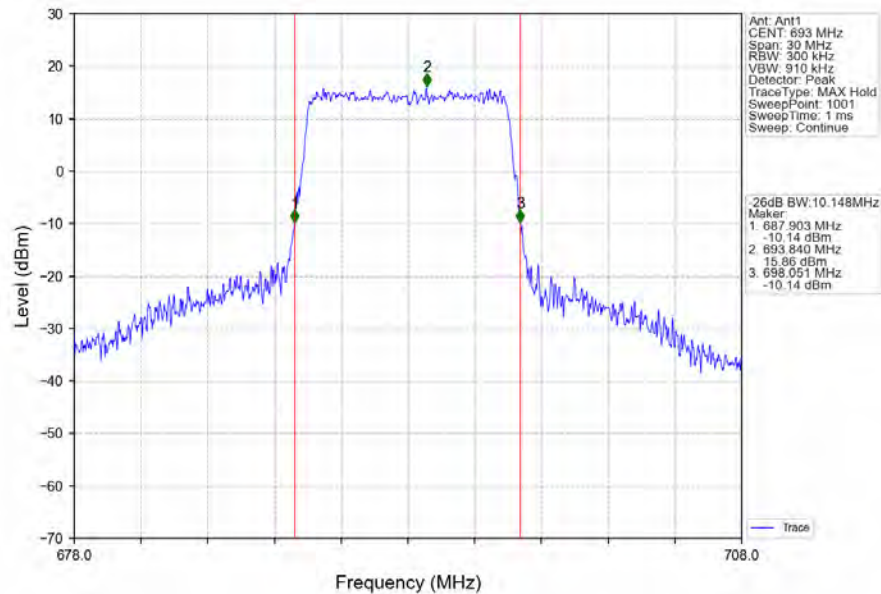


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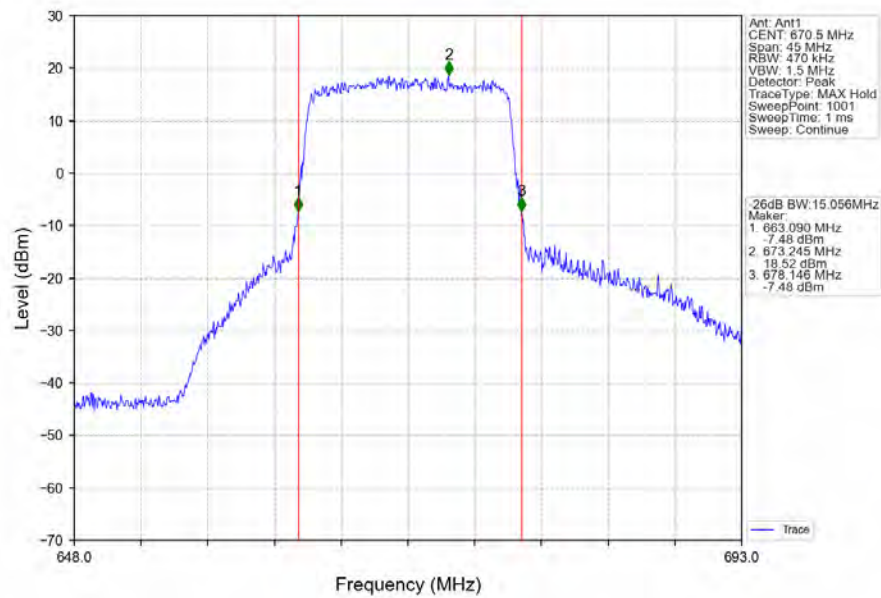
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Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



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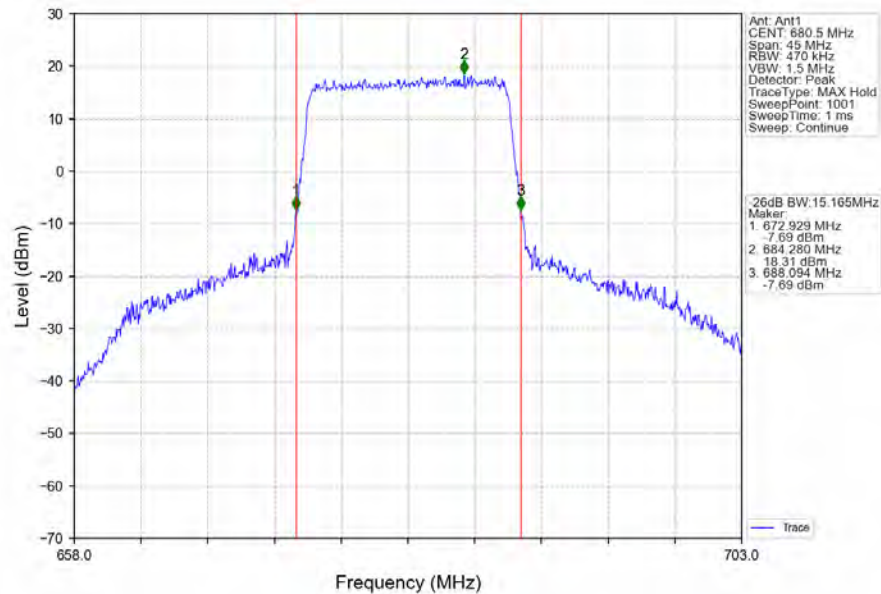


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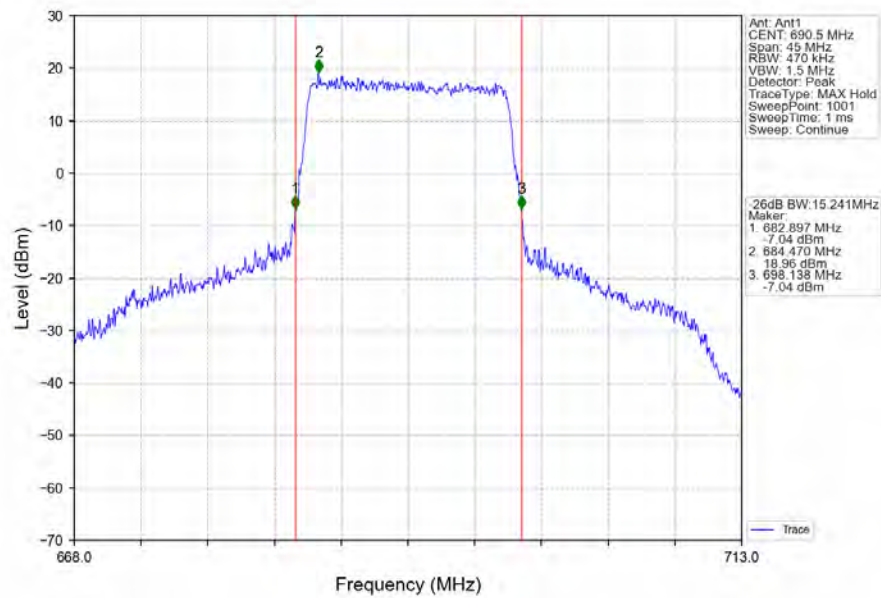
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Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



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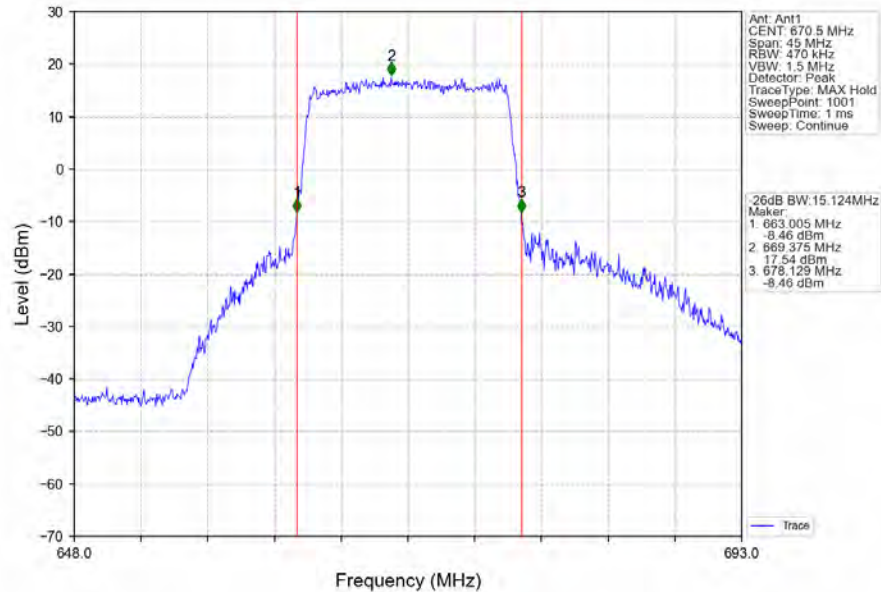


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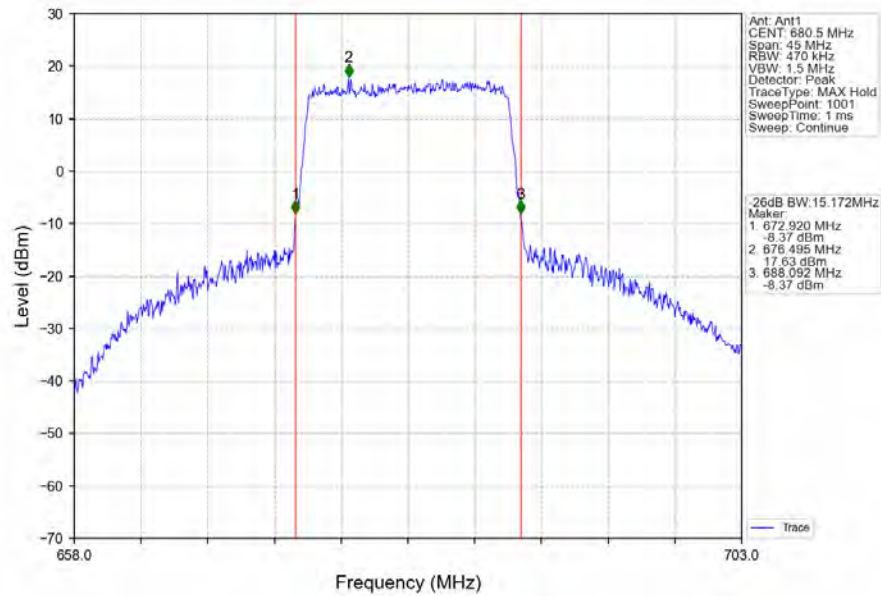
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Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



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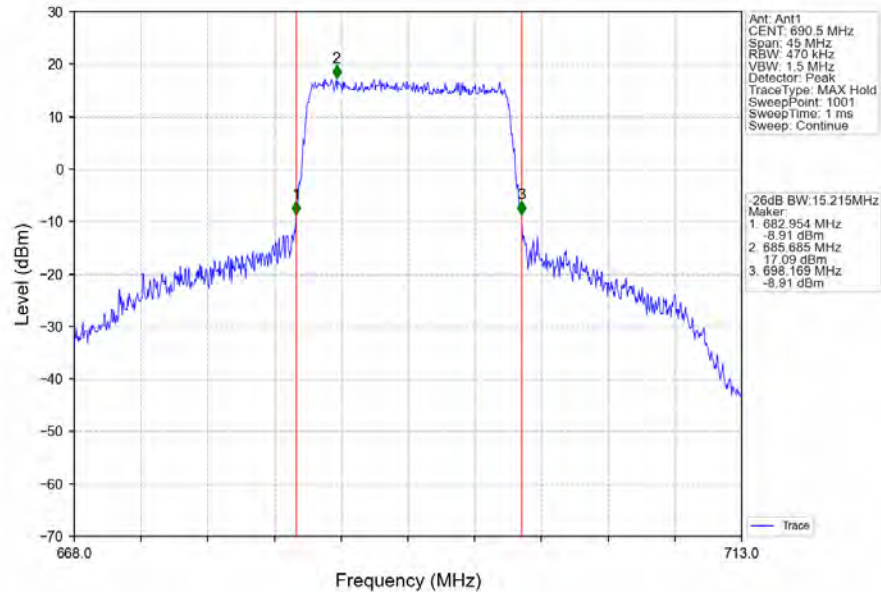


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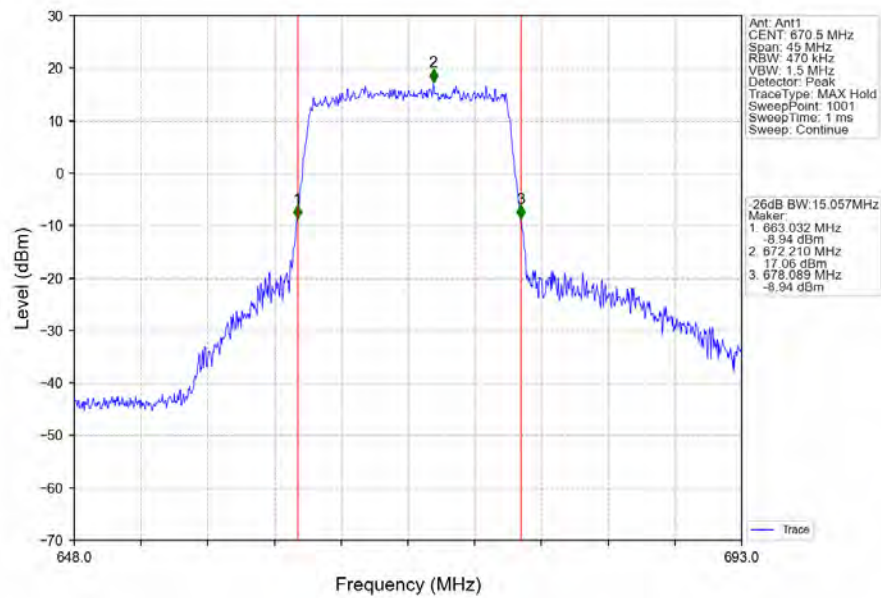
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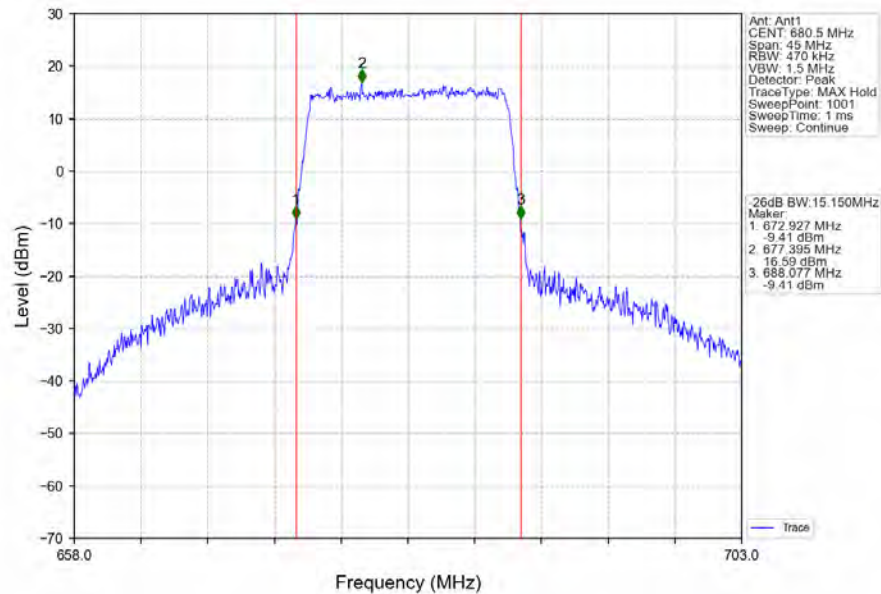


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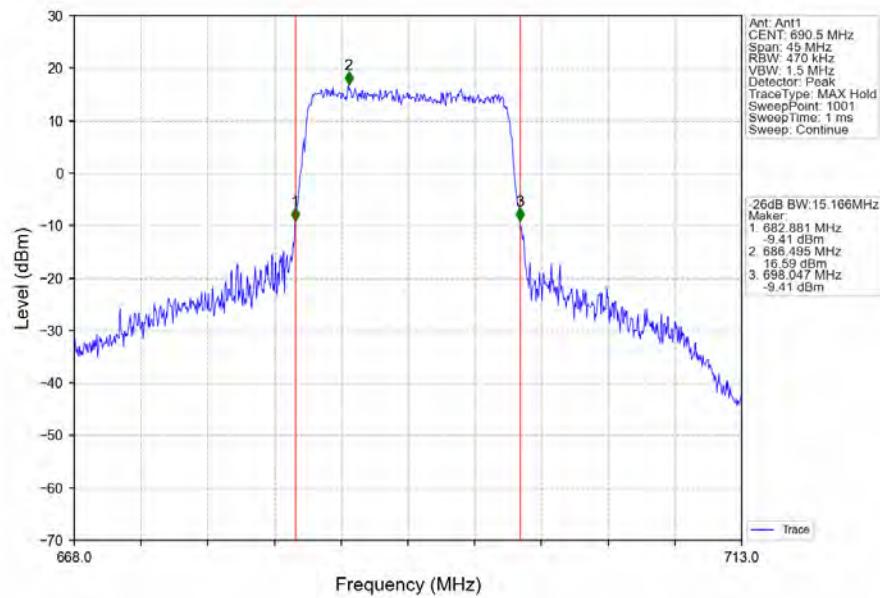
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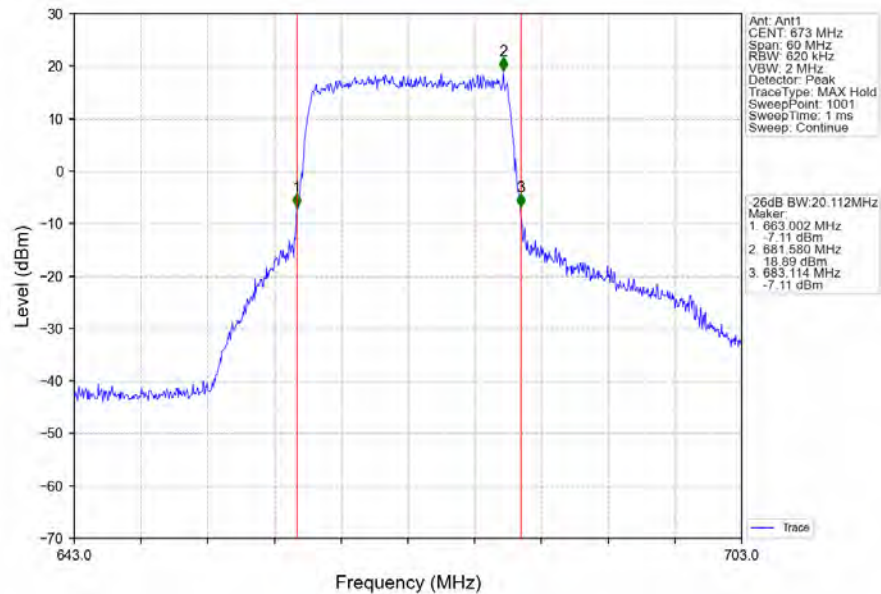


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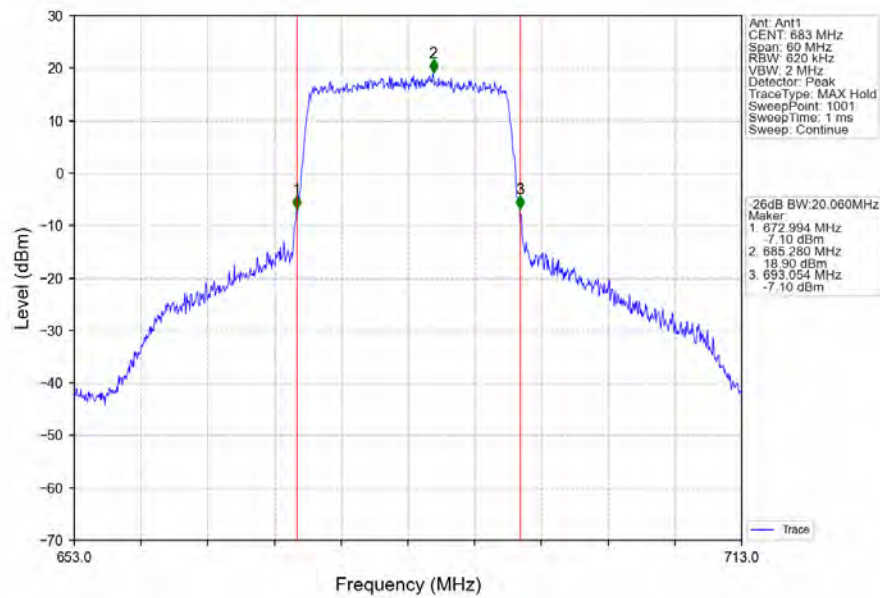
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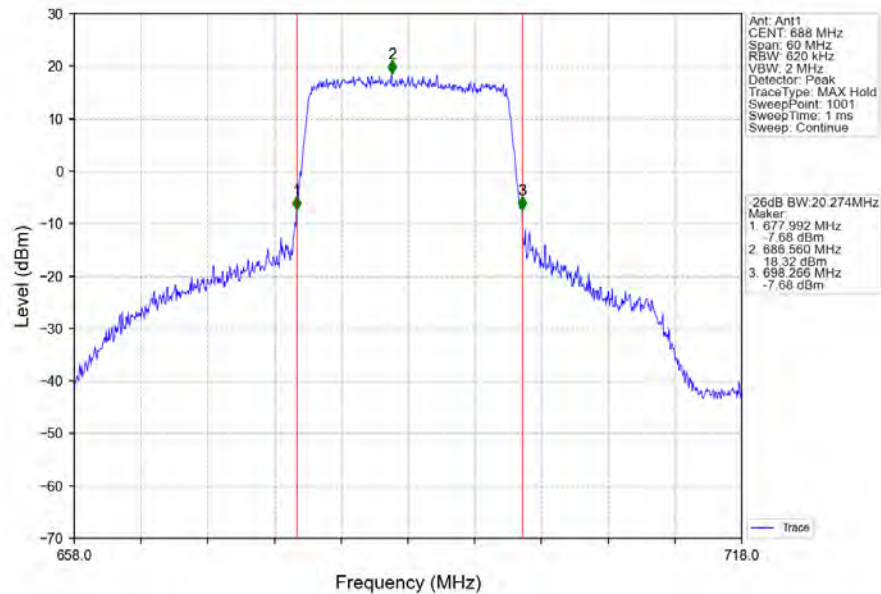


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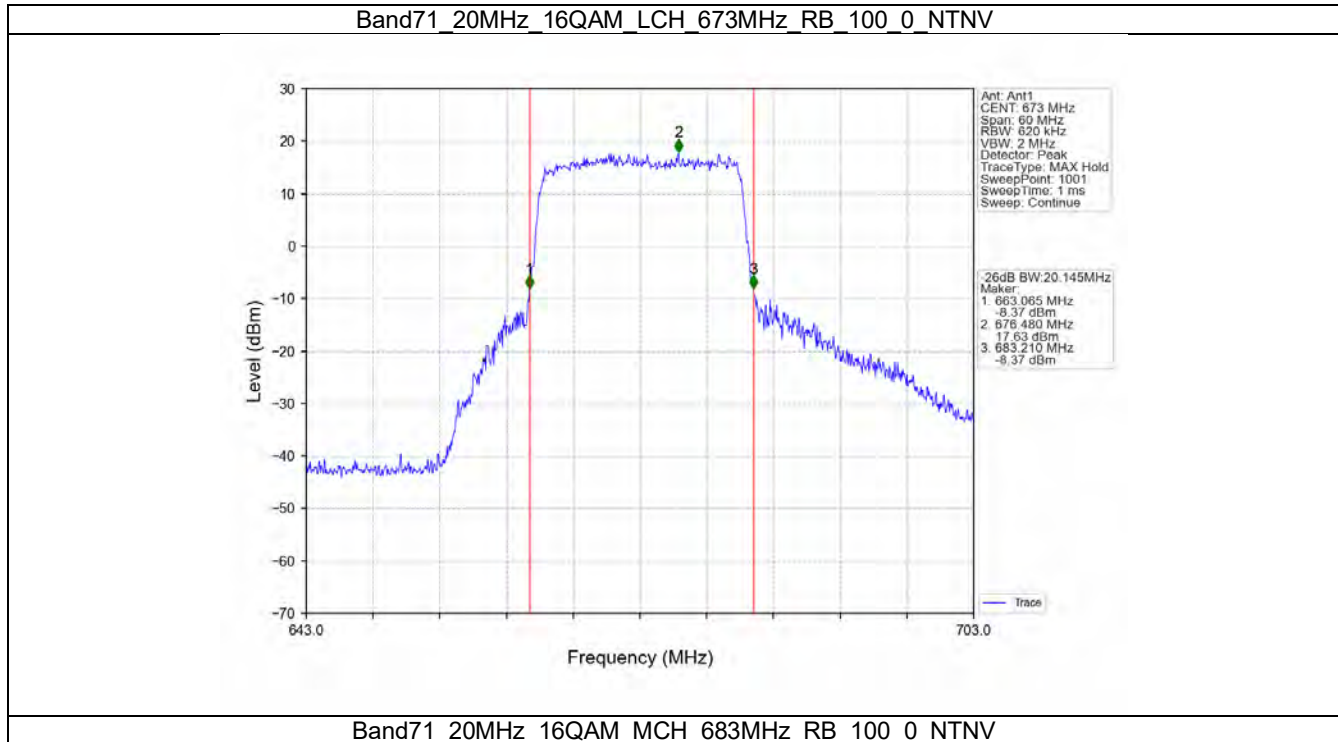


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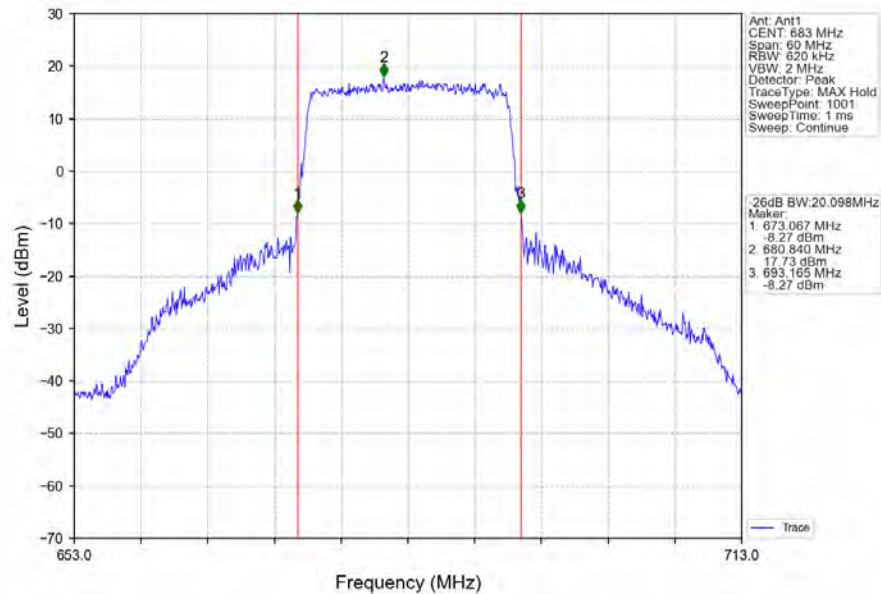


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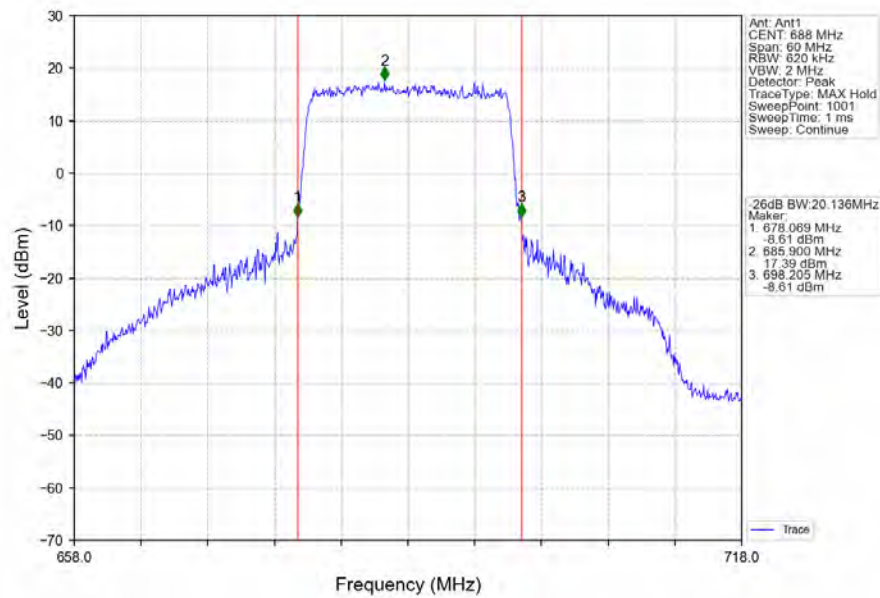
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Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



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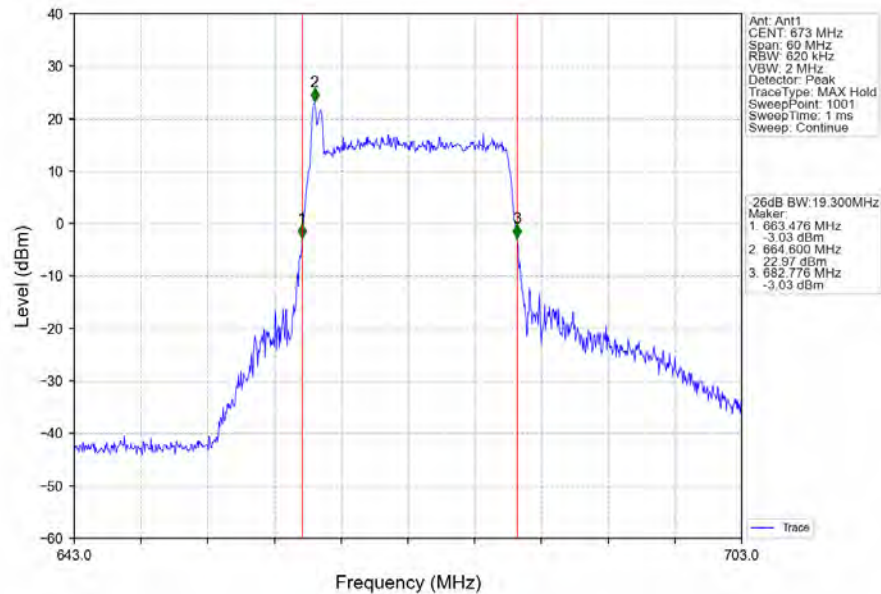


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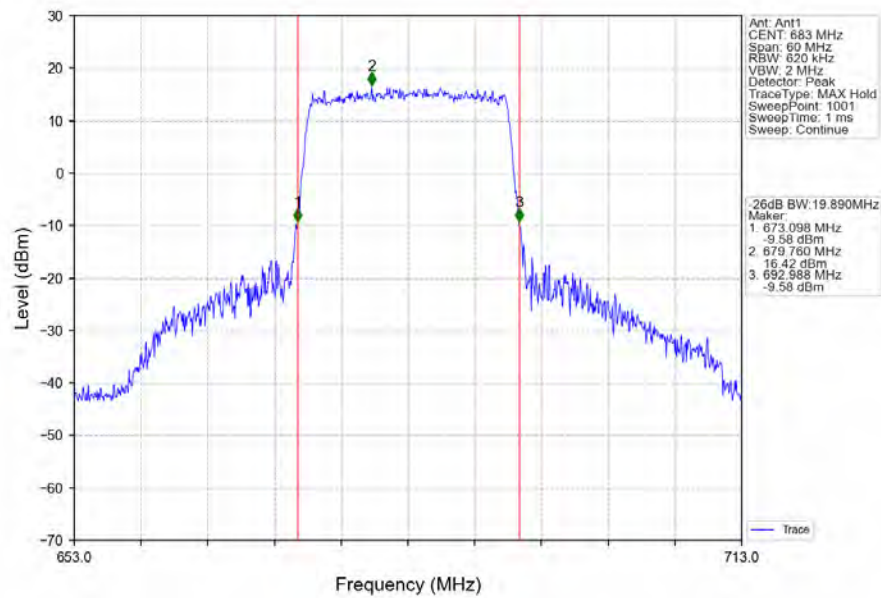
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Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



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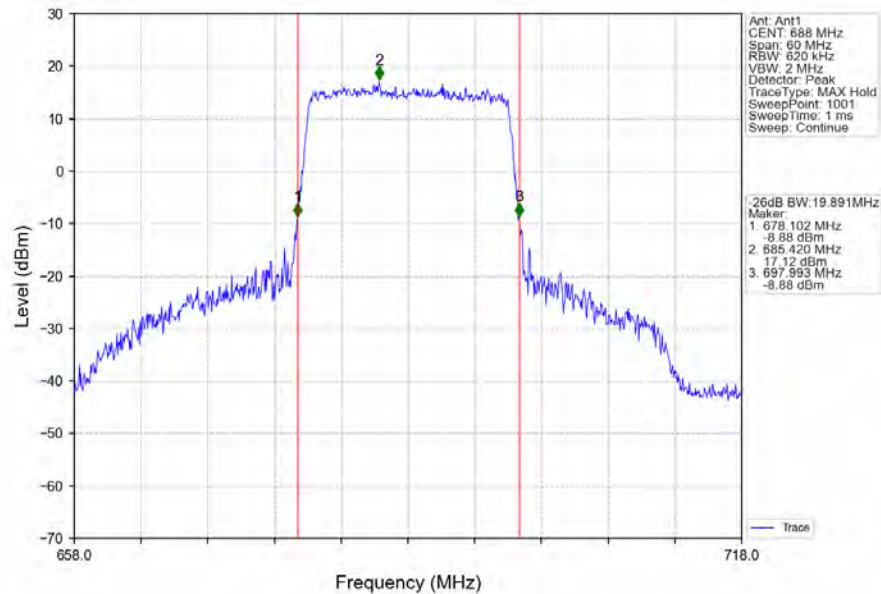


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4. Peak-Average Ratio

4.1 B71_5MHz

4.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.23	<=13	Pass
	680.5	25	0	5.31	<=13	Pass
	695.5	25	0	5.25	<=13	Pass
16QAM	665.5	25	0	6.03	<=13	Pass
	680.5	25	0	6.10	<=13	Pass
	695.5	25	0	6.03	<=13	Pass
64QAM	665.5	25	0	9.33	<=13	Pass
	680.5	25	0	9.45	<=13	Pass
	695.5	25	0	9.37	<=13	Pass



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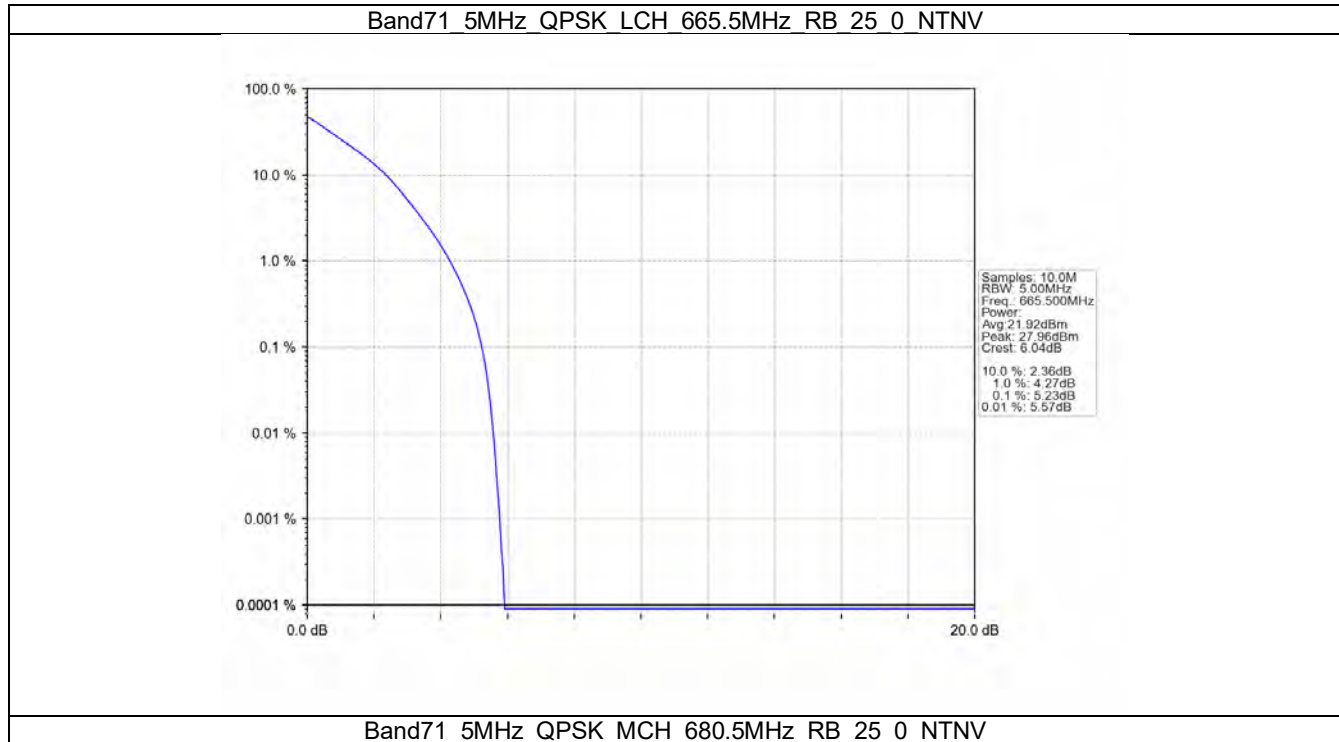
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4.1.2 Test Graph



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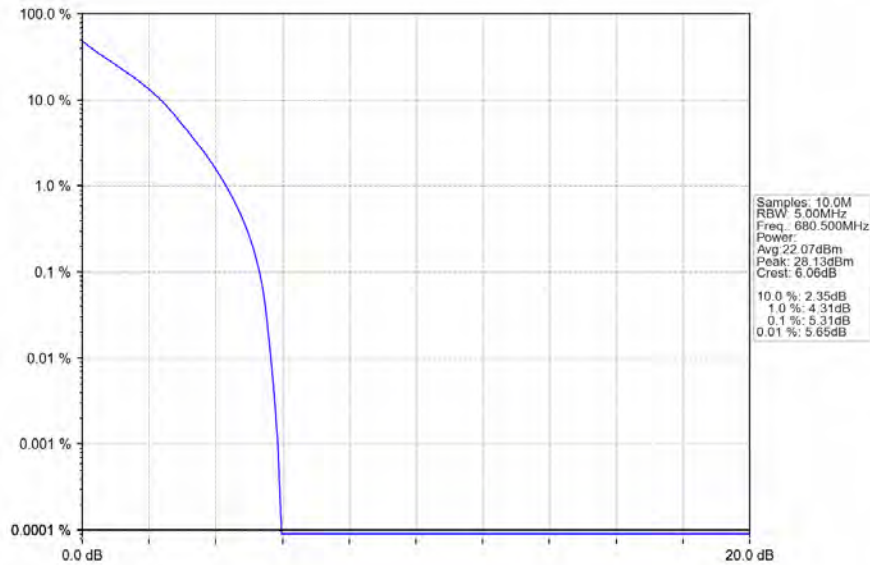


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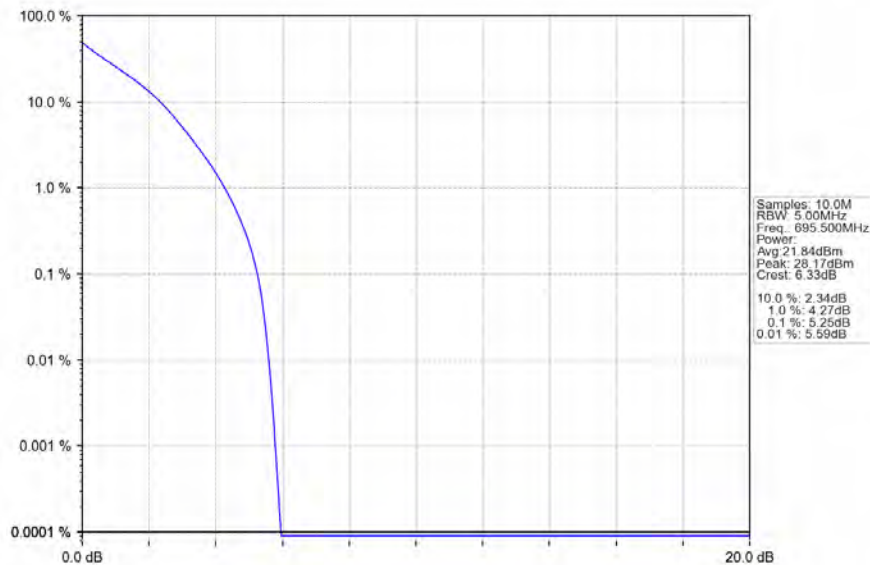
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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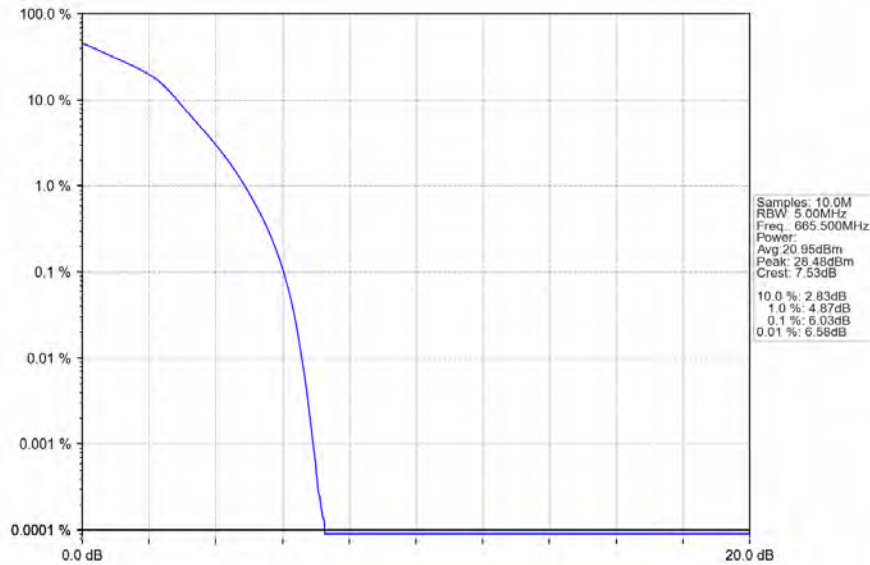


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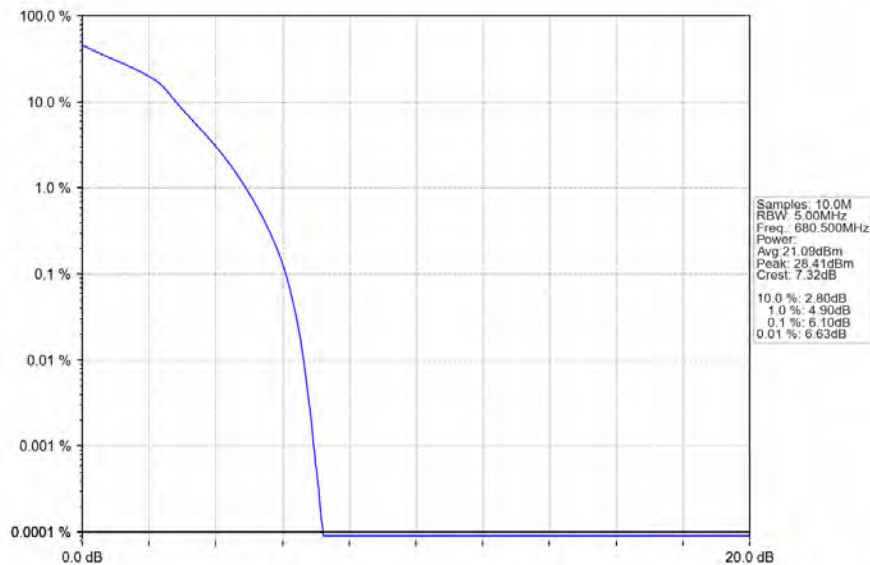
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Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



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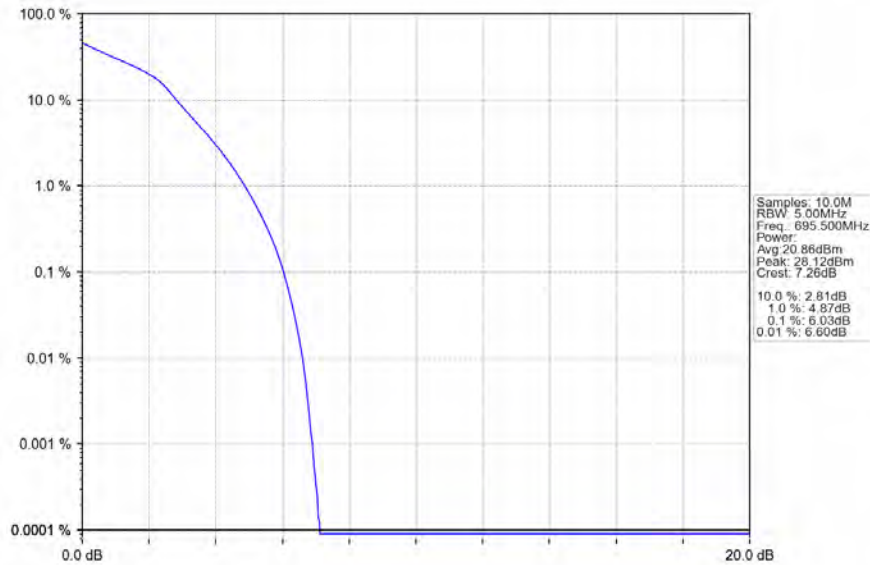


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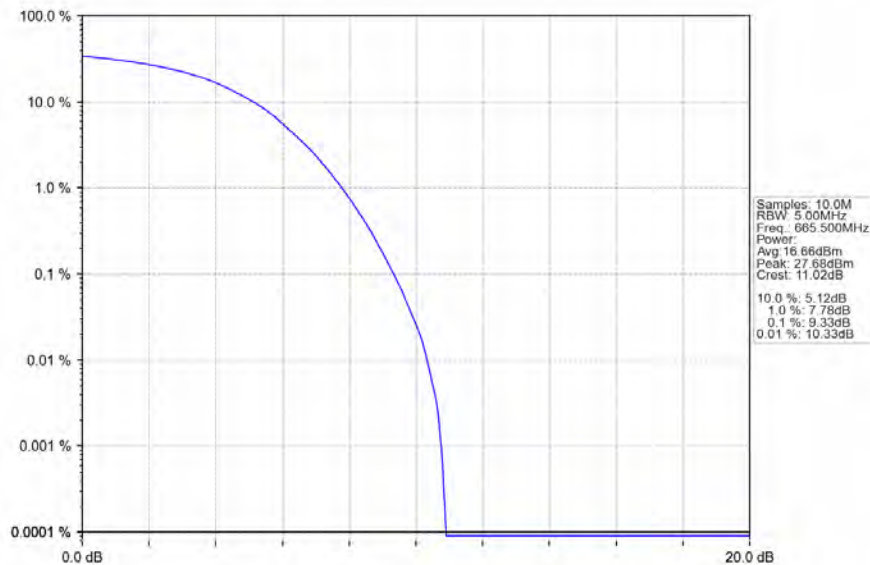
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Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



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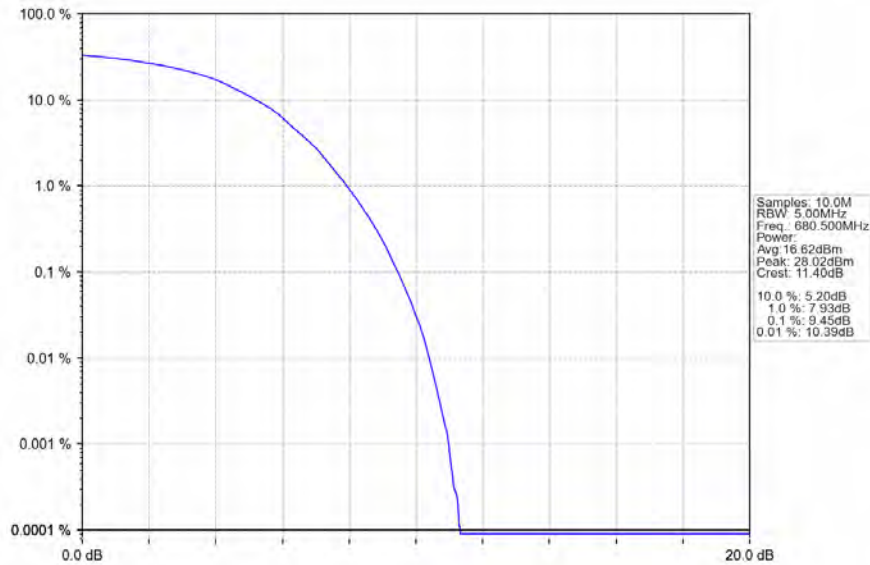


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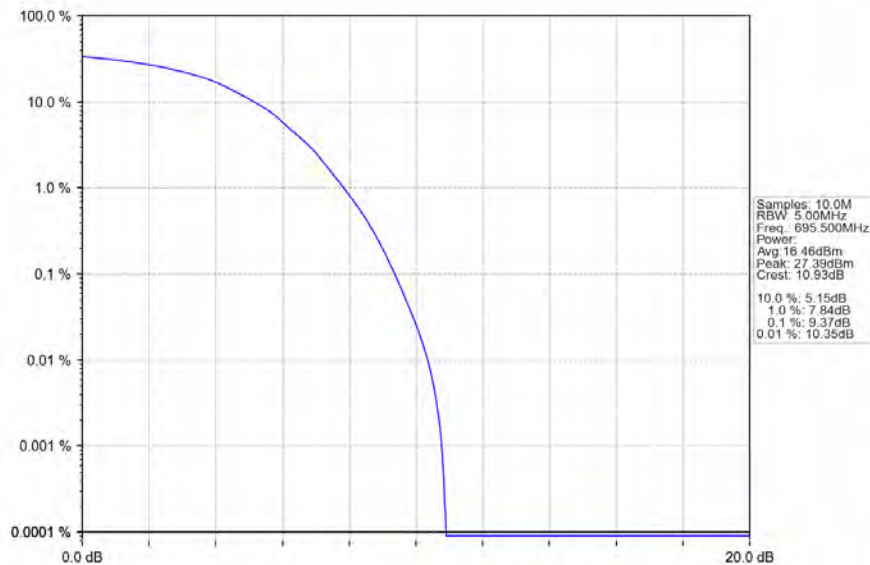
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Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



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4.2 B71_10MHz

4.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.05	<=13	Pass
	680.5	50	0	5.27	<=13	Pass
	693	50	0	5.31	<=13	Pass
16QAM	668	50	0	5.84	<=13	Pass
	680.5	50	0	6.03	<=13	Pass
	693	50	0	6.06	<=13	Pass
64QAM	668	50	0	6.19	<=13	Pass
	680.5	50	0	7.14	<=13	Pass
	693	50	0	6.41	<=13	Pass



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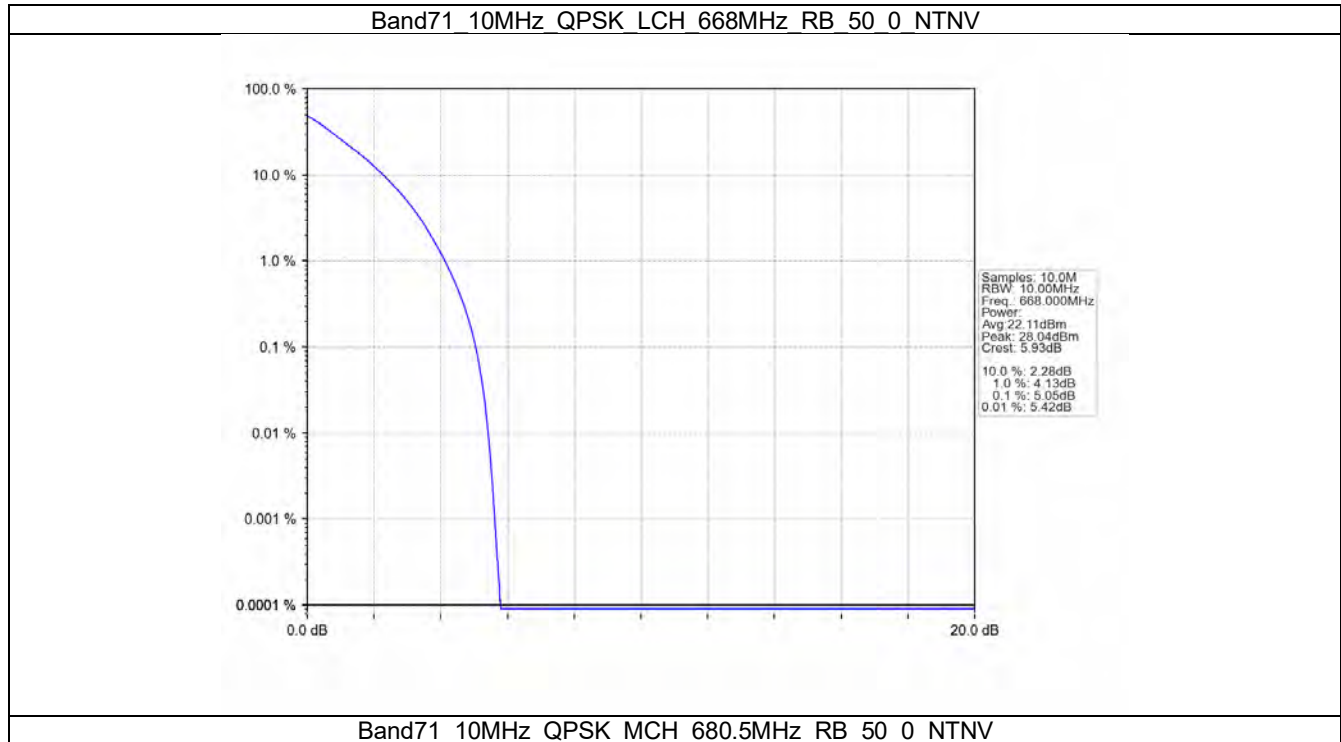
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4.2.2 Test Graph



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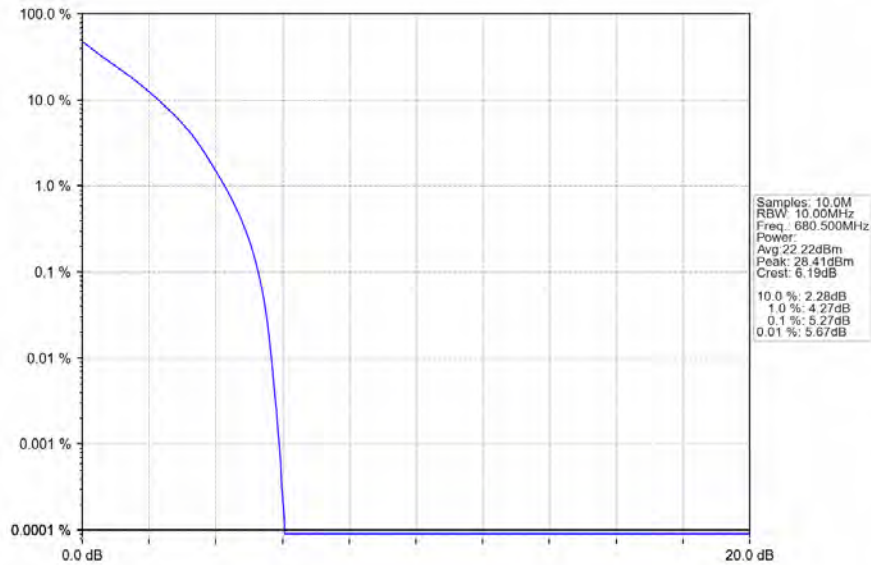


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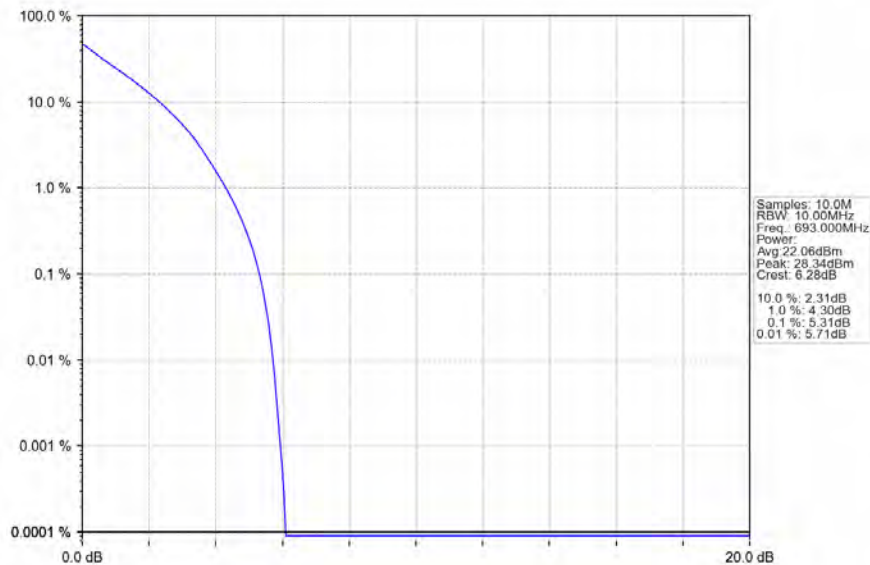
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Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



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



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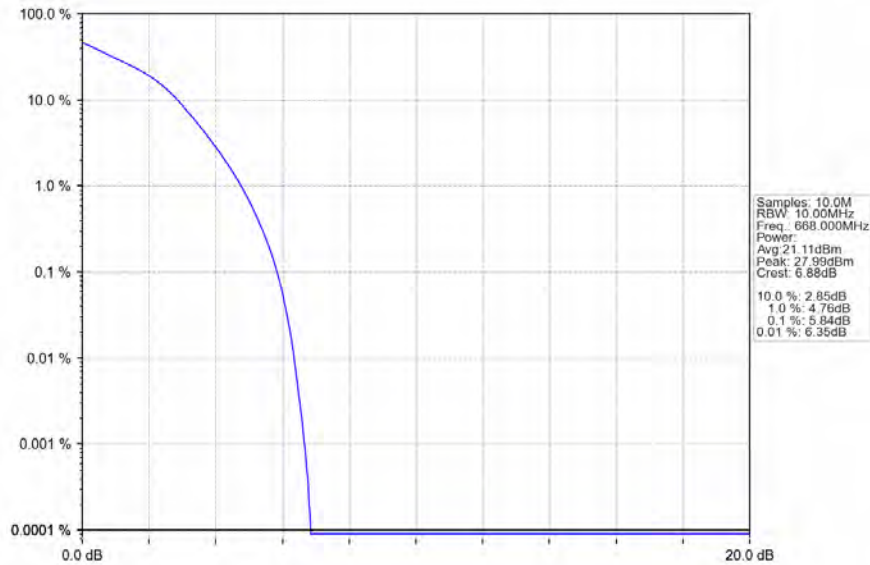


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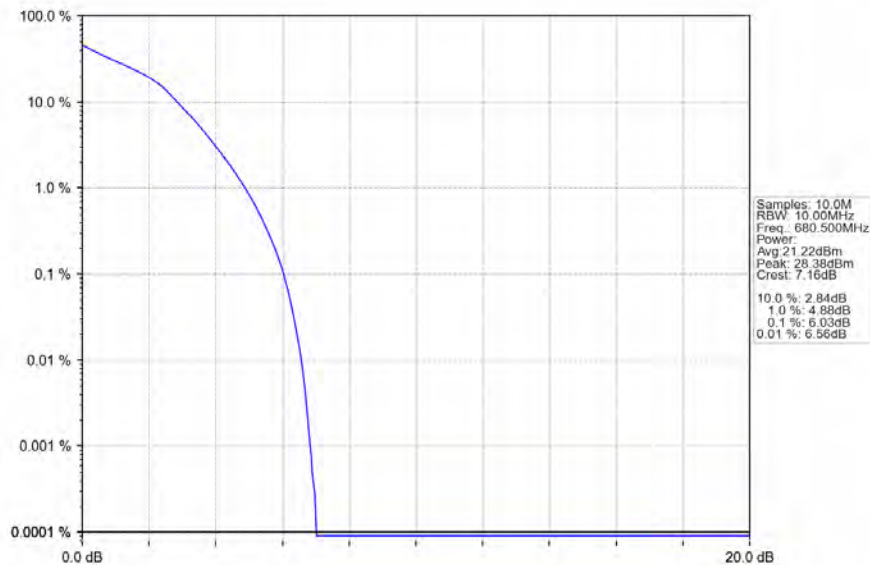
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Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



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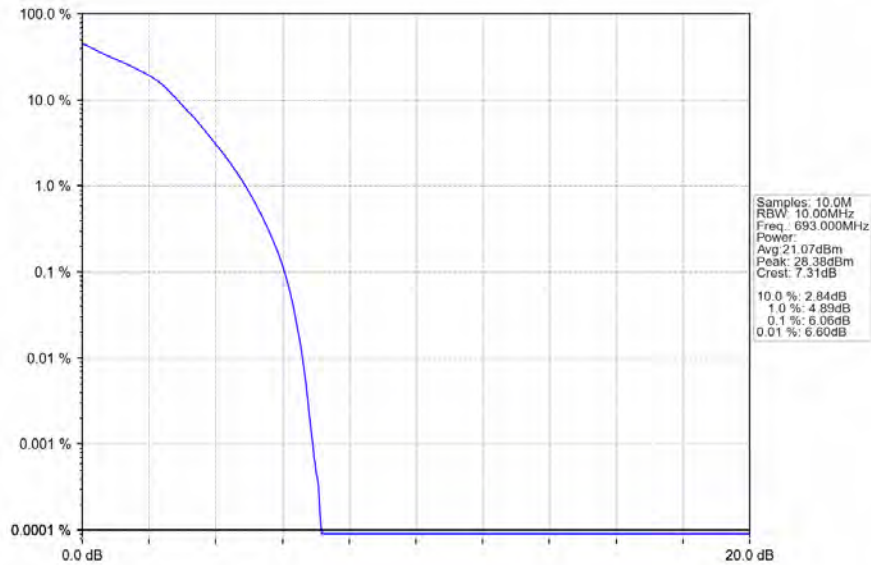


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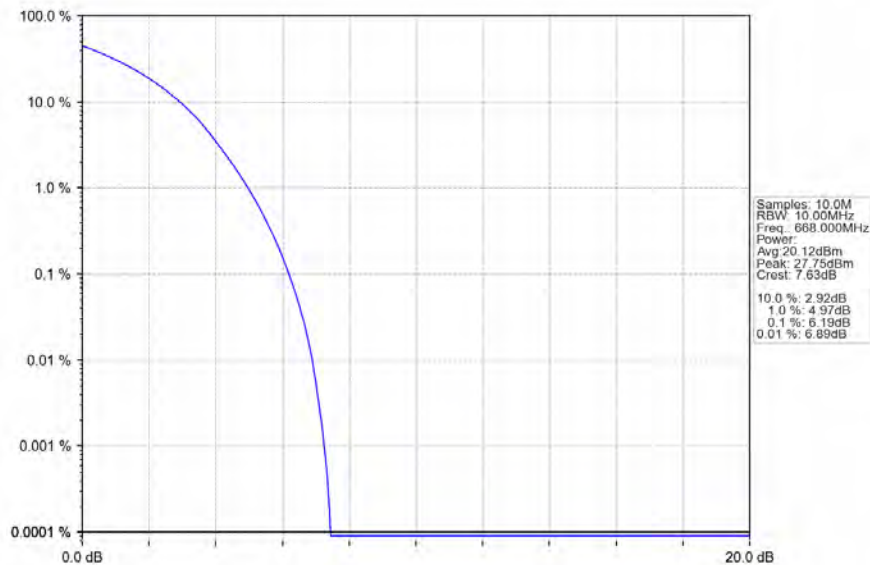
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Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



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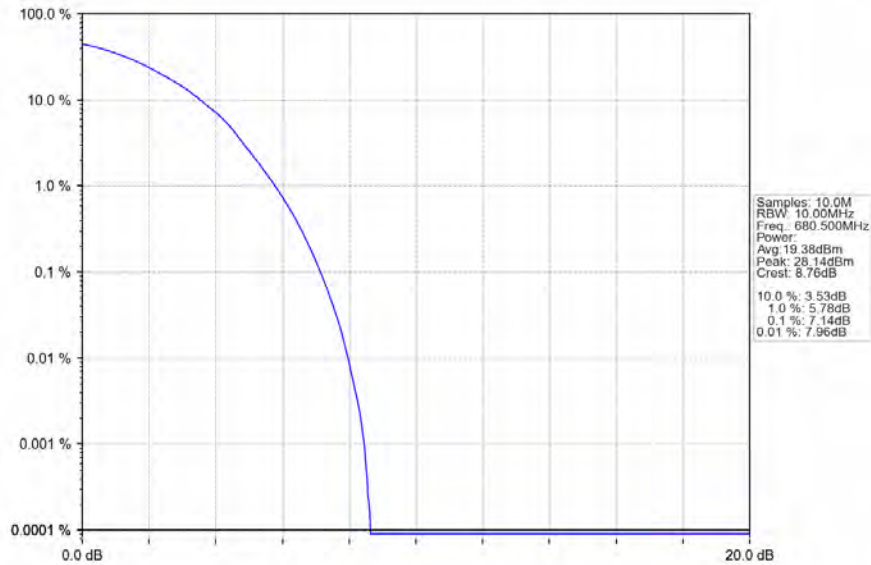


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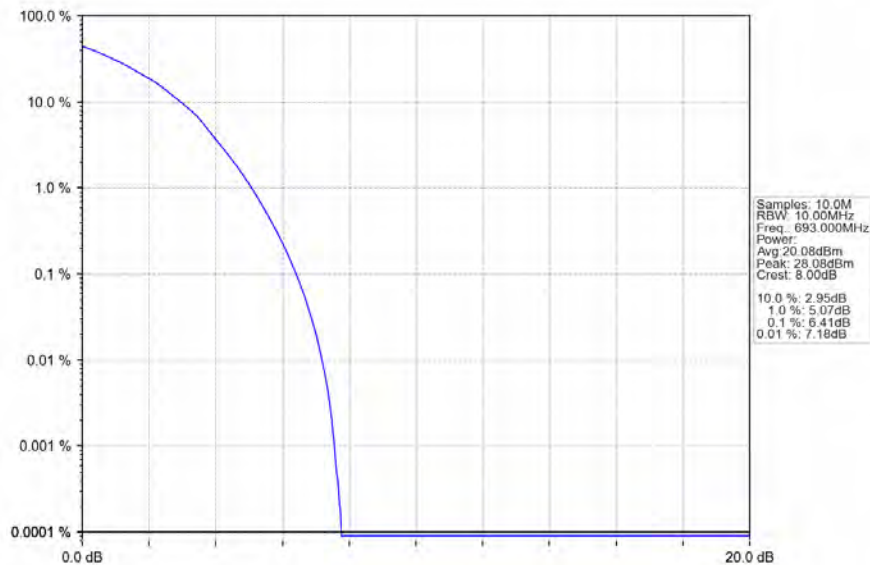
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Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



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4.3 B71_15MHz

4.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.21	<=13	Pass
	680.5	75	0	5.41	<=13	Pass
	690.5	75	0	5.35	<=13	Pass
16QAM	670.5	75	0	5.91	<=13	Pass
	680.5	75	0	6.09	<=13	Pass
	690.5	75	0	6.10	<=13	Pass
64QAM	670.5	75	0	6.27	<=13	Pass
	680.5	75	0	6.36	<=13	Pass
	690.5	75	0	6.40	<=13	Pass



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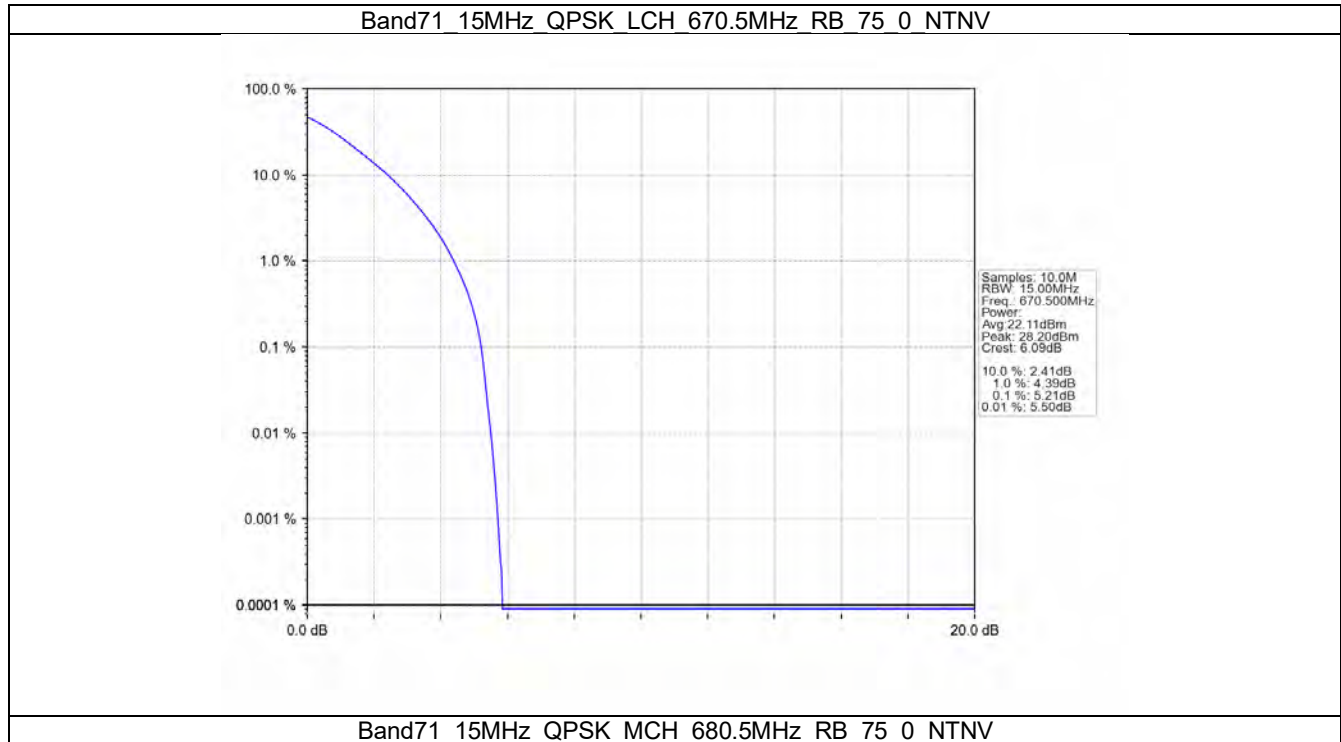
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4.3.2 Test Graph



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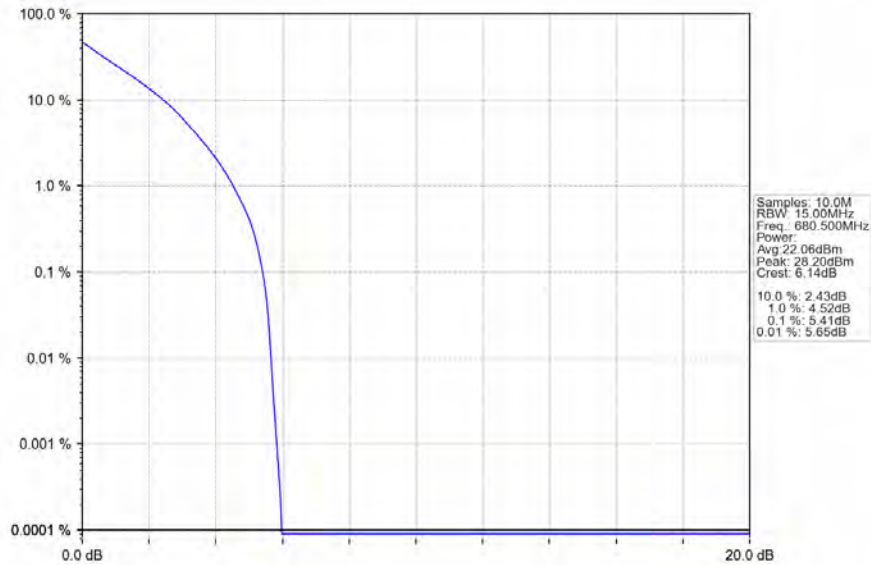


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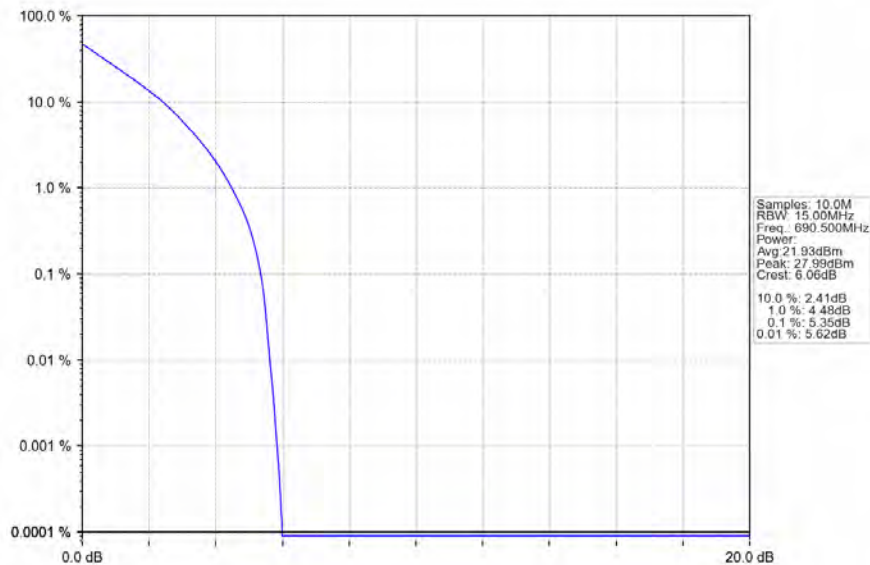
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Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



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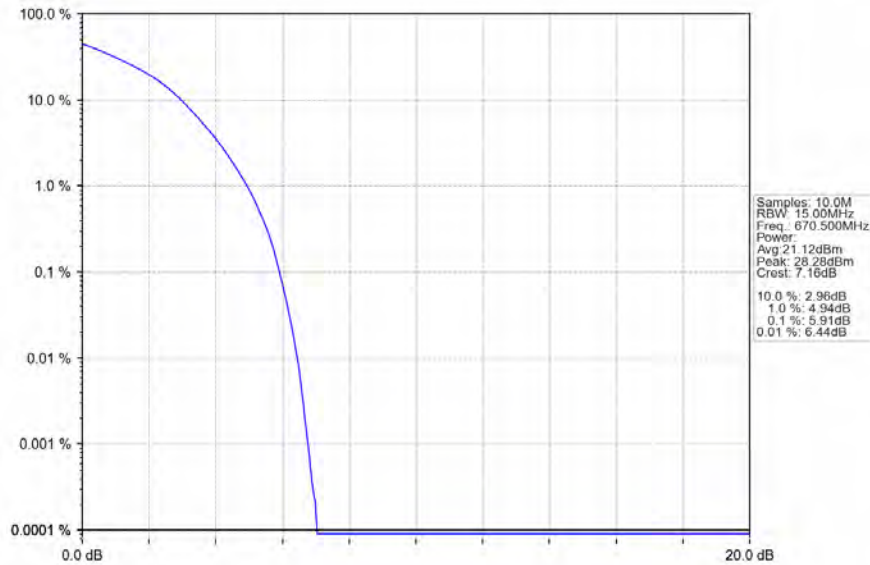


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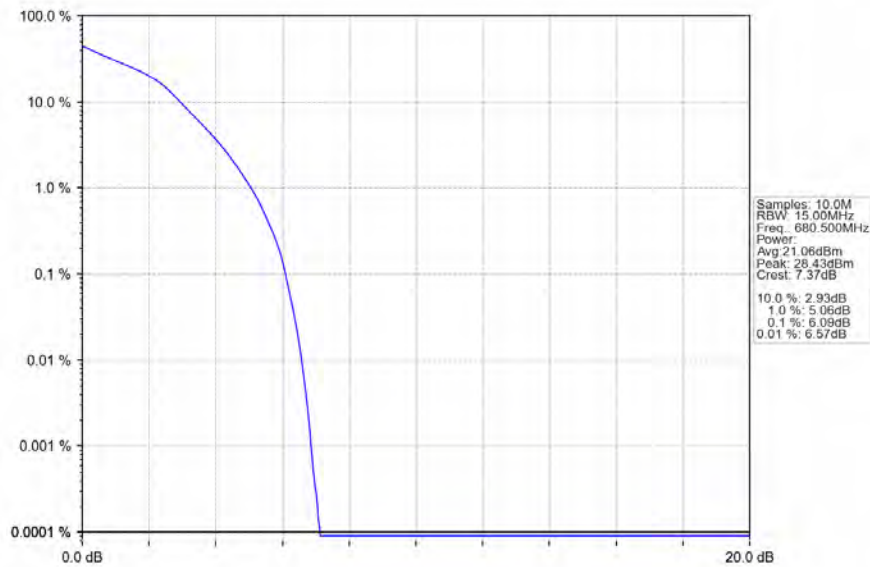
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Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



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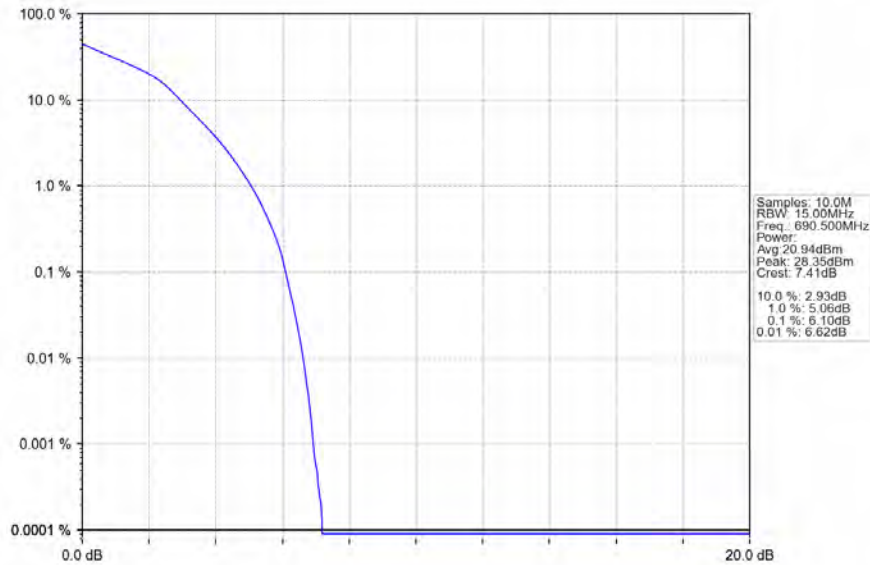


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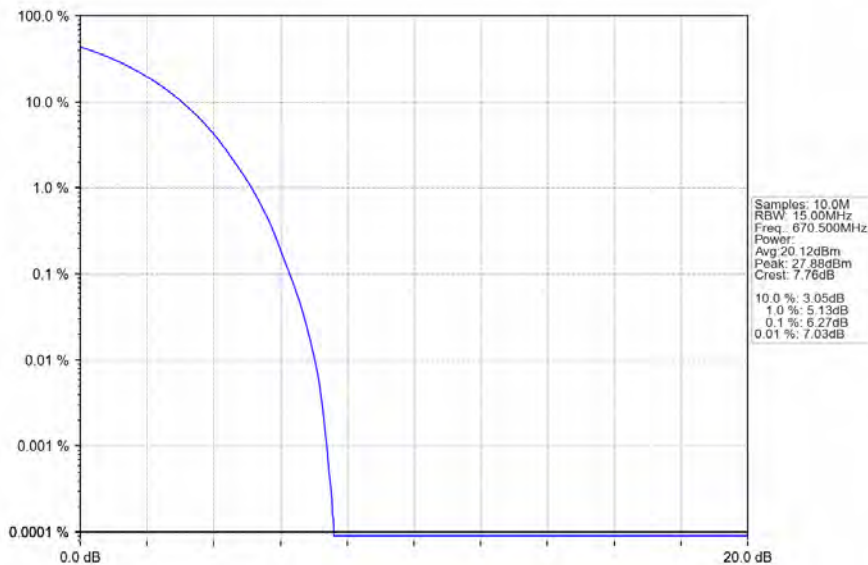
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Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



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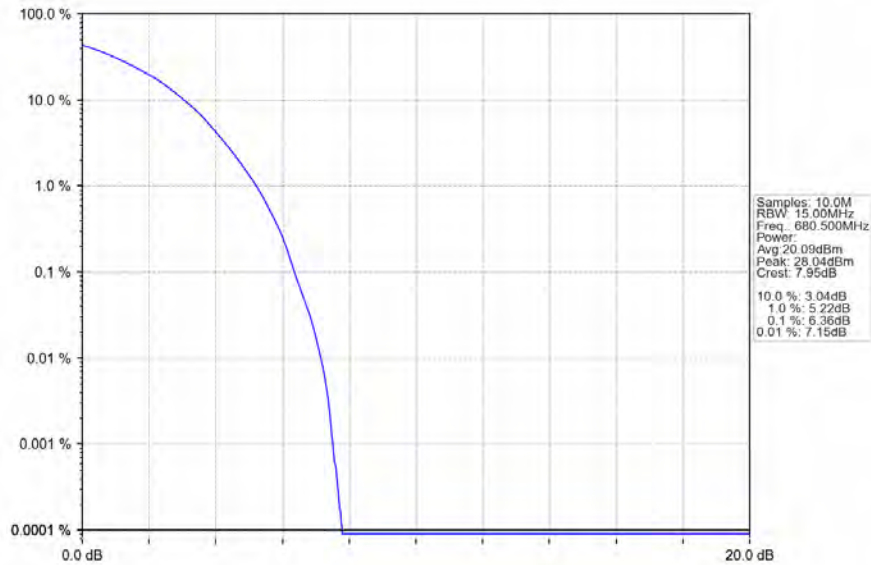


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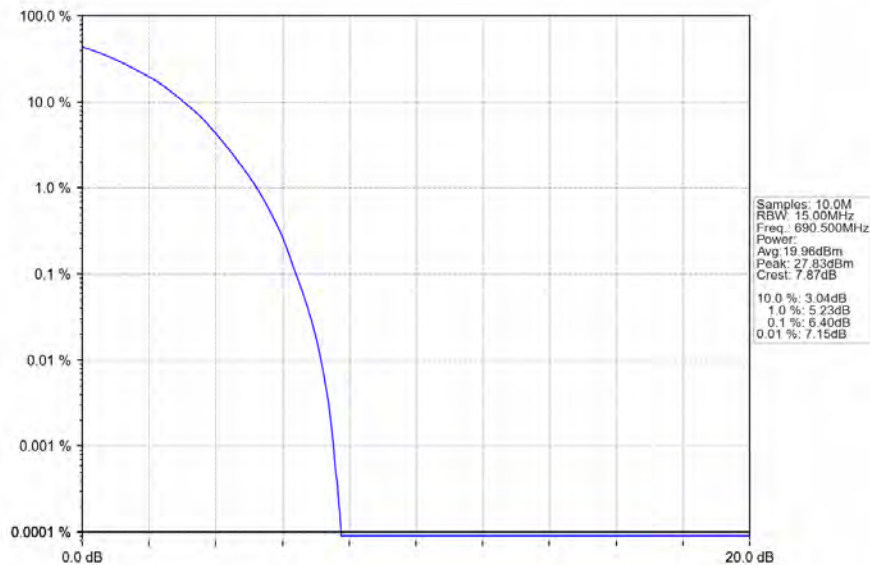
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Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



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4.4 B71_20MHz

4.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.14	<=13	Pass
	683	100	0	5.12	<=13	Pass
	688	100	0	5.15	<=13	Pass
16QAM	673	100	0	5.95	<=13	Pass
	683	100	0	5.97	<=13	Pass
	688	100	0	5.98	<=13	Pass
64QAM	673	100	0	6.29	<=13	Pass
	683	100	0	6.27	<=13	Pass
	688	100	0	6.33	<=13	Pass



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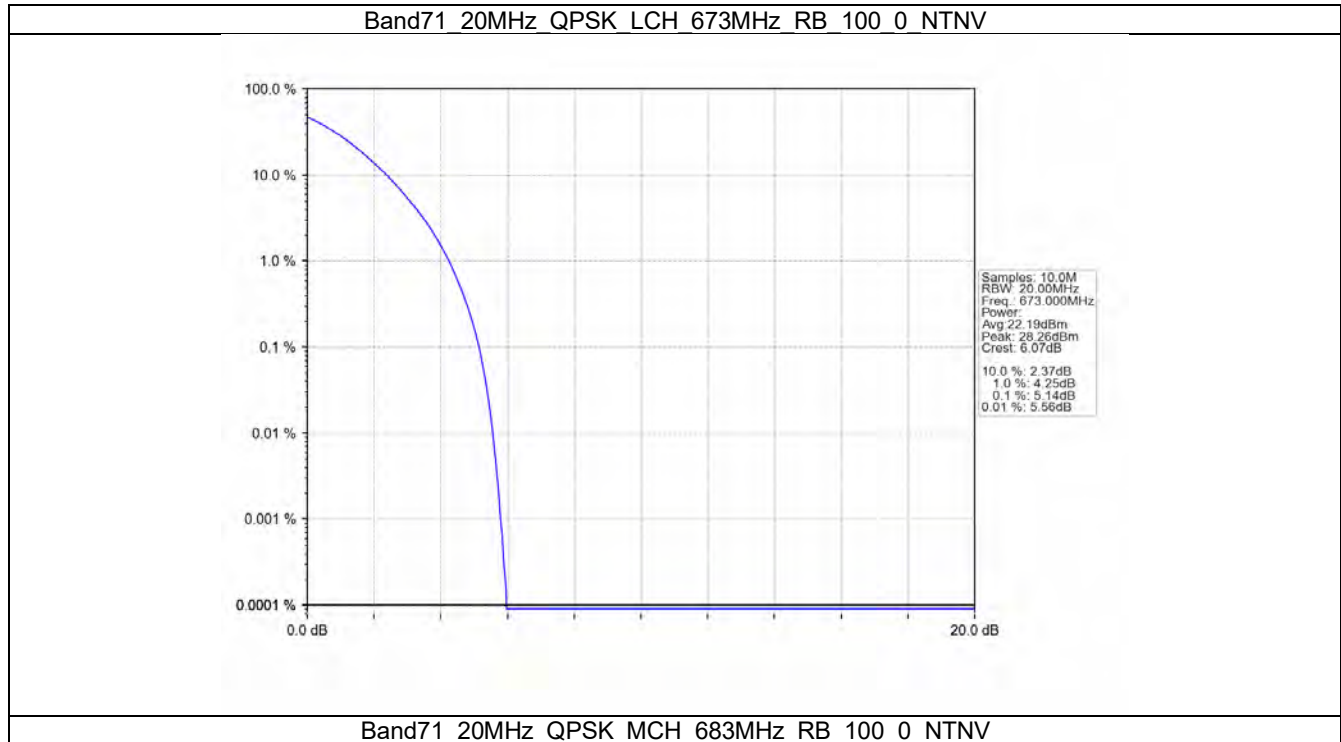
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4.4.2 Test Graph



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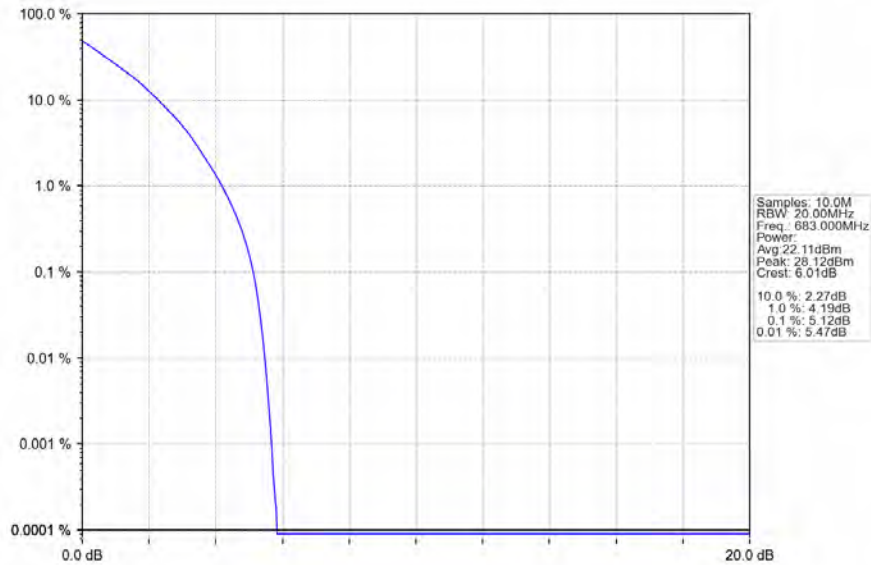


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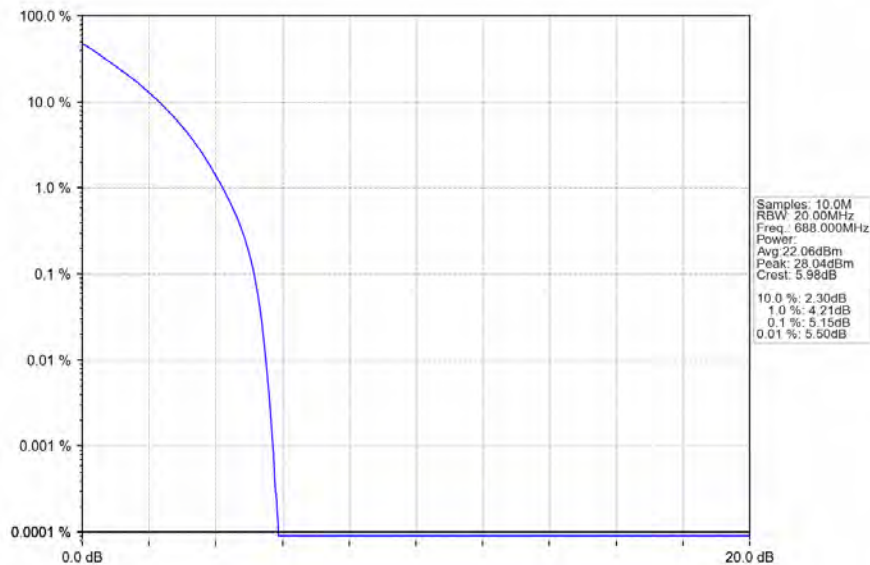
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Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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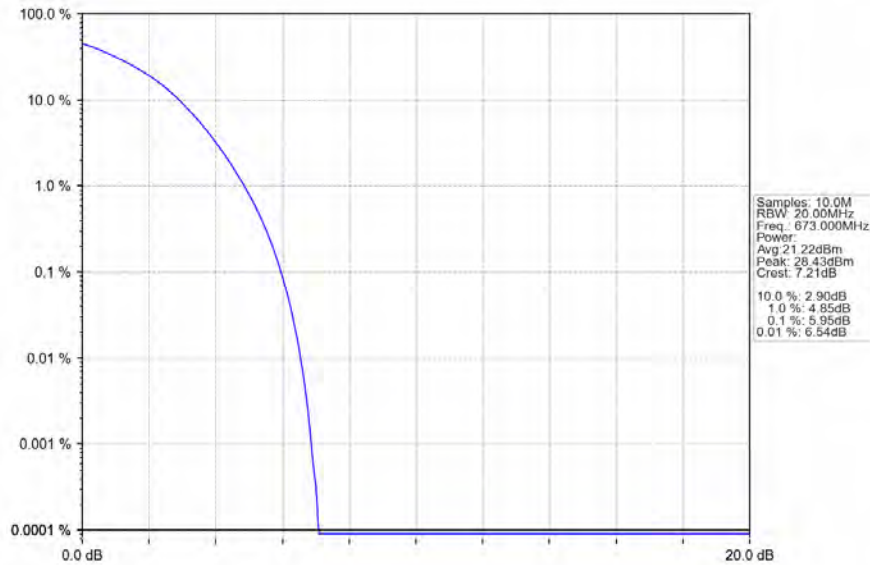


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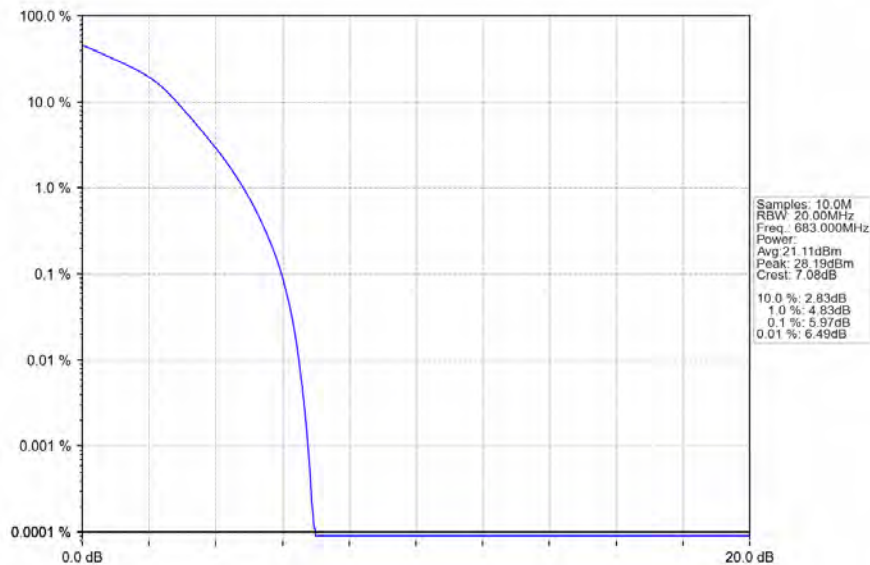
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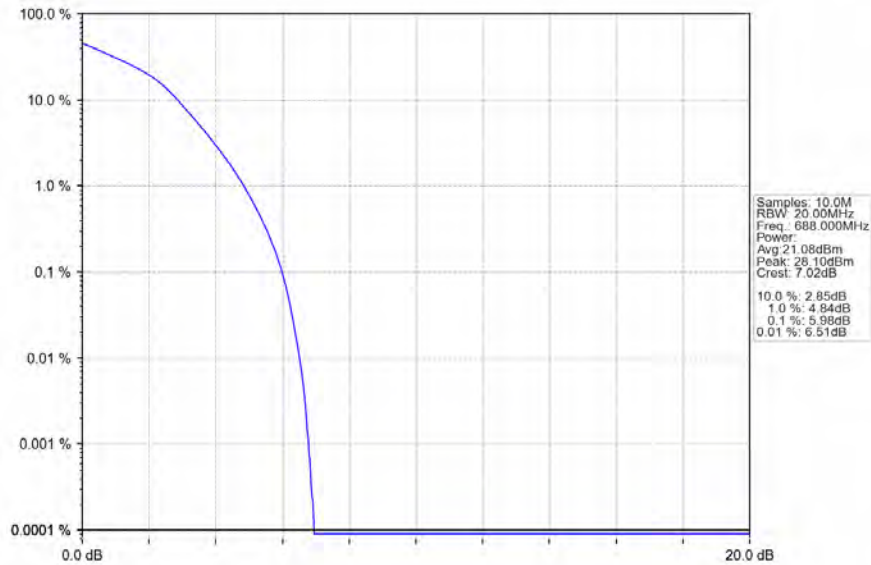


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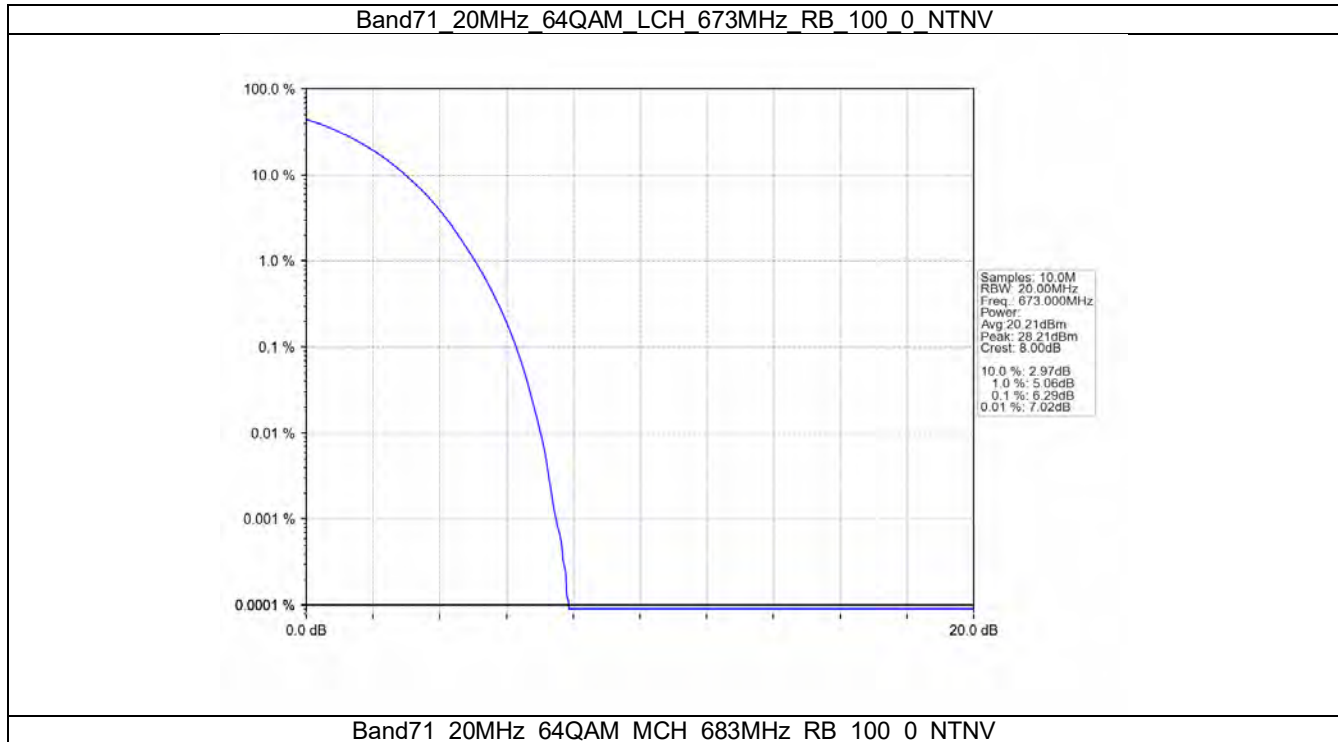


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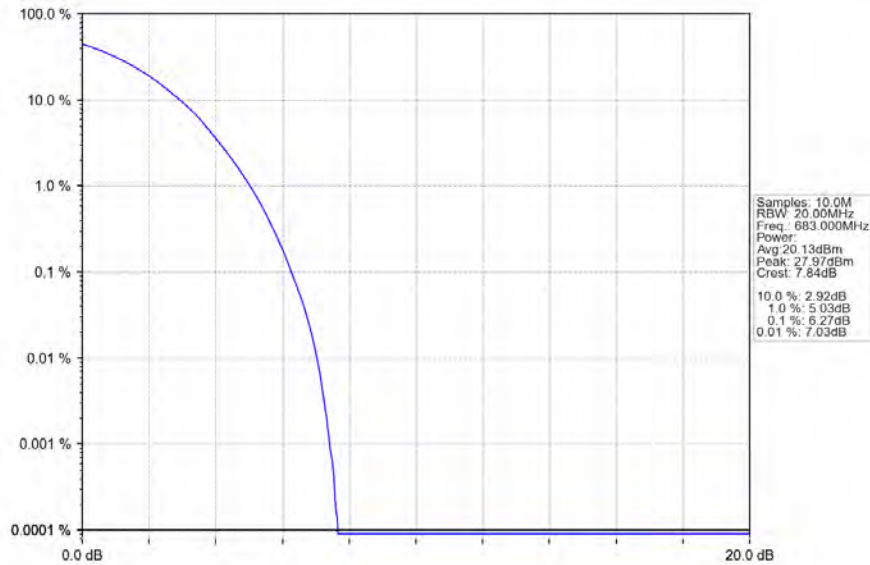


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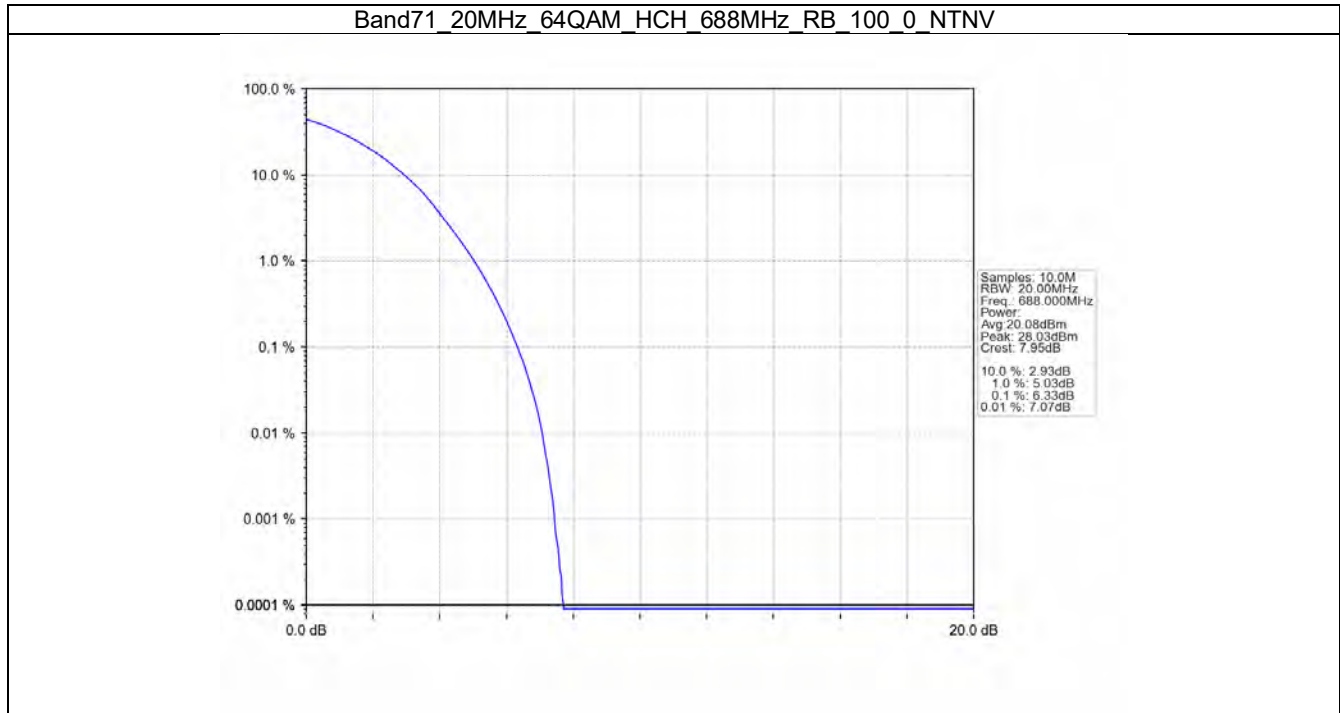


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5. Spurious Emission & Band Edges

5.1 B71_5MHz

5.1.1 Test Result

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
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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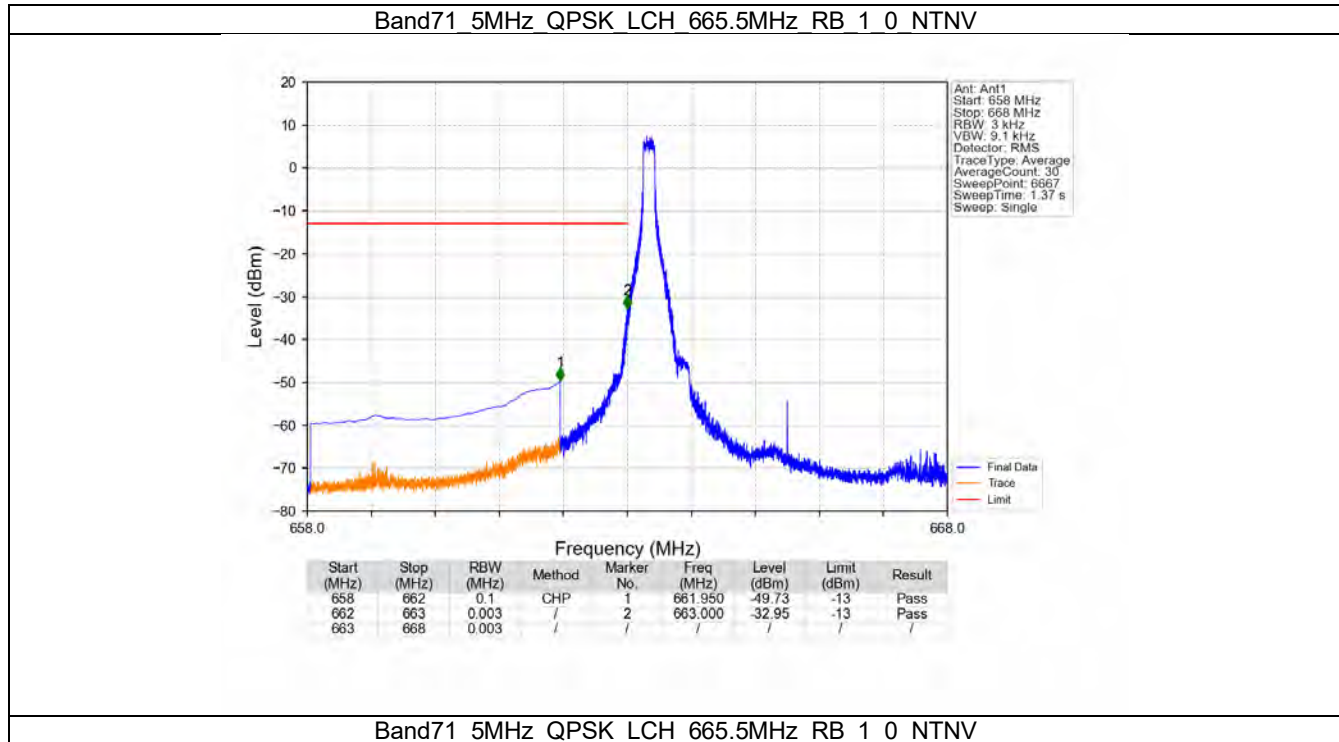
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5.1.2 Test Graph



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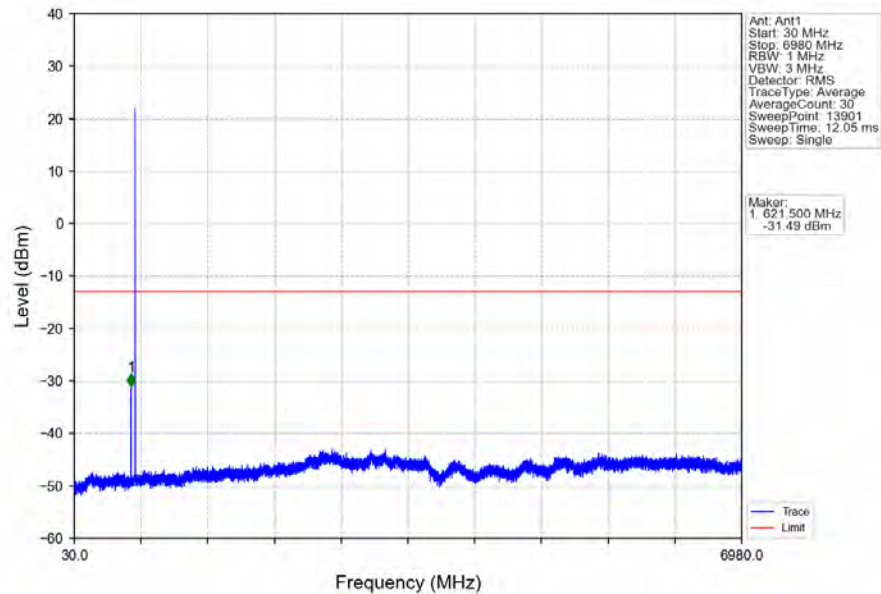


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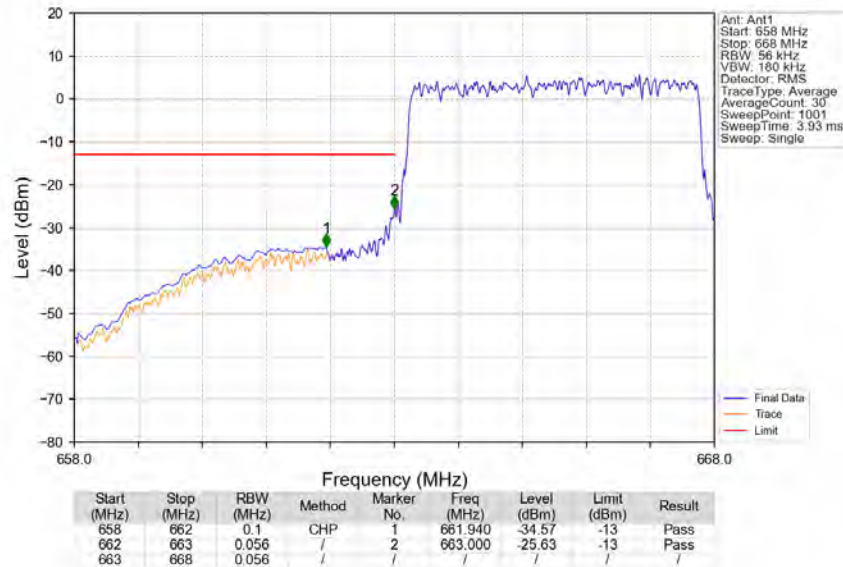
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Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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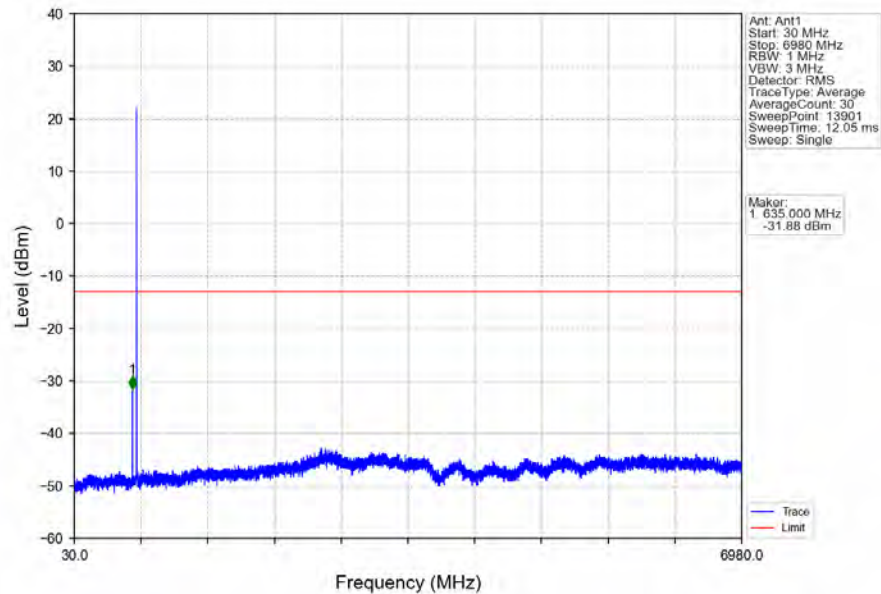


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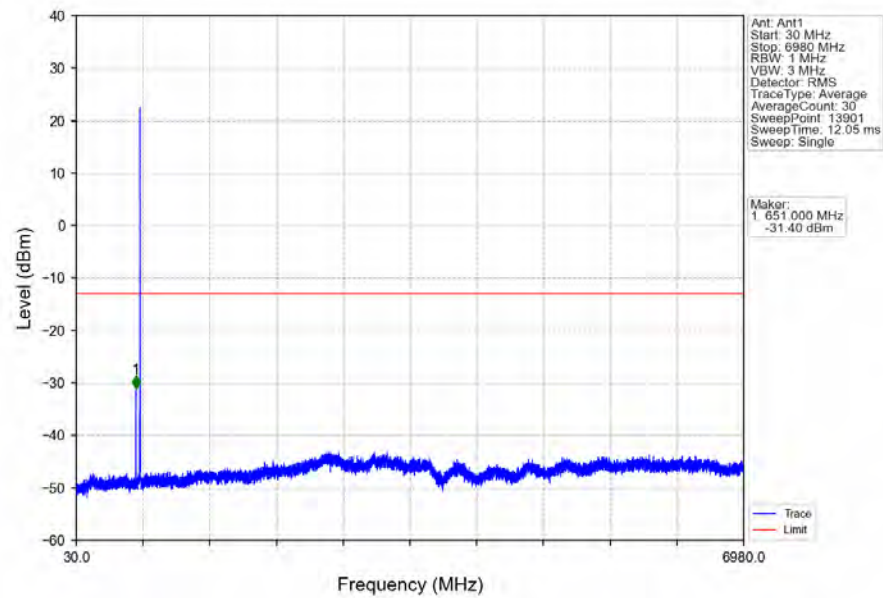
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



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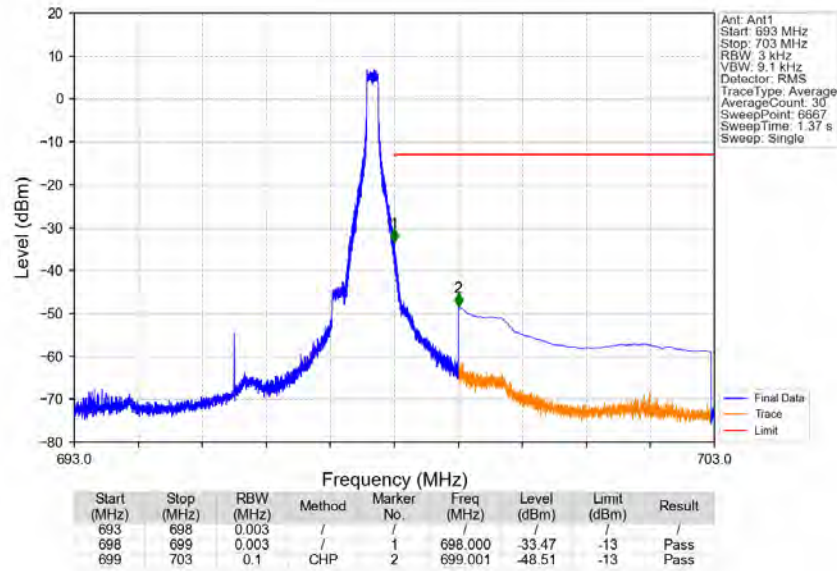


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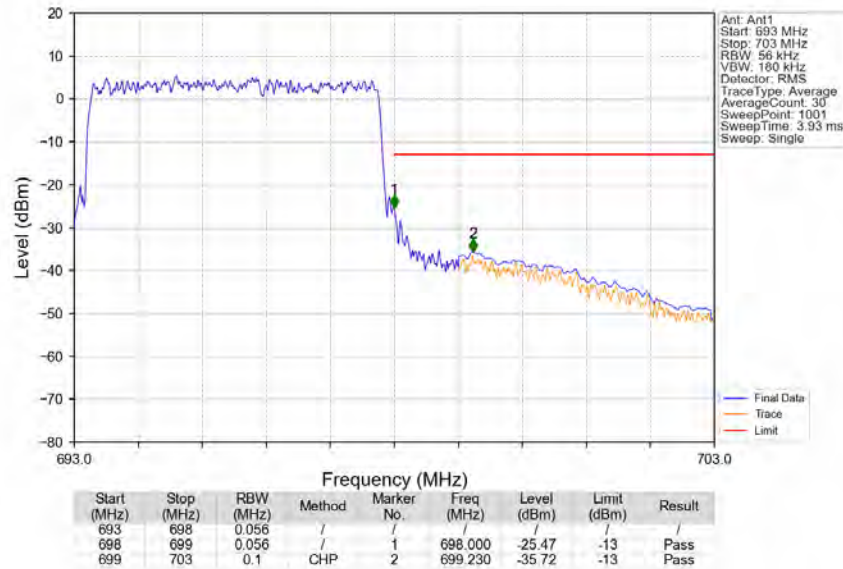
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Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



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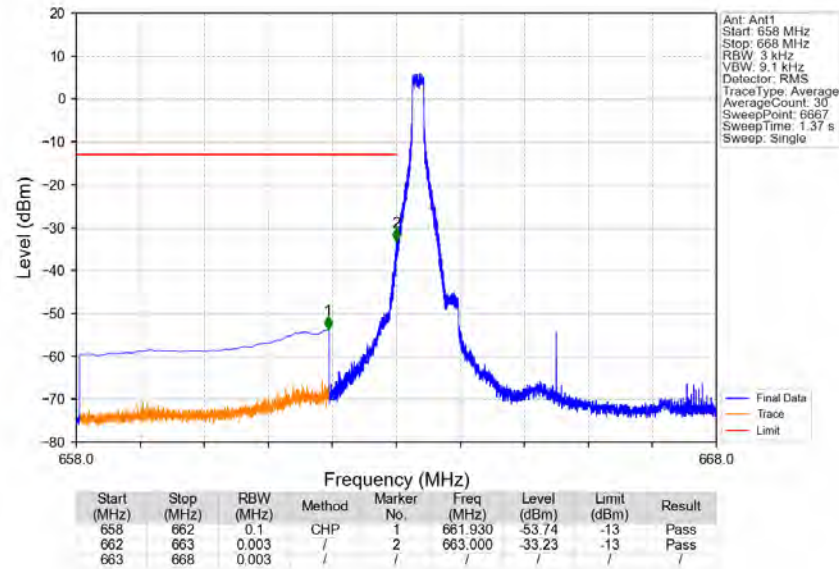


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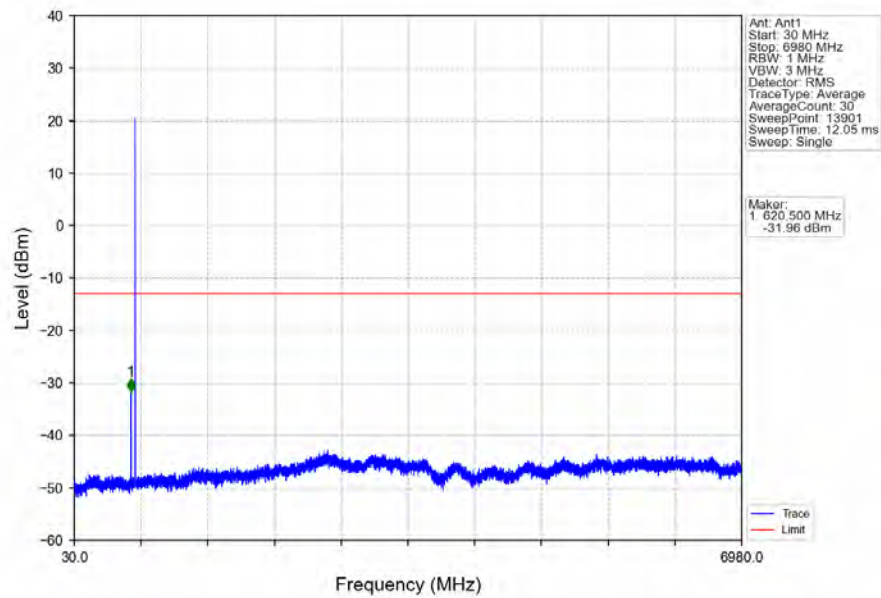
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Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



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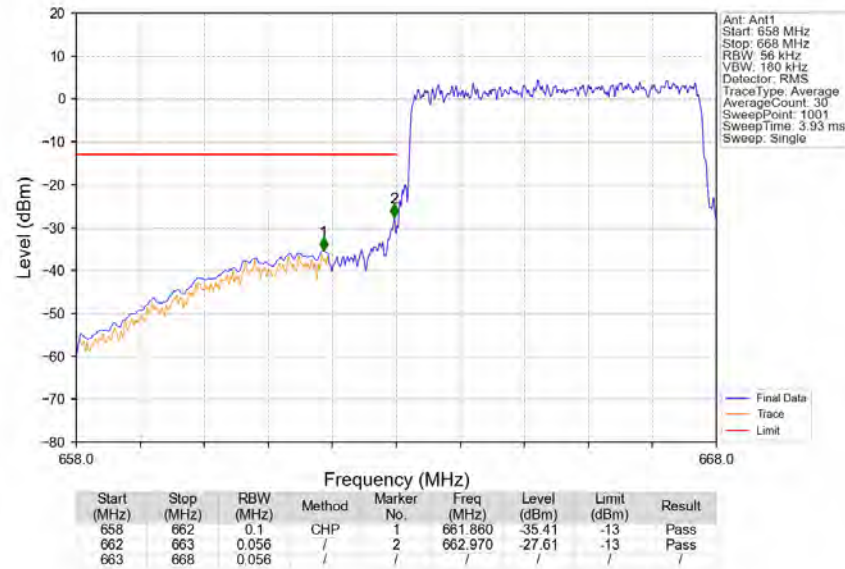


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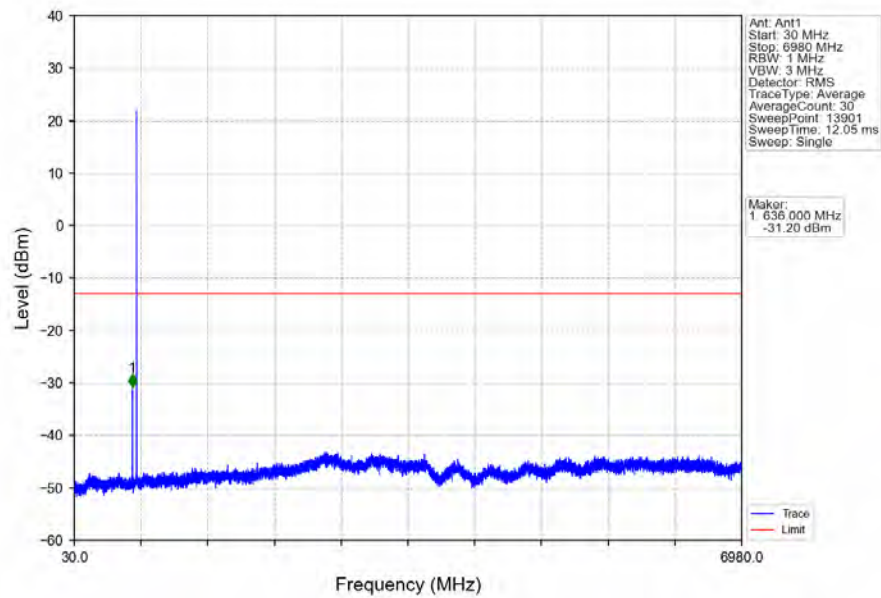
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Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



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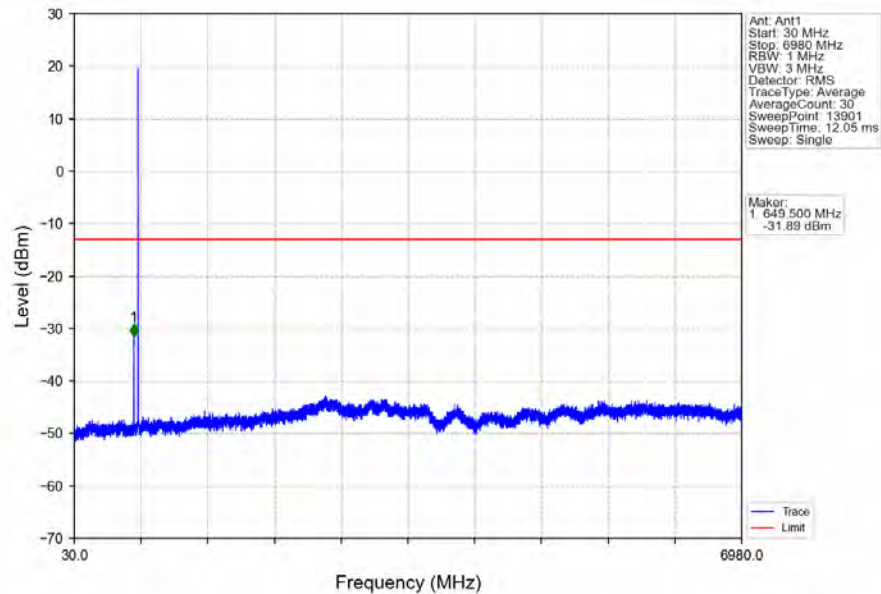


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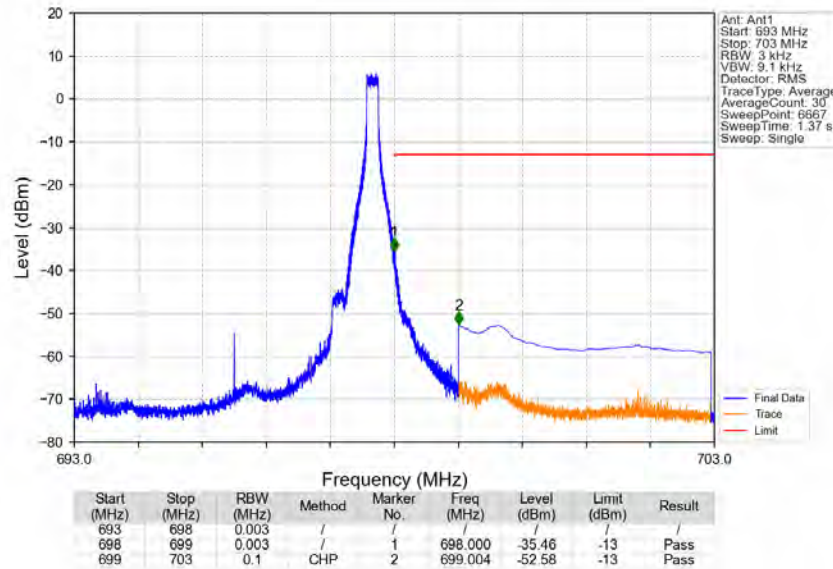
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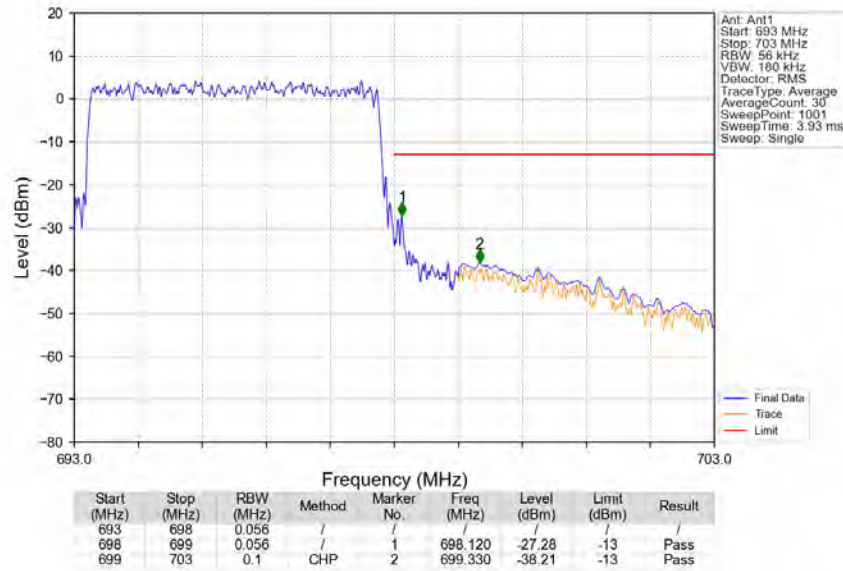


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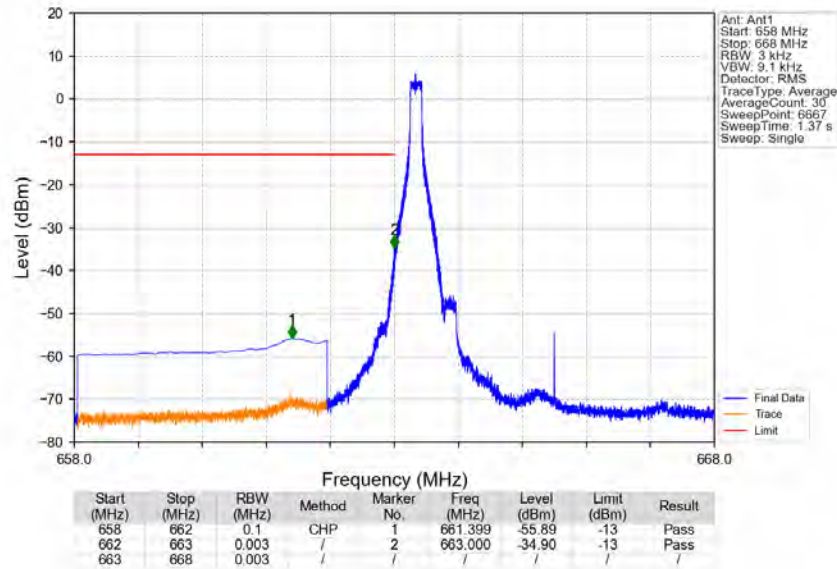
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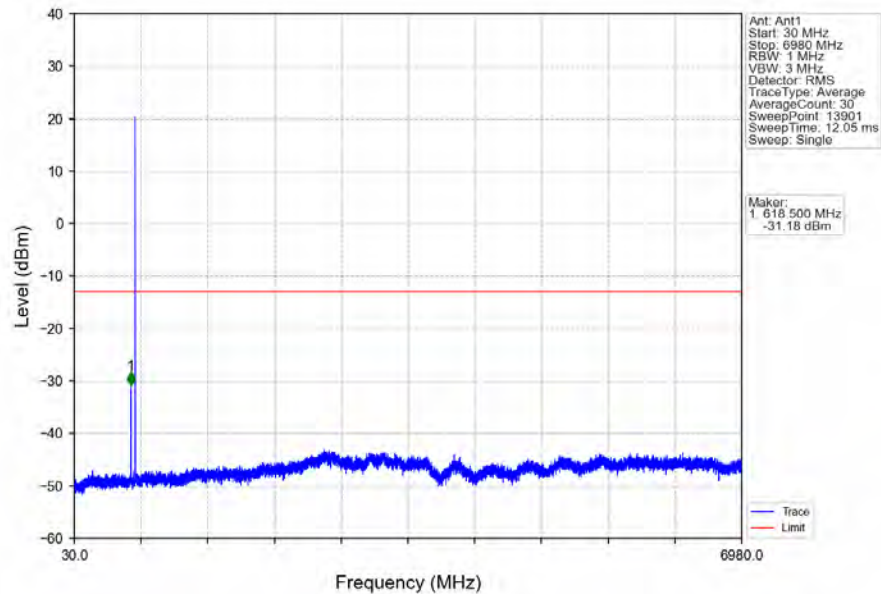


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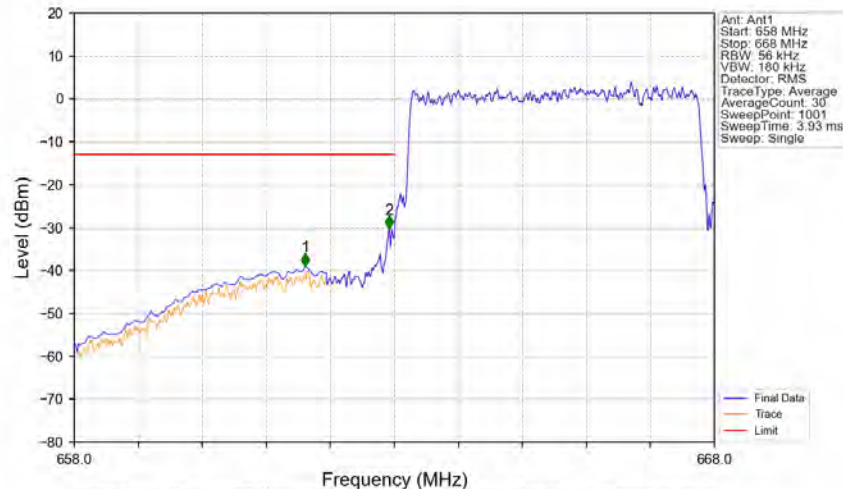
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.610	-39.02	-13	Pass
662	663	0.056	/	2	662.920	-30.32	-13	Pass
663	668	0.056	/	/	/	/	/	/

Band71_5MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



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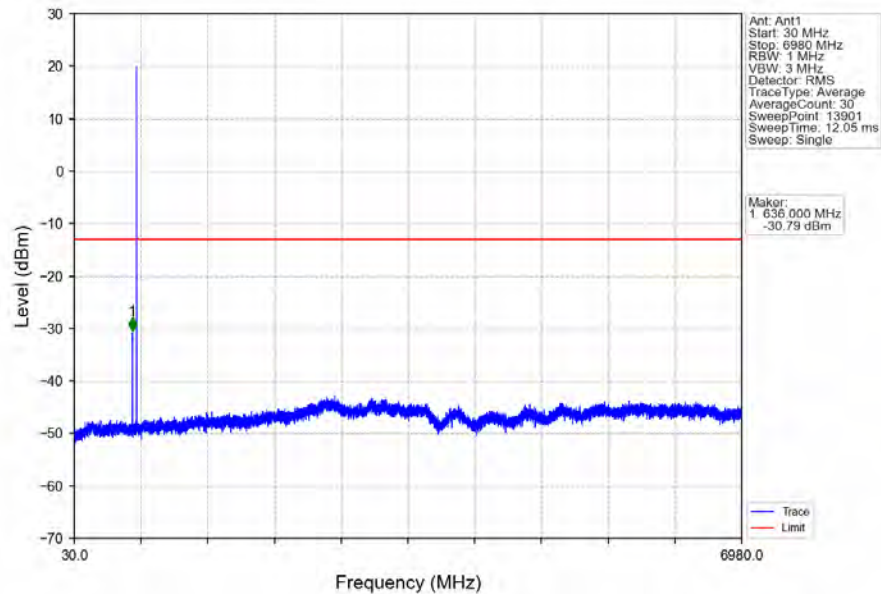


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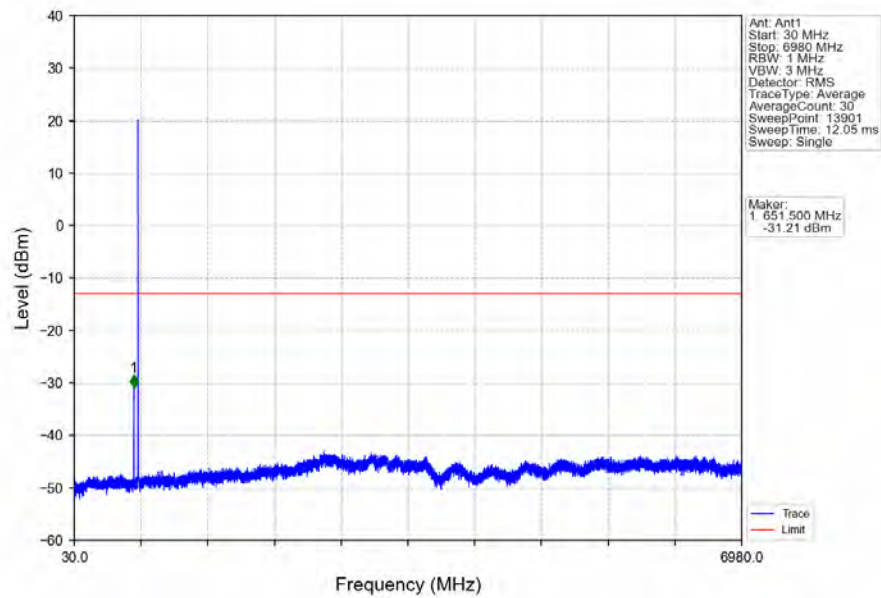
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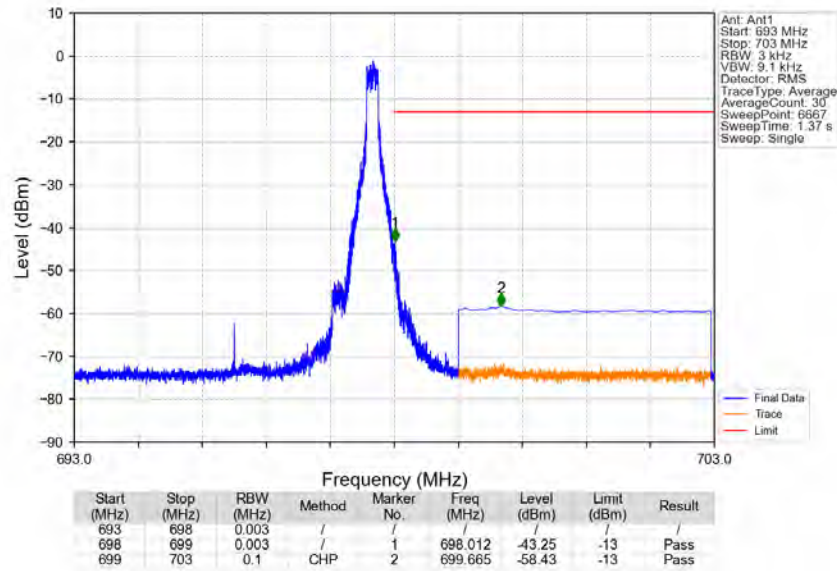


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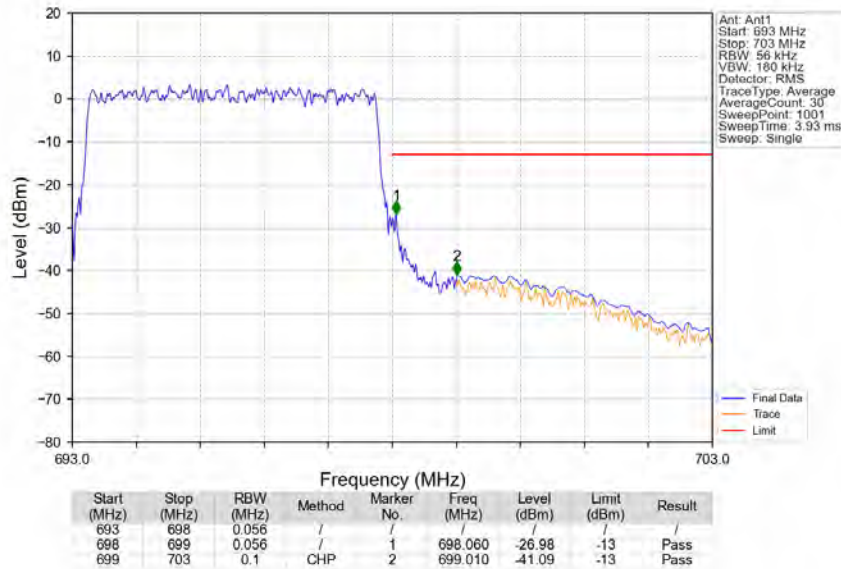
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5.2 B71_10MHz

5.2.1 Test Result

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
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
	50	0	Refer To Test Graph		Pass	



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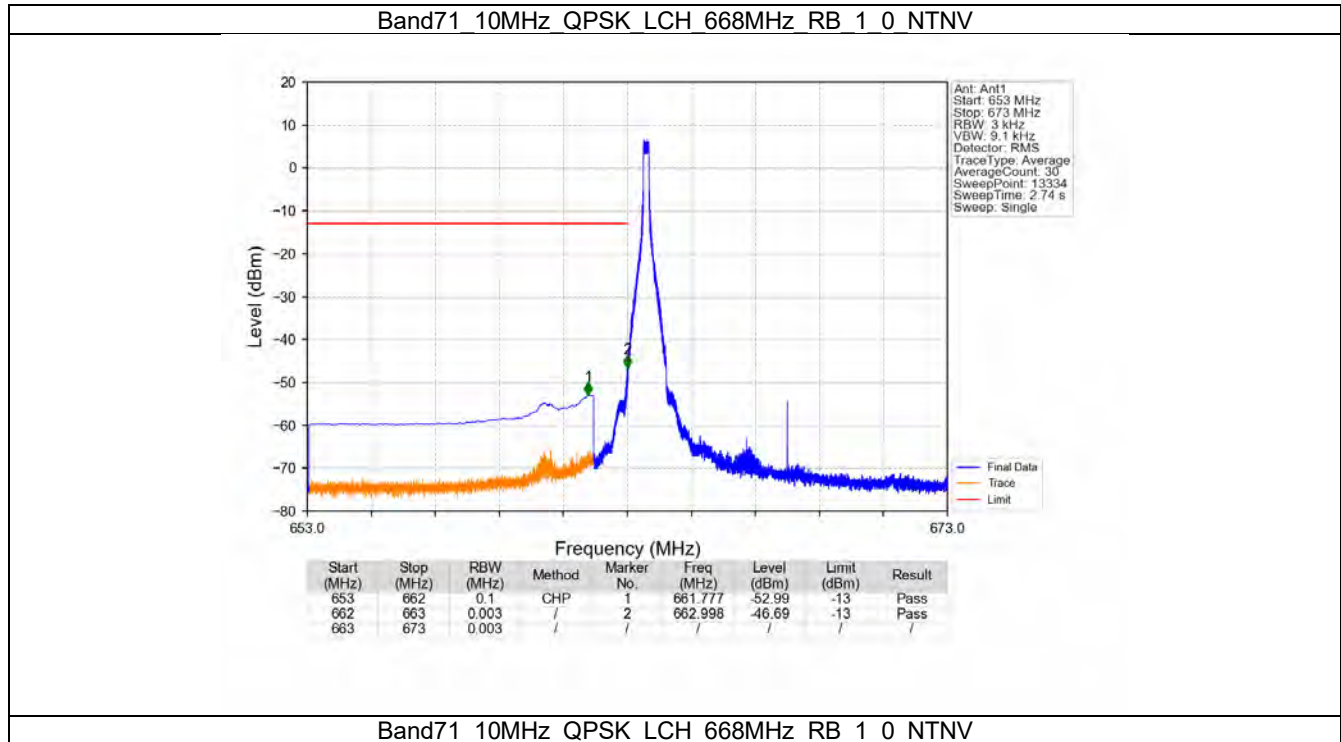
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5.2.2 Test Graph



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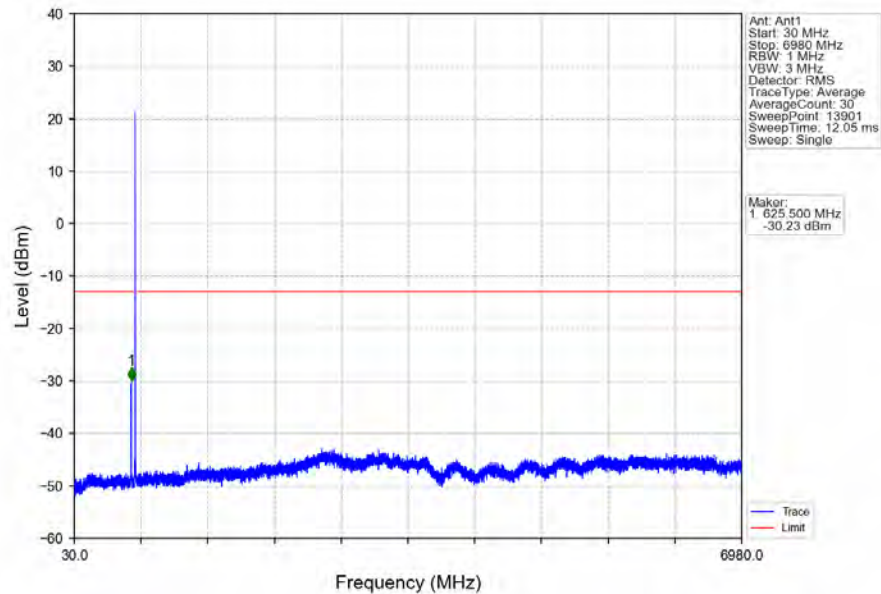


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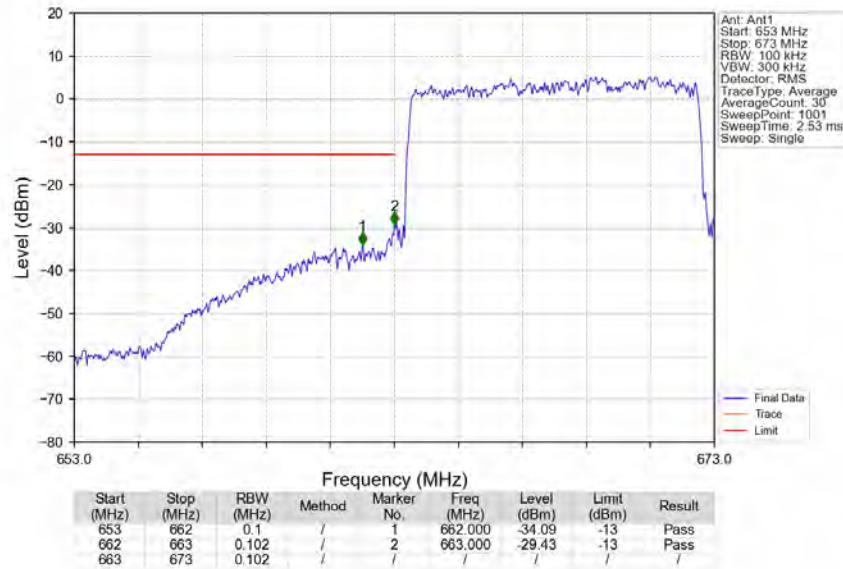
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Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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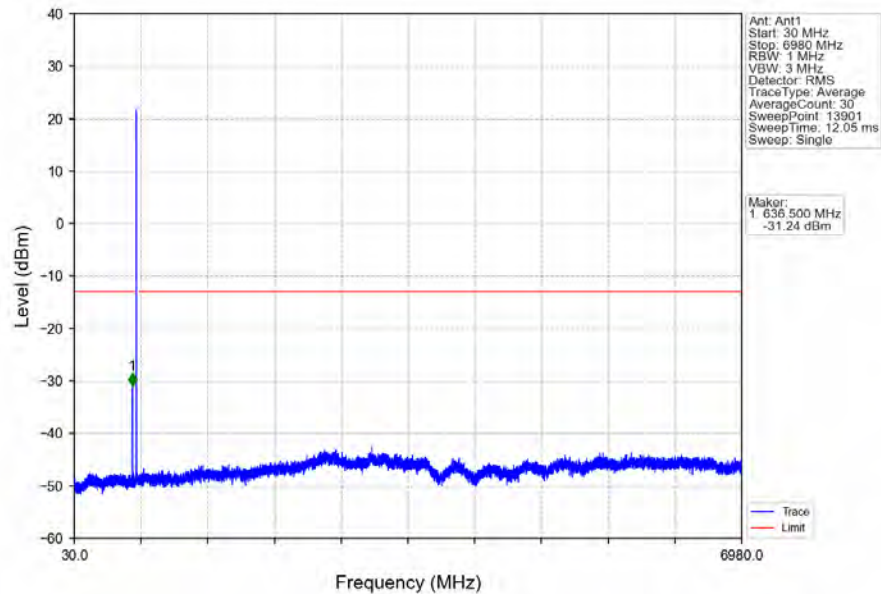


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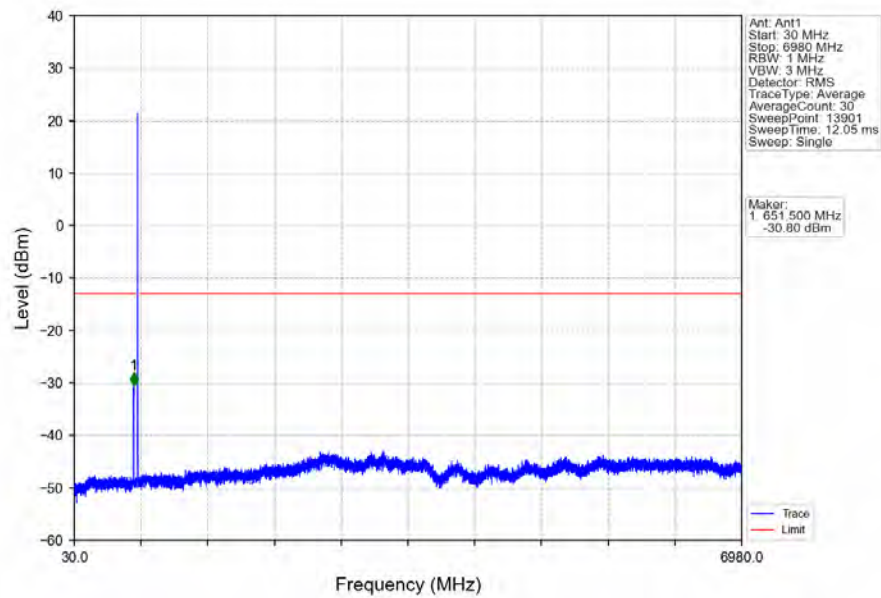
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Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



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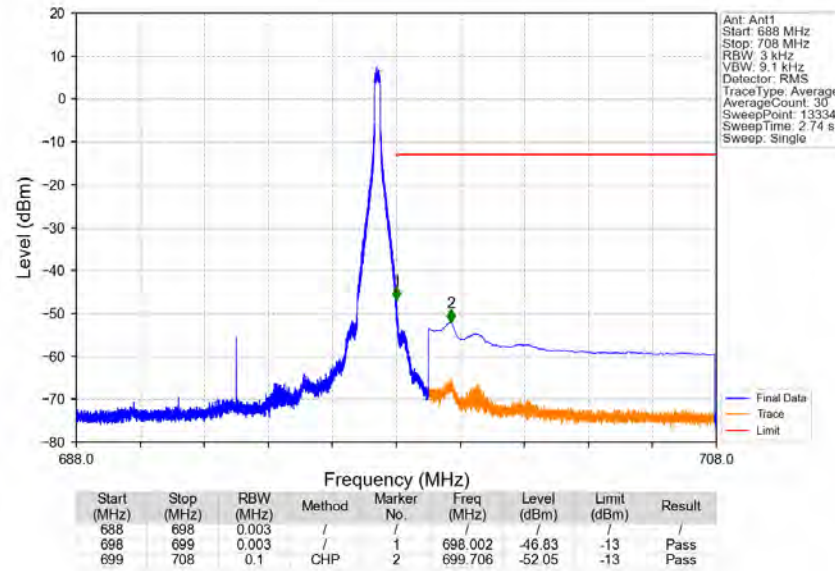


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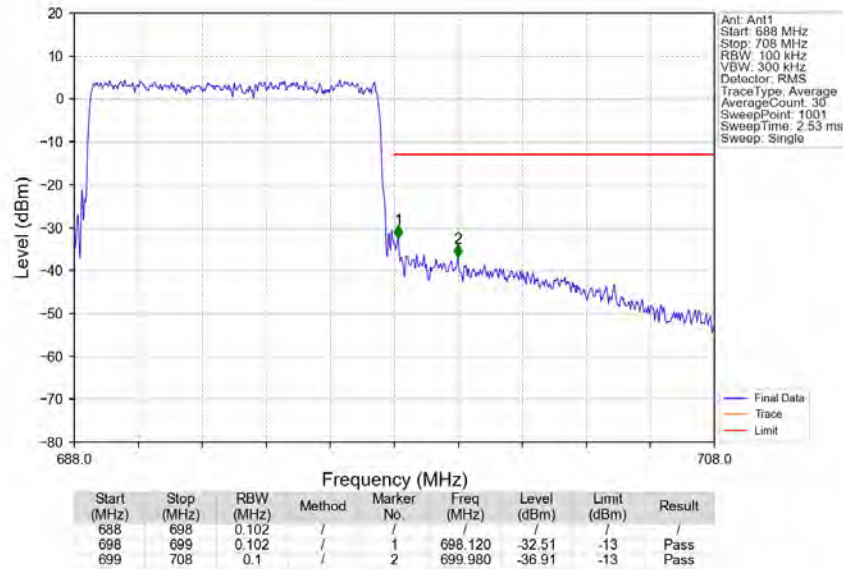
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Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



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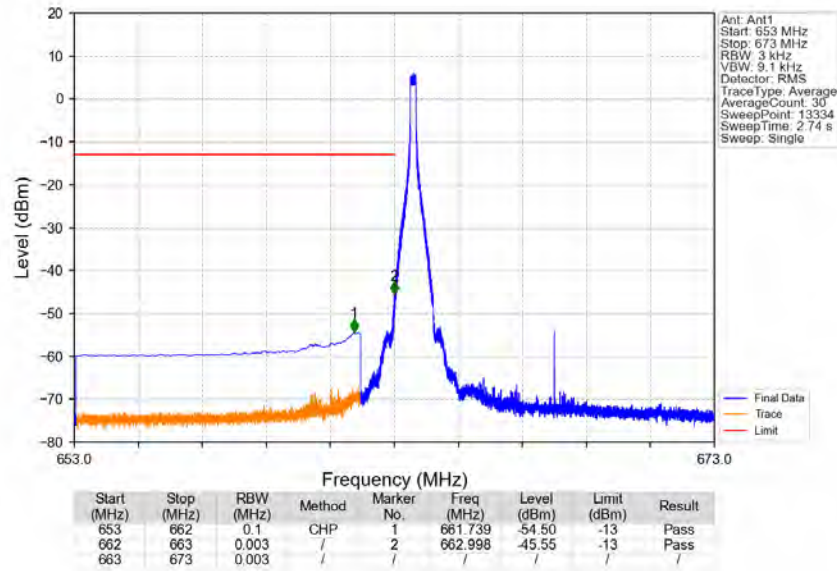


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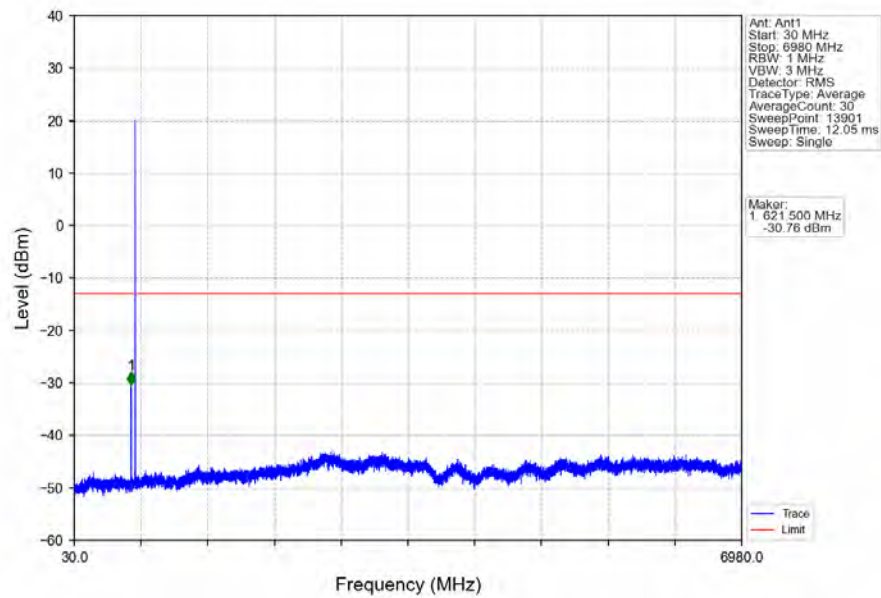
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Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



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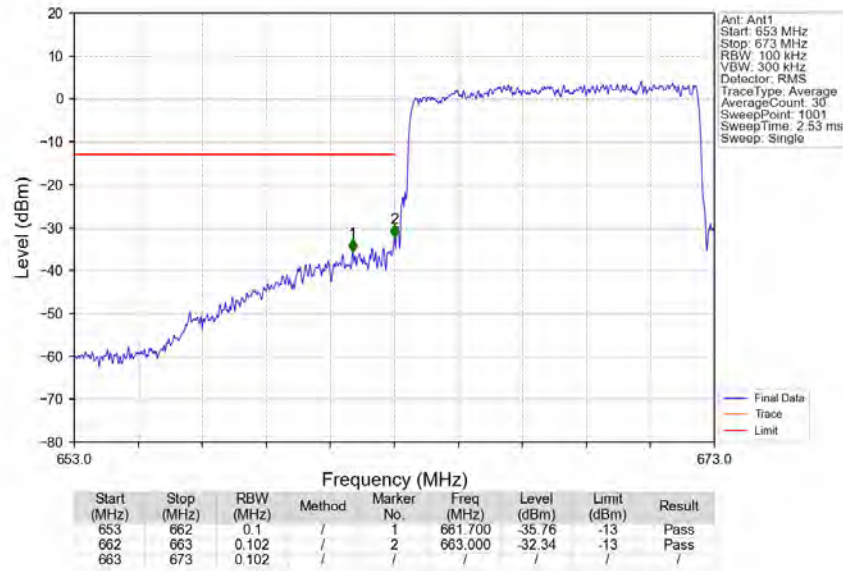


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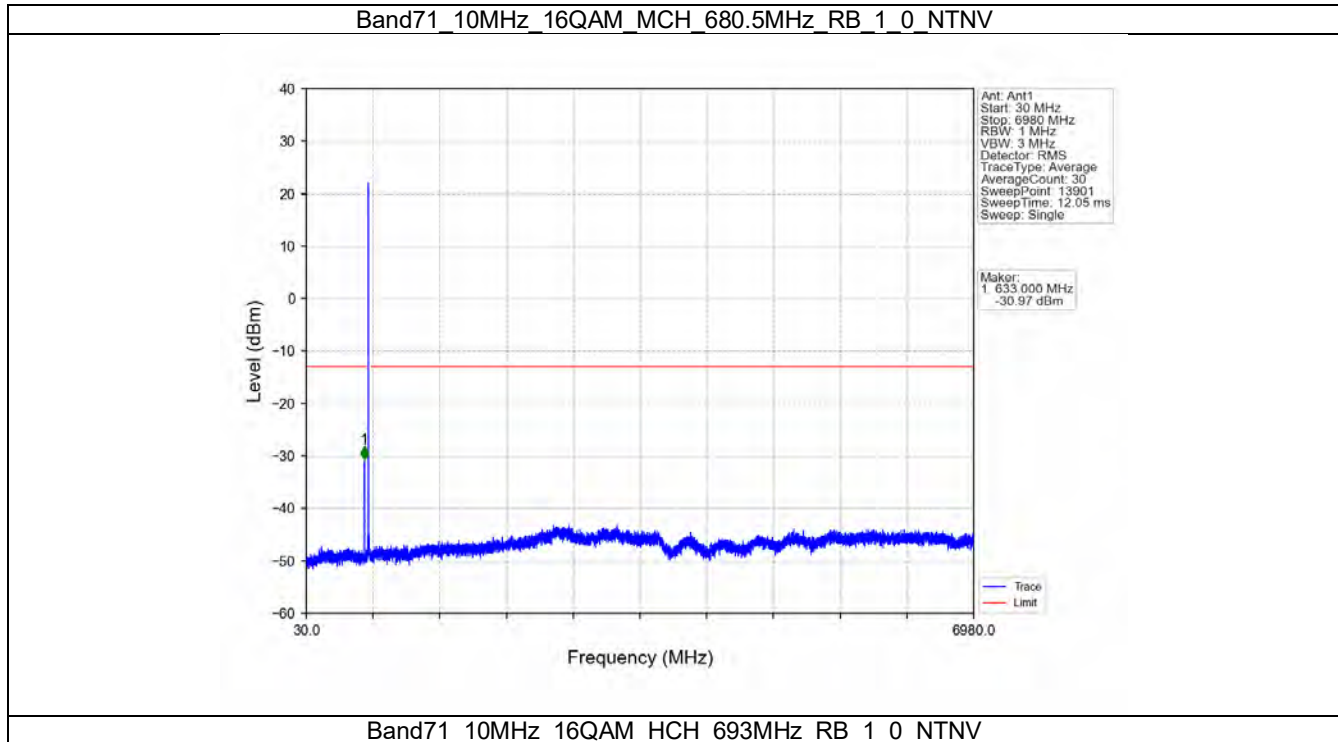


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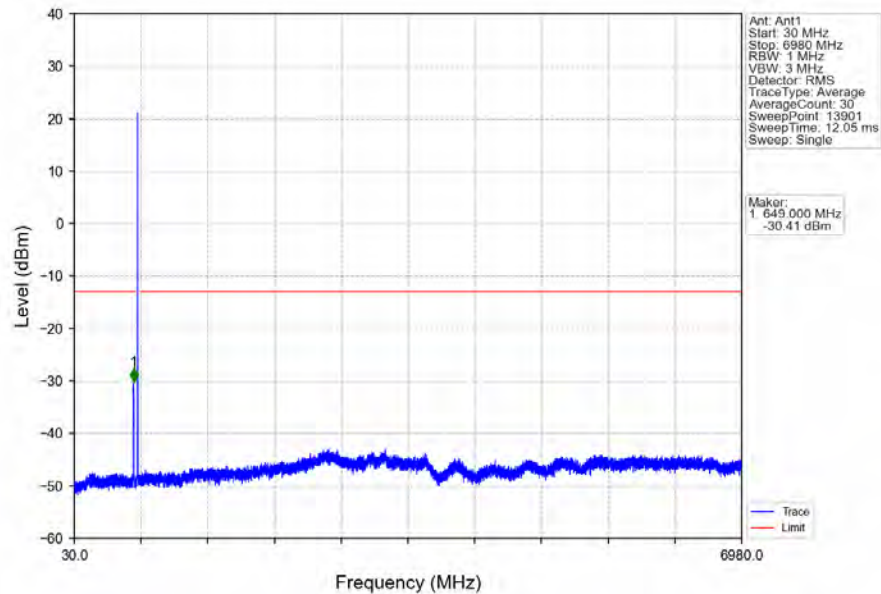


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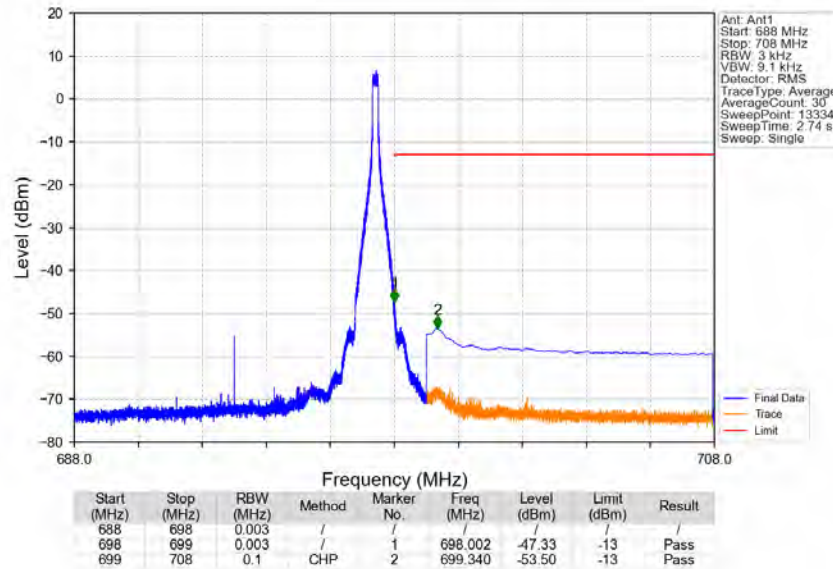
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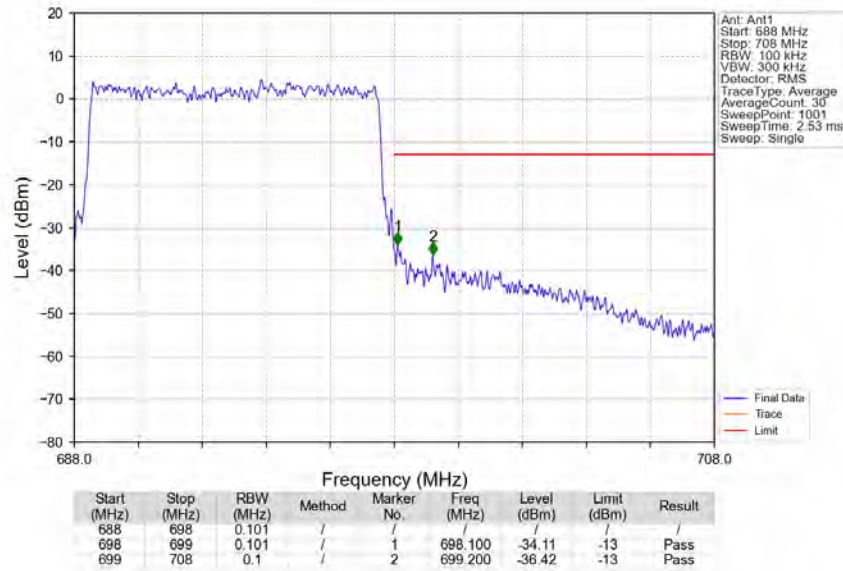


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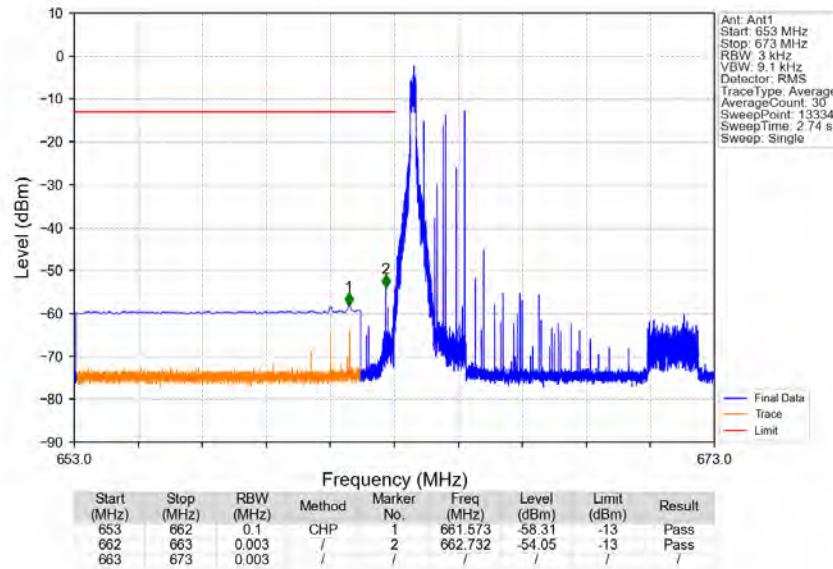
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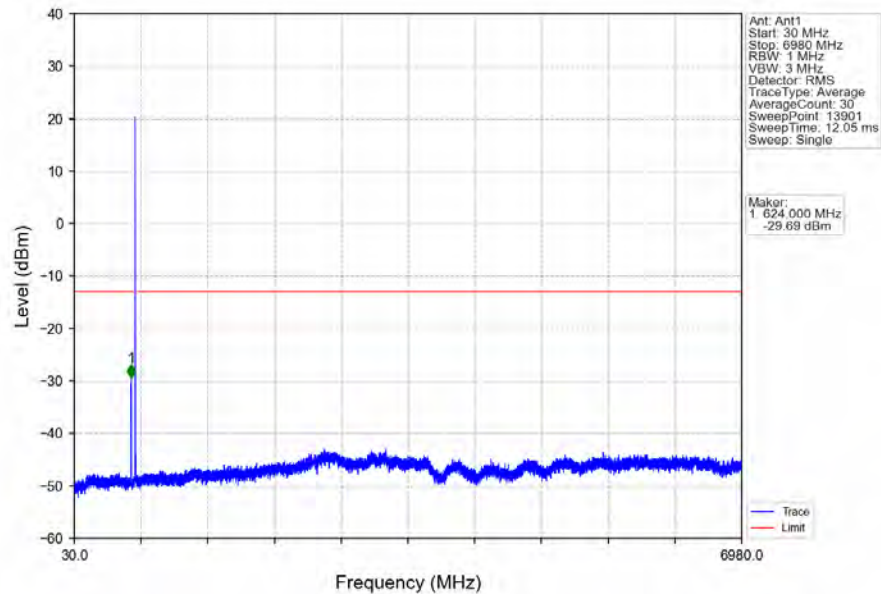


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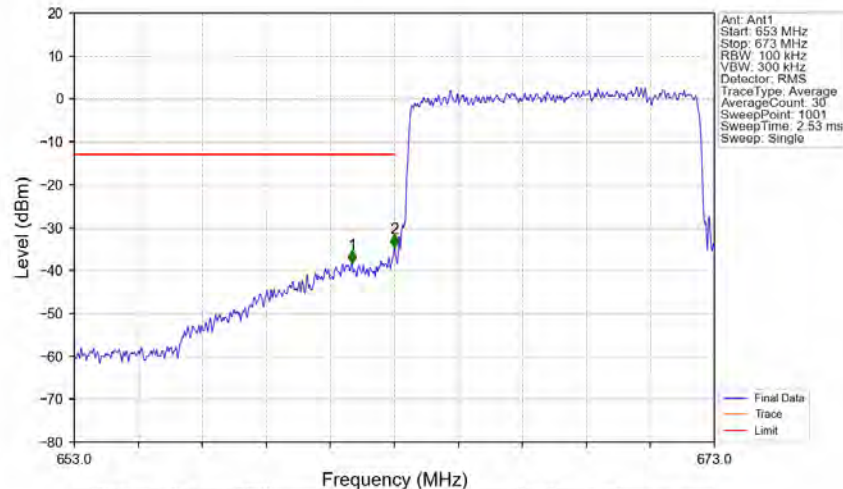
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.680	-38.41	-13	Pass
662	663	0.102	/	2	663.000	-34.69	-13	Pass
663	673	0.102	/	/	/	/	/	/

Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



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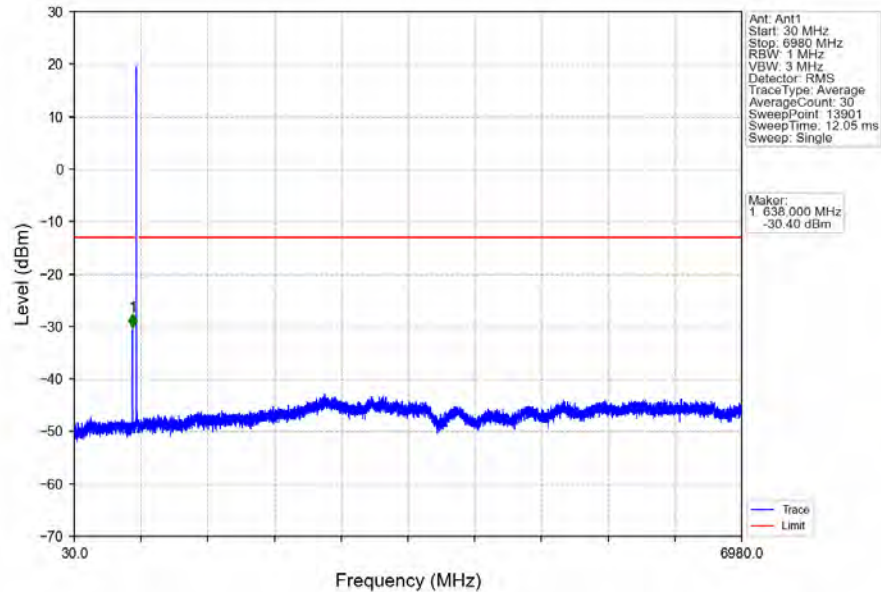


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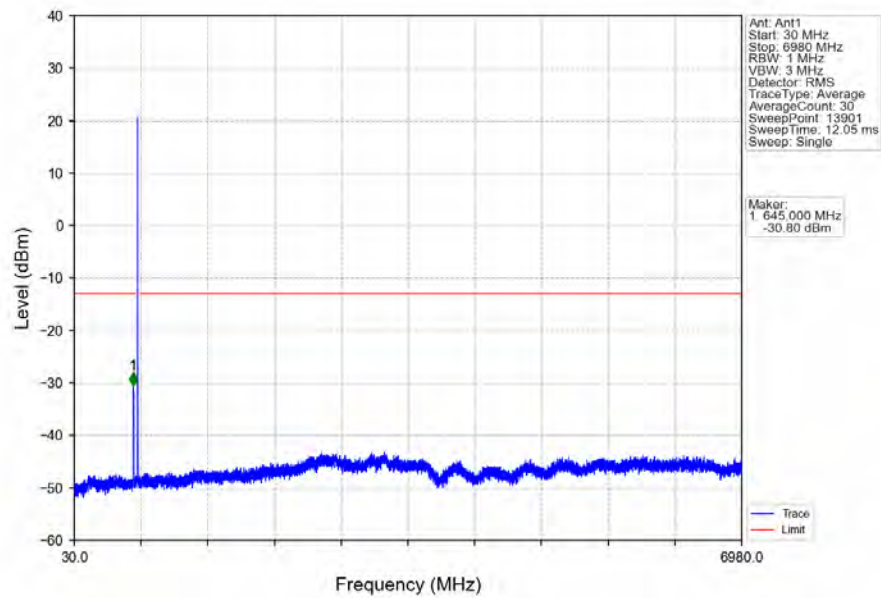
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Band71_10MHz_64QAM_HCH_693MHz_RB_1_49_NTNV



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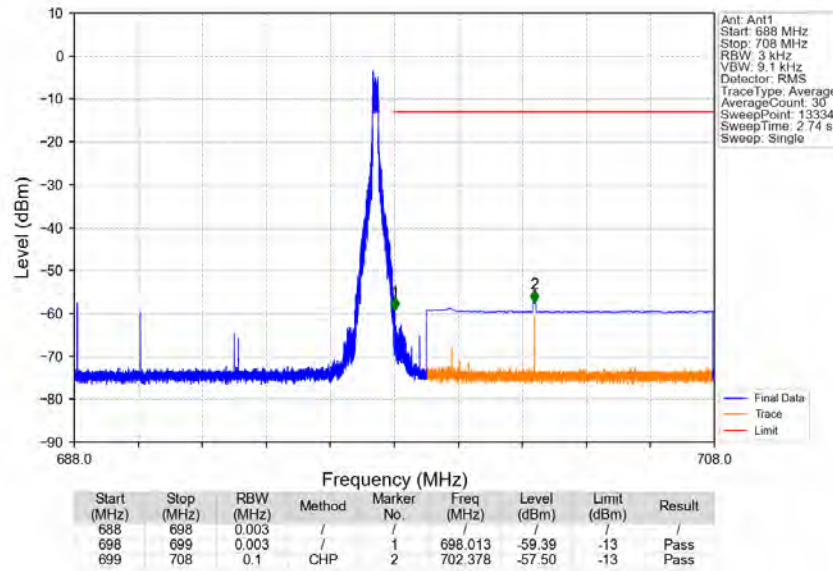


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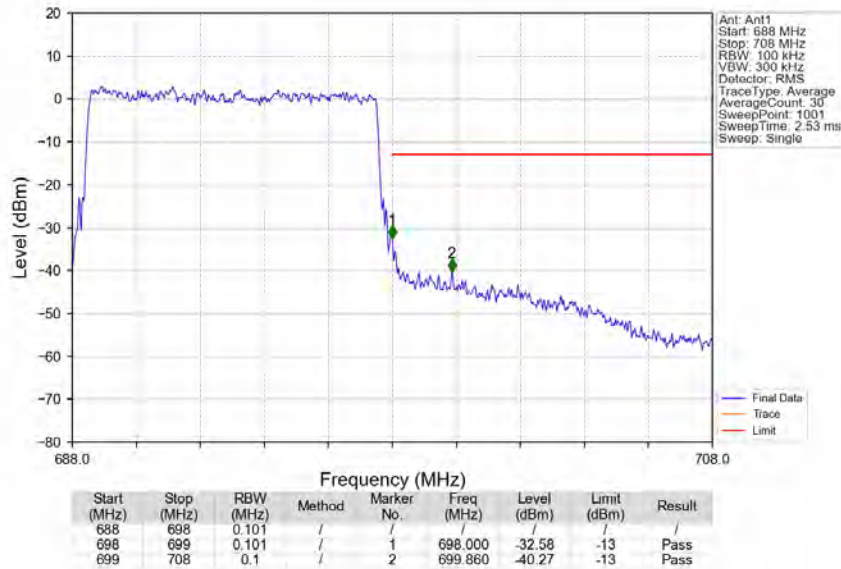
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5.3 B71_15MHz

5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		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
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
64QAM	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
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass



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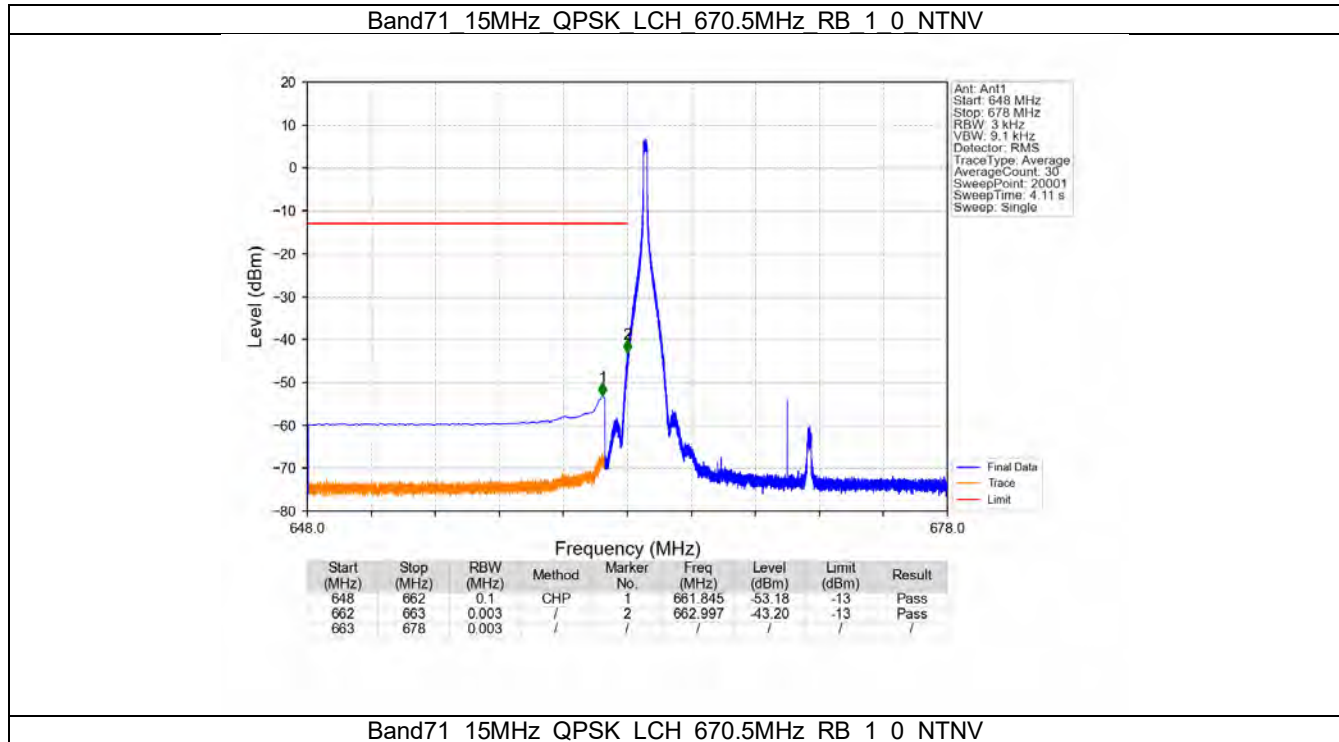
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5.3.2 Test Graph



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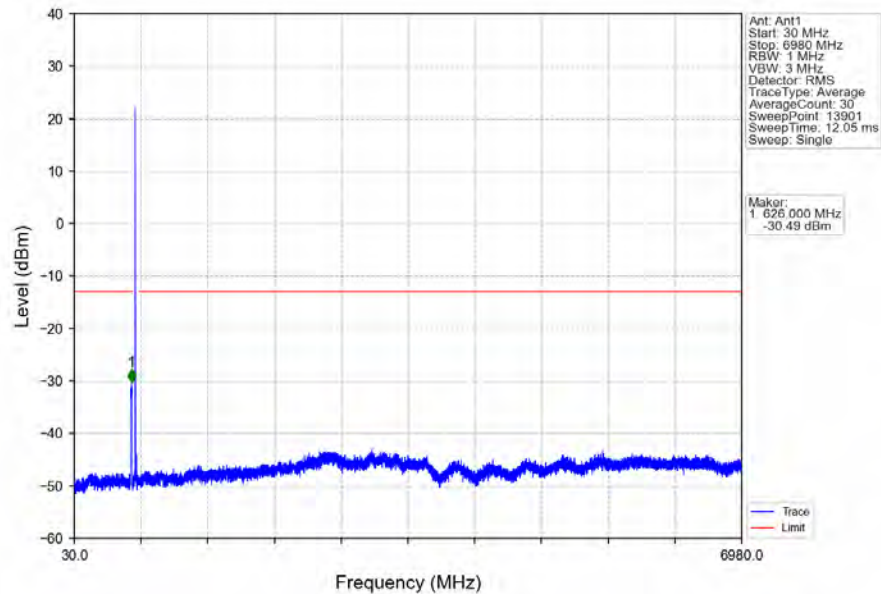


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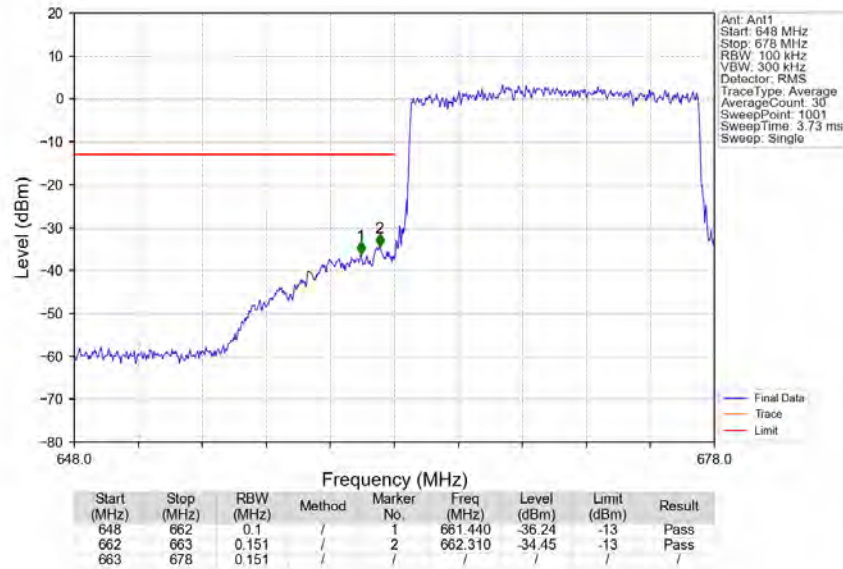
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Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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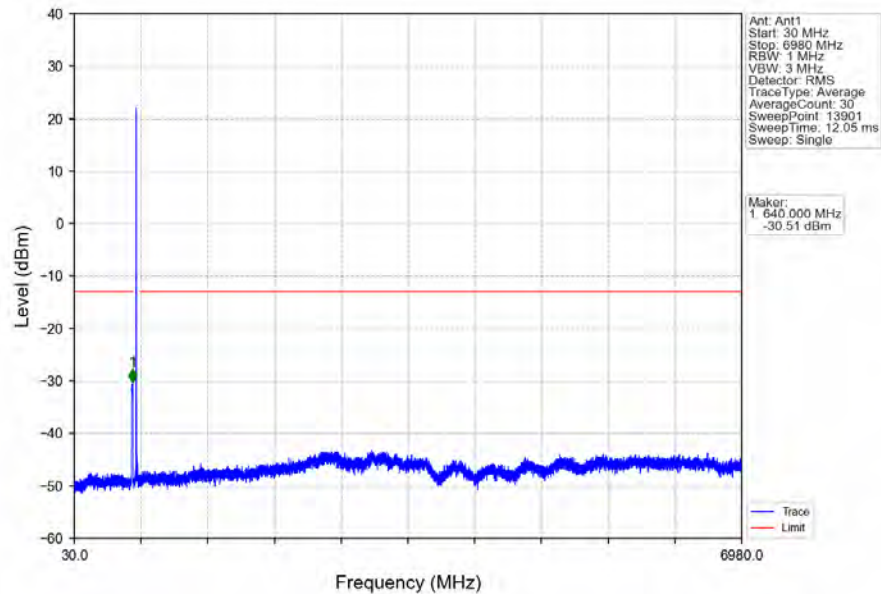


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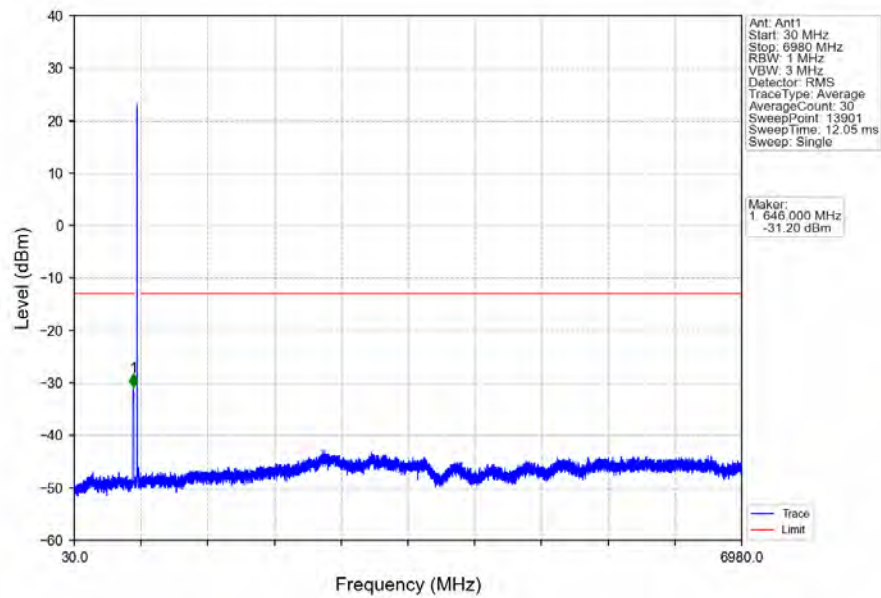
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Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



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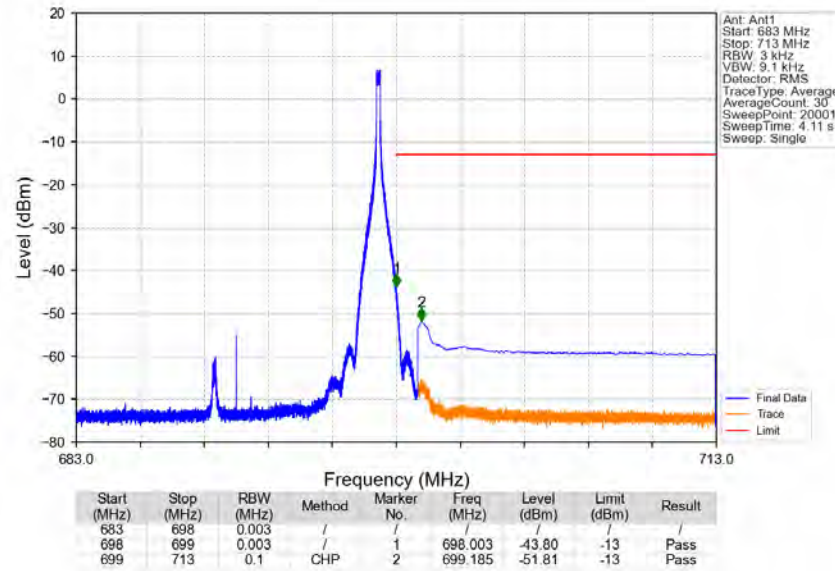


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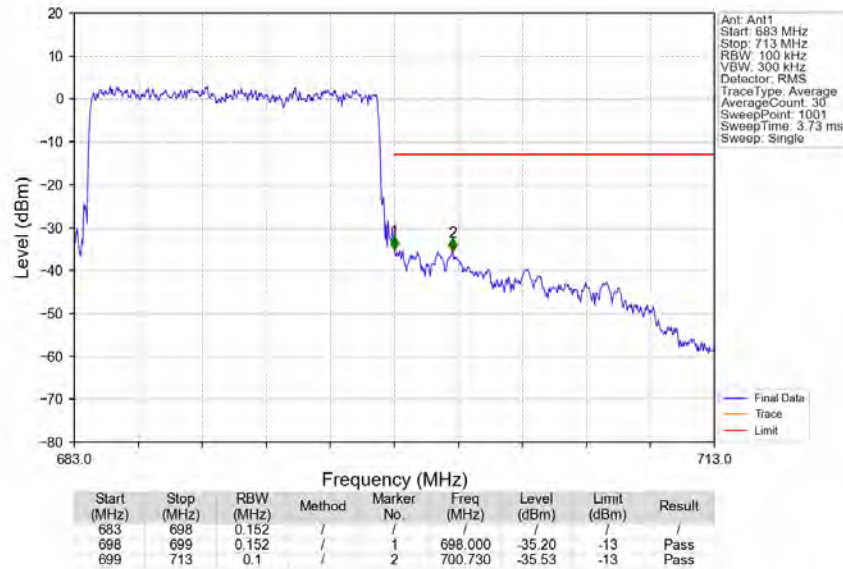
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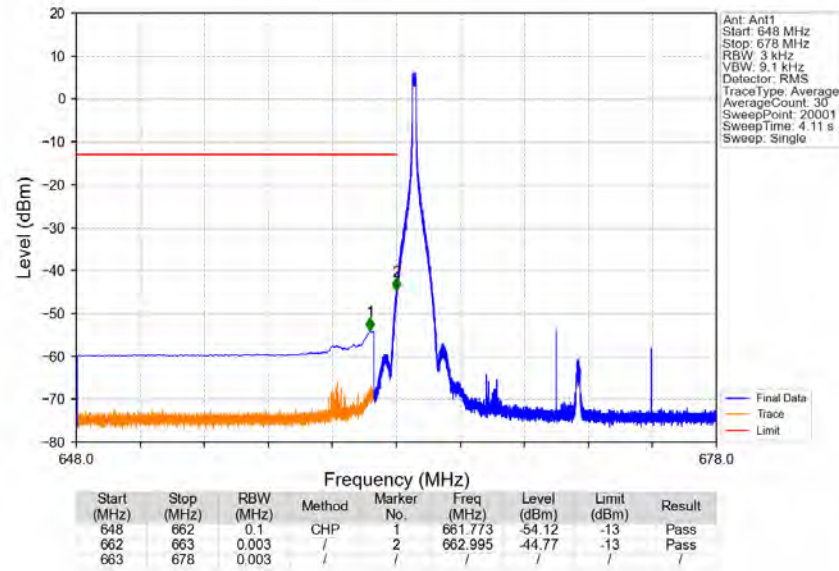


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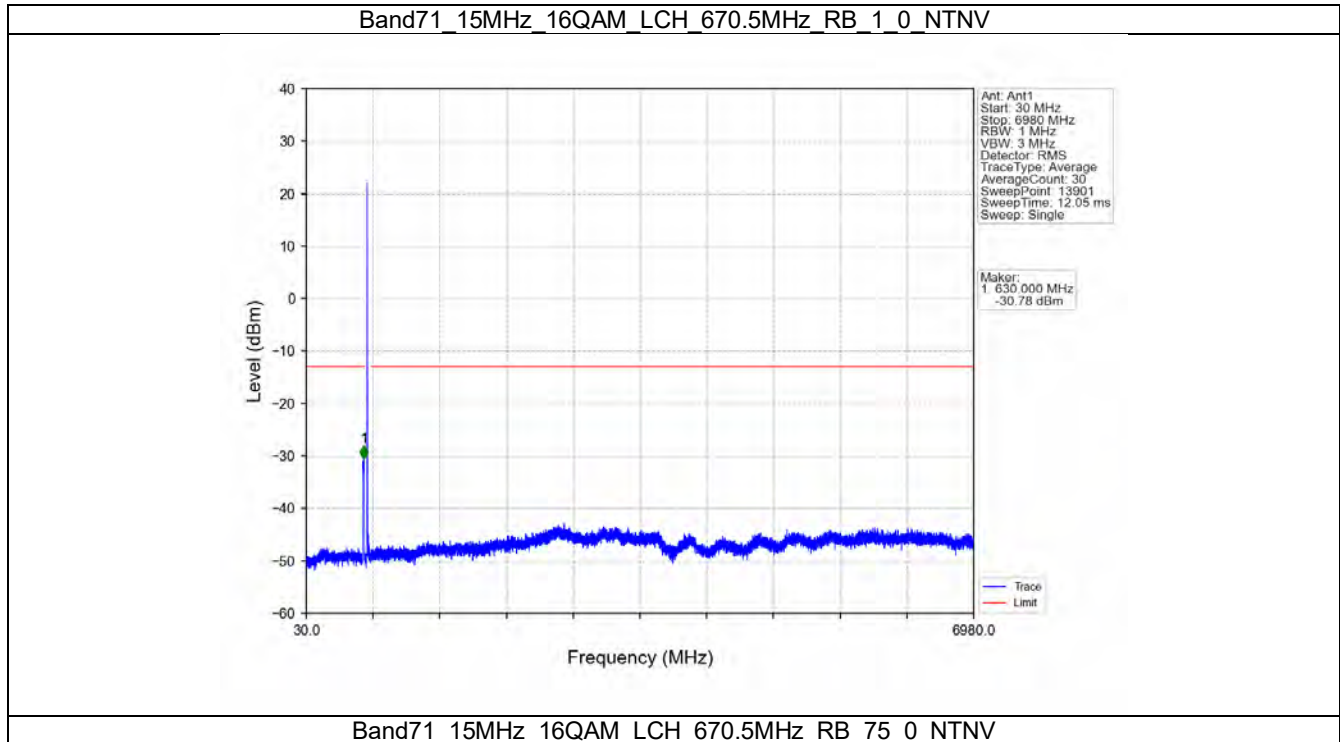


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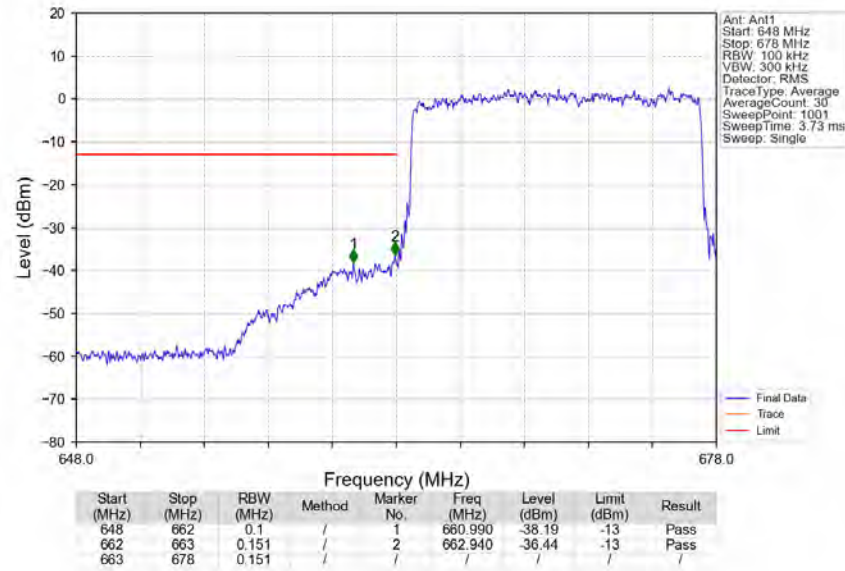


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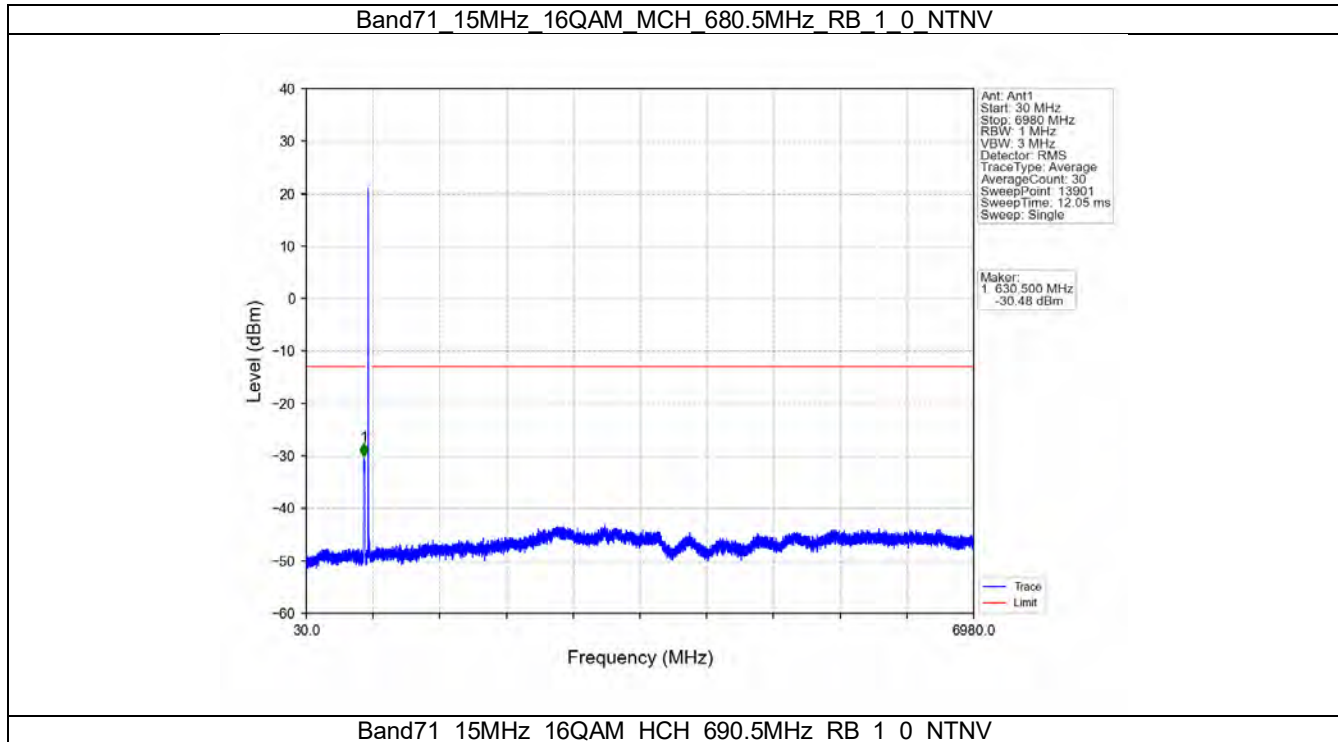


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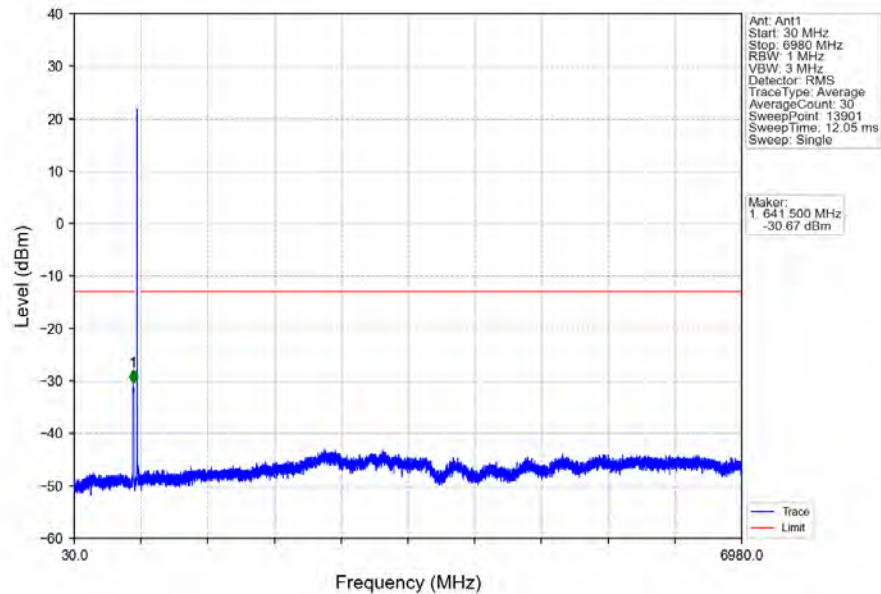


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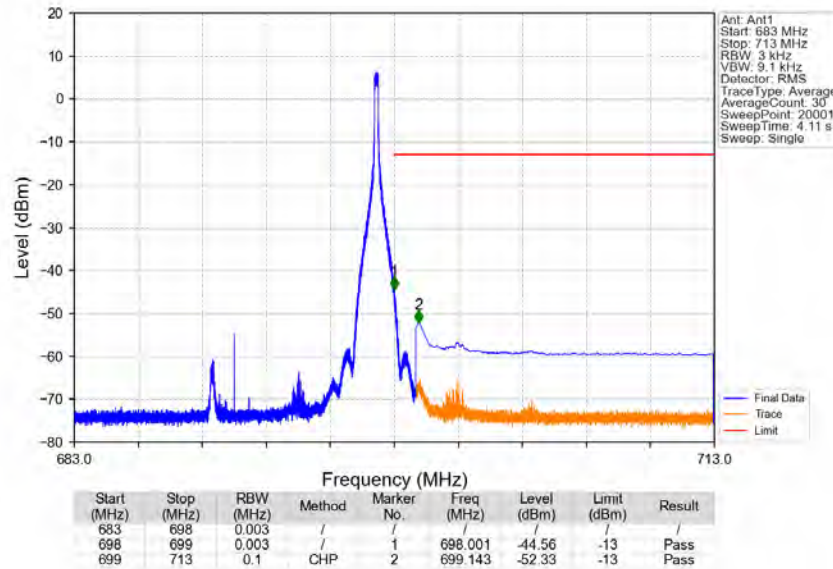
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Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



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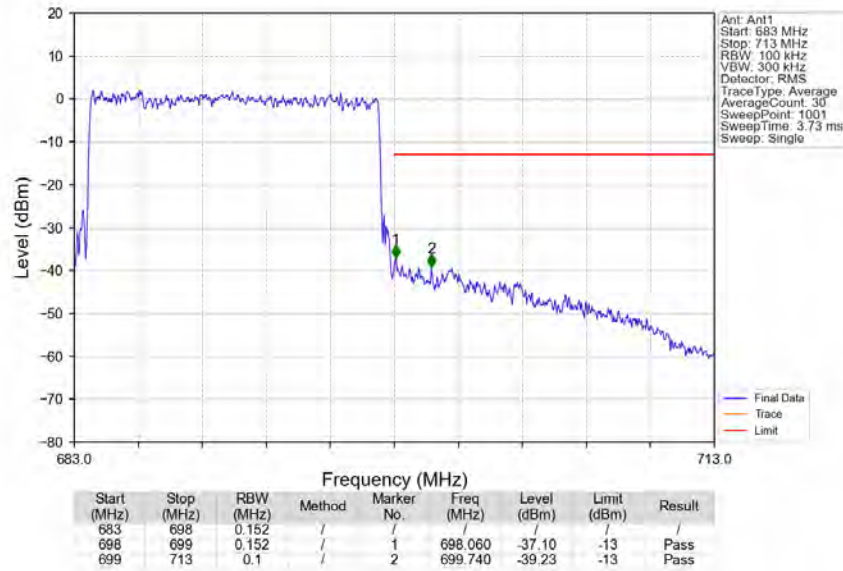


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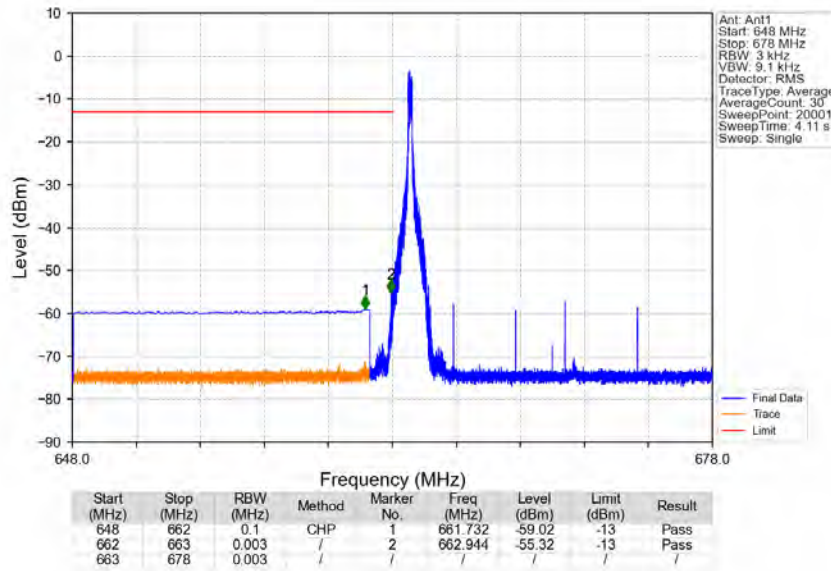
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Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV



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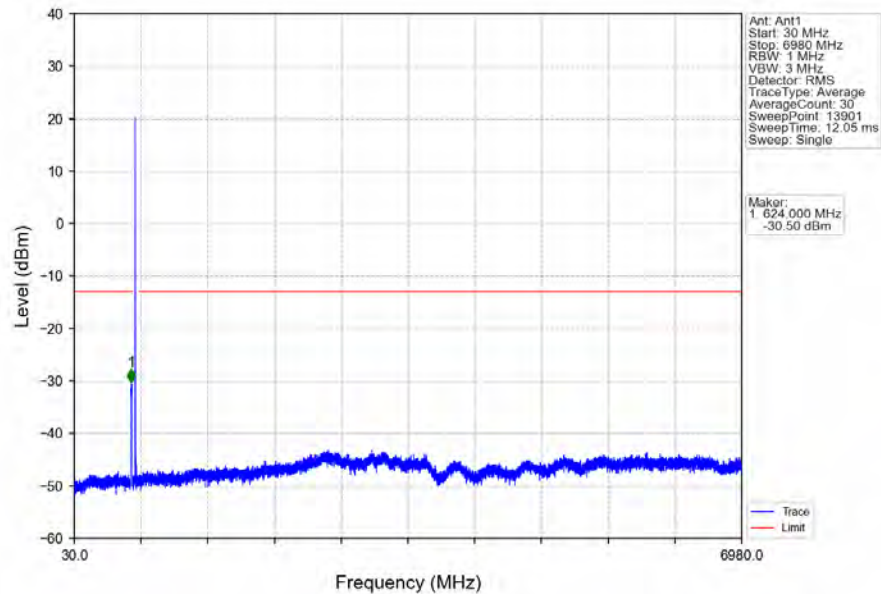


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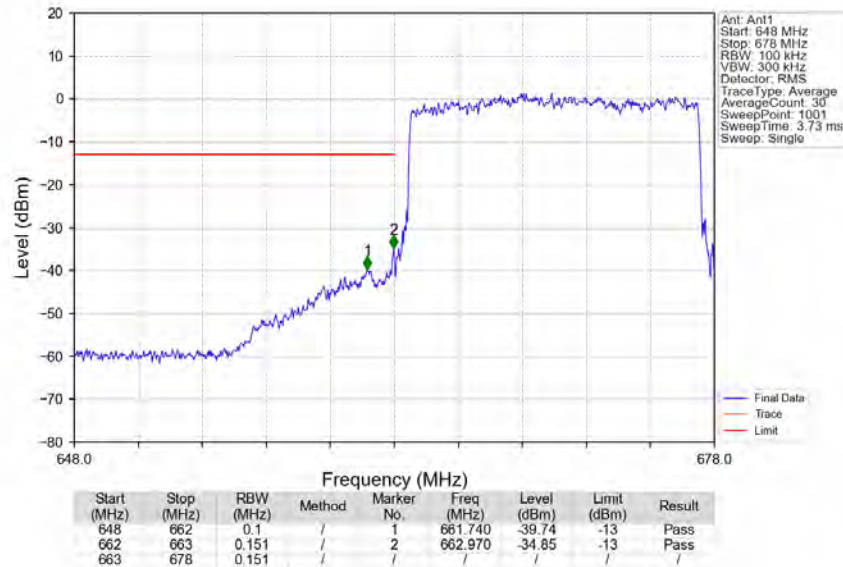
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Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



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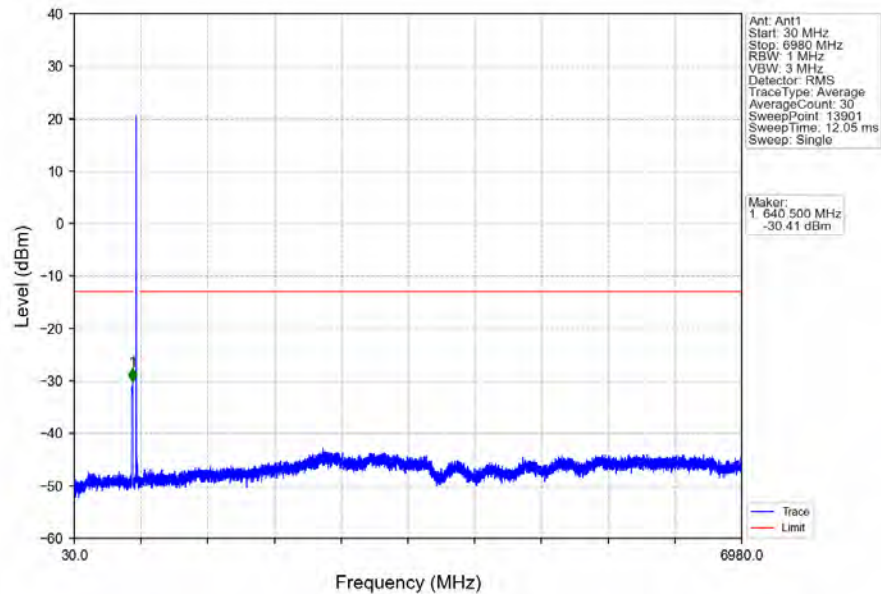


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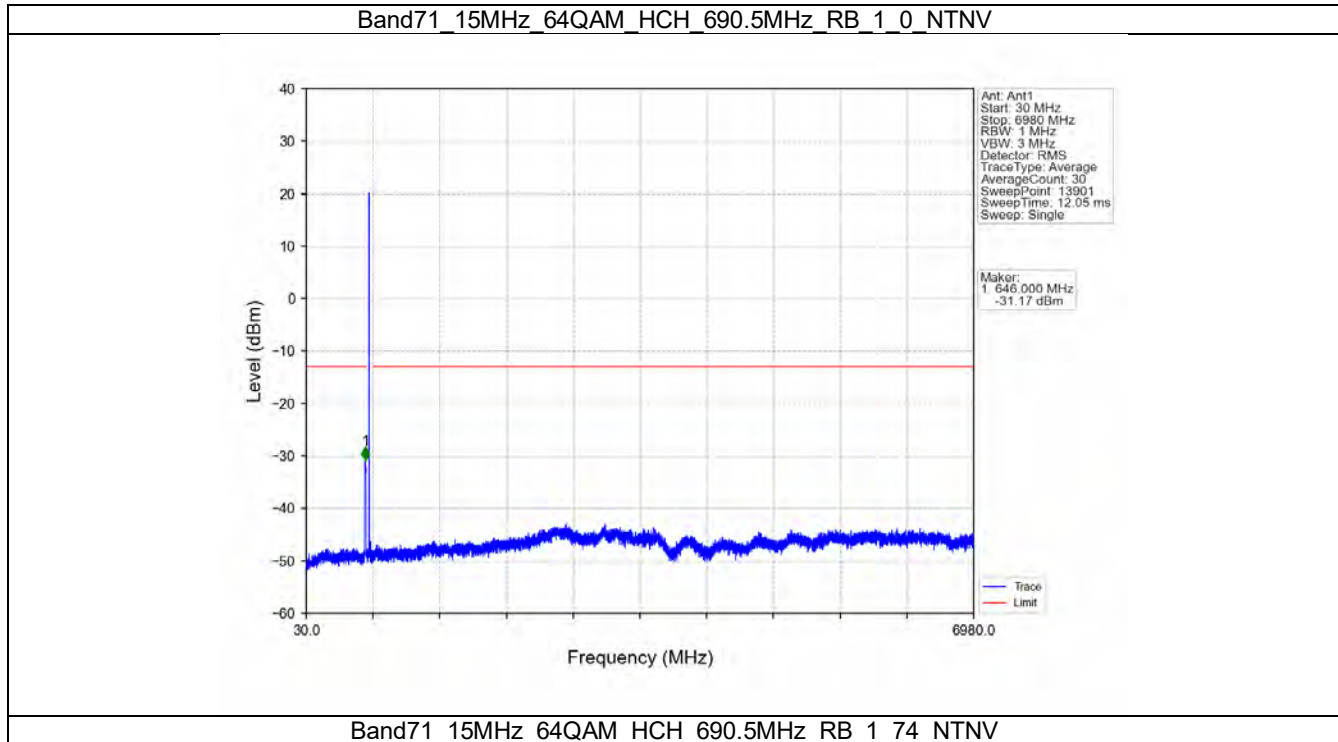


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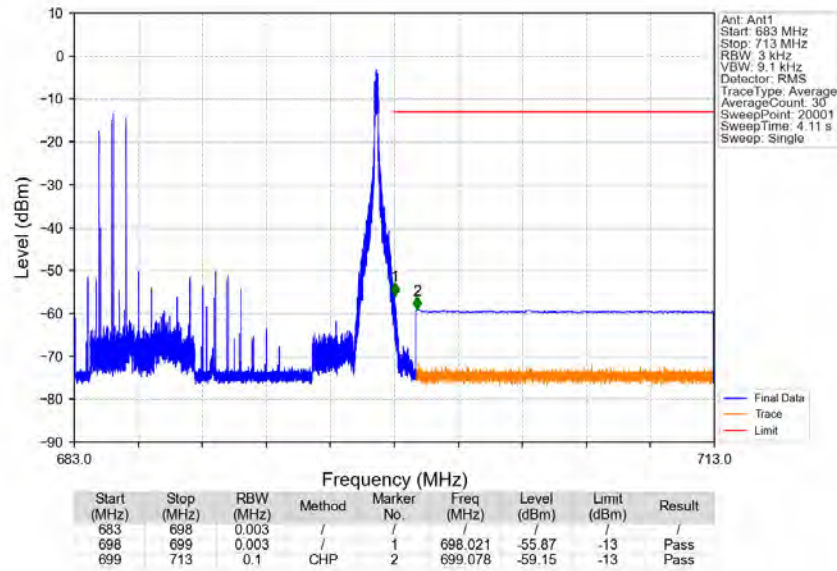


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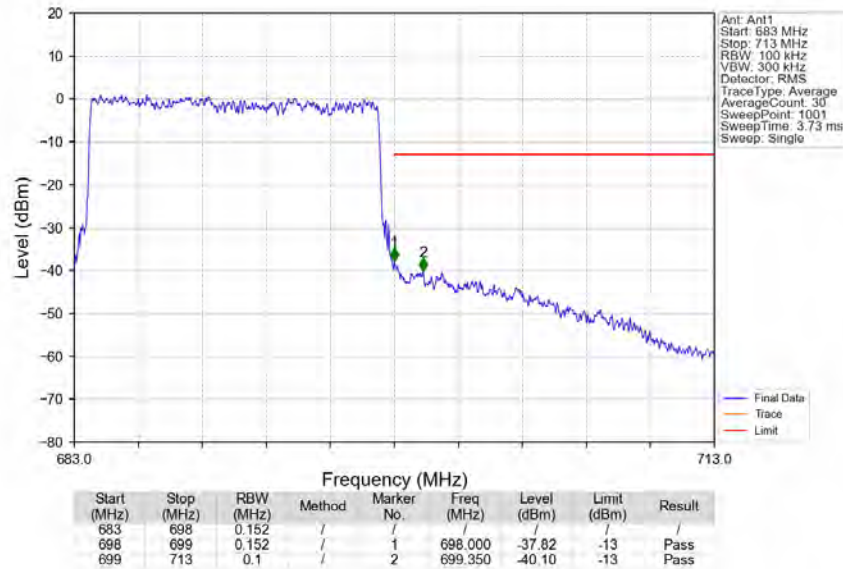
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Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



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5.4 B71_20MHz

5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
16QAM	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
64QAM	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass



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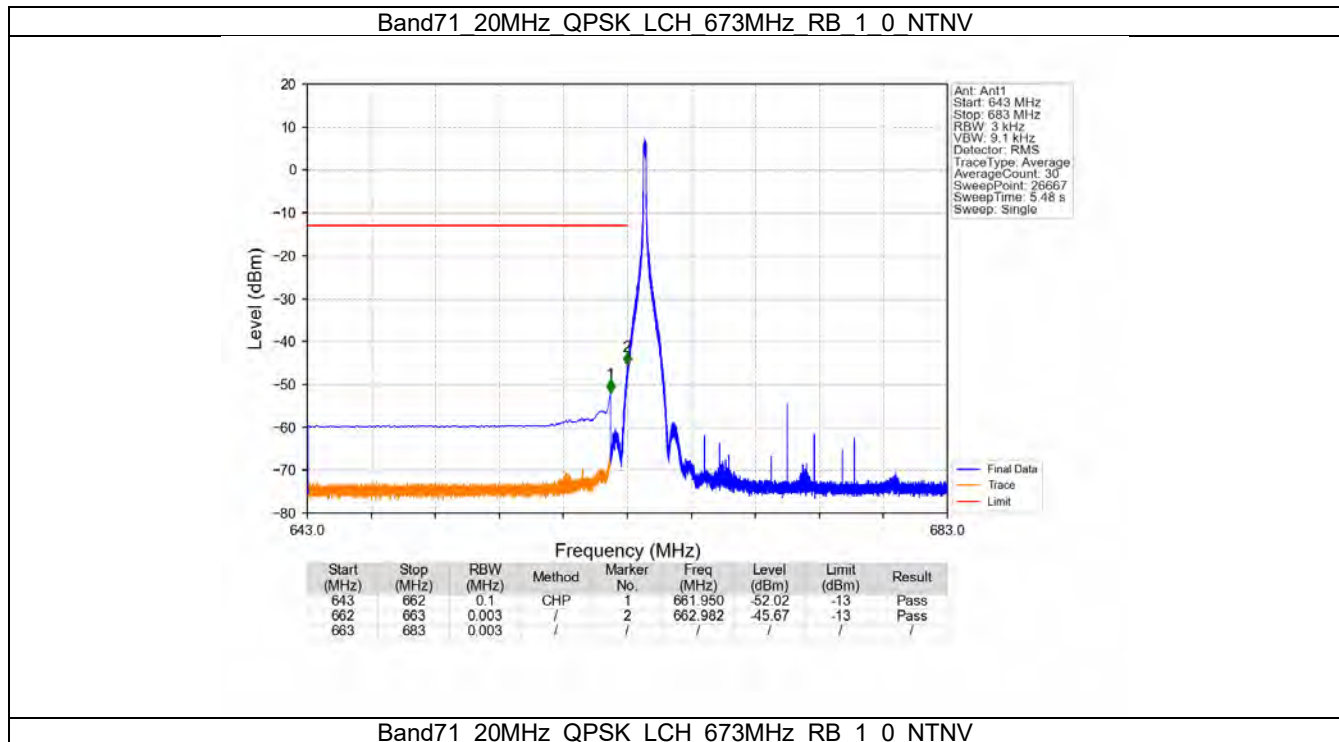
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5.4.2 Test Graph



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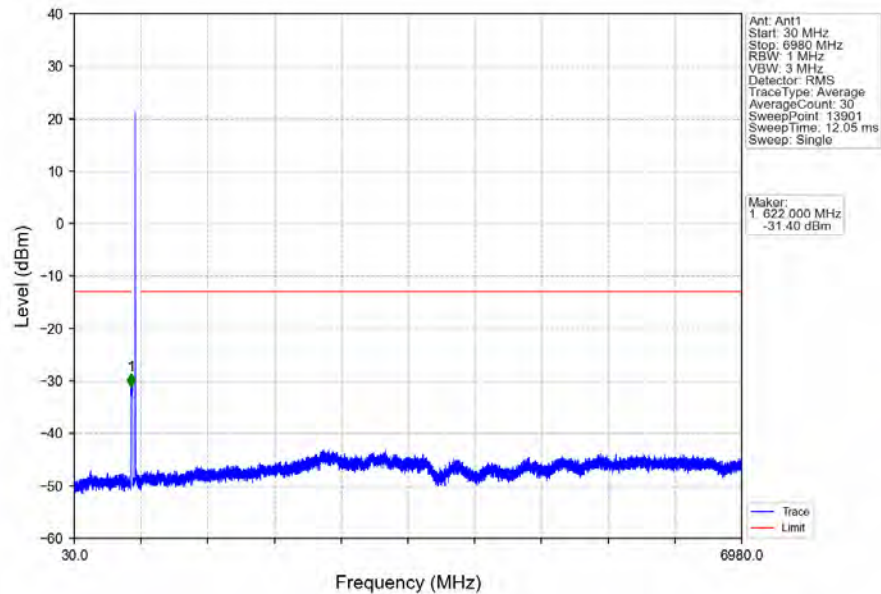


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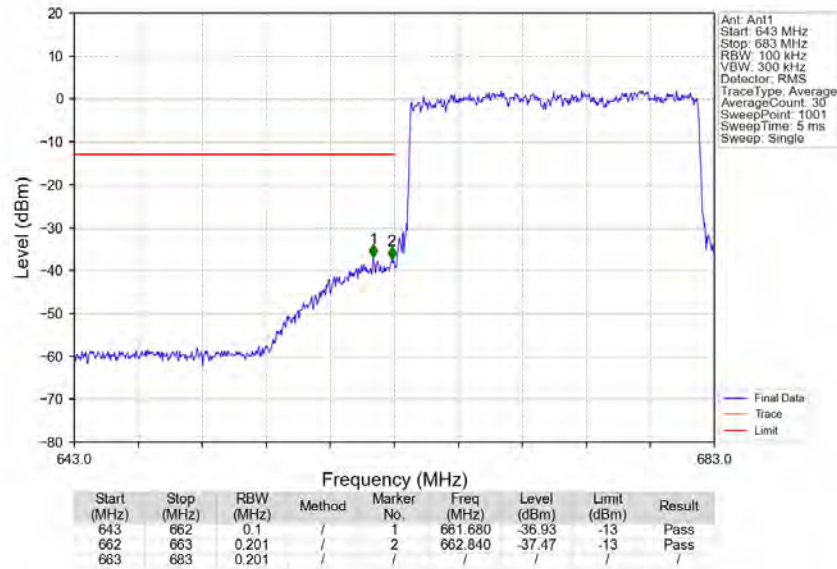
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Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



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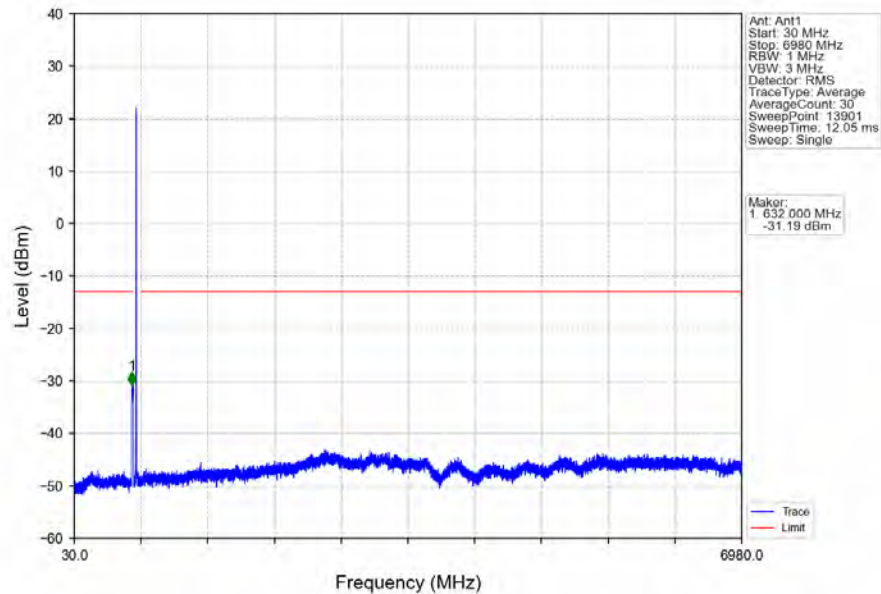


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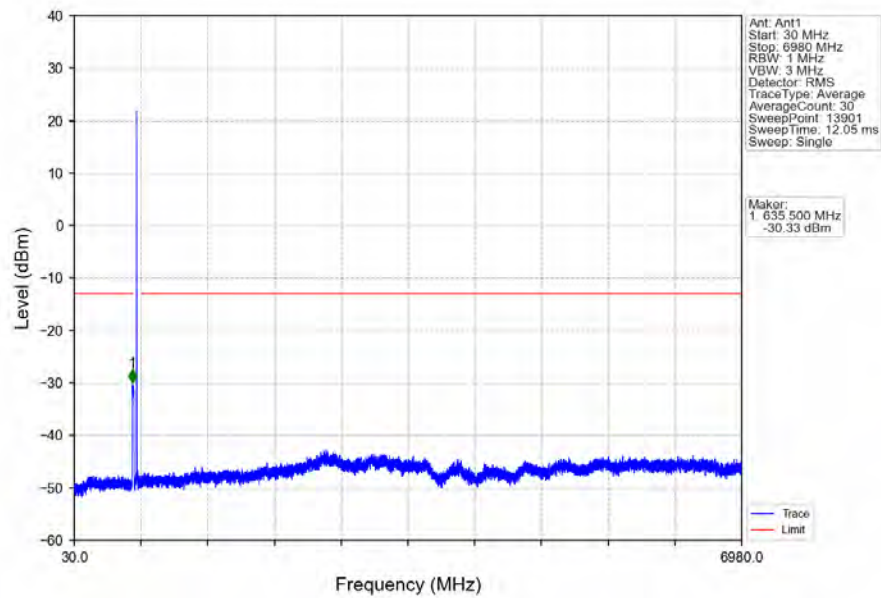
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Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



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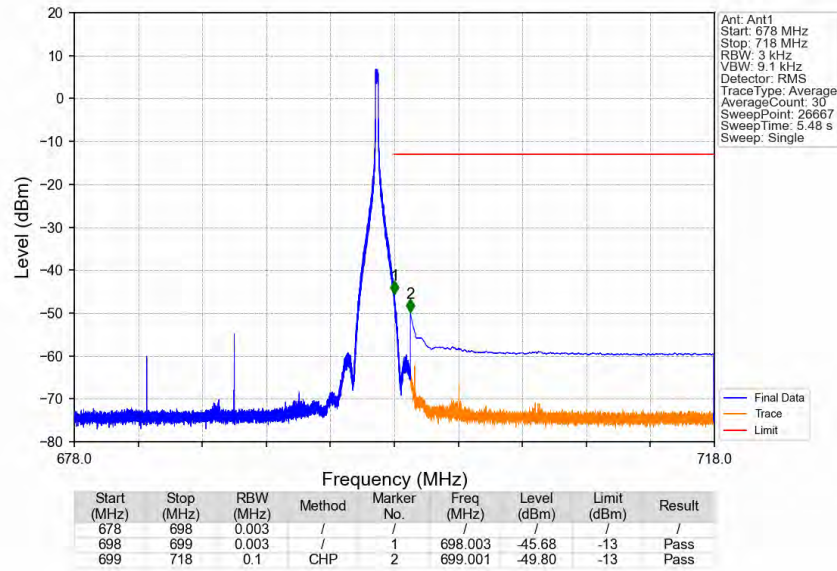


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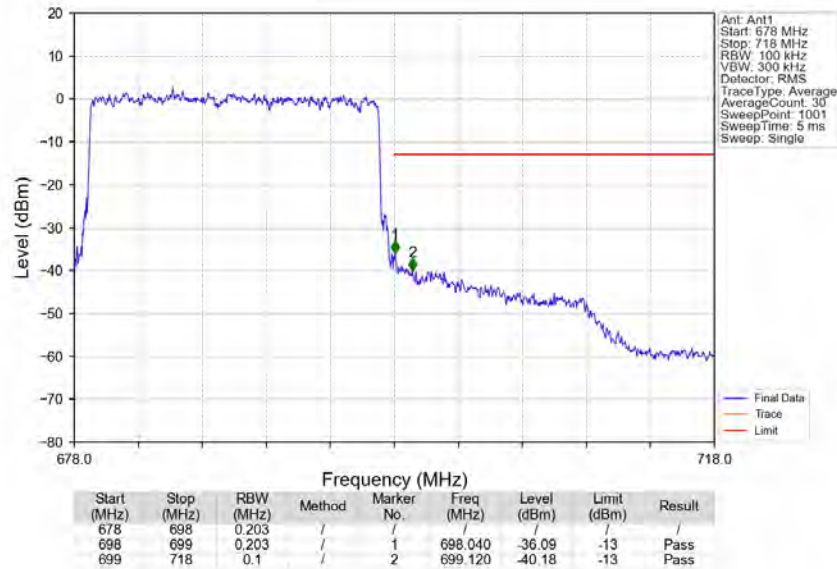
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Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



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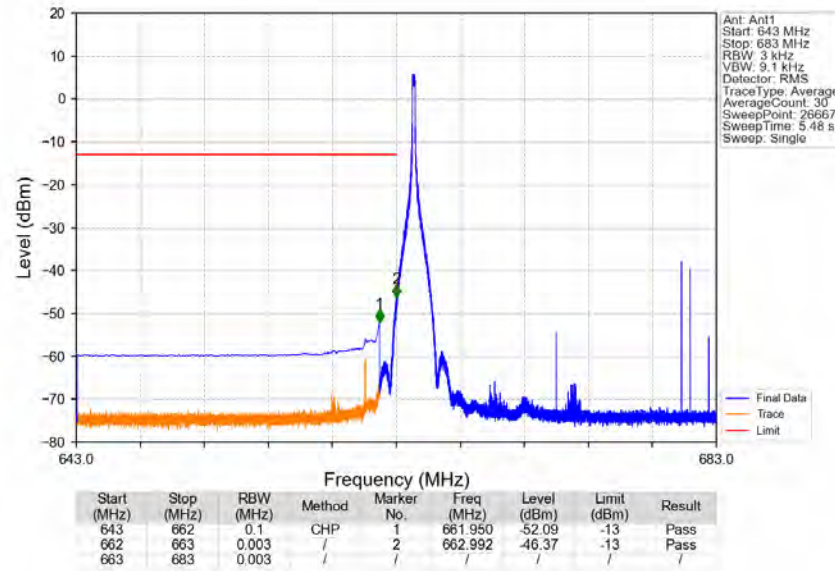


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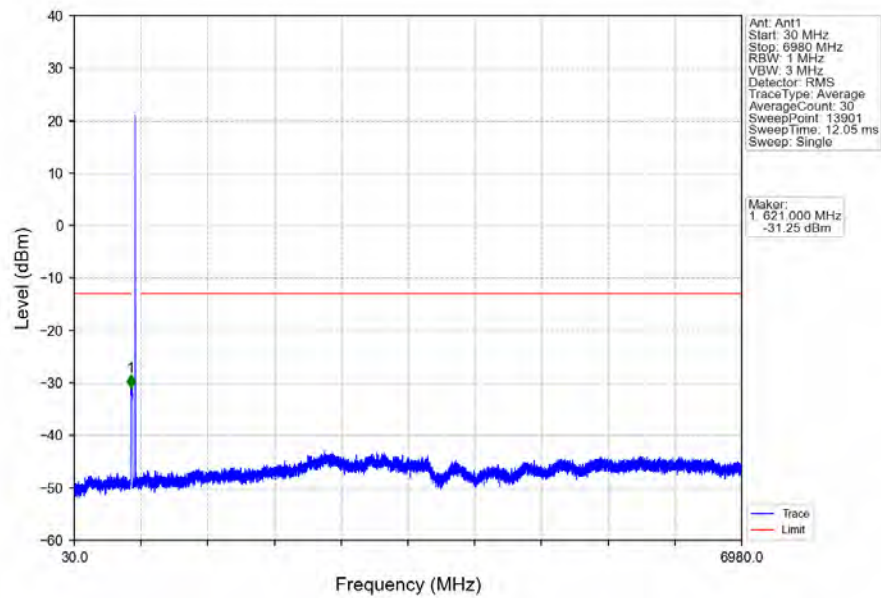
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Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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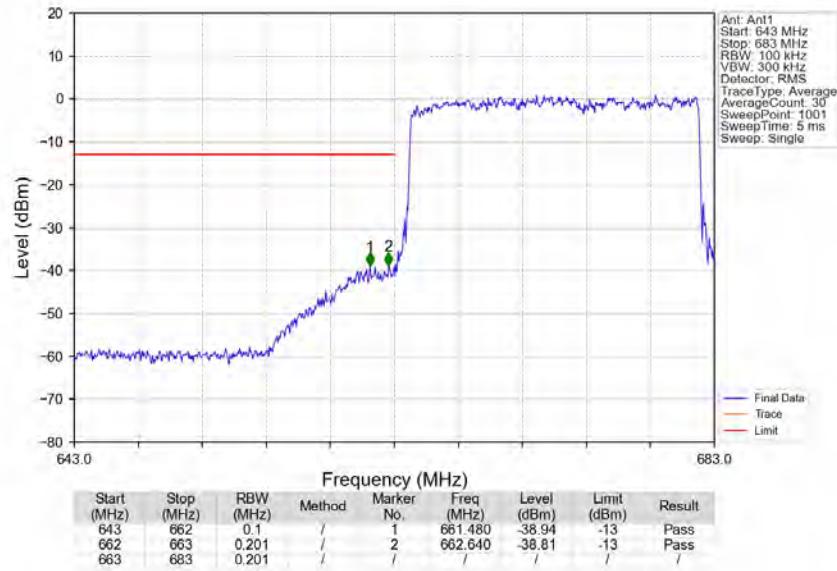


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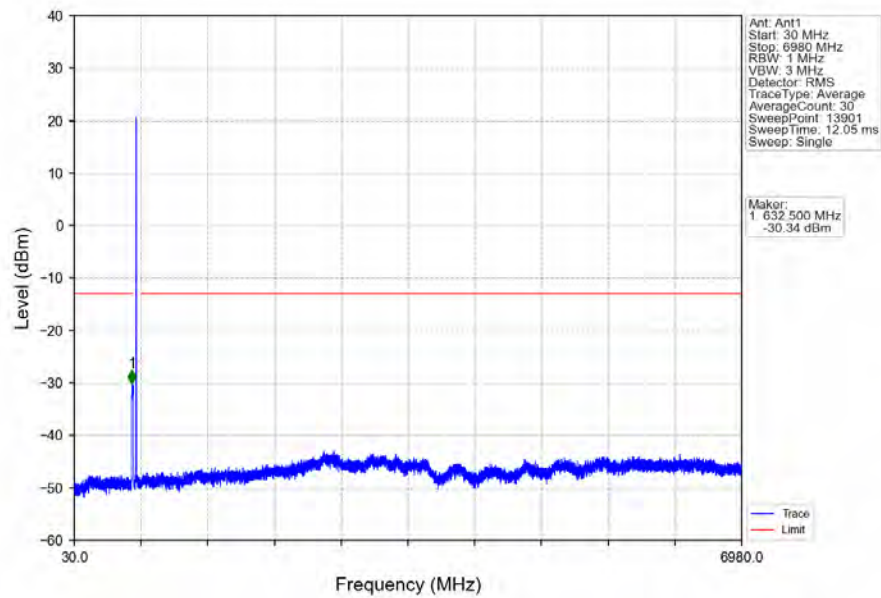
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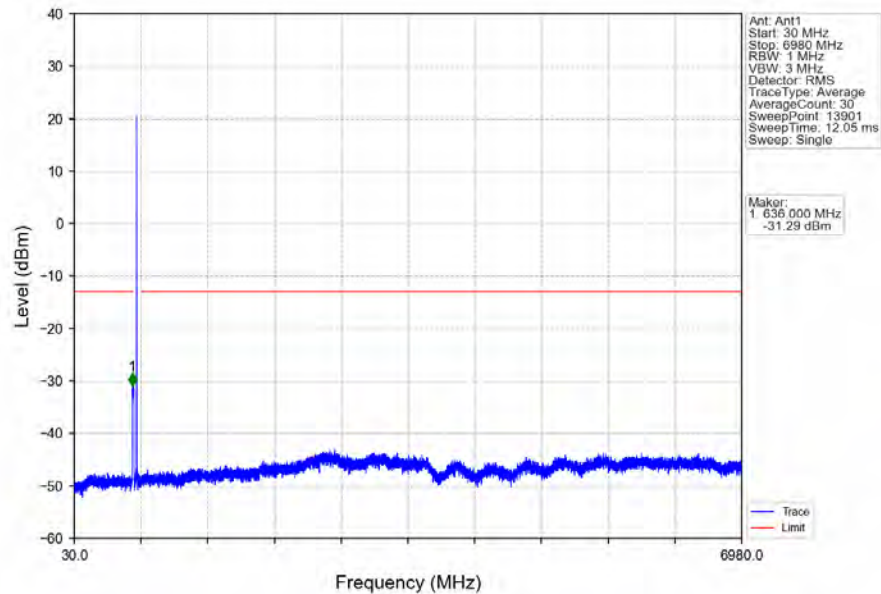


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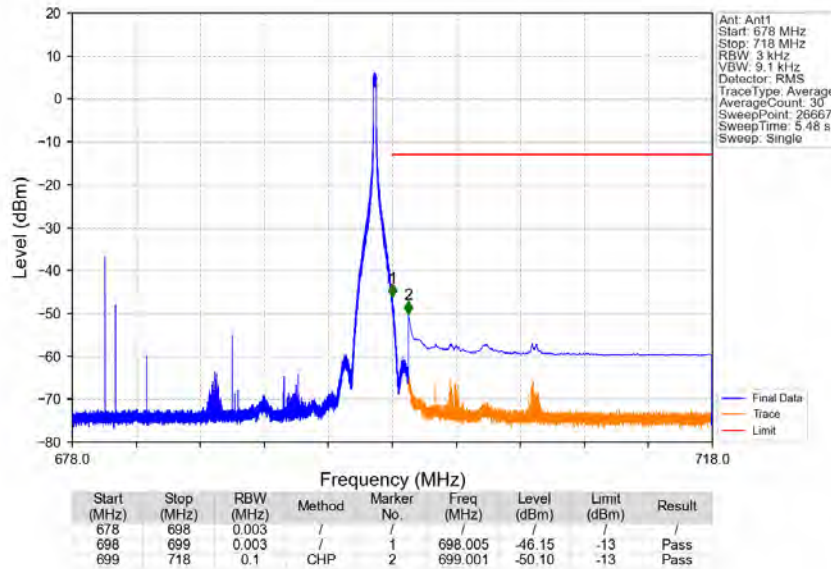
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Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



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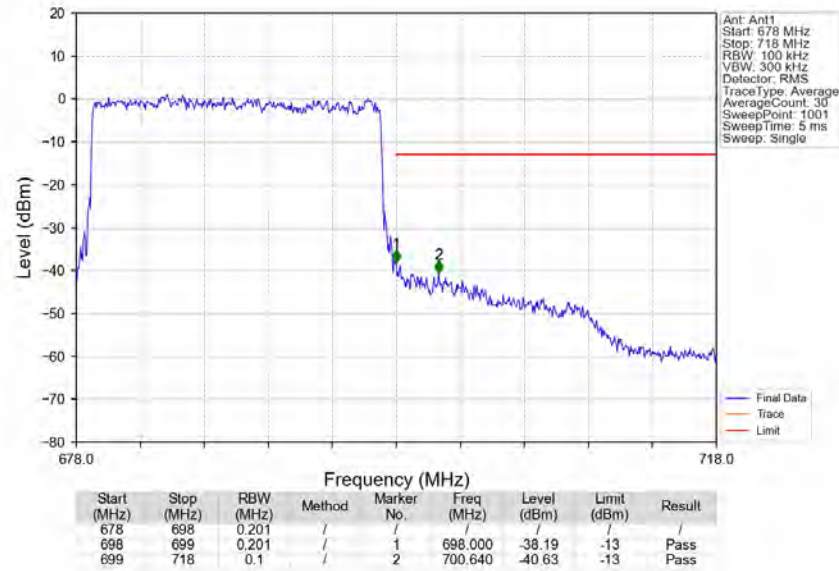


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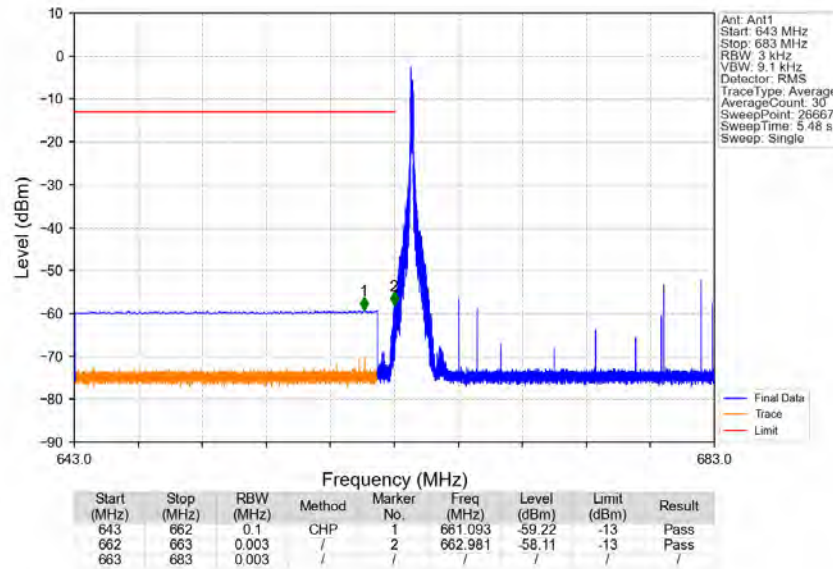
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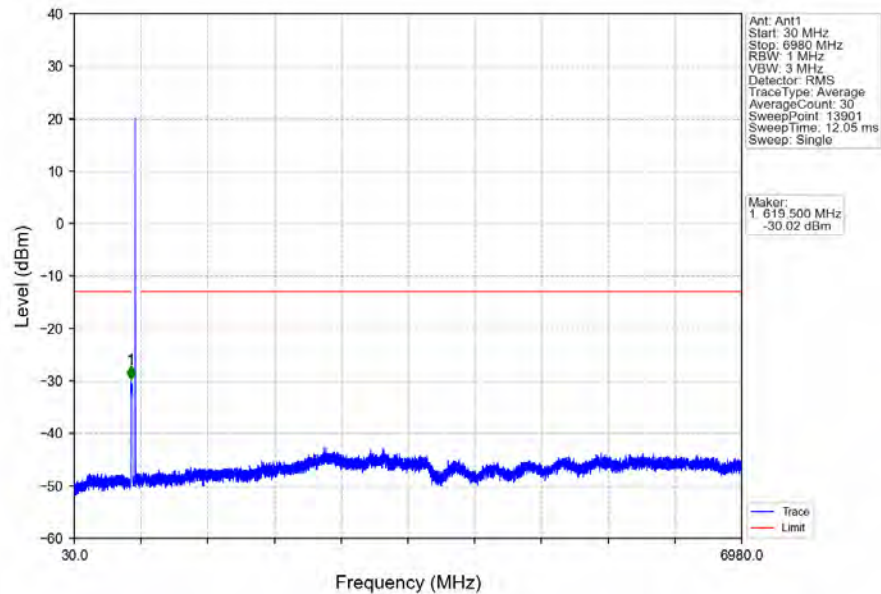


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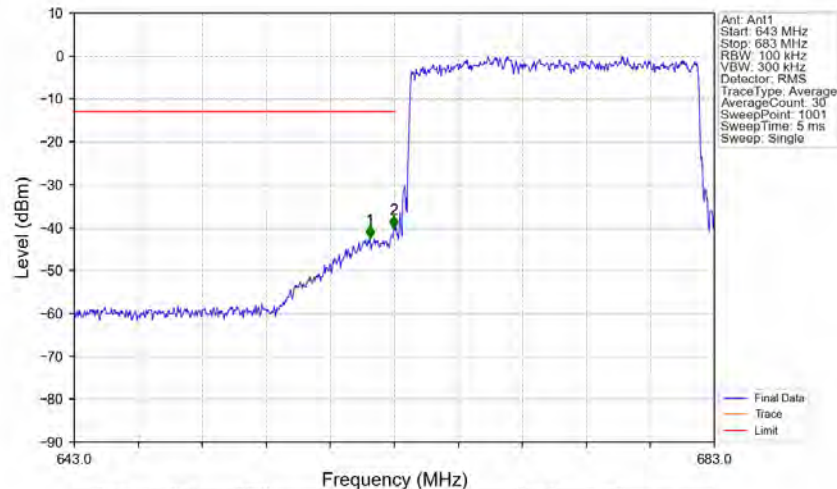
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Band71 20MHz 64QAM LCH 673MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.480	-42.51	-13	Pass
662	663	0.193	/	2	662.960	-40.24	-13	Pass
663	683	0.193	/	/	/	/	/	/

Band71 20MHz 64QAM MCH 683MHz RB 1 0 NTNV



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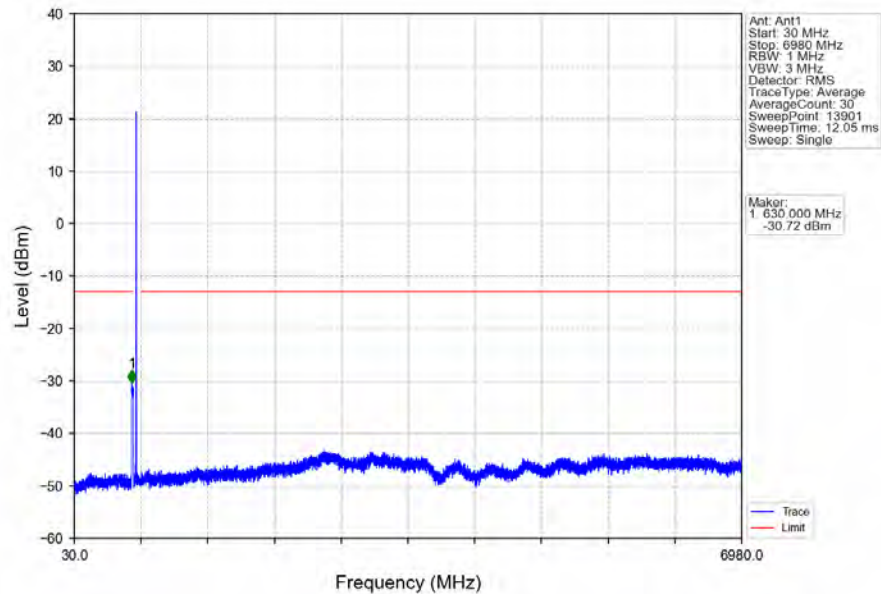


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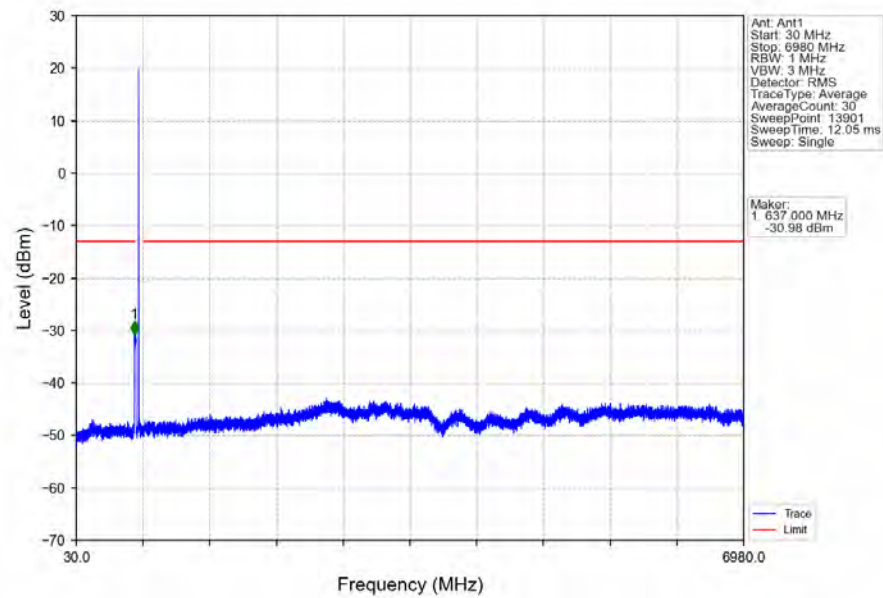
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Band71_20MHz_64QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_1_99_NTNV



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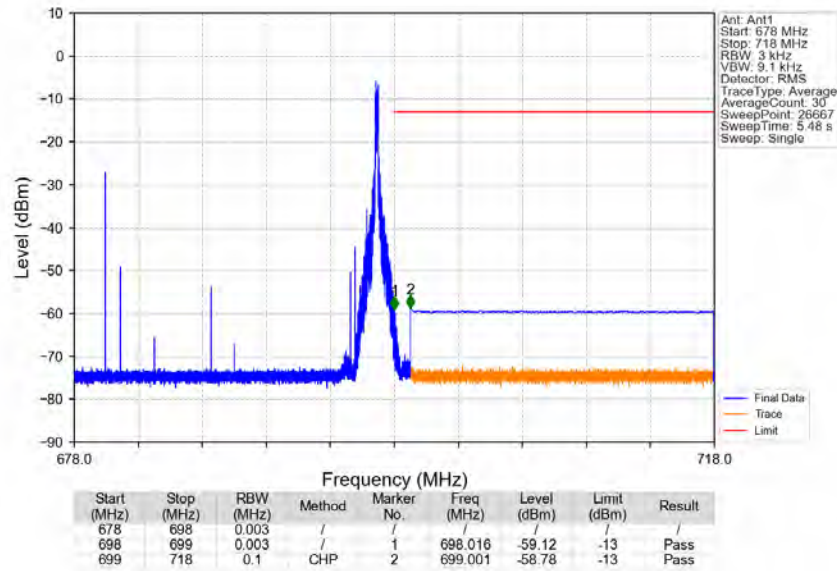


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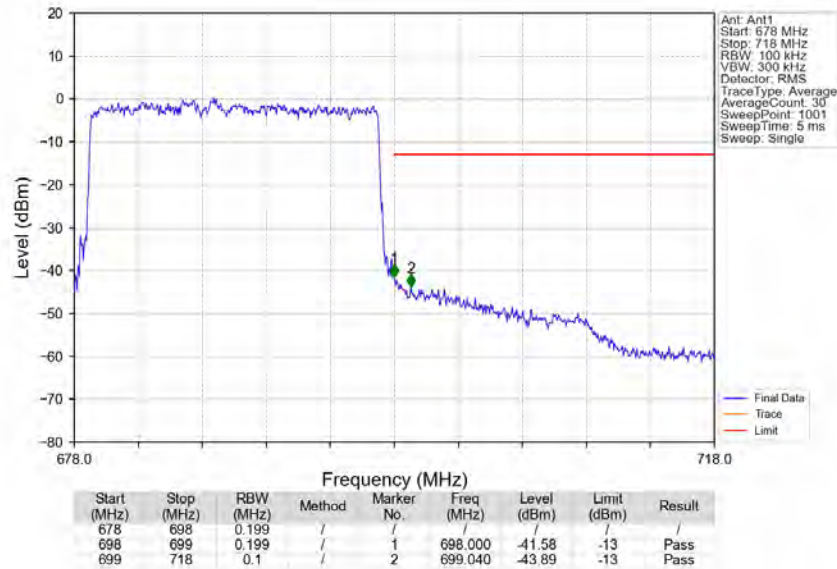
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Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



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6. Field Strength of Spurious Radiation

LTE Band 71-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1328	-61.55	-13	-48.55	-62.62	1.64	2.71	Horizontal	Pass
1992	-62.6	-13	-49.6	-64.335	2	5.88	Horizontal	Pass
2656	-58.82	-13	-45.82	-59.835	2.66	5.82	Horizontal	Pass
1328	-61.36	-13	-48.36	-60.28	1.64	2.71	Vertical	Pass
1992	-63.58	-13	-50.58	-65.315	2	5.88	Vertical	Pass
2656	-59.1	-13	-46.1	-60.115	2.66	5.82	Vertical	Pass

LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1348	-63.06	-13	-50.06	-64.13	1.64	2.71	Horizontal	Pass
2022	-63.28	-13	-50.28	-63.4	2.35	4.62	Horizontal	Pass
2696	-59.6	-13	-46.6	-60.615	2.66	5.82	Horizontal	Pass
1348	-65.69	-13	-52.69	-64.61	1.64	2.71	Vertical	Pass
2022	-62.3	-13	-49.3	-62.42	2.35	4.62	Vertical	Pass
2696	-59.54	-13	-46.54	-60.555	2.66	5.82	Vertical	Pass

LTE Band 71-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1358	-61.65	-13	-48.65	-62.72	1.64	2.71	Horizontal	Pass
2037	-62.57	-13	-49.57	-62.69	2.35	4.62	Horizontal	Pass
2716	-59.03	-13	-46.03	-60.045	2.66	5.82	Horizontal	Pass
1358	-61.32	-13	-48.32	-60.24	1.64	2.71	Vertical	Pass
2037	-62.62	-13	-49.62	-62.74	2.35	4.62	Vertical	Pass
2716	-57.34	-13	-44.34	-58.355	2.66	5.82	Vertical	Pass

---End of Attachment---



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