



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

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Appendix B.5

LTE Band 12



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	22.92	1.61	22.38	<=34.77	Pass
			2	22.94	1.61	22.40	<=34.77	Pass
			5	22.85	1.61	22.31	<=34.77	Pass
		3	0	22.93	1.61	22.39	<=34.77	Pass
			2	22.90	1.61	22.36	<=34.77	Pass
			3	22.88	1.61	22.34	<=34.77	Pass
		6	0	21.95	1.61	21.41	<=34.77	Pass
	707.5	1	0	23.01	1.61	22.47	<=34.77	Pass
			2	23.02	1.61	22.48	<=34.77	Pass
			5	22.95	1.61	22.41	<=34.77	Pass
		3	0	23.01	1.61	22.47	<=34.77	Pass
			2	22.99	1.61	22.45	<=34.77	Pass
			3	22.96	1.61	22.42	<=34.77	Pass
		6	0	21.99	1.61	21.45	<=34.77	Pass
	715.3	1	0	23.12	1.61	22.58	<=34.77	Pass
			2	23.14	1.61	22.60	<=34.77	Pass
			5	23.12	1.61	22.58	<=34.77	Pass
		3	0	23.14	1.61	22.60	<=34.77	Pass
			2	23.10	1.61	22.56	<=34.77	Pass
			3	23.12	1.61	22.58	<=34.77	Pass
		6	0	22.16	1.61	21.62	<=34.77	Pass
16QAM	699.7	1	0	22.12	1.61	21.58	<=34.77	Pass
			2	22.07	1.61	21.53	<=34.77	Pass
			5	22.01	1.61	21.47	<=34.77	Pass
		3	0	22.04	1.61	21.50	<=34.77	Pass
			2	22.05	1.61	21.51	<=34.77	Pass
			3	22.02	1.61	21.48	<=34.77	Pass
		6	0	21.00	1.61	20.46	<=34.77	Pass
	707.5	1	0	22.20	1.61	21.66	<=34.77	Pass
			2	22.14	1.61	21.60	<=34.77	Pass
			5	22.18	1.61	21.64	<=34.77	Pass
		3	0	22.09	1.61	21.55	<=34.77	Pass
			2	22.06	1.61	21.52	<=34.77	Pass
			3	22.08	1.61	21.54	<=34.77	Pass
		6	0	21.05	1.61	20.51	<=34.77	Pass
	715.3	1	0	22.27	1.61	21.73	<=34.77	Pass
			2	22.27	1.61	21.73	<=34.77	Pass



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64QAM	699.7	3	5	22.28	1.61	21.74	<=34.77	Pass
			0	22.20	1.61	21.66	<=34.77	Pass
			2	22.21	1.61	21.67	<=34.77	Pass
		6	3	22.24	1.61	21.70	<=34.77	Pass
			0	21.18	1.61	20.64	<=34.77	Pass
			1	21.15	1.61	20.61	<=34.77	Pass
	707.5	1	2	21.12	1.61	20.58	<=34.77	Pass
			5	21.04	1.61	20.50	<=34.77	Pass
			0	21.01	1.61	20.47	<=34.77	Pass
		3	2	20.99	1.61	20.45	<=34.77	Pass
			3	20.94	1.61	20.40	<=34.77	Pass
			0	19.97	1.61	19.43	<=34.77	Pass
		6	0	21.23	1.61	20.69	<=34.77	Pass
			2	21.20	1.61	20.66	<=34.77	Pass
			5	21.07	1.61	20.53	<=34.77	Pass
		3	0	21.04	1.61	20.50	<=34.77	Pass
			2	21.08	1.61	20.54	<=34.77	Pass
			3	21.01	1.61	20.47	<=34.77	Pass
	715.3	1	0	20.03	1.61	19.49	<=34.77	Pass
			0	21.25	1.61	20.71	<=34.77	Pass
			2	21.28	1.61	20.74	<=34.77	Pass
		3	5	21.30	1.61	20.76	<=34.77	Pass
			0	21.25	1.61	20.71	<=34.77	Pass
			2	21.23	1.61	20.69	<=34.77	Pass
		6	3	21.25	1.61	20.71	<=34.77	Pass
			0	20.19	1.61	19.65	<=34.77	Pass
			0	20.19	1.61	19.65	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	22.97	1.61	22.43	<=34.77	Pass
			7	23.03	1.61	22.49	<=34.77	Pass
			14	22.91	1.61	22.37	<=34.77	Pass
		8	0	22.13	1.61	21.59	<=34.77	Pass
			4	22.11	1.61	21.57	<=34.77	Pass
			7	22.02	1.61	21.48	<=34.77	Pass
	707.5	15	0	22.10	1.61	21.56	<=34.77	Pass
		1	0	23.05	1.61	22.51	<=34.77	Pass
			7	23.12	1.61	22.58	<=34.77	Pass
			14	23.02	1.61	22.48	<=34.77	Pass
		8	0	22.06	1.61	21.52	<=34.77	Pass
			0	22.06	1.61	21.52	<=34.77	Pass



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16QAM		15	4	22.13	1.61	21.59	<=34.77	Pass
			7	22.08	1.61	21.54	<=34.77	Pass
			0	22.08	1.61	21.54	<=34.77	Pass
	714.5	1	0	23.16	1.61	22.62	<=34.77	Pass
			7	23.20	1.61	22.66	<=34.77	Pass
			14	23.13	1.61	22.59	<=34.77	Pass
		8	0	22.16	1.61	21.62	<=34.77	Pass
			4	22.23	1.61	21.69	<=34.77	Pass
			7	22.22	1.61	21.68	<=34.77	Pass
		15	0	22.12	1.61	21.58	<=34.77	Pass
	700.5	1	0	22.10	1.61	21.56	<=34.77	Pass
			7	22.18	1.61	21.64	<=34.77	Pass
			14	22.14	1.61	21.60	<=34.77	Pass
		8	0	21.14	1.61	20.60	<=34.77	Pass
			4	21.10	1.61	20.56	<=34.77	Pass
			7	21.05	1.61	20.51	<=34.77	Pass
		15	0	21.06	1.61	20.52	<=34.77	Pass
	707.5	1	0	22.21	1.61	21.67	<=34.77	Pass
			7	22.28	1.61	21.74	<=34.77	Pass
			14	22.20	1.61	21.66	<=34.77	Pass
		8	0	21.09	1.61	20.55	<=34.77	Pass
			4	21.14	1.61	20.60	<=34.77	Pass
			7	21.10	1.61	20.56	<=34.77	Pass
		15	0	21.12	1.61	20.58	<=34.77	Pass
	714.5	1	0	22.32	1.61	21.78	<=34.77	Pass
			7	22.35	1.61	21.81	<=34.77	Pass
			14	22.24	1.61	21.70	<=34.77	Pass
		8	0	21.18	1.61	20.64	<=34.77	Pass
			4	21.25	1.61	20.71	<=34.77	Pass
			7	21.20	1.61	20.66	<=34.77	Pass
		15	0	21.14	1.61	20.60	<=34.77	Pass
64QAM	700.5	1	0	21.18	1.61	20.64	<=34.77	Pass
			7	21.18	1.61	20.64	<=34.77	Pass
			14	21.08	1.61	20.54	<=34.77	Pass
		8	0	20.10	1.61	19.56	<=34.77	Pass
			4	20.10	1.61	19.56	<=34.77	Pass
			7	20.07	1.61	19.53	<=34.77	Pass
		15	0	20.10	1.61	19.56	<=34.77	Pass
	707.5	1	0	21.23	1.61	20.69	<=34.77	Pass
			7	21.29	1.61	20.75	<=34.77	Pass
			14	21.21	1.61	20.67	<=34.77	Pass
		8	0	20.11	1.61	19.57	<=34.77	Pass
			4	20.17	1.61	19.63	<=34.77	Pass
			7	20.14	1.61	19.60	<=34.77	Pass
		15	0	20.13	1.61	19.59	<=34.77	Pass
	714.5	1	0	21.39	1.61	20.85	<=34.77	Pass
			7	21.36	1.61	20.82	<=34.77	Pass
			14	21.32	1.61	20.78	<=34.77	Pass



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		8	0	20.17	1.61	19.63	<=34.77	Pass
			4	20.23	1.61	19.69	<=34.77	Pass
			7	20.20	1.61	19.66	<=34.77	Pass
		15	0	20.11	1.61	19.57	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.06	1.61	22.52	<=34.77	Pass
			13	23.05	1.61	22.51	<=34.77	Pass
			24	23.02	1.61	22.48	<=34.77	Pass
		12	0	22.07	1.61	21.53	<=34.77	Pass
			6	22.14	1.61	21.60	<=34.77	Pass
			13	22.10	1.61	21.56	<=34.77	Pass
		25	0	22.15	1.61	21.61	<=34.77	Pass
	707.5	1	0	23.06	1.61	22.52	<=34.77	Pass
			13	23.11	1.61	22.57	<=34.77	Pass
			24	23.07	1.61	22.53	<=34.77	Pass
		12	0	22.09	1.61	21.55	<=34.77	Pass
			6	22.14	1.61	21.60	<=34.77	Pass
			13	22.12	1.61	21.58	<=34.77	Pass
		25	0	22.15	1.61	21.61	<=34.77	Pass
	713.5	1	0	23.17	1.61	22.63	<=34.77	Pass
			13	23.24	1.61	22.70	<=34.77	Pass
			24	23.25	1.61	22.71	<=34.77	Pass
		12	0	22.21	1.61	21.67	<=34.77	Pass
			6	22.20	1.61	21.66	<=34.77	Pass
			13	22.23	1.61	21.69	<=34.77	Pass
		25	0	22.18	1.61	21.64	<=34.77	Pass
16QAM	701.5	1	0	22.25	1.61	21.71	<=34.77	Pass
			13	22.12	1.61	21.58	<=34.77	Pass
			24	22.15	1.61	21.61	<=34.77	Pass
		12	0	21.12	1.61	20.58	<=34.77	Pass
			6	21.16	1.61	20.62	<=34.77	Pass
			13	21.13	1.61	20.59	<=34.77	Pass
		25	0	21.15	1.61	20.61	<=34.77	Pass
	707.5	1	0	22.21	1.61	21.67	<=34.77	Pass
			13	22.24	1.61	21.70	<=34.77	Pass
			24	22.20	1.61	21.66	<=34.77	Pass
		12	0	21.12	1.61	20.58	<=34.77	Pass
			6	21.18	1.61	20.64	<=34.77	Pass



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64QAM	713.5	25	13	21.12	1.61	20.58	<=34.77	Pass
			0	21.15	1.61	20.61	<=34.77	Pass
		1	0	22.37	1.61	21.83	<=34.77	Pass
			13	22.39	1.61	21.85	<=34.77	Pass
			24	22.38	1.61	21.84	<=34.77	Pass
		12	0	21.21	1.61	20.67	<=34.77	Pass
			6	21.21	1.61	20.67	<=34.77	Pass
			13	21.31	1.61	20.77	<=34.77	Pass
		25	0	21.23	1.61	20.69	<=34.77	Pass
	701.5	1	0	21.30	1.61	20.76	<=34.77	Pass
			13	21.36	1.61	20.82	<=34.77	Pass
			24	21.21	1.61	20.67	<=34.77	Pass
		12	0	20.15	1.61	19.61	<=34.77	Pass
			6	20.18	1.61	19.64	<=34.77	Pass
			13	20.15	1.61	19.61	<=34.77	Pass
		25	0	20.21	1.61	19.67	<=34.77	Pass
	707.5	1	0	21.22	1.61	20.68	<=34.77	Pass
			13	21.29	1.61	20.75	<=34.77	Pass
			24	21.18	1.61	20.64	<=34.77	Pass
		12	0	20.08	1.61	19.54	<=34.77	Pass
			6	20.15	1.61	19.61	<=34.77	Pass
			13	20.14	1.61	19.60	<=34.77	Pass
		25	0	20.11	1.61	19.57	<=34.77	Pass
	713.5	1	0	21.24	1.61	20.70	<=34.77	Pass
			13	21.37	1.61	20.83	<=34.77	Pass
			24	21.21	1.61	20.67	<=34.77	Pass
		12	0	20.23	1.61	19.69	<=34.77	Pass
			6	20.21	1.61	19.67	<=34.77	Pass
			13	20.29	1.61	19.75	<=34.77	Pass
		25	0	20.20	1.61	19.66	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.10	1.61	22.56	<=34.77	Pass
			25	23.05	1.61	22.51	<=34.77	Pass
			49	23.02	1.61	22.48	<=34.77	Pass
		25	0	22.11	1.61	21.57	<=34.77	Pass
			13	22.17	1.61	21.63	<=34.77	Pass
			25	22.15	1.61	21.61	<=34.77	Pass
		50	0	22.31	1.61	21.77	<=34.77	Pass



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16QAM	707.5	1	0	23.07	1.61	22.53	<=34.77	Pass
			25	23.10	1.61	22.56	<=34.77	Pass
			49	23.07	1.61	22.53	<=34.77	Pass
		25	0	22.09	1.61	21.55	<=34.77	Pass
			13	22.18	1.61	21.64	<=34.77	Pass
			25	22.18	1.61	21.64	<=34.77	Pass
		50	0	22.33	1.61	21.79	<=34.77	Pass
	711	1	0	23.16	1.61	22.62	<=34.77	Pass
			25	23.18	1.61	22.64	<=34.77	Pass
			49	23.16	1.61	22.62	<=34.77	Pass
		25	0	22.15	1.61	21.61	<=34.77	Pass
			13	22.17	1.61	21.63	<=34.77	Pass
			25	22.26	1.61	21.72	<=34.77	Pass
		50	0	22.34	1.61	21.80	<=34.77	Pass
64QAM	704	1	0	22.35	1.61	21.81	<=34.77	Pass
			25	22.26	1.61	21.72	<=34.77	Pass
			49	22.23	1.61	21.69	<=34.77	Pass
		25	0	21.13	1.61	20.59	<=34.77	Pass
			13	21.19	1.61	20.65	<=34.77	Pass
			25	21.17	1.61	20.63	<=34.77	Pass
		50	0	21.32	1.61	20.78	<=34.77	Pass
	707.5	1	0	22.16	1.61	21.62	<=34.77	Pass
			25	22.31	1.61	21.77	<=34.77	Pass
			49	22.17	1.61	21.63	<=34.77	Pass
		25	0	21.10	1.61	20.56	<=34.77	Pass
			13	21.18	1.61	20.64	<=34.77	Pass
			25	21.18	1.61	20.64	<=34.77	Pass
		50	0	21.30	1.61	20.76	<=34.77	Pass
	711	1	0	22.28	1.61	21.74	<=34.77	Pass
			25	22.33	1.61	21.79	<=34.77	Pass
			49	22.28	1.61	21.74	<=34.77	Pass
		25	0	21.17	1.61	20.63	<=34.77	Pass
			13	21.21	1.61	20.67	<=34.77	Pass
			25	21.27	1.61	20.73	<=34.77	Pass
		50	0	21.34	1.61	20.80	<=34.77	Pass
64QAM	704	1	0	21.30	1.61	20.76	<=34.77	Pass
			25	21.25	1.61	20.71	<=34.77	Pass
			49	21.19	1.61	20.65	<=34.77	Pass
		25	0	20.14	1.61	19.60	<=34.77	Pass
			13	20.19	1.61	19.65	<=34.77	Pass
			25	20.17	1.61	19.63	<=34.77	Pass
		50	0	20.32	1.61	19.78	<=34.77	Pass
	707.5	1	0	21.23	1.61	20.69	<=34.77	Pass
			25	21.33	1.61	20.79	<=34.77	Pass
			49	21.12	1.61	20.58	<=34.77	Pass
		25	0	20.14	1.61	19.60	<=34.77	Pass
			13	20.21	1.61	19.67	<=34.77	Pass
			25	20.18	1.61	19.64	<=34.77	Pass



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	711	50	0	20.34	1.61	19.80	<=34.77	Pass
		1	0	21.29	1.61	20.75	<=34.77	Pass
			25	21.35	1.61	20.81	<=34.77	Pass
			49	21.34	1.61	20.80	<=34.77	Pass
		25	0	20.18	1.61	19.64	<=34.77	Pass
			13	20.22	1.61	19.68	<=34.77	Pass
			25	20.25	1.61	19.71	<=34.77	Pass
		50	0	20.32	1.61	19.78	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.3	7.726	0.0110	-2.5 to 2.5	Pass
					3.8	2.967	0.0042	-2.5 to 2.5	Pass
					4.3	0.210	0.0003	-2.5 to 2.5	Pass
				-30	3.8	-1.093	-0.0016	-2.5 to 2.5	Pass
				-20	3.8	-0.399	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	-0.546	-0.0008	-2.5 to 2.5	Pass
				0	3.8	-0.700	-0.0010	-2.5 to 2.5	Pass
				10	3.8	-0.283	-0.0004	-2.5 to 2.5	Pass
				30	3.8	-1.169	-0.0017	-2.5 to 2.5	Pass
				40	3.8	-0.846	-0.0012	-2.5 to 2.5	Pass
				50	3.8	-0.979	-0.0014	-2.5 to 2.5	Pass
	707.5	6	0	20	3.3	-11.774	-0.0166	-2.5 to 2.5	Pass
					3.8	-7.399	-0.0105	-2.5 to 2.5	Pass
					4.3	-4.458	-0.0063	-2.5 to 2.5	Pass
				-30	3.8	-2.275	-0.0032	-2.5 to 2.5	Pass
				-20	3.8	-2.448	-0.0035	-2.5 to 2.5	Pass
				-10	3.8	-1.953	-0.0028	-2.5 to 2.5	Pass
				0	3.8	-1.365	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-2.156	-0.0030	-2.5 to 2.5	Pass
				30	3.8	-0.873	-0.0012	-2.5 to 2.5	Pass
				40	3.8	-1.560	-0.0022	-2.5 to 2.5	Pass
				50	3.8	-1.399	-0.0020	-2.5 to 2.5	Pass
	715.3	6	0	20	3.3	-12.192	-0.0170	-2.5 to 2.5	Pass
					3.8	-19.259	-0.0269	-2.5 to 2.5	Pass
					4.3	-19.577	-0.0274	-2.5 to 2.5	Pass
				-30	3.8	-13.228	-0.0185	-2.5 to 2.5	Pass
				-20	3.8	-7.949	-0.0111	-2.5 to 2.5	Pass
				-10	3.8	-4.120	-0.0058	-2.5 to 2.5	Pass
				0	3.8	-2.505	-0.0035	-2.5 to 2.5	Pass
				10	3.8	-2.083	-0.0029	-2.5 to 2.5	Pass
				30	3.8	-1.561	-0.0022	-2.5 to 2.5	Pass
				40	3.8	-1.778	-0.0025	-2.5 to 2.5	Pass
				50	3.8	-1.029	-0.0014	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.3	-1.359	-0.0019	-2.5 to 2.5	Pass
					3.8	-1.367	-0.0020	-2.5 to 2.5	Pass
					4.3	-1.297	-0.0019	-2.5 to 2.5	Pass
				-30	3.8	-0.680	-0.0010	-2.5 to 2.5	Pass



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				-20	3.8	-1.209	-0.0017	-2.5 to 2.5	Pass
				-10	3.8	-1.471	-0.0021	-2.5 to 2.5	Pass
				0	3.8	-0.776	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.136	-0.0002	-2.5 to 2.5	Pass
				30	3.8	-0.136	-0.0002	-2.5 to 2.5	Pass
				40	3.8	-0.374	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.866	-0.0012	-2.5 to 2.5	Pass
	707.5	6	0	20	3.3	-0.903	-0.0013	-2.5 to 2.5	Pass
					3.8	-1.440	-0.0020	-2.5 to 2.5	Pass
					4.3	-1.138	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-0.594	-0.0008	-2.5 to 2.5	Pass
				-20	3.8	-0.039	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	-0.424	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-0.367	-0.0005	-2.5 to 2.5	Pass
				10	3.8	-0.995	-0.0014	-2.5 to 2.5	Pass
				30	3.8	-1.205	-0.0017	-2.5 to 2.5	Pass
				40	3.8	-0.208	-0.0003	-2.5 to 2.5	Pass
				50	3.8	-1.408	-0.0020	-2.5 to 2.5	Pass
	715.3	6	0	20	3.3	-0.913	-0.0013	-2.5 to 2.5	Pass
					3.8	-1.025	-0.0014	-2.5 to 2.5	Pass
					4.3	-0.463	-0.0006	-2.5 to 2.5	Pass
				-30	3.8	-0.629	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.197	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	-0.974	-0.0014	-2.5 to 2.5	Pass
				0	3.8	-1.217	-0.0017	-2.5 to 2.5	Pass
				10	3.8	-0.735	-0.0010	-2.5 to 2.5	Pass
				30	3.8	-0.926	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.705	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.691	-0.0010	-2.5 to 2.5	Pass
64QAM	699.7	6	0	20	3.3	-0.089	-0.0001	-2.5 to 2.5	Pass
					3.8	-0.509	-0.0007	-2.5 to 2.5	Pass
					4.3	-0.531	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	-1.604	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-0.180	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	-0.611	-0.0009	-2.5 to 2.5	Pass
				0	3.8	-0.744	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.849	-0.0012	-2.5 to 2.5	Pass
				30	3.8	-0.754	-0.0011	-2.5 to 2.5	Pass
				40	3.8	-0.641	-0.0009	-2.5 to 2.5	Pass
				50	3.8	-1.070	-0.0015	-2.5 to 2.5	Pass
	707.5	6	0	20	3.3	-0.672	-0.0009	-2.5 to 2.5	Pass
					3.8	-0.191	-0.0003	-2.5 to 2.5	Pass
					4.3	-1.203	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	0.015	0.0000	-2.5 to 2.5	Pass
				-20	3.8	-0.501	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-0.898	-0.0013	-2.5 to 2.5	Pass
				0	3.8	-0.595	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-0.969	-0.0014	-2.5 to 2.5	Pass



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	715.3	6	0	30	3.8	-0.458	-0.0006	-2.5 to 2.5	Pass
				40	3.8	-0.800	-0.0011	-2.5 to 2.5	Pass
				50	3.8	-0.409	-0.0006	-2.5 to 2.5	Pass
				20	3.3	-0.984	-0.0014	-2.5 to 2.5	Pass
					3.8	-1.193	-0.0017	-2.5 to 2.5	Pass
					4.3	-2.238	-0.0031	-2.5 to 2.5	Pass
				-30	3.8	-0.667	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.510	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-1.132	-0.0016	-2.5 to 2.5	Pass
				0	3.8	-0.611	-0.0009	-2.5 to 2.5	Pass
				10	3.8	-0.456	-0.0006	-2.5 to 2.5	Pass
				30	3.8	-0.564	-0.0008	-2.5 to 2.5	Pass
				40	3.8	0.015	0.0000	-2.5 to 2.5	Pass
				50	3.8	-0.555	-0.0008	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.3	-0.166	-0.0002	-2.5 to 2.5	Pass
					3.8	0.117	0.0002	-2.5 to 2.5	Pass
					4.3	0.101	0.0001	-2.5 to 2.5	Pass
				-30	3.8	0.456	0.0007	-2.5 to 2.5	Pass
				-20	3.8	0.900	0.0013	-2.5 to 2.5	Pass
				-10	3.8	0.837	0.0012	-2.5 to 2.5	Pass
				0	3.8	2.072	0.0030	-2.5 to 2.5	Pass
				10	3.8	0.367	0.0005	-2.5 to 2.5	Pass
				30	3.8	1.995	0.0028	-2.5 to 2.5	Pass
				40	3.8	0.961	0.0014	-2.5 to 2.5	Pass
				50	3.8	1.075	0.0015	-2.5 to 2.5	Pass
	707.5	15	0	20	3.3	0.472	0.0007	-2.5 to 2.5	Pass
					3.8	0.207	0.0003	-2.5 to 2.5	Pass
					4.3	0.745	0.0011	-2.5 to 2.5	Pass
				-30	3.8	-0.117	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	0.360	0.0005	-2.5 to 2.5	Pass
				-10	3.8	-0.891	-0.0013	-2.5 to 2.5	Pass
				0	3.8	0.365	0.0005	-2.5 to 2.5	Pass
				10	3.8	-0.322	-0.0005	-2.5 to 2.5	Pass
				30	3.8	-0.265	-0.0004	-2.5 to 2.5	Pass
				40	3.8	-0.439	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-0.537	-0.0008	-2.5 to 2.5	Pass
	714.5	15	0	20	3.3	1.567	0.0022	-2.5 to 2.5	Pass
					3.8	1.803	0.0025	-2.5 to 2.5	Pass



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					4.3	1.264	0.0018	-2.5 to 2.5	Pass
				-30	3.8	0.747	0.0010	-2.5 to 2.5	Pass
				-20	3.8	0.812	0.0011	-2.5 to 2.5	Pass
				-10	3.8	1.592	0.0022	-2.5 to 2.5	Pass
				0	3.8	0.137	0.0002	-2.5 to 2.5	Pass
				10	3.8	0.349	0.0005	-2.5 to 2.5	Pass
				30	3.8	0.519	0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.652	-0.0009	-2.5 to 2.5	Pass
				50	3.8	0.554	0.0008	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.3	1.048	0.0015	-2.5 to 2.5	Pass
					3.8	0.965	0.0014	-2.5 to 2.5	Pass
					4.3	1.223	0.0017	-2.5 to 2.5	Pass
				-30	3.8	0.268	0.0004	-2.5 to 2.5	Pass
				-20	3.8	1.541	0.0022	-2.5 to 2.5	Pass
				-10	3.8	1.157	0.0017	-2.5 to 2.5	Pass
				0	3.8	0.933	0.0013	-2.5 to 2.5	Pass
				10	3.8	1.048	0.0015	-2.5 to 2.5	Pass
				30	3.8	0.251	0.0004	-2.5 to 2.5	Pass
				40	3.8	0.382	0.0005	-2.5 to 2.5	Pass
				50	3.8	1.051	0.0015	-2.5 to 2.5	Pass
	707.5	15	0	20	3.3	0.310	0.0004	-2.5 to 2.5	Pass
					3.8	-0.684	-0.0010	-2.5 to 2.5	Pass
					4.3	-0.199	-0.0003	-2.5 to 2.5	Pass
				-30	3.8	-0.208	-0.0003	-2.5 to 2.5	Pass
				-20	3.8	0.547	0.0008	-2.5 to 2.5	Pass
				-10	3.8	-0.363	-0.0005	-2.5 to 2.5	Pass
				0	3.8	0.592	0.0008	-2.5 to 2.5	Pass
				10	3.8	-0.710	-0.0010	-2.5 to 2.5	Pass
				30	3.8	0.177	0.0003	-2.5 to 2.5	Pass
				40	3.8	-0.265	-0.0004	-2.5 to 2.5	Pass
				50	3.8	-0.537	-0.0008	-2.5 to 2.5	Pass
	714.5	15	0	20	3.3	0.341	0.0005	-2.5 to 2.5	Pass
					3.8	0.273	0.0004	-2.5 to 2.5	Pass
					4.3	0.778	0.0011	-2.5 to 2.5	Pass
				-30	3.8	-0.774	-0.0011	-2.5 to 2.5	Pass
				-20	3.8	0.635	0.0009	-2.5 to 2.5	Pass
				-10	3.8	-1.256	-0.0018	-2.5 to 2.5	Pass
				0	3.8	-0.304	-0.0004	-2.5 to 2.5	Pass
				10	3.8	0.107	0.0001	-2.5 to 2.5	Pass
				30	3.8	-0.102	-0.0001	-2.5 to 2.5	Pass
				40	3.8	-0.223	-0.0003	-2.5 to 2.5	Pass
64QAM	700.5	15	0	20	3.3	0.657	0.0009	-2.5 to 2.5	Pass
					3.8	0.734	0.0010	-2.5 to 2.5	Pass
					4.3	-0.221	-0.0003	-2.5 to 2.5	Pass
				-30	3.8	0.630	0.0009	-2.5 to 2.5	Pass
				-20	3.8	0.651	0.0009	-2.5 to 2.5	Pass
				-10	3.8	0.245	0.0003	-2.5 to 2.5	Pass



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				0	3.8	-0.603	-0.0009	-2.5 to 2.5	Pass
				10	3.8	-0.036	-0.0001	-2.5 to 2.5	Pass
				30	3.8	0.170	0.0002	-2.5 to 2.5	Pass
				40	3.8	0.575	0.0008	-2.5 to 2.5	Pass
				50	3.8	0.460	0.0007	-2.5 to 2.5	Pass
	707.5	15	0	20	3.3	-1.146	-0.0016	-2.5 to 2.5	Pass
					3.8	-1.139	-0.0016	-2.5 to 2.5	Pass
					4.3	-0.232	-0.0003	-2.5 to 2.5	Pass
				-30	3.8	-1.629	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-0.816	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	0.922	0.0013	-2.5 to 2.5	Pass
				0	3.8	0.986	0.0014	-2.5 to 2.5	Pass
				10	3.8	0.385	0.0005	-2.5 to 2.5	Pass
				30	3.8	-0.357	-0.0005	-2.5 to 2.5	Pass
				40	3.8	0.217	0.0003	-2.5 to 2.5	Pass
				50	3.8	-0.215	-0.0003	-2.5 to 2.5	Pass
	714.5	15	0	20	3.3	0.983	0.0014	-2.5 to 2.5	Pass
					3.8	0.364	0.0005	-2.5 to 2.5	Pass
					4.3	-0.252	-0.0004	-2.5 to 2.5	Pass
				-30	3.8	-0.677	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.456	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	-0.383	-0.0005	-2.5 to 2.5	Pass
				0	3.8	1.050	0.0015	-2.5 to 2.5	Pass
				10	3.8	0.468	0.0007	-2.5 to 2.5	Pass
				30	3.8	-0.244	-0.0003	-2.5 to 2.5	Pass
				40	3.8	0.236	0.0003	-2.5 to 2.5	Pass
				50	3.8	-0.583	-0.0008	-2.5 to 2.5	Pass

2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.3	0.198	0.0003	-2.5 to 2.5	Pass
					3.8	-1.260	-0.0018	-2.5 to 2.5	Pass
					4.3	-0.180	-0.0003	-2.5 to 2.5	Pass
				-30	3.8	-0.041	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	-0.150	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.173	-0.0002	-2.5 to 2.5	Pass
				0	3.8	0.098	0.0001	-2.5 to 2.5	Pass
				10	3.8	0.411	0.0006	-2.5 to 2.5	Pass
				30	3.8	0.174	0.0002	-2.5 to 2.5	Pass
				40	3.8	0.754	0.0011	-2.5 to 2.5	Pass
				50	3.8	0.659	0.0009	-2.5 to 2.5	Pass



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16QAM	707.5	25	0	20	3.3	-0.334	-0.0005	-2.5 to 2.5	Pass
					3.8	-0.509	-0.0007	-2.5 to 2.5	Pass
					4.3	0.421	0.0006	-2.5 to 2.5	Pass
				-30	3.8	-0.350	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	-0.359	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-0.473	-0.0007	-2.5 to 2.5	Pass
				0	3.8	-0.102	-0.0001	-2.5 to 2.5	Pass
				10	3.8	-0.675	-0.0010	-2.5 to 2.5	Pass
				30	3.8	-0.005	0.0000	-2.5 to 2.5	Pass
				40	3.8	0.279	0.0004	-2.5 to 2.5	Pass
				50	3.8	0.934	0.0013	-2.5 to 2.5	Pass
	713.5	25	0	20	3.3	0.822	0.0012	-2.5 to 2.5	Pass
					3.8	-0.289	-0.0004	-2.5 to 2.5	Pass
					4.3	0.145	0.0002	-2.5 to 2.5	Pass
				-30	3.8	0.719	0.0010	-2.5 to 2.5	Pass
				-20	3.8	-0.625	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	-0.146	-0.0002	-2.5 to 2.5	Pass
				0	3.8	-0.369	-0.0005	-2.5 to 2.5	Pass
				10	3.8	-0.423	-0.0006	-2.5 to 2.5	Pass
				30	3.8	-0.546	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-1.278	-0.0018	-2.5 to 2.5	Pass
				50	3.8	-0.315	-0.0004	-2.5 to 2.5	Pass
	701.5	25	0	20	3.3	0.577	0.0008	-2.5 to 2.5	Pass
					3.8	1.897	0.0027	-2.5 to 2.5	Pass
					4.3	1.057	0.0015	-2.5 to 2.5	Pass
				-30	3.8	1.439	0.0021	-2.5 to 2.5	Pass
				-20	3.8	1.484	0.0021	-2.5 to 2.5	Pass
				-10	3.8	1.443	0.0021	-2.5 to 2.5	Pass
				0	3.8	2.306	0.0033	-2.5 to 2.5	Pass
				10	3.8	1.373	0.0020	-2.5 to 2.5	Pass
				30	3.8	0.546	0.0008	-2.5 to 2.5	Pass
				40	3.8	-0.120	-0.0002	-2.5 to 2.5	Pass
				50	3.8	0.235	0.0003	-2.5 to 2.5	Pass
	707.5	25	0	20	3.3	1.343	0.0019	-2.5 to 2.5	Pass
					3.8	1.290	0.0018	-2.5 to 2.5	Pass
					4.3	1.757	0.0025	-2.5 to 2.5	Pass
				-30	3.8	1.555	0.0022	-2.5 to 2.5	Pass
				-20	3.8	0.896	0.0013	-2.5 to 2.5	Pass
				-10	3.8	0.885	0.0013	-2.5 to 2.5	Pass
				0	3.8	0.778	0.0011	-2.5 to 2.5	Pass
				10	3.8	1.762	0.0025	-2.5 to 2.5	Pass
				30	3.8	1.078	0.0015	-2.5 to 2.5	Pass
				40	3.8	0.585	0.0008	-2.5 to 2.5	Pass
				50	3.8	0.447	0.0006	-2.5 to 2.5	Pass
	713.5	25	0	20	3.3	-0.568	-0.0008	-2.5 to 2.5	Pass
					3.8	0.166	0.0002	-2.5 to 2.5	Pass
					4.3	-0.965	-0.0014	-2.5 to 2.5	Pass
				-30	3.8	-0.555	-0.0008	-2.5 to 2.5	Pass



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				-20	3.8	-0.373	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-0.051	-0.0001	-2.5 to 2.5	Pass
				0	3.8	-0.868	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-0.620	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-0.106	-0.0001	-2.5 to 2.5	Pass
				40	3.8	-0.874	-0.0012	-2.5 to 2.5	Pass
				50	3.8	-0.240	-0.0003	-2.5 to 2.5	Pass
64QAM	701.5	25	0	20	3.3	-0.414	-0.0006	-2.5 to 2.5	Pass
					3.8	-0.334	-0.0005	-2.5 to 2.5	Pass
					4.3	0.614	0.0009	-2.5 to 2.5	Pass
				-30	3.8	0.277	0.0004	-2.5 to 2.5	Pass
				-20	3.8	0.130	0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.708	-0.0010	-2.5 to 2.5	Pass
				0	3.8	0.218	0.0003	-2.5 to 2.5	Pass
				10	3.8	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.8	-0.176	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-0.241	-0.0003	-2.5 to 2.5	Pass
				50	3.8	-0.735	-0.0010	-2.5 to 2.5	Pass
	707.5	25	0	20	3.3	0.084	0.0001	-2.5 to 2.5	Pass
					3.8	0.183	0.0003	-2.5 to 2.5	Pass
					4.3	-0.349	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	0.337	0.0005	-2.5 to 2.5	Pass
				-20	3.8	-0.214	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	-0.408	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-0.165	-0.0002	-2.5 to 2.5	Pass
				10	3.8	0.929	0.0013	-2.5 to 2.5	Pass
				30	3.8	0.077	0.0001	-2.5 to 2.5	Pass
				40	3.8	-0.431	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-0.888	-0.0013	-2.5 to 2.5	Pass
	713.5	25	0	20	3.3	0.059	0.0001	-2.5 to 2.5	Pass
					3.8	-0.233	-0.0003	-2.5 to 2.5	Pass
					4.3	-0.363	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	-1.125	-0.0016	-2.5 to 2.5	Pass
				-20	3.8	-1.368	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-0.651	-0.0009	-2.5 to 2.5	Pass
				0	3.8	-0.013	0.0000	-2.5 to 2.5	Pass
				10	3.8	0.104	0.0001	-2.5 to 2.5	Pass
				30	3.8	-0.918	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.927	-0.0013	-2.5 to 2.5	Pass
				50	3.8	-0.874	-0.0012	-2.5 to 2.5	Pass



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2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.3	-1.493	-0.0021	-2.5 to 2.5	Pass
					3.8	-0.478	-0.0007	-2.5 to 2.5	Pass
					4.3	-1.583	-0.0022	-2.5 to 2.5	Pass
				-30	3.8	-1.165	-0.0017	-2.5 to 2.5	Pass
				-20	3.8	-1.620	-0.0023	-2.5 to 2.5	Pass
				-10	3.8	-1.576	-0.0022	-2.5 to 2.5	Pass
				0	3.8	-0.818	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-1.310	-0.0019	-2.5 to 2.5	Pass
				30	3.8	-0.338	-0.0005	-2.5 to 2.5	Pass
				40	3.8	-2.205	-0.0031	-2.5 to 2.5	Pass
				50	3.8	-1.635	-0.0023	-2.5 to 2.5	Pass
	707.5	50	0	20	3.3	-1.765	-0.0025	-2.5 to 2.5	Pass
					3.8	-1.717	-0.0024	-2.5 to 2.5	Pass
					4.3	-2.184	-0.0031	-2.5 to 2.5	Pass
				-30	3.8	-1.683	-0.0024	-2.5 to 2.5	Pass
				-20	3.8	-1.373	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-1.799	-0.0025	-2.5 to 2.5	Pass
				0	3.8	-0.798	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-1.523	-0.0022	-2.5 to 2.5	Pass
				30	3.8	-0.873	-0.0012	-2.5 to 2.5	Pass
				40	3.8	-1.931	-0.0027	-2.5 to 2.5	Pass
				50	3.8	-1.395	-0.0020	-2.5 to 2.5	Pass
	711	50	0	20	3.3	-0.447	-0.0006	-2.5 to 2.5	Pass
					3.8	-0.858	-0.0012	-2.5 to 2.5	Pass
					4.3	-0.916	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	0.049	0.0001	-2.5 to 2.5	Pass
				-20	3.8	-0.640	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	-0.882	-0.0012	-2.5 to 2.5	Pass
				0	3.8	-0.501	-0.0007	-2.5 to 2.5	Pass
				10	3.8	0.139	0.0002	-2.5 to 2.5	Pass
				30	3.8	-0.081	-0.0001	-2.5 to 2.5	Pass
				40	3.8	-0.458	-0.0006	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.3	-1.322	-0.0019	-2.5 to 2.5	Pass
					3.8	-1.237	-0.0018	-2.5 to 2.5	Pass
					4.3	-1.971	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	-1.413	-0.0020	-2.5 to 2.5	Pass
				-20	3.8	-1.788	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-1.437	-0.0020	-2.5 to 2.5	Pass
				0	3.8	-2.235	-0.0032	-2.5 to 2.5	Pass



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64QAM	707.5	50	0	10	3.8	-2.289	-0.0033	-2.5 to 2.5	Pass
				30	3.8	-2.086	-0.0030	-2.5 to 2.5	Pass
				40	3.8	-2.277	-0.0032	-2.5 to 2.5	Pass
				50	3.8	-1.988	-0.0028	-2.5 to 2.5	Pass
				20	3.3	-1.708	-0.0024	-2.5 to 2.5	Pass
					3.8	-1.605	-0.0023	-2.5 to 2.5	Pass
					4.3	-1.404	-0.0020	-2.5 to 2.5	Pass
				-30	3.8	-1.601	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-2.226	-0.0031	-2.5 to 2.5	Pass
				-10	3.8	-2.179	-0.0031	-2.5 to 2.5	Pass
				0	3.8	-2.009	-0.0028	-2.5 to 2.5	Pass
				10	3.8	-1.494	-0.0021	-2.5 to 2.5	Pass
				30	3.8	-2.003	-0.0028	-2.5 to 2.5	Pass
	711	50	0	40	3.8	-1.006	-0.0014	-2.5 to 2.5	Pass
				50	3.8	-0.998	-0.0014	-2.5 to 2.5	Pass
				20	3.3	-0.156	-0.0002	-2.5 to 2.5	Pass
					3.8	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.3	0.146	0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.455	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	0.891	0.0013	-2.5 to 2.5	Pass
				-10	3.8	-0.394	-0.0006	-2.5 to 2.5	Pass
				0	3.8	0.131	0.0002	-2.5 to 2.5	Pass
				10	3.8	-0.340	-0.0005	-2.5 to 2.5	Pass
				30	3.8	-0.173	-0.0002	-2.5 to 2.5	Pass
				40	3.8	0.734	0.0010	-2.5 to 2.5	Pass
	704	50	0	50	3.8	-0.597	-0.0008	-2.5 to 2.5	Pass
				20	3.3	-2.035	-0.0029	-2.5 to 2.5	Pass
					3.8	-1.717	-0.0024	-2.5 to 2.5	Pass
					4.3	-2.403	-0.0034	-2.5 to 2.5	Pass
				-30	3.8	-1.334	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-1.719	-0.0024	-2.5 to 2.5	Pass
				-10	3.8	-1.415	-0.0020	-2.5 to 2.5	Pass
				0	3.8	-1.387	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-1.143	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-1.599	-0.0023	-2.5 to 2.5	Pass
				40	3.8	-2.076	-0.0029	-2.5 to 2.5	Pass
				50	3.8	-1.832	-0.0026	-2.5 to 2.5	Pass
	707.5	50	0	20	3.3	-1.222	-0.0017	-2.5 to 2.5	Pass
					3.8	-1.539	-0.0022	-2.5 to 2.5	Pass
					4.3	-1.884	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-0.342	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	-0.612	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	-0.947	-0.0013	-2.5 to 2.5	Pass
				0	3.8	-0.838	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-1.425	-0.0020	-2.5 to 2.5	Pass
				30	3.8	-1.771	-0.0025	-2.5 to 2.5	Pass
				40	3.8	-0.900	-0.0013	-2.5 to 2.5	Pass
				50	3.8	-1.052	-0.0015	-2.5 to 2.5	Pass



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711	50	0	20	3.3	-0.106	-0.0001	-2.5 to 2.5	Pass
				3.8	-0.748	-0.0011	-2.5 to 2.5	Pass
				4.3	-0.275	-0.0004	-2.5 to 2.5	Pass
			-30	3.8	-0.072	-0.0001	-2.5 to 2.5	Pass
			-20	3.8	-1.104	-0.0016	-2.5 to 2.5	Pass
			-10	3.8	-0.583	-0.0008	-2.5 to 2.5	Pass
			0	3.8	-0.428	-0.0006	-2.5 to 2.5	Pass
			10	3.8	-0.883	-0.0012	-2.5 to 2.5	Pass
			30	3.8	-0.056	-0.0001	-2.5 to 2.5	Pass
			40	3.8	-1.190	-0.0017	-2.5 to 2.5	Pass
			50	3.8	-1.612	-0.0023	-2.5 to 2.5	Pass



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3. 99% & 26dB Bandwidth

3.1 Band12_OBW

3.1.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.120	/	Pass
		707.5	6	0	1.118	/	Pass
		715.3	6	0	1.124	/	Pass
	16QAM	699.7	6	0	1.131	/	Pass
		707.5	6	0	1.127	/	Pass
		715.3	6	0	1.120	/	Pass
	64QAM	699.7	6	0	1.126	/	Pass
		707.5	6	0	1.122	/	Pass
		715.3	6	0	1.121	/	Pass
3	QPSK	700.5	15	0	2.743	/	Pass
		707.5	15	0	2.750	/	Pass
		714.5	15	0	2.751	/	Pass
	16QAM	700.5	15	0	2.743	/	Pass
		707.5	15	0	2.743	/	Pass
		714.5	15	0	2.749	/	Pass
	64QAM	700.5	15	0	2.747	/	Pass
		707.5	15	0	2.750	/	Pass
		714.5	15	0	2.752	/	Pass
5	QPSK	701.5	25	0	4.567	/	Pass
		707.5	25	0	4.561	/	Pass
		713.5	25	0	4.580	/	Pass
	16QAM	701.5	25	0	4.579	/	Pass
		707.5	25	0	4.561	/	Pass
		713.5	25	0	4.589	/	Pass
	64QAM	701.5	25	0	4.564	/	Pass
		707.5	25	0	4.554	/	Pass
		713.5	25	0	4.588	/	Pass
10	QPSK	704	50	0	9.074	/	Pass
		707.5	50	0	9.051	/	Pass
		711	50	0	9.077	/	Pass
	16QAM	704	50	0	9.072	/	Pass
		707.5	50	0	9.065	/	Pass
		711	50	0	9.078	/	Pass
	64QAM	704	50	0	9.075	/	Pass
		707.5	50	0	9.054	/	Pass
		711	50	0	9.079	/	Pass



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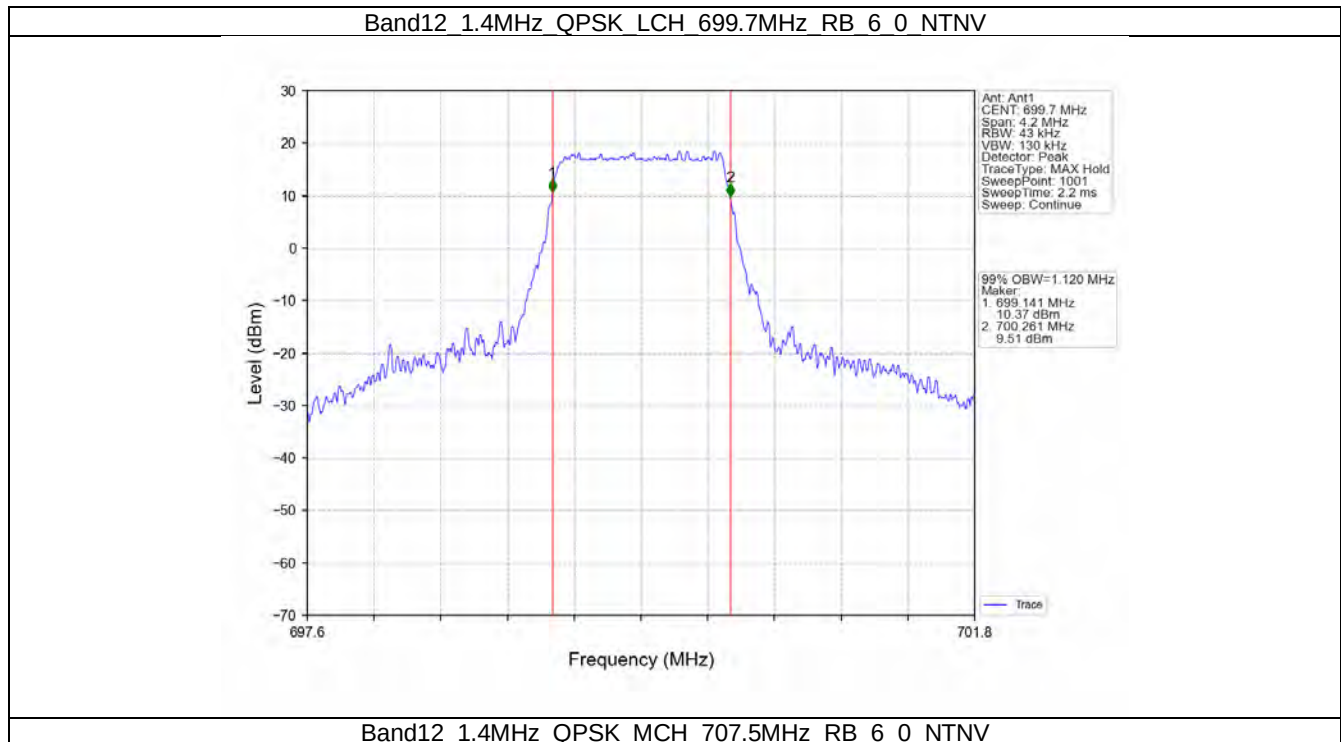
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3.1.2 Test Graph



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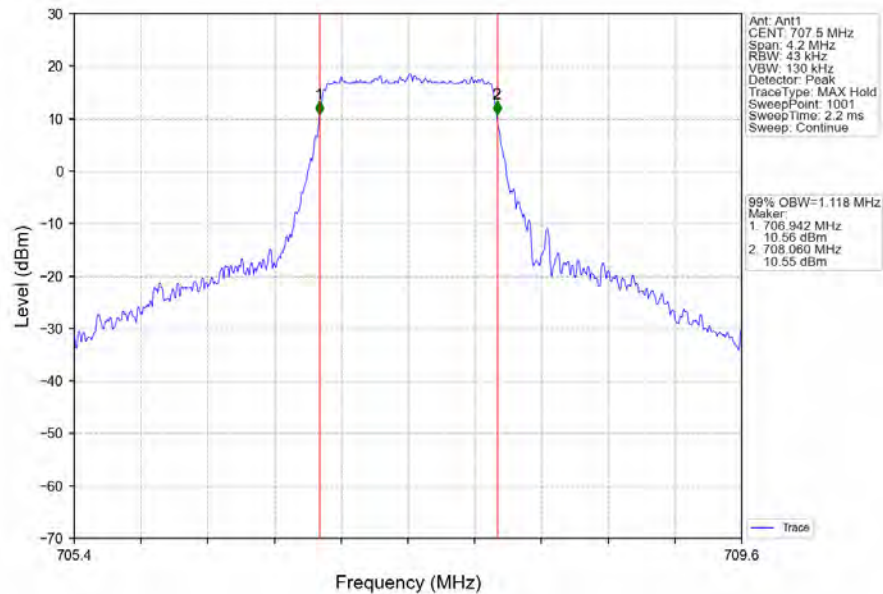


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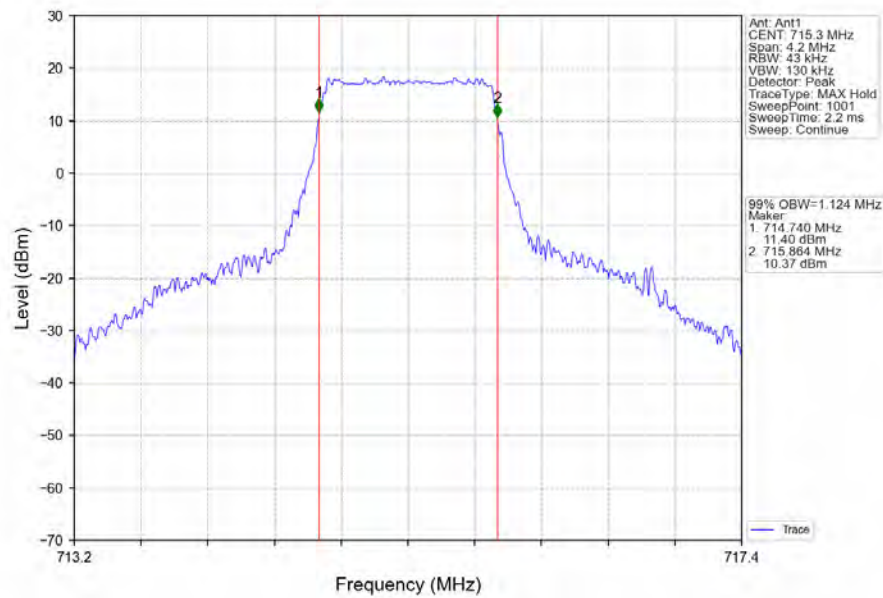
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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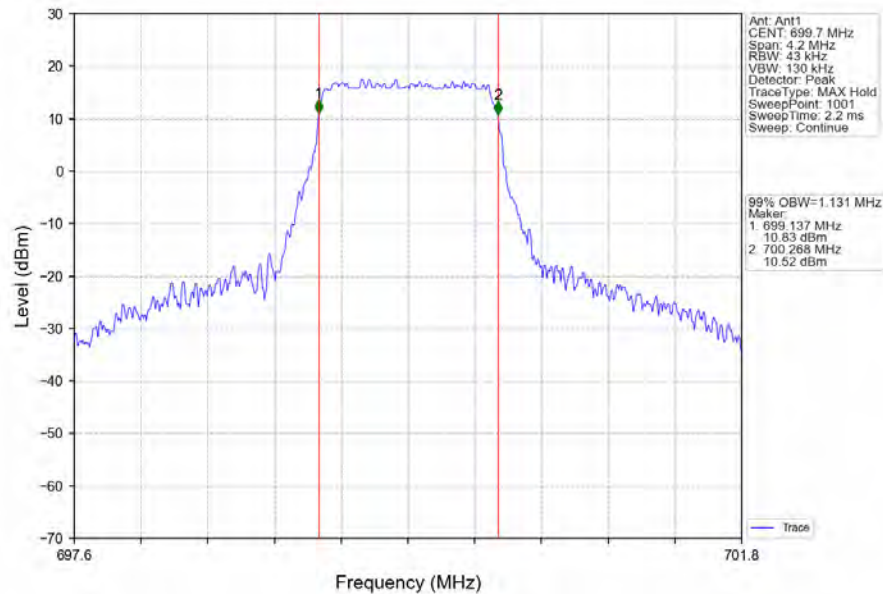


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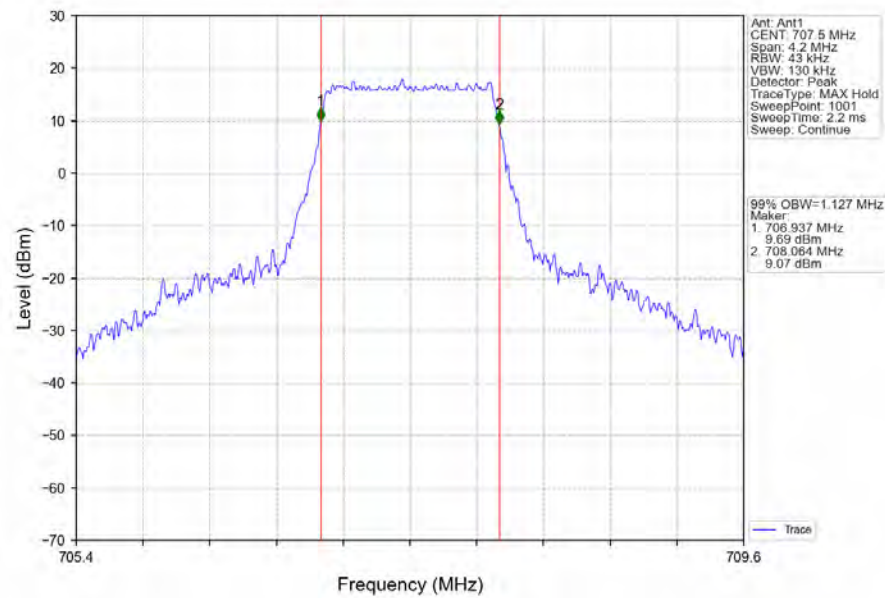
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Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



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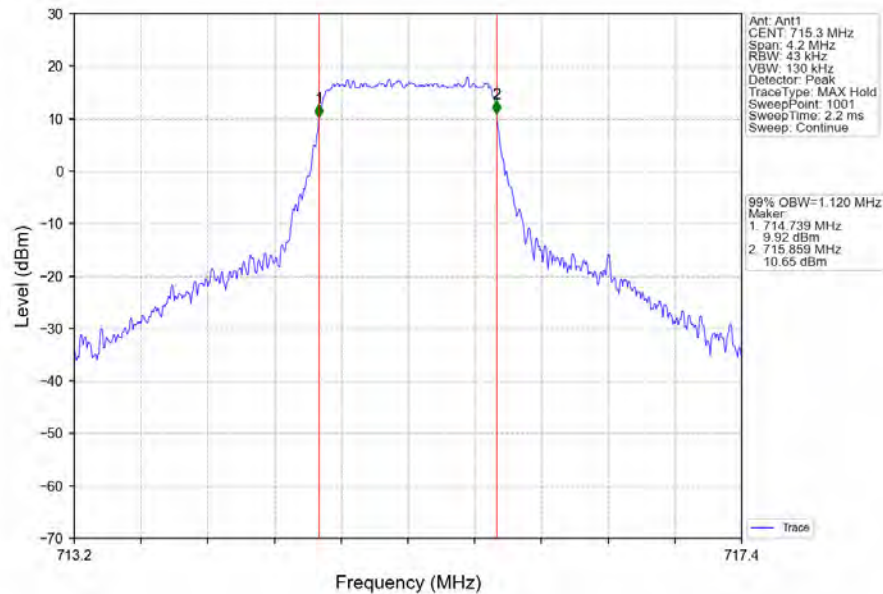


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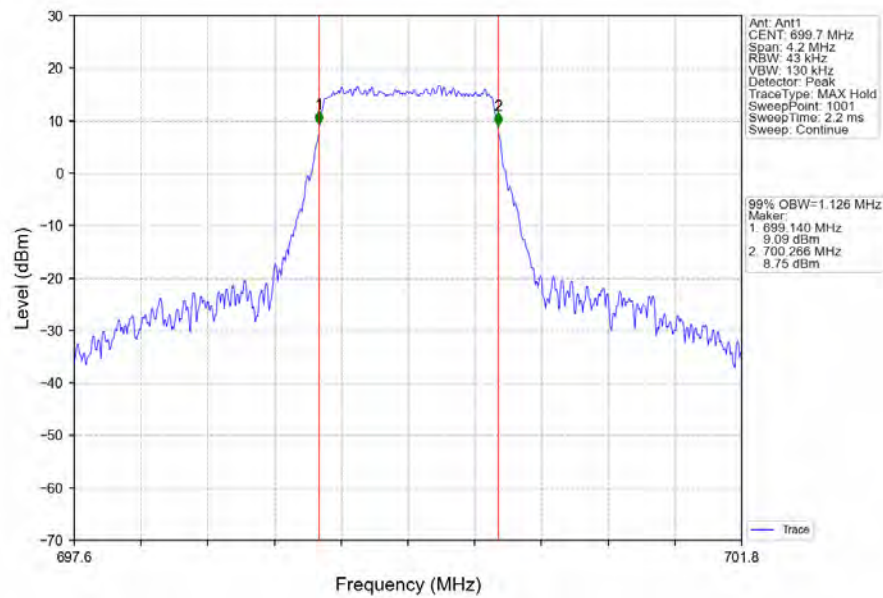
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Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



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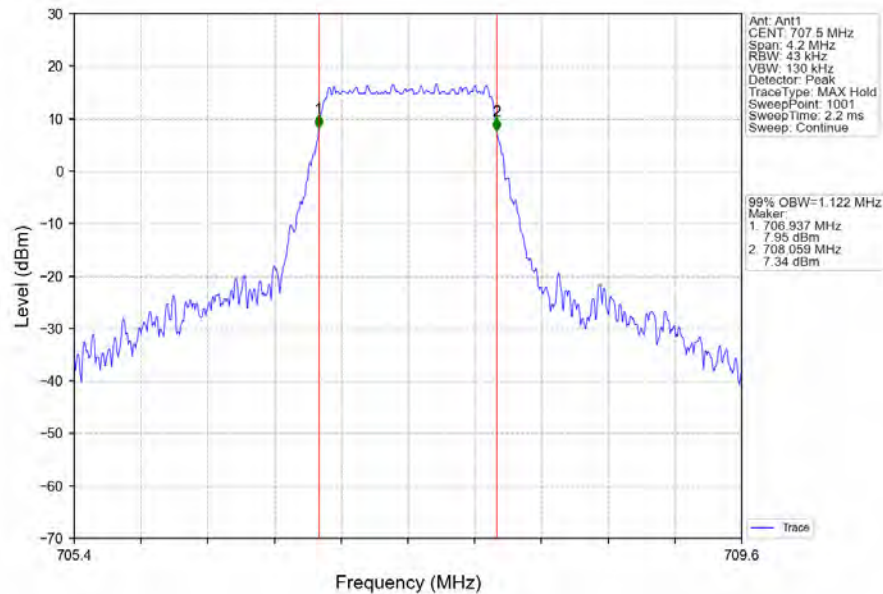


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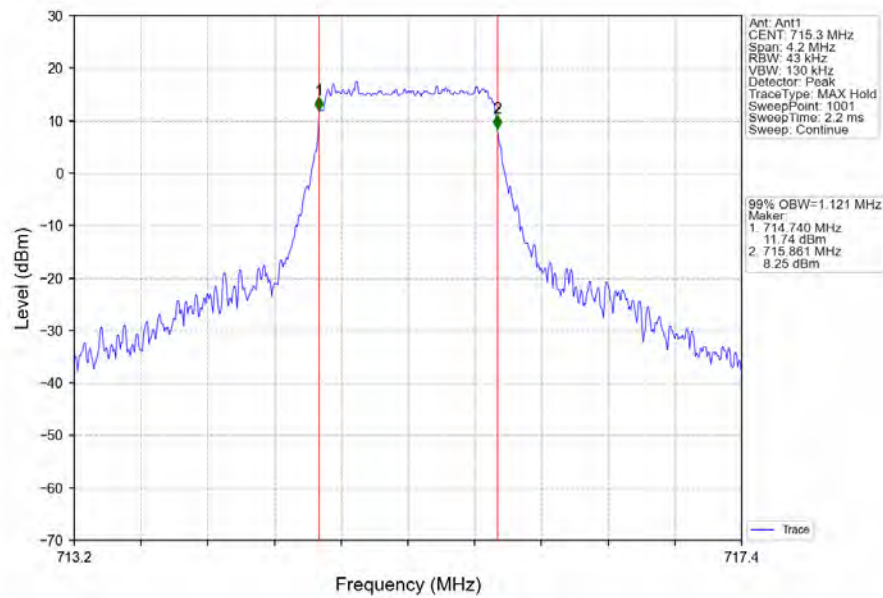
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Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



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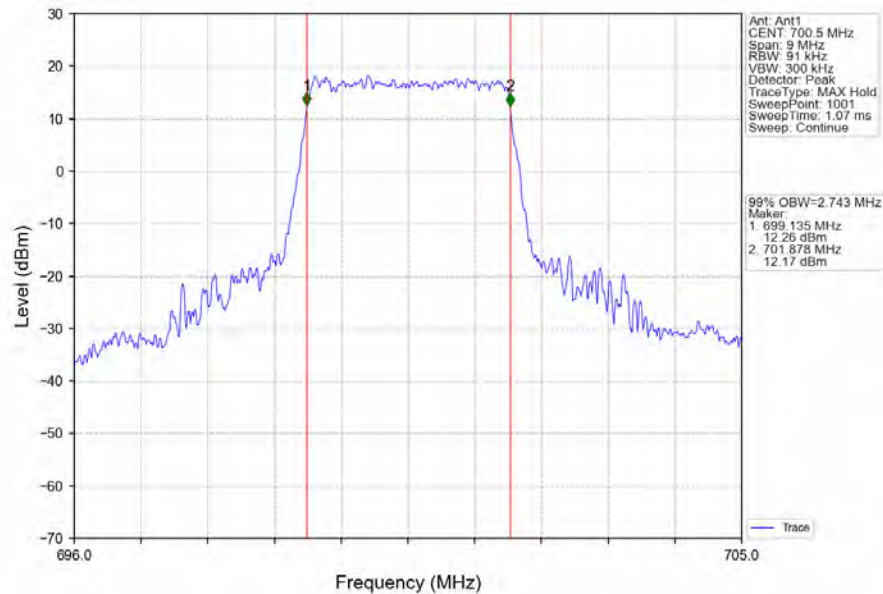


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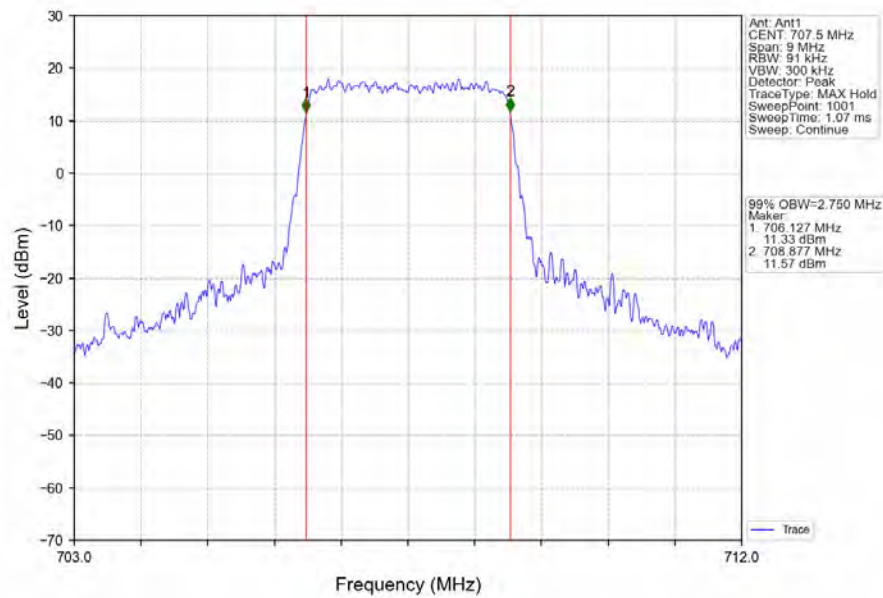
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Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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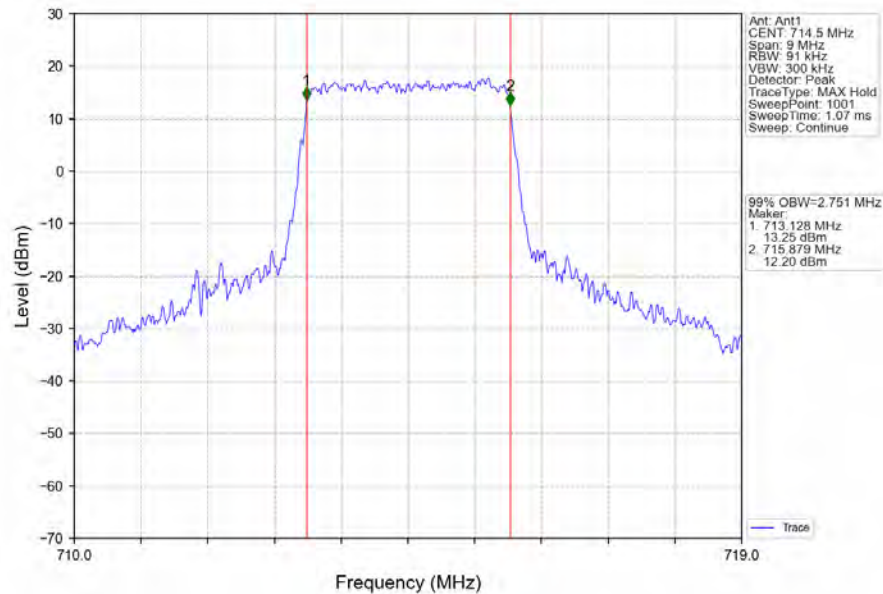


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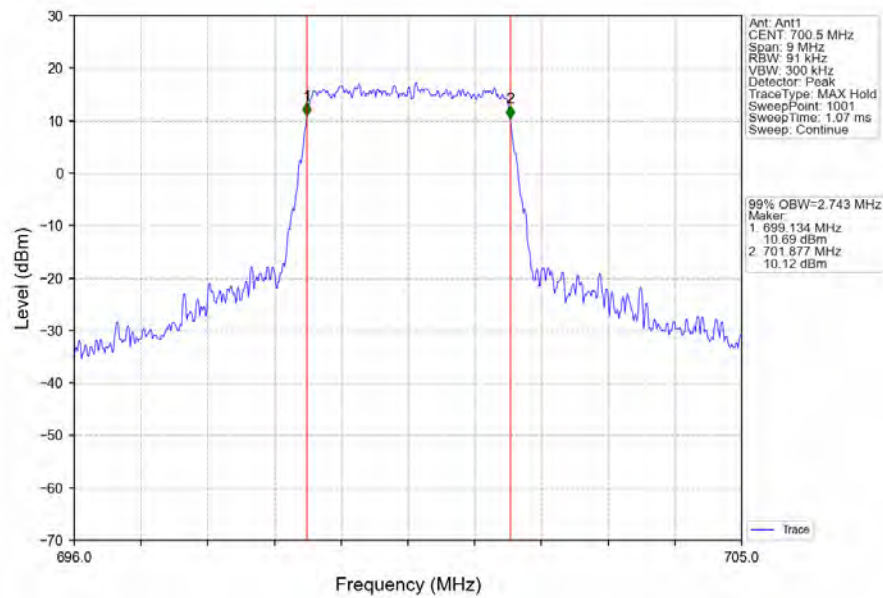
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Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



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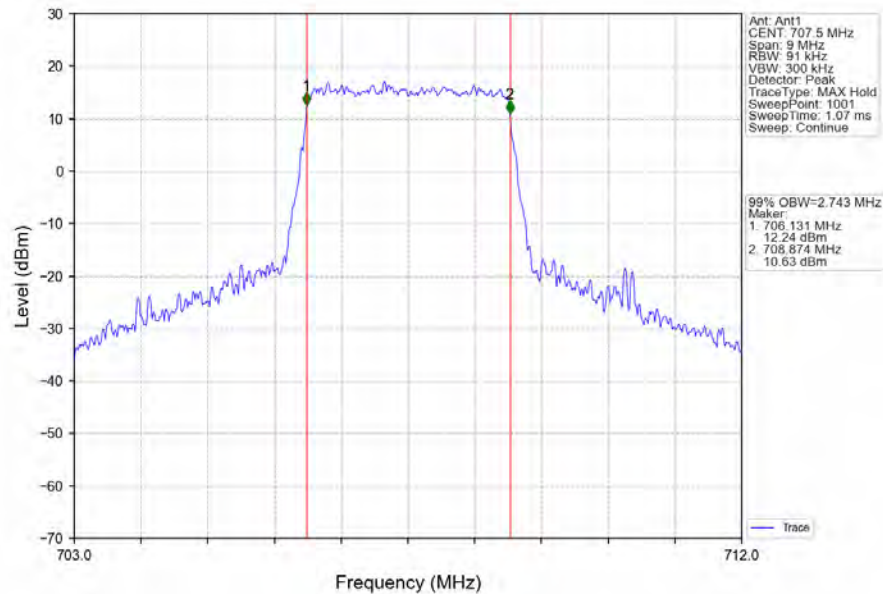


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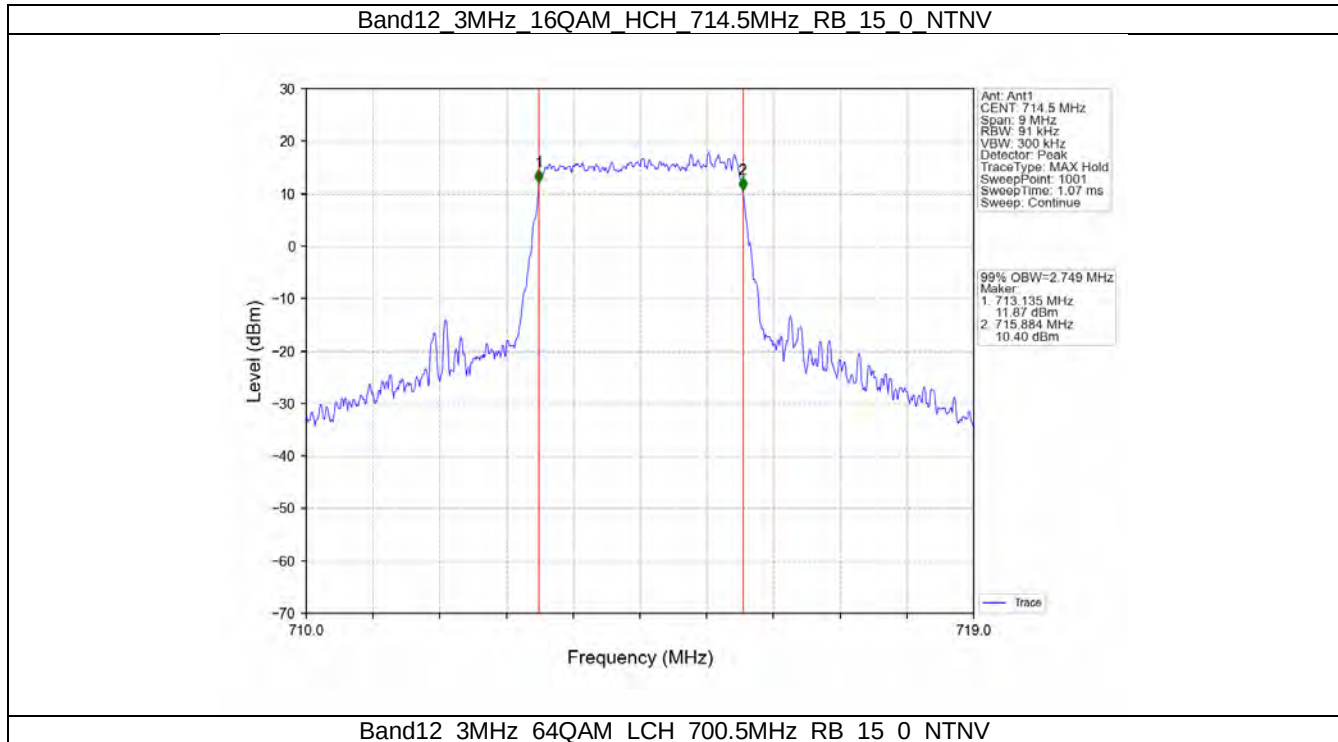


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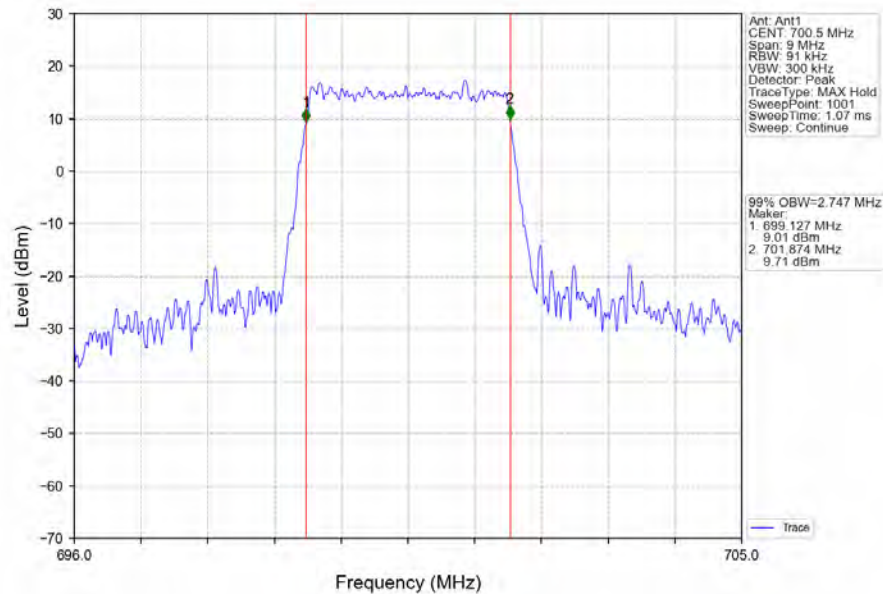


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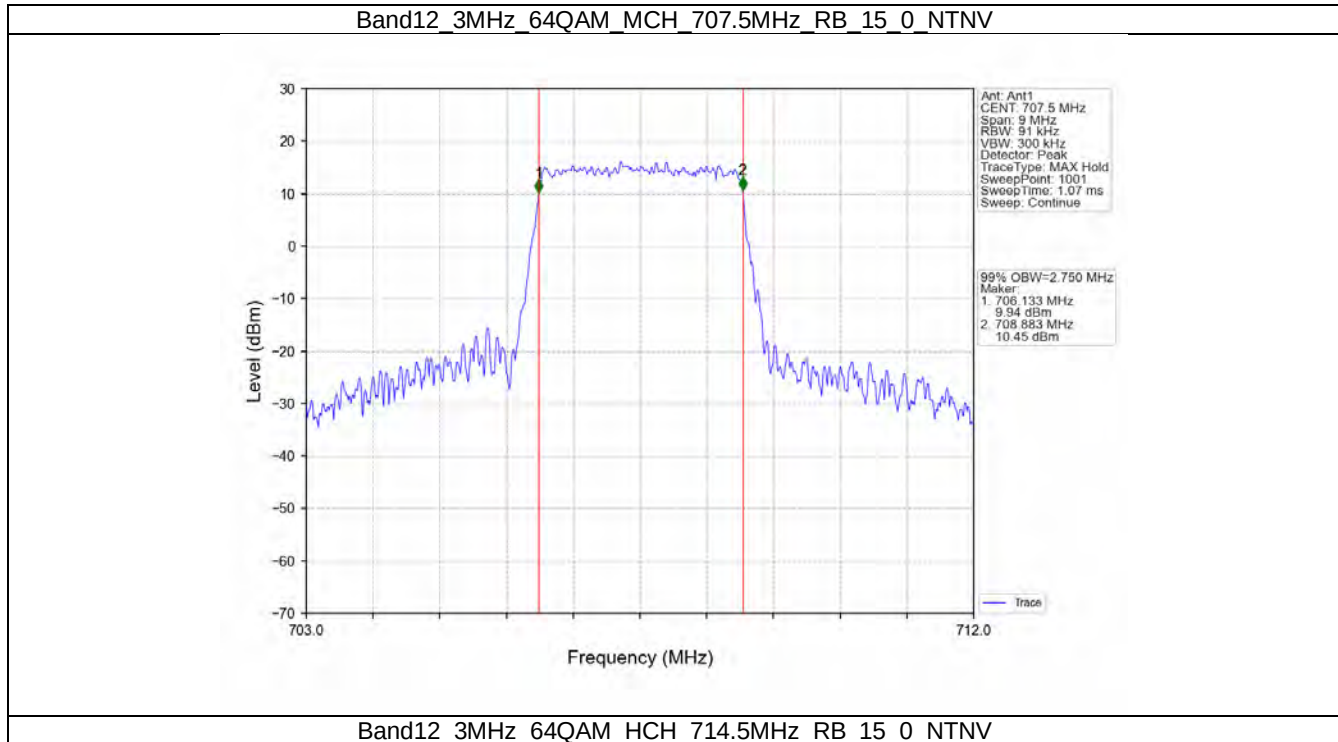


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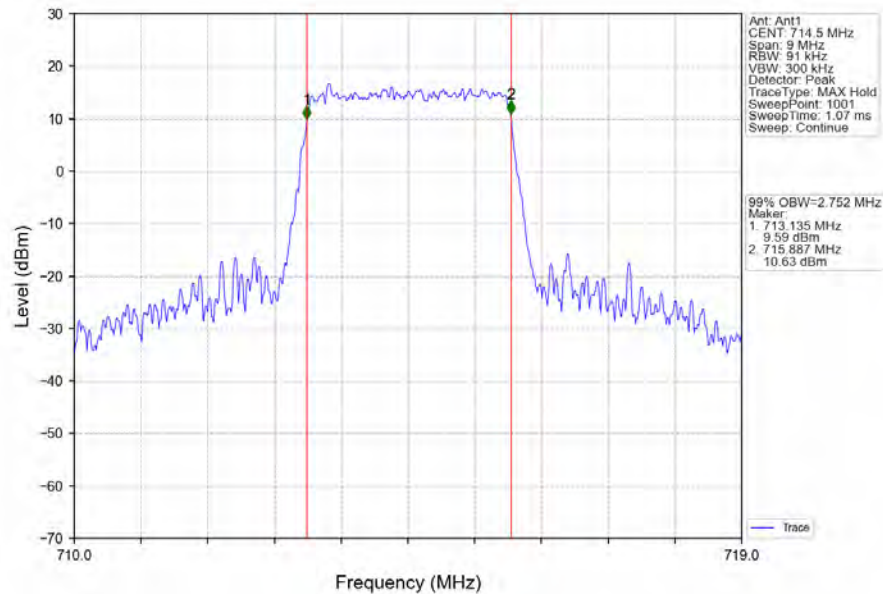


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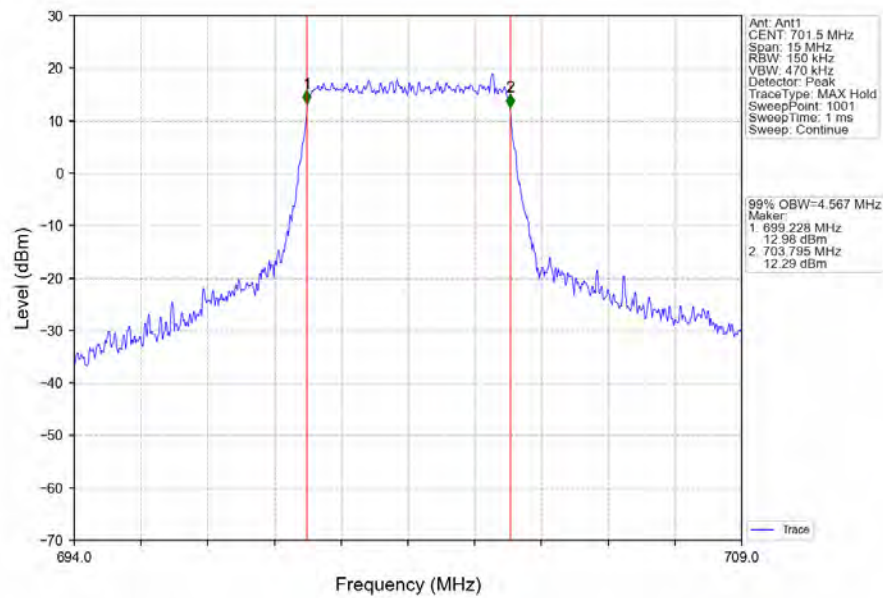
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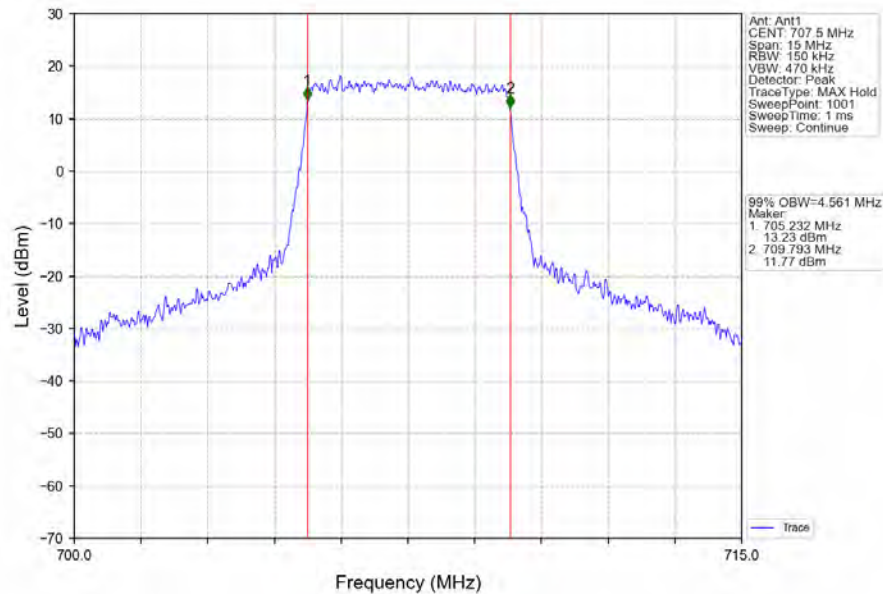


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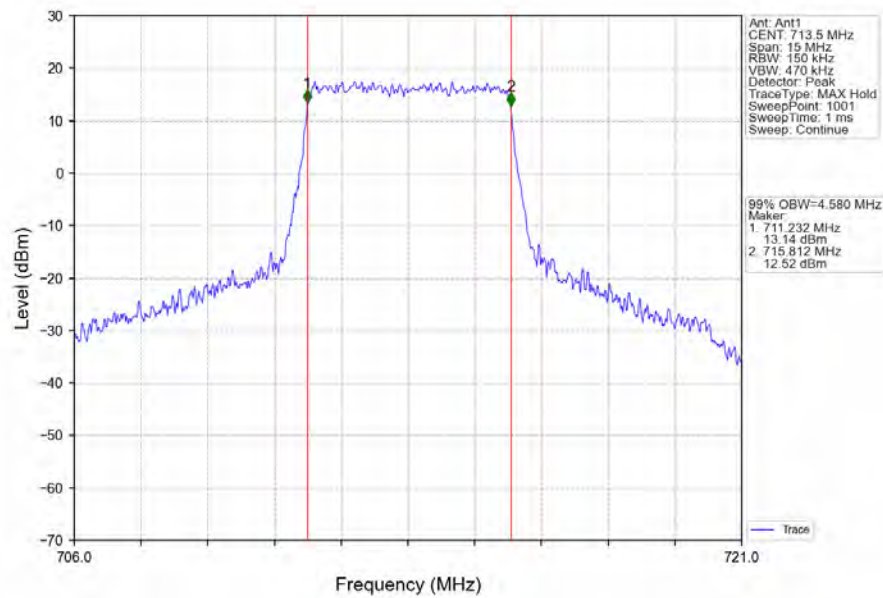
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Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



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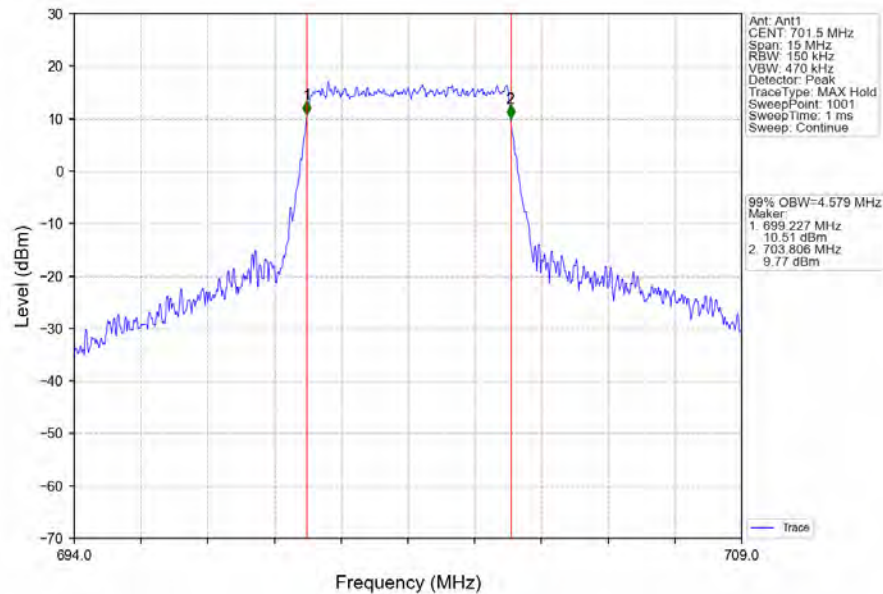


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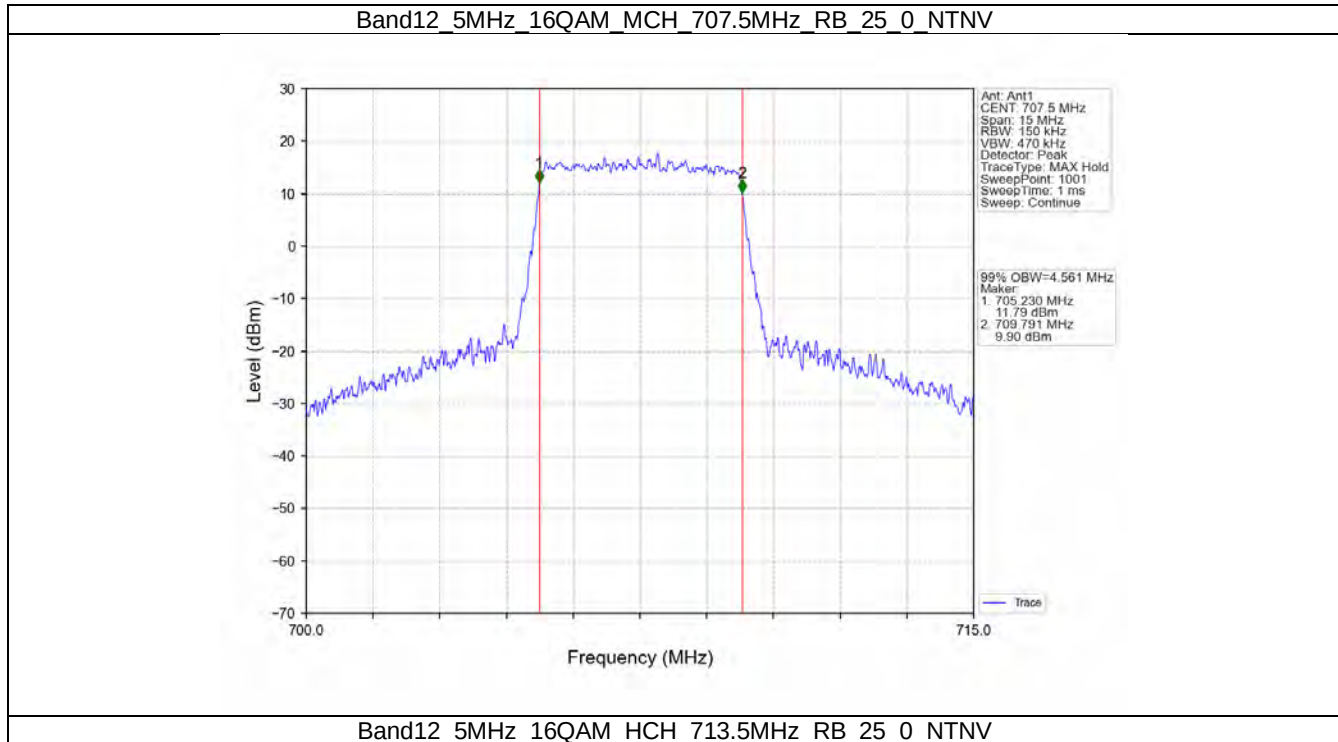


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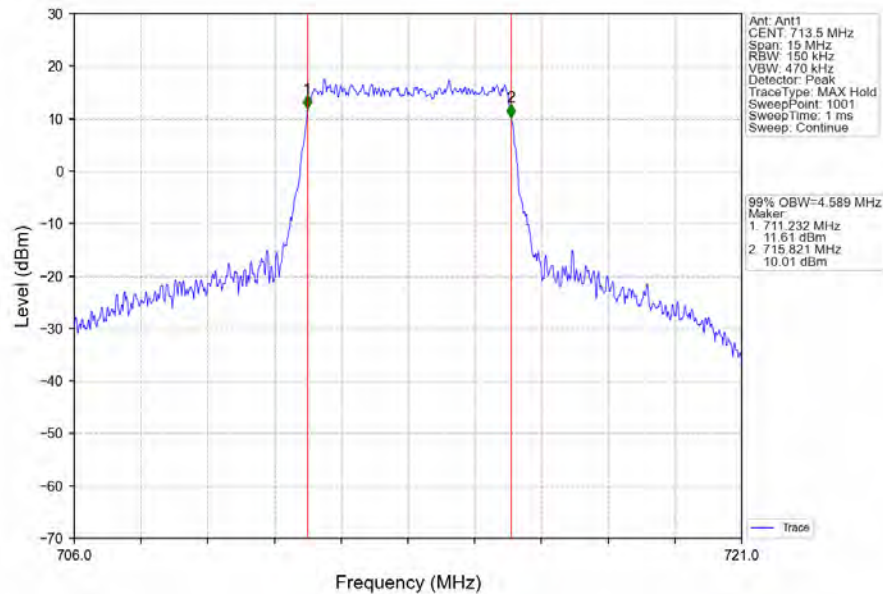


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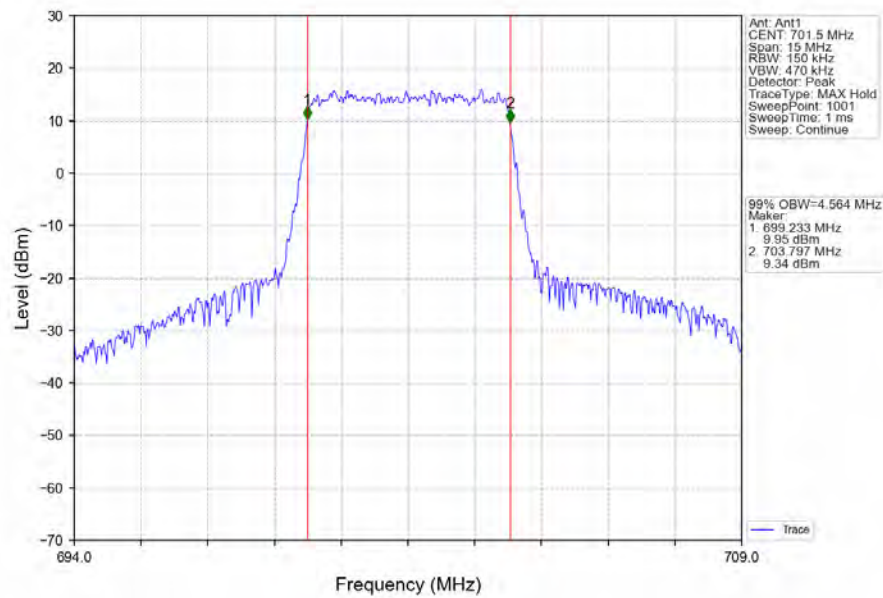
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Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



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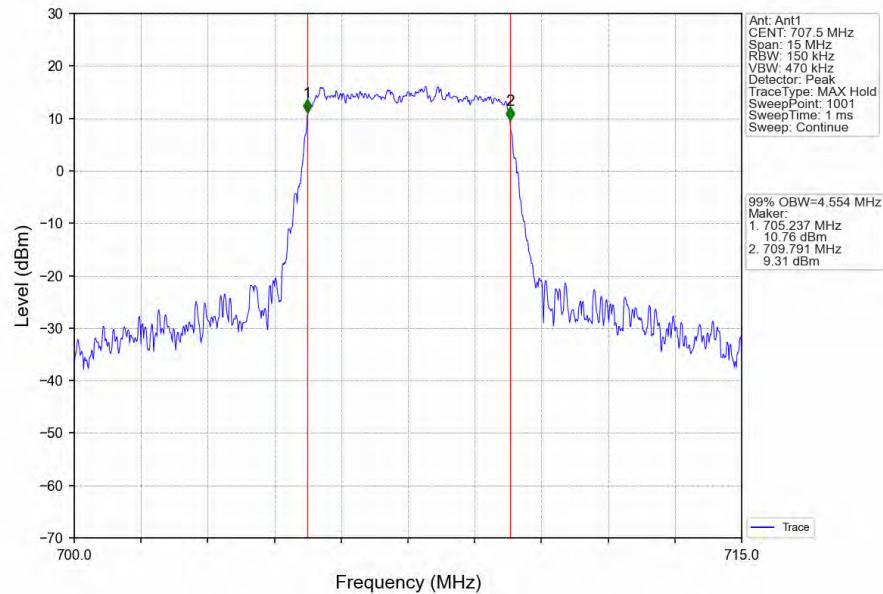


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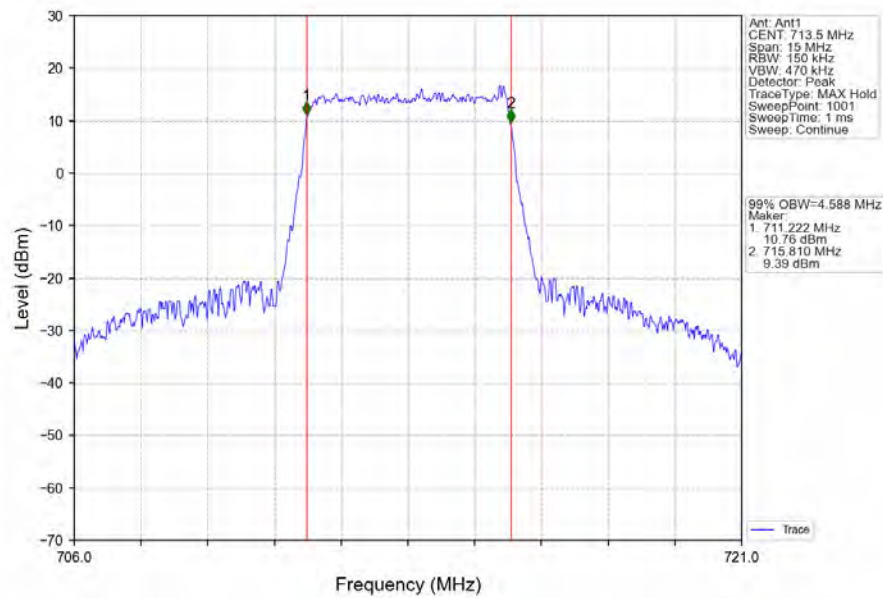
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Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



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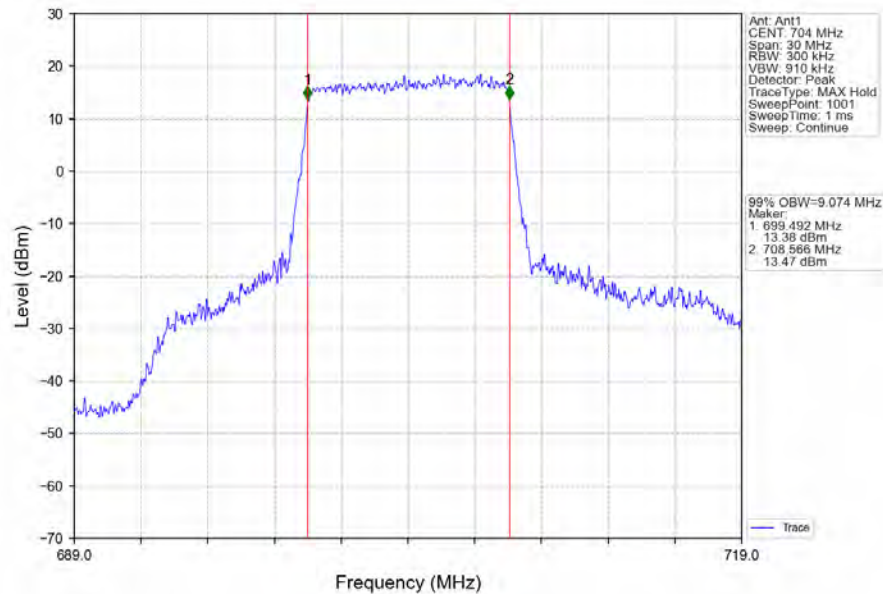


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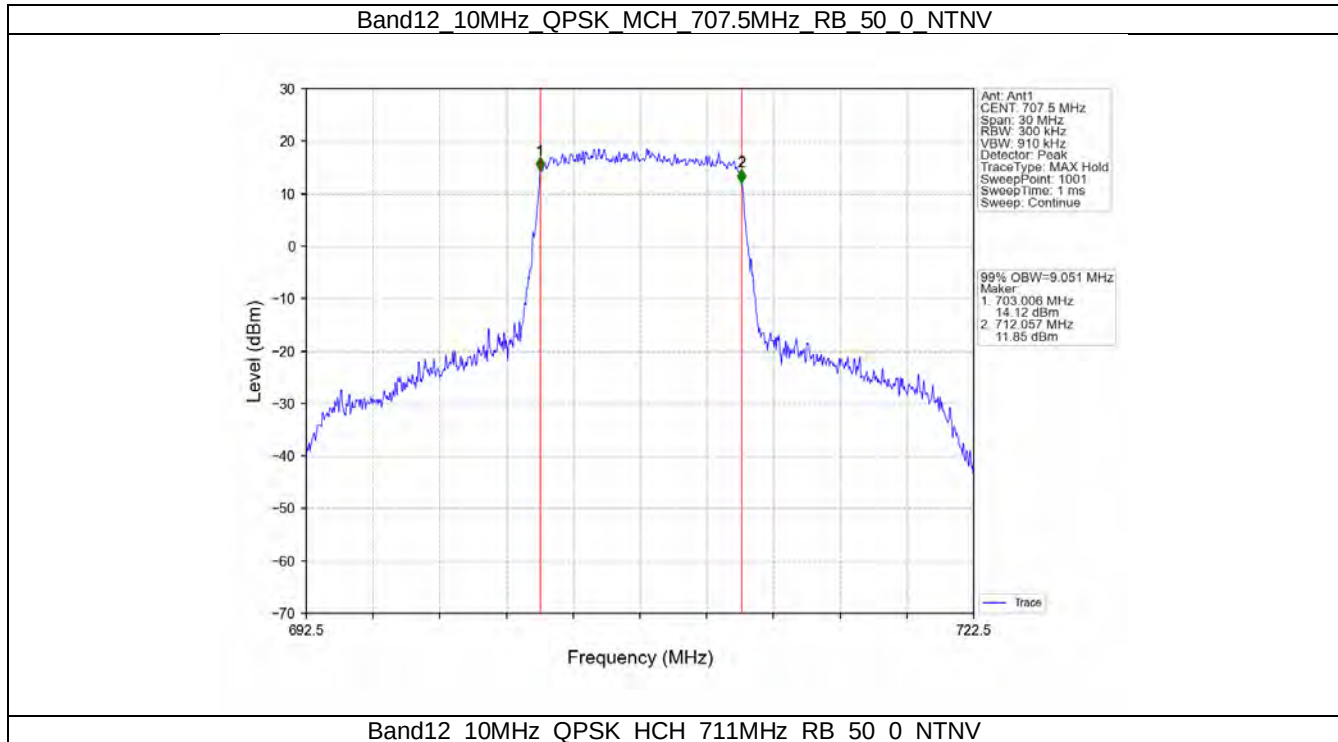


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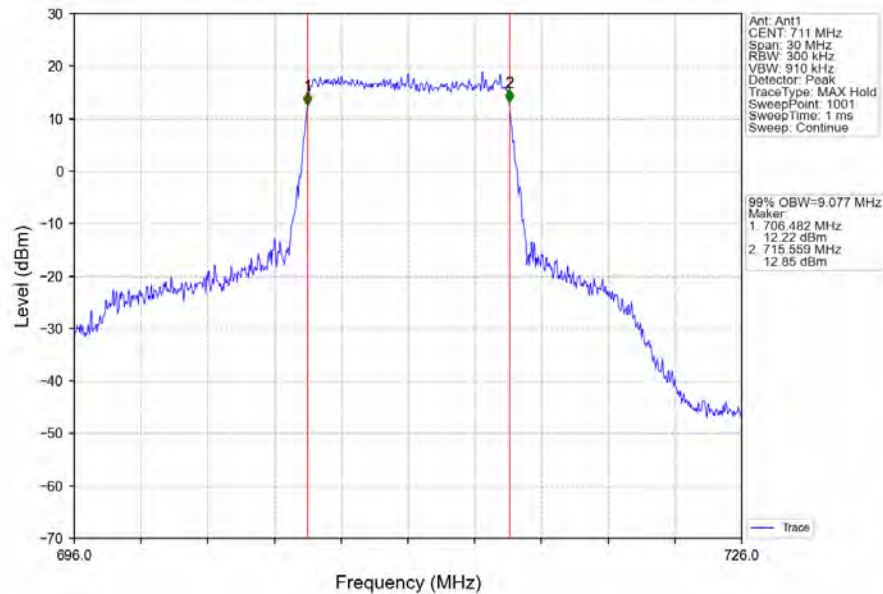


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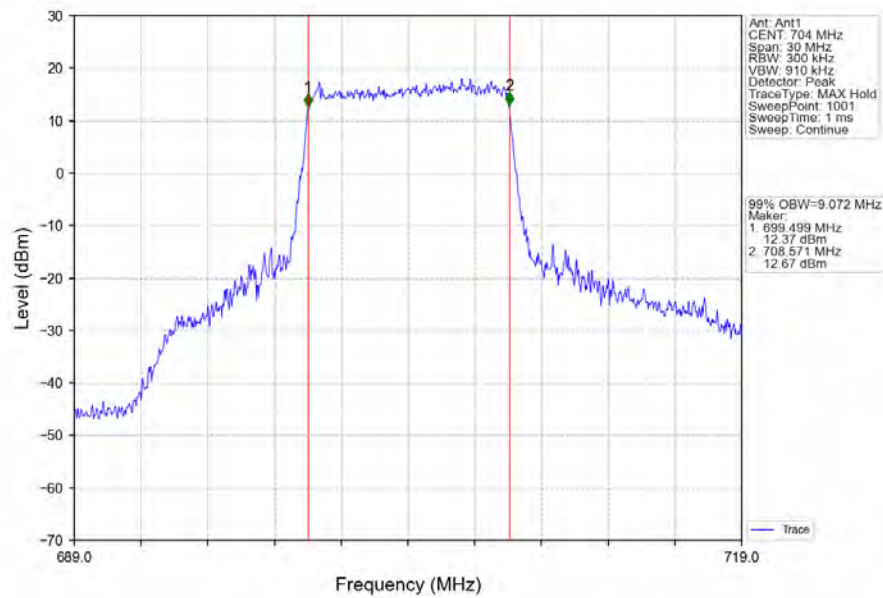
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Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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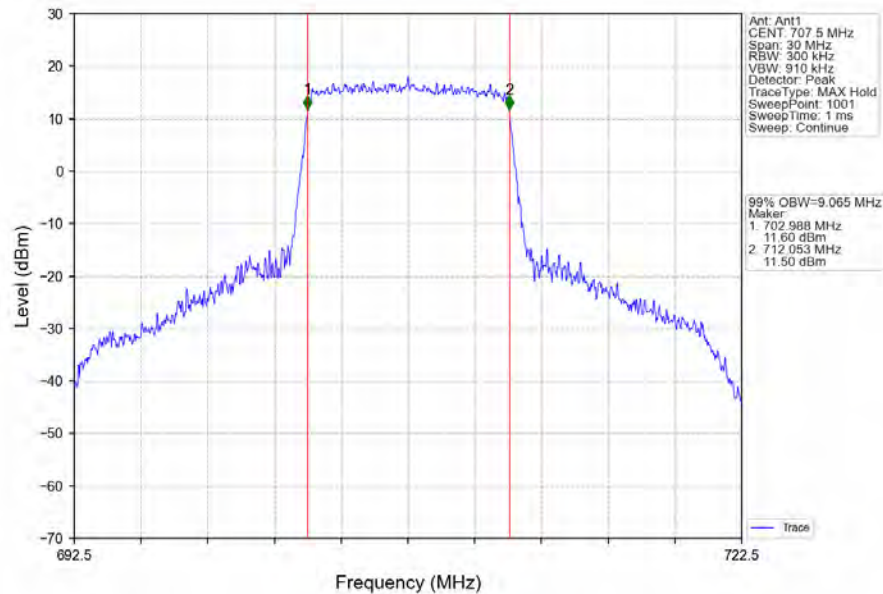


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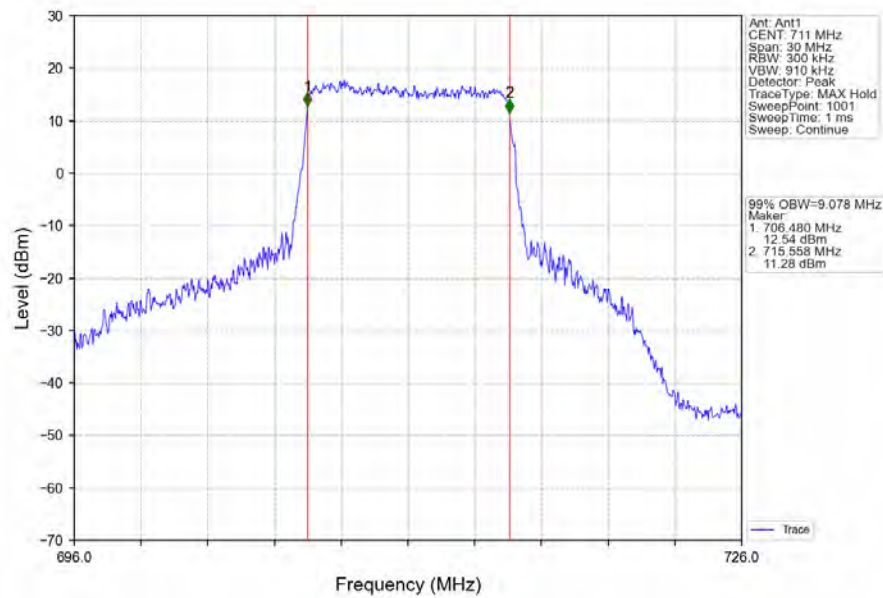
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Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



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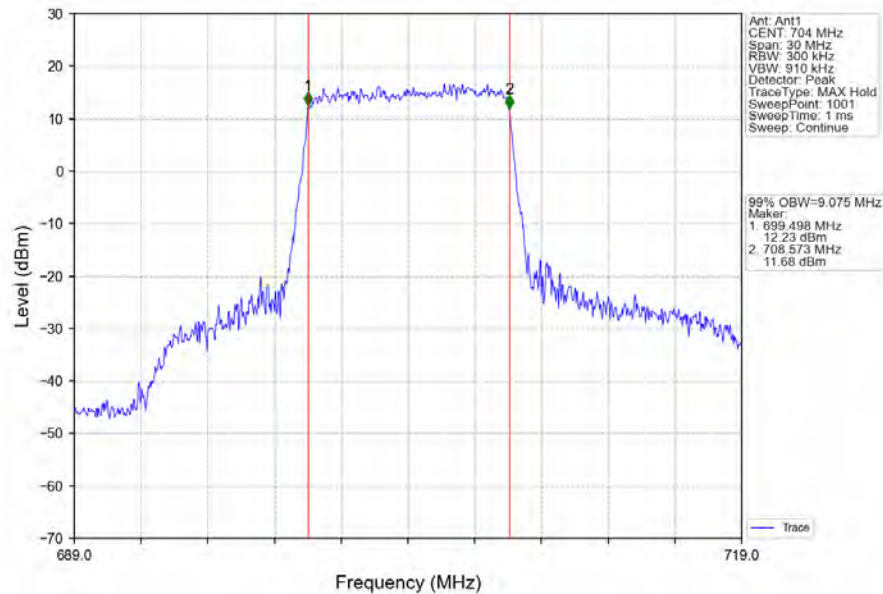


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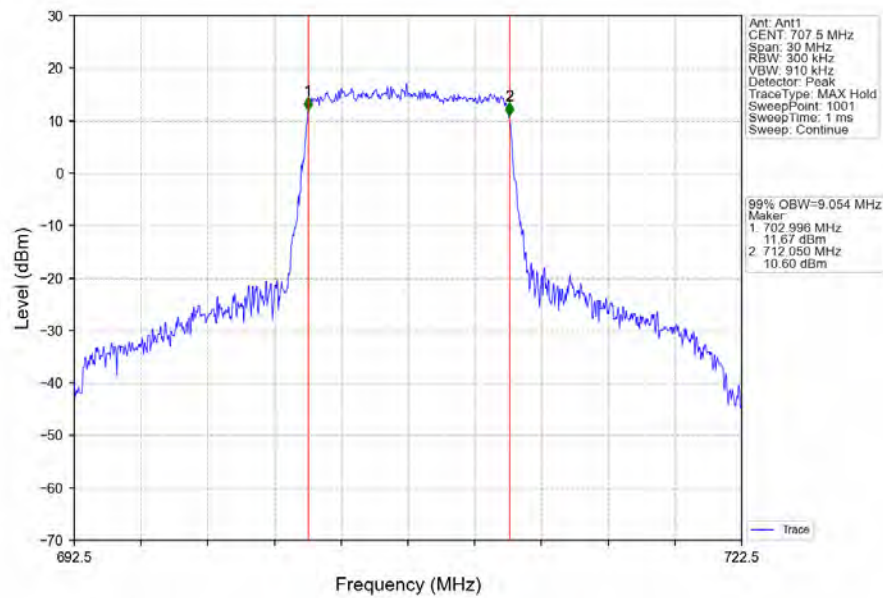
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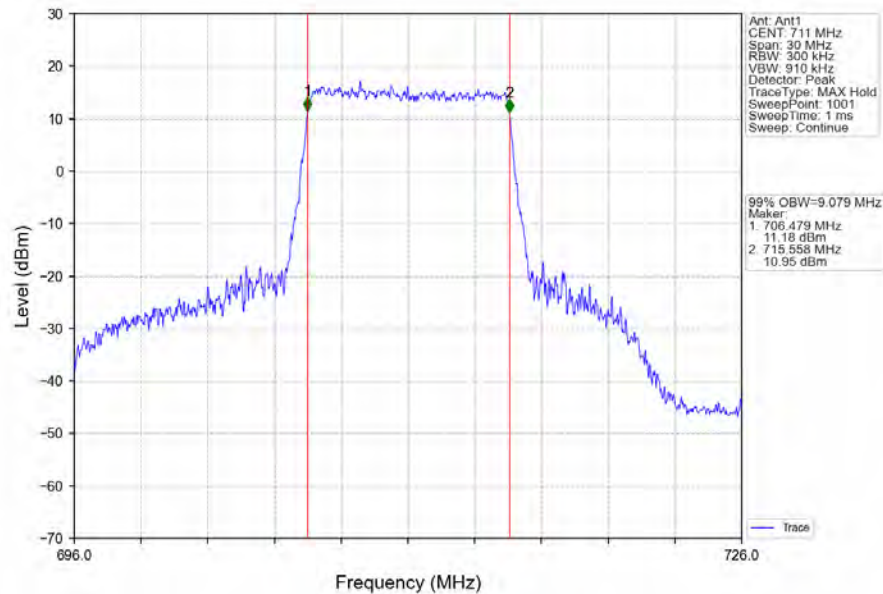


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3.2 Band12_XDB

3.2.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.395	/	Pass
		707.5	6	0	1.396	/	Pass
		715.3	6	0	1.429	/	Pass
	16QAM	699.7	6	0	1.410	/	Pass
		707.5	6	0	1.402	/	Pass
		715.3	6	0	1.439	/	Pass
	64QAM	699.7	6	0	1.406	/	Pass
		707.5	6	0	1.406	/	Pass
		715.3	6	0	1.389	/	Pass
3	QPSK	700.5	15	0	3.164	/	Pass
		707.5	15	0	3.150	/	Pass
		714.5	15	0	3.114	/	Pass
	16QAM	700.5	15	0	3.177	/	Pass
		707.5	15	0	3.146	/	Pass
		714.5	15	0	3.135	/	Pass
	64QAM	700.5	15	0	3.084	/	Pass
		707.5	15	0	3.152	/	Pass
		714.5	15	0	3.121	/	Pass
5	QPSK	701.5	25	0	5.203	/	Pass
		707.5	25	0	5.203	/	Pass
		713.5	25	0	5.269	/	Pass
	16QAM	701.5	25	0	5.340	/	Pass
		707.5	25	0	5.139	/	Pass
		713.5	25	0	5.270	/	Pass
	64QAM	701.5	25	0	5.245	/	Pass
		707.5	25	0	5.218	/	Pass
		713.5	25	0	5.193	/	Pass
10	QPSK	704	50	0	10.190	/	Pass
		707.5	50	0	10.144	/	Pass
		711	50	0	10.180	/	Pass
	16QAM	704	50	0	10.117	/	Pass
		707.5	50	0	10.133	/	Pass
		711	50	0	10.181	/	Pass
	64QAM	704	50	0	10.208	/	Pass
		707.5	50	0	9.996	/	Pass
		711	50	0	10.199	/	Pass



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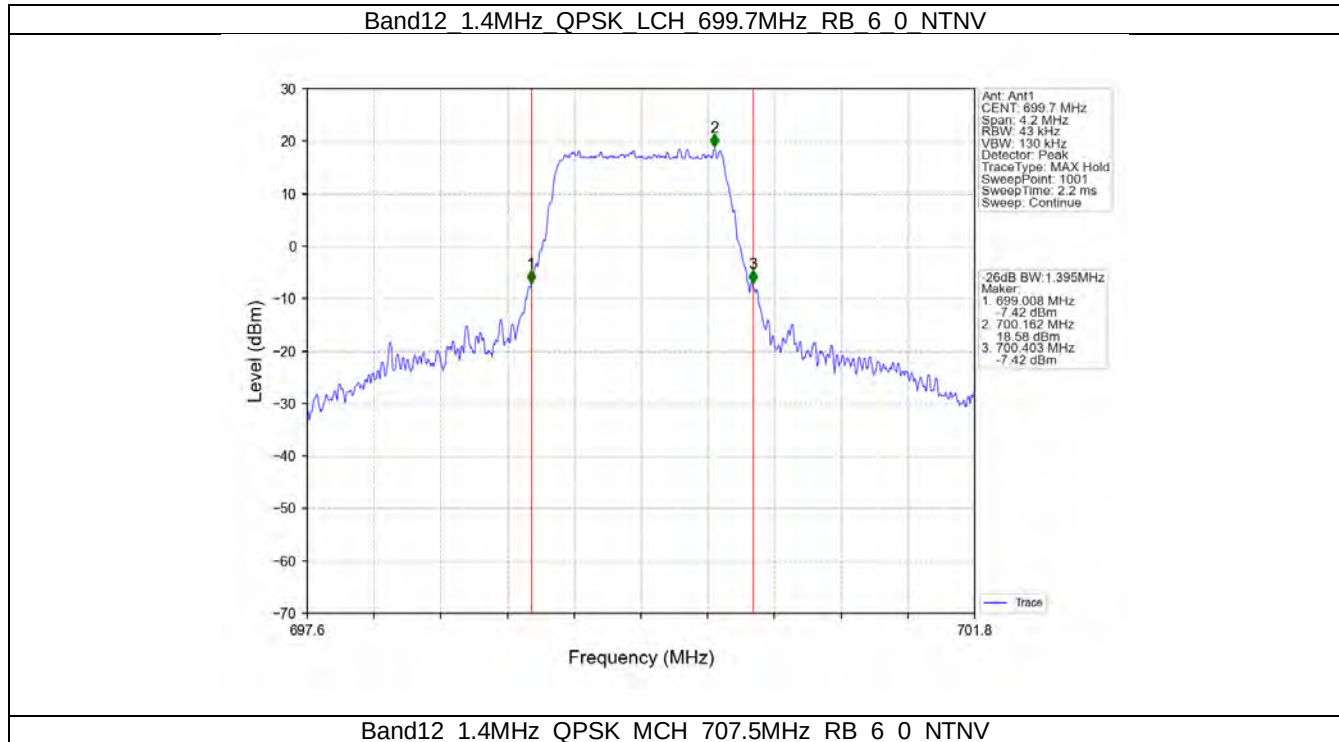
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3.2.2 Test Graph



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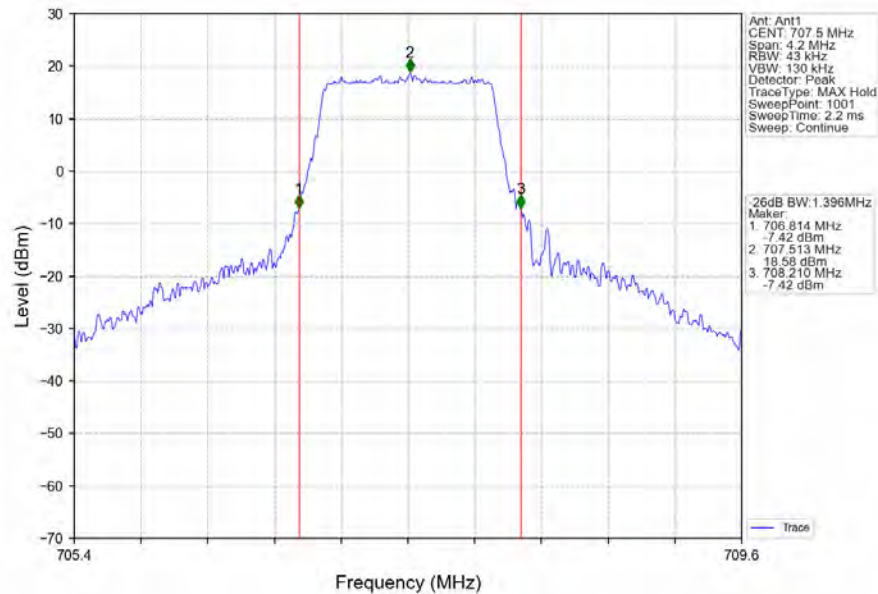


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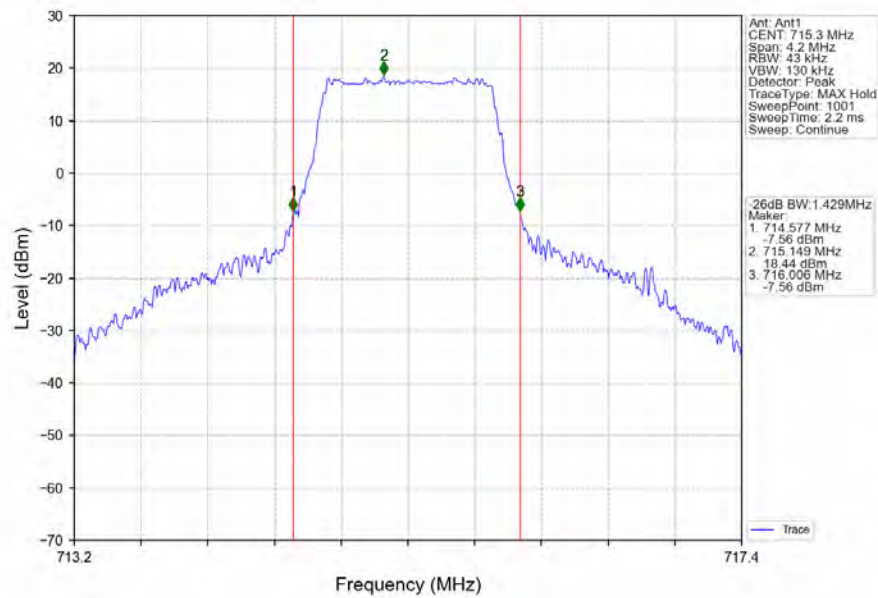
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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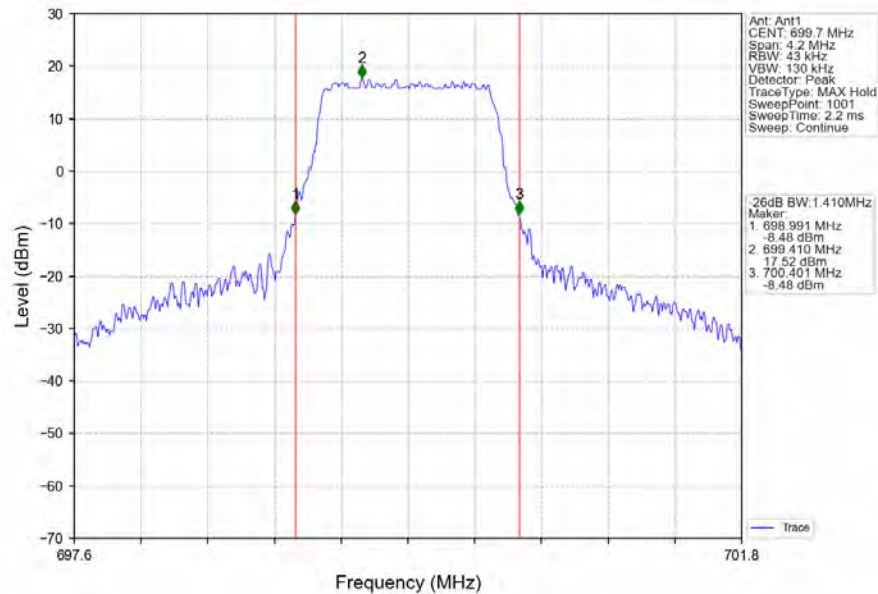


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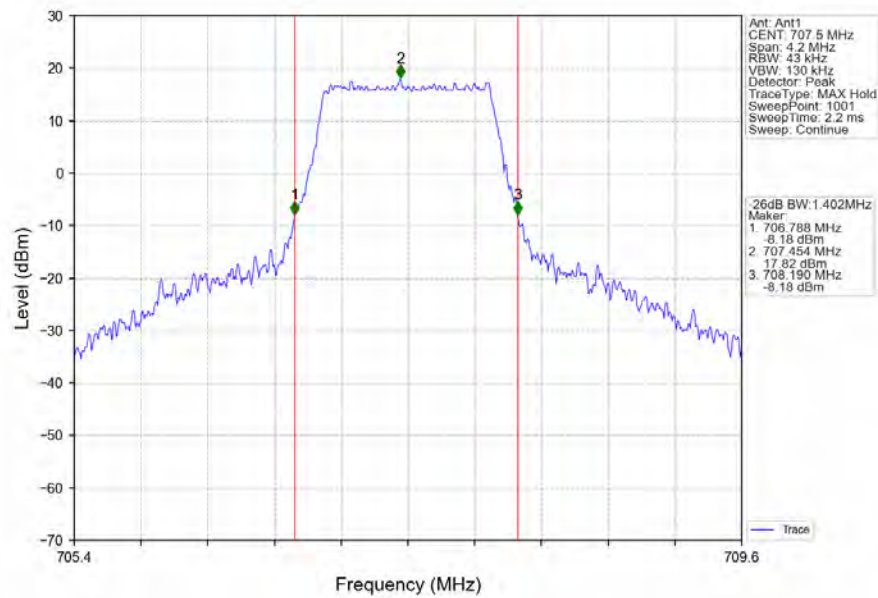
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Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



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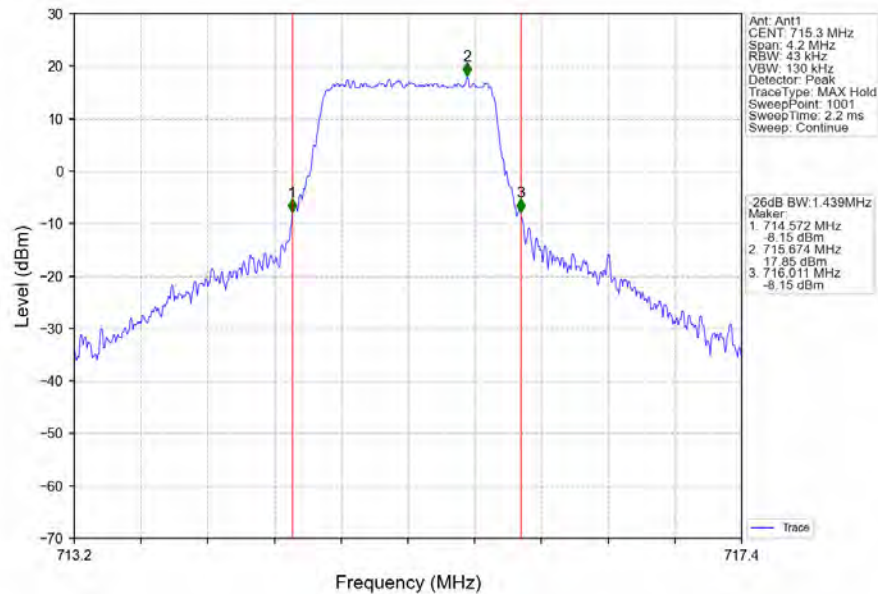


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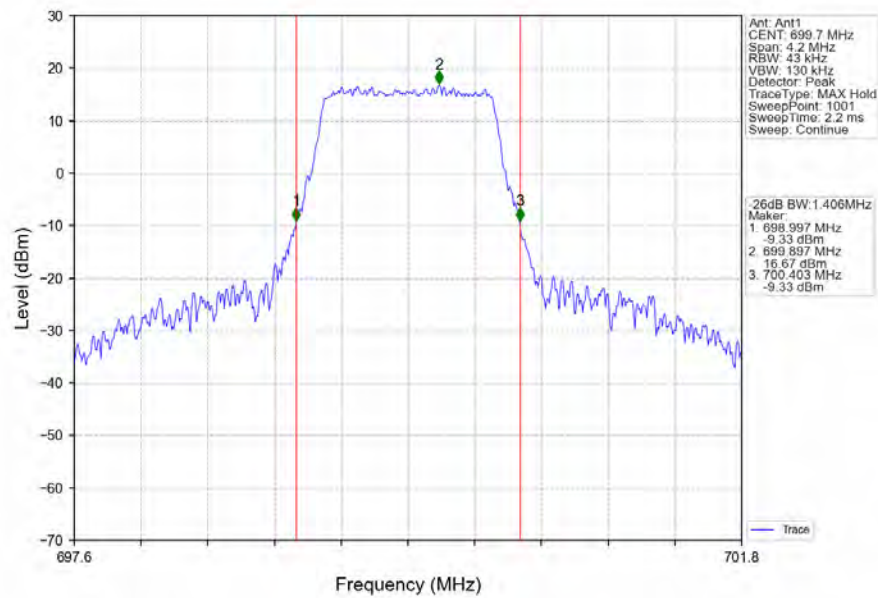
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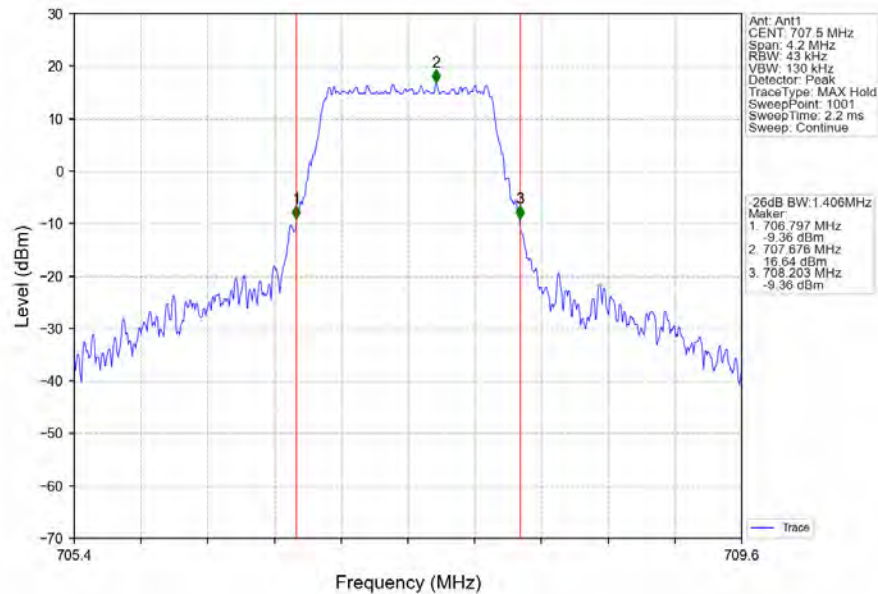


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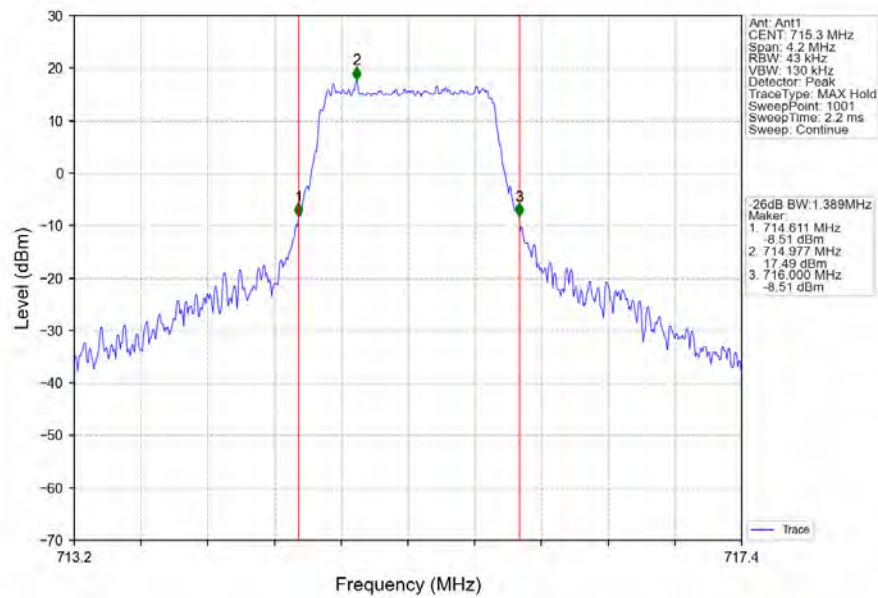
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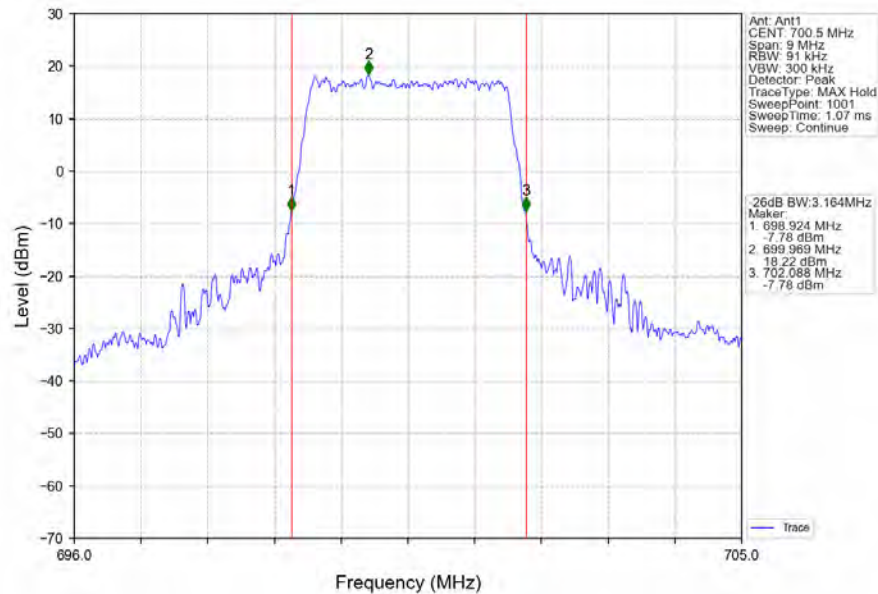


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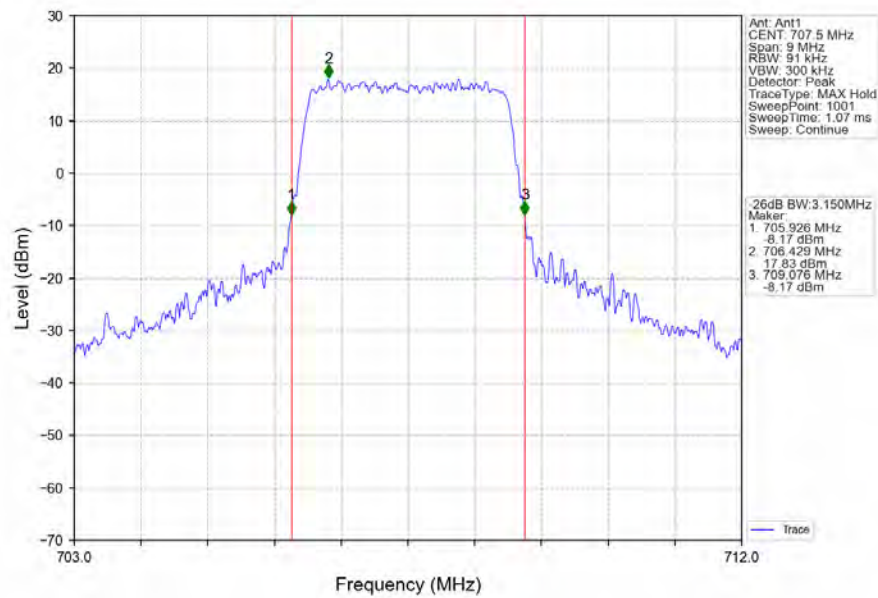
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Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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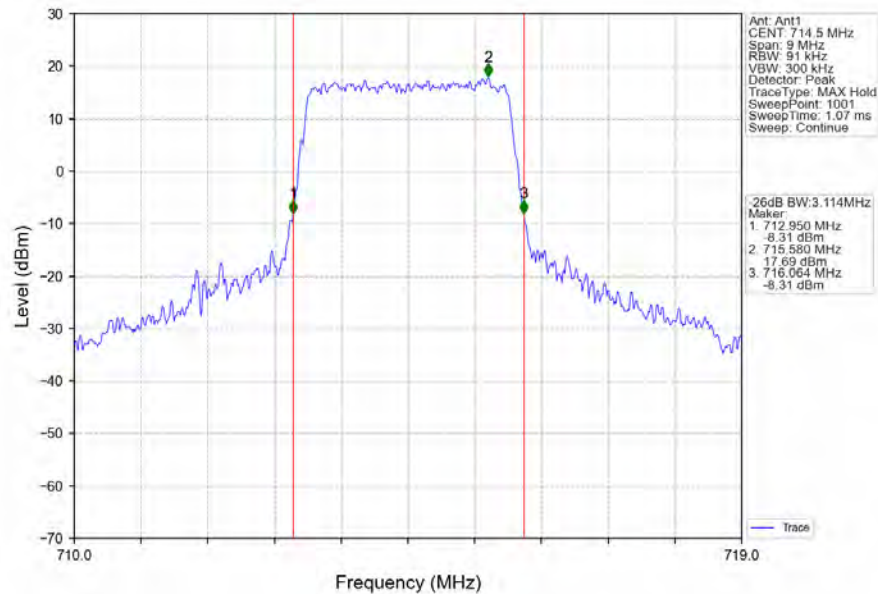


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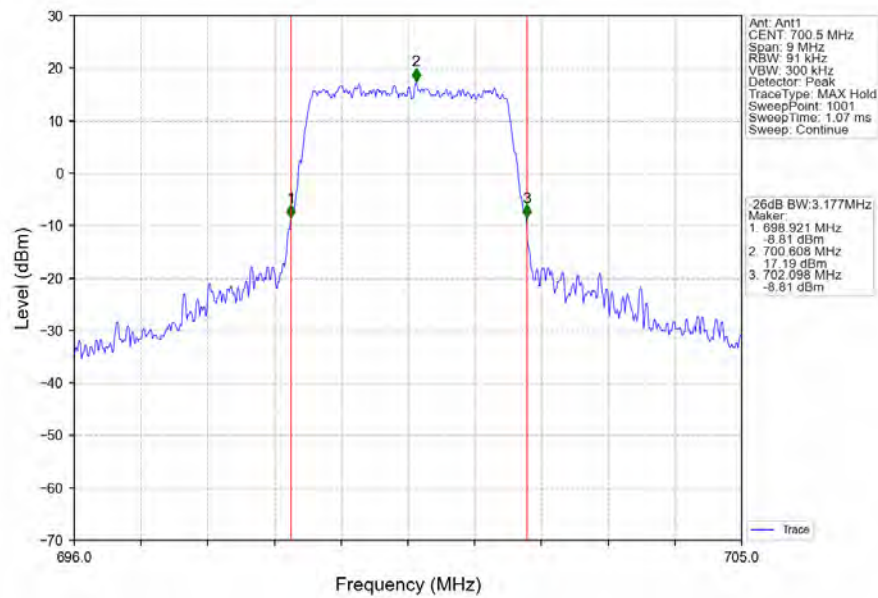
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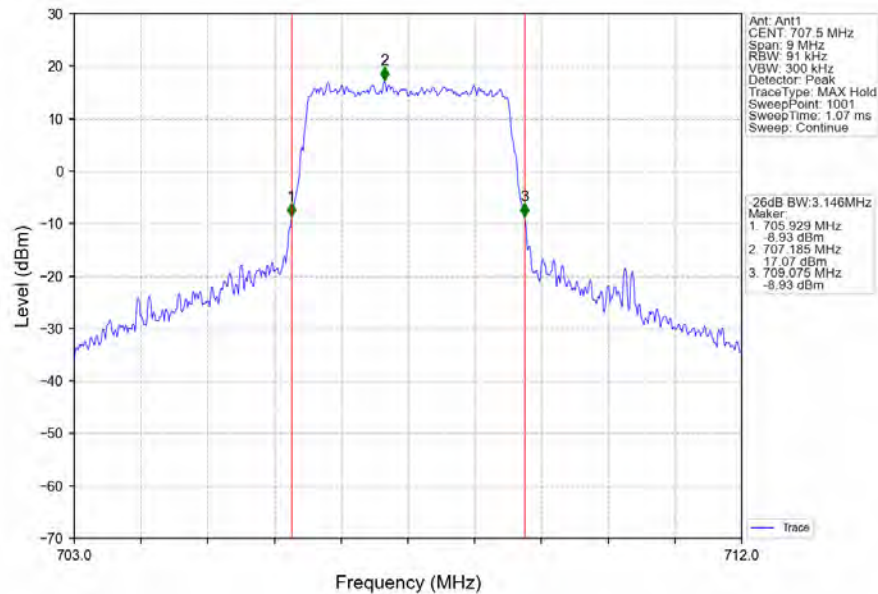


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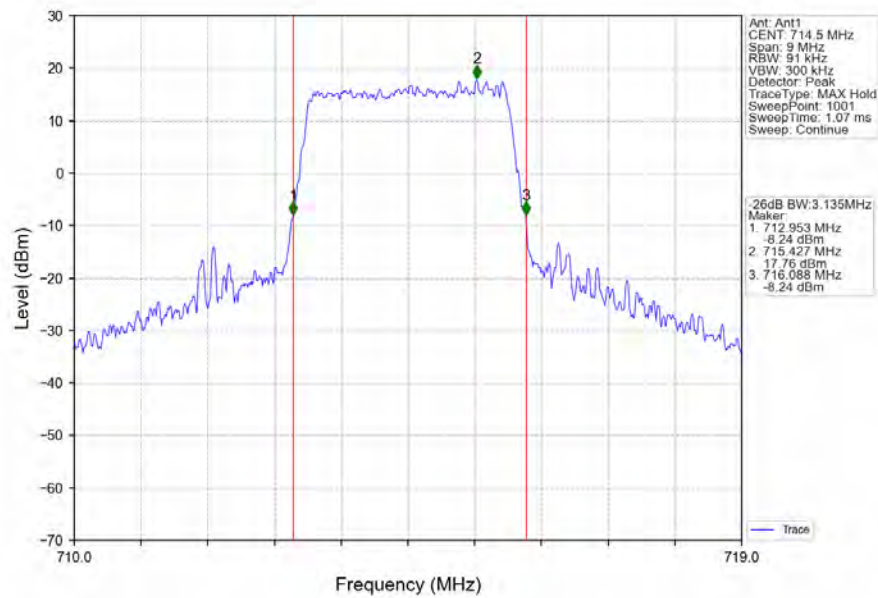
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Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



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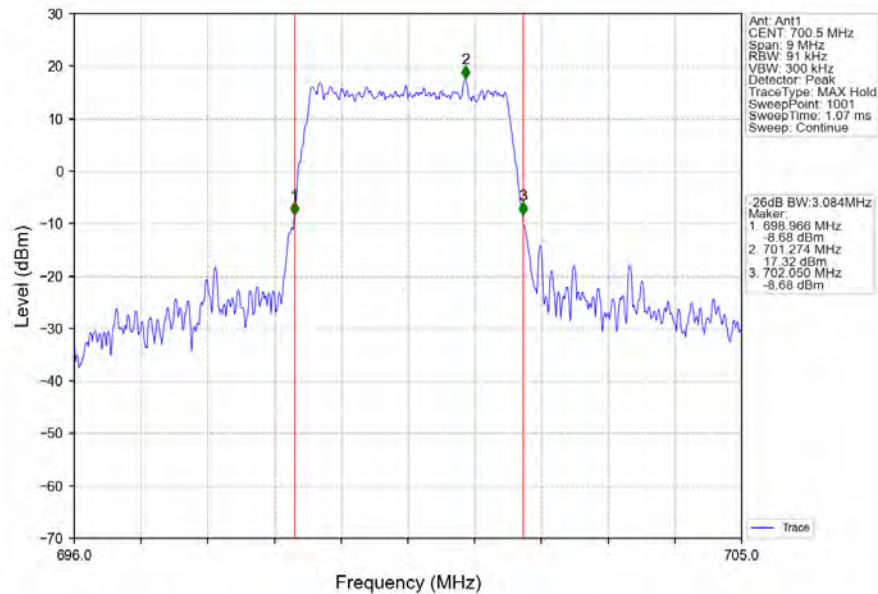


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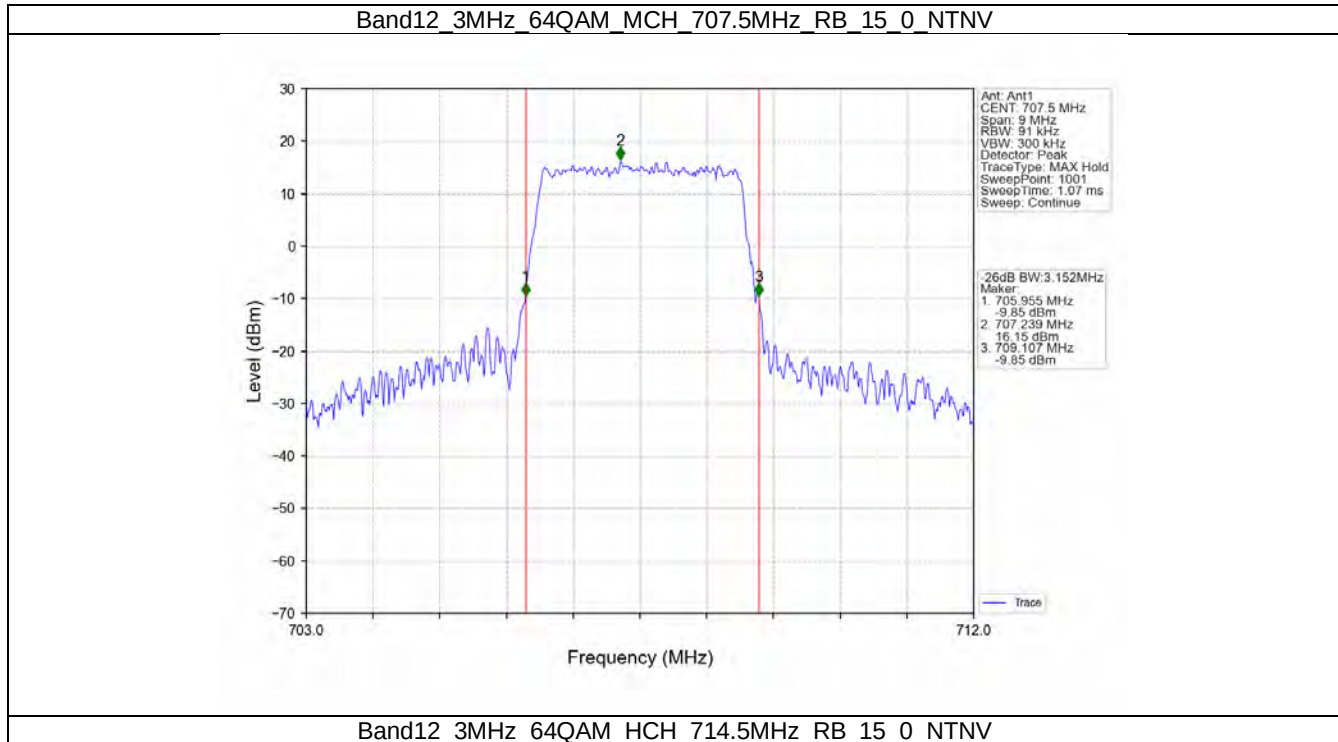


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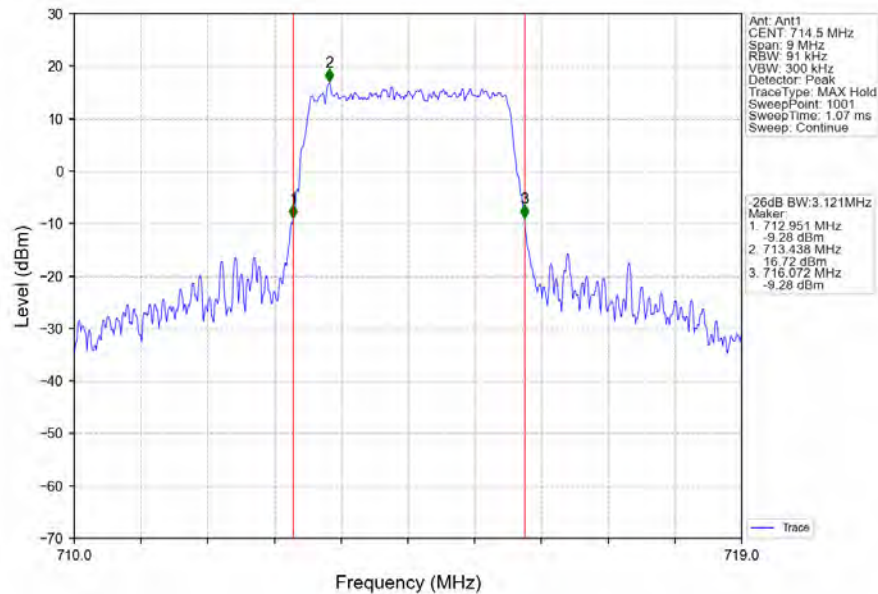


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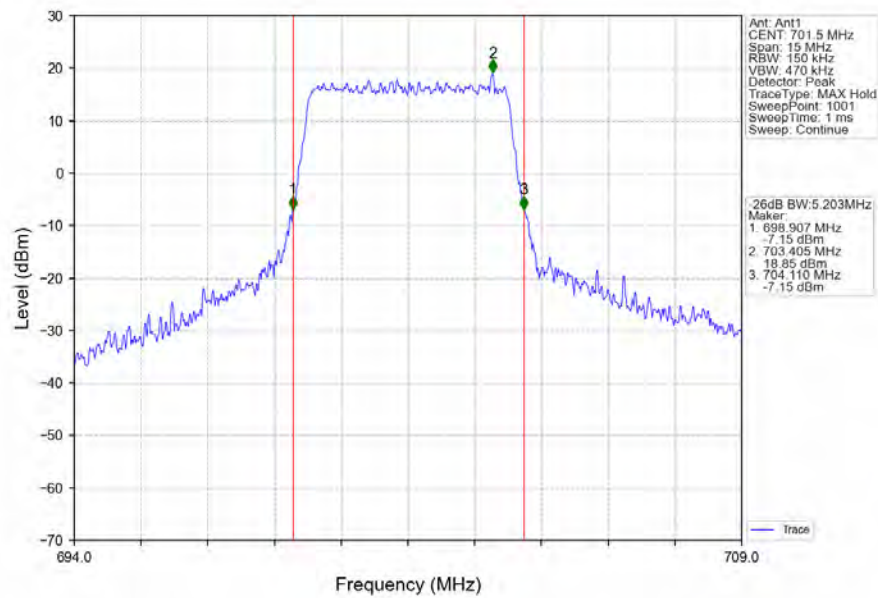
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Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



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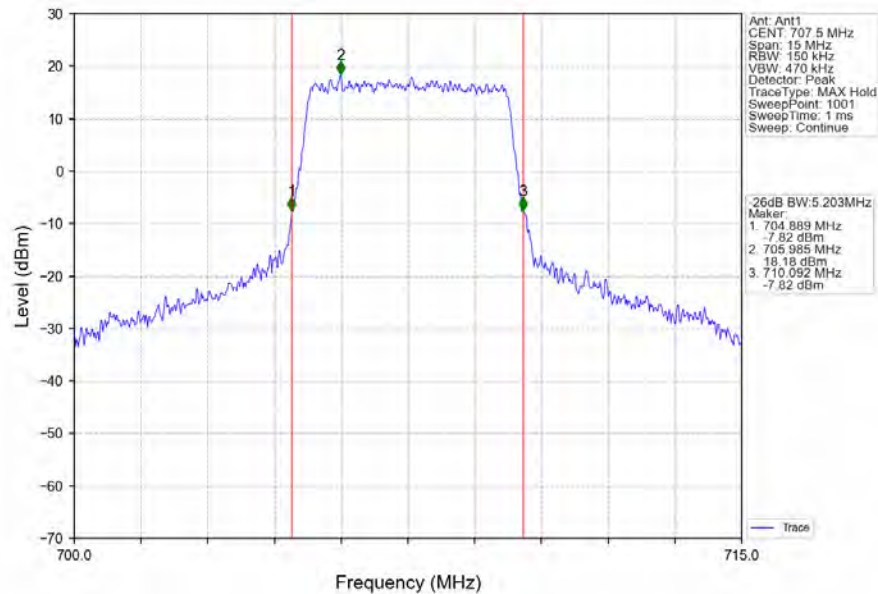


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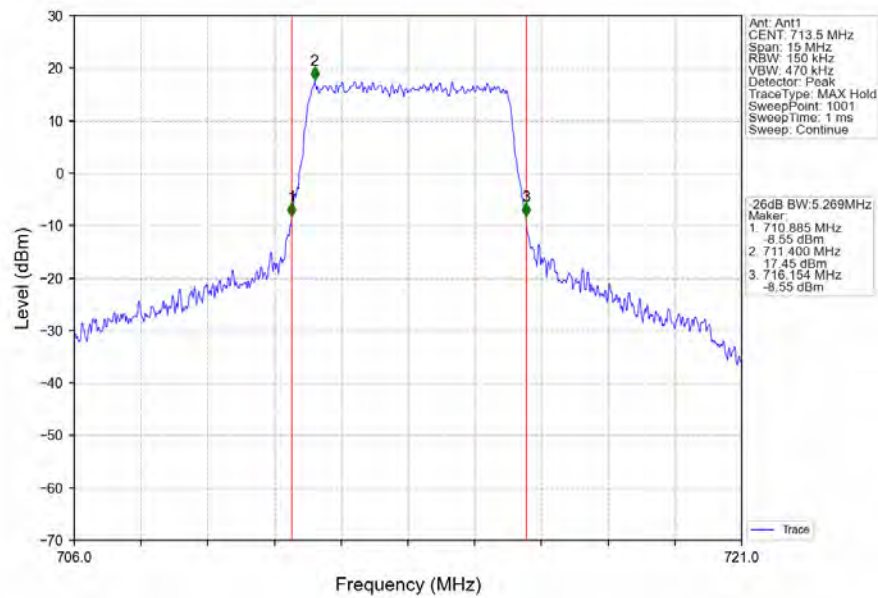
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Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



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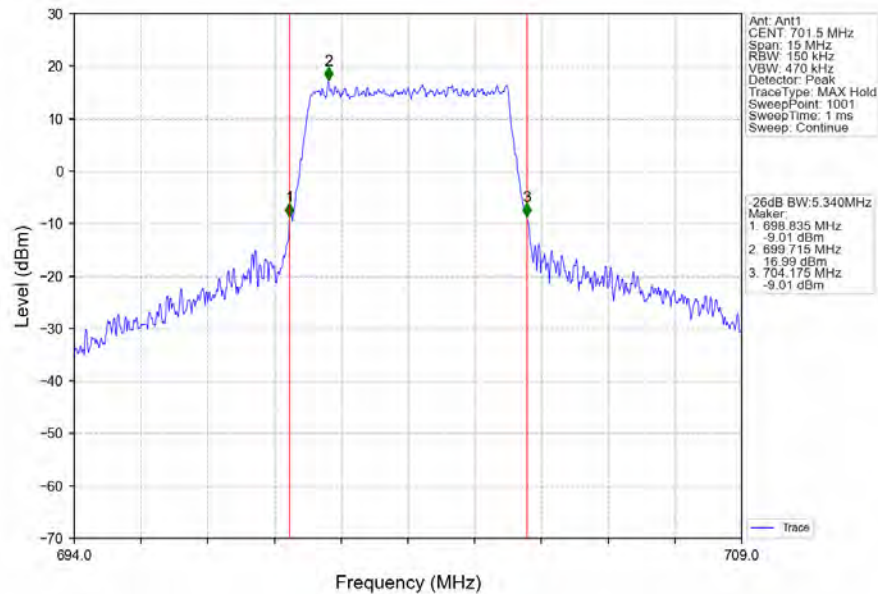


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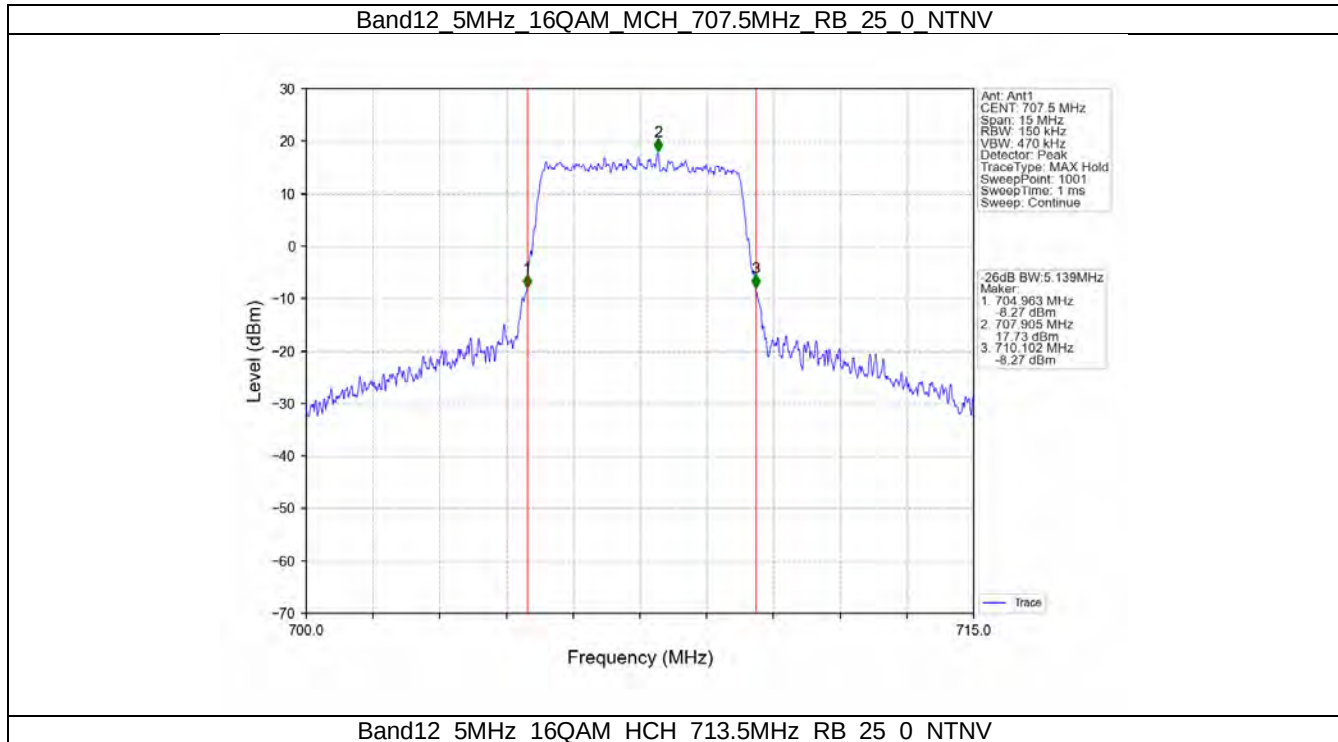


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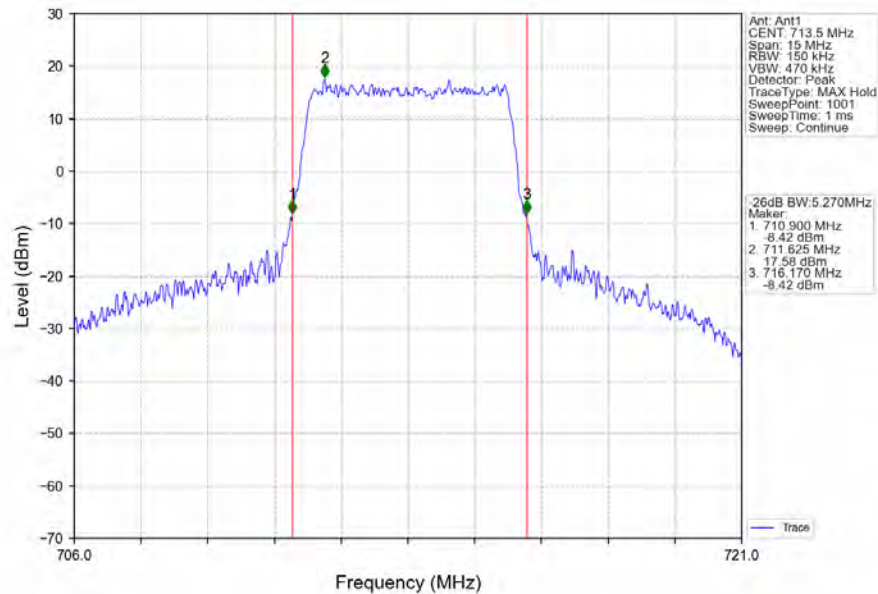


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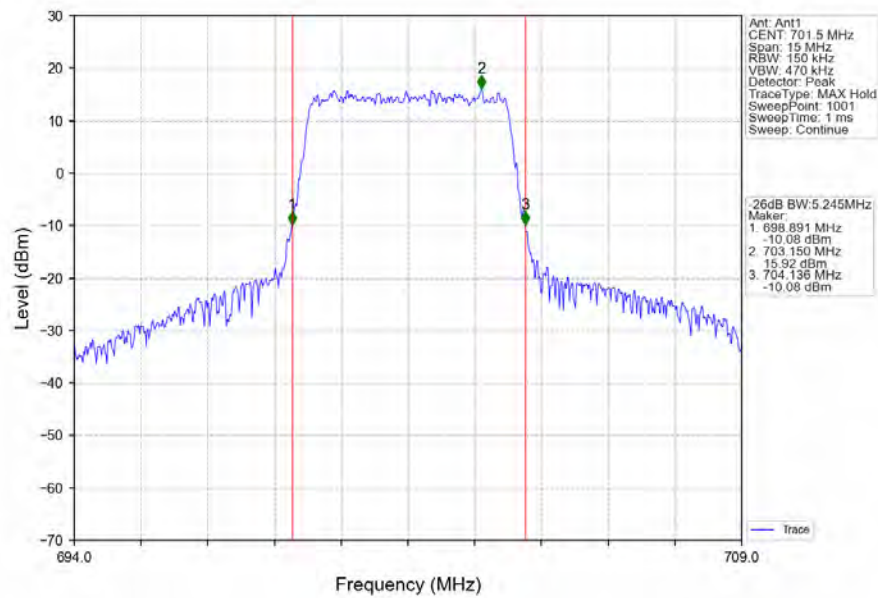
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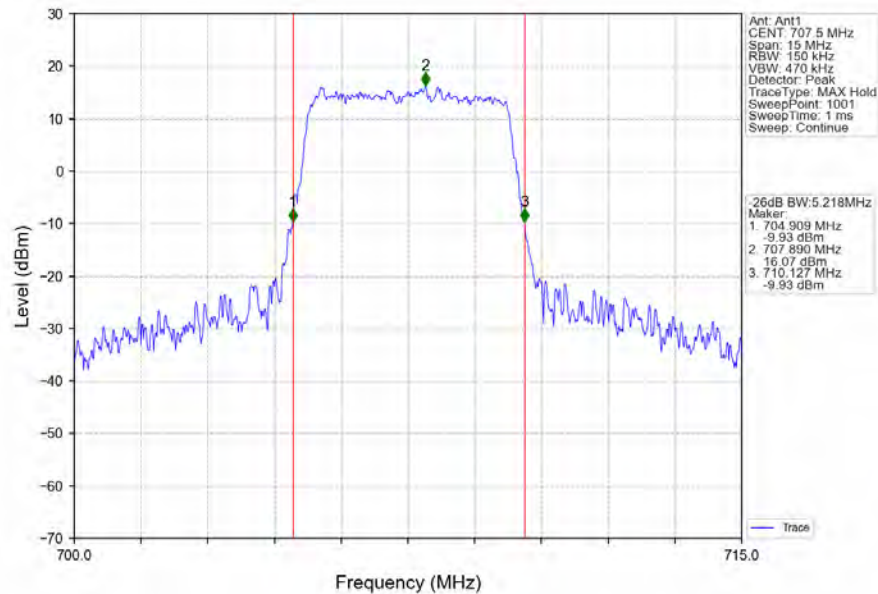


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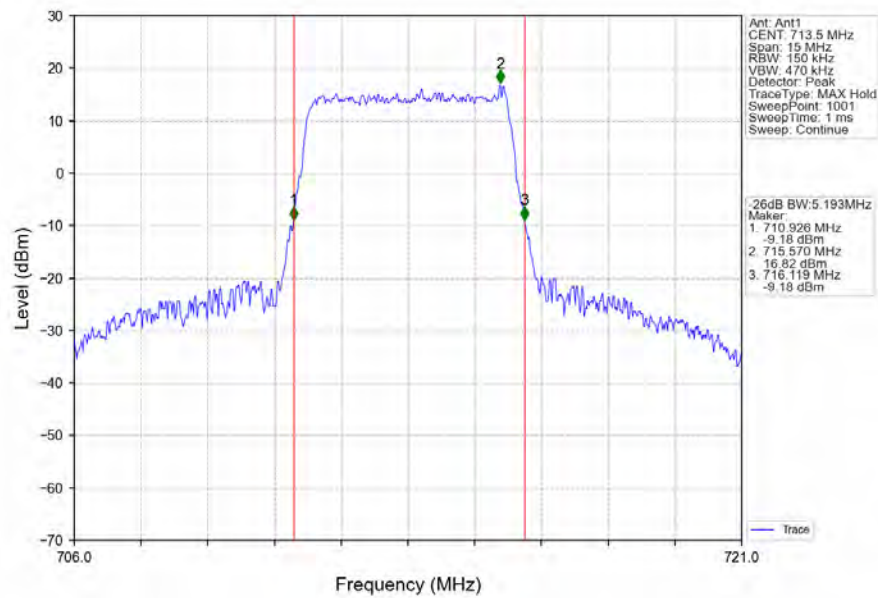
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Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



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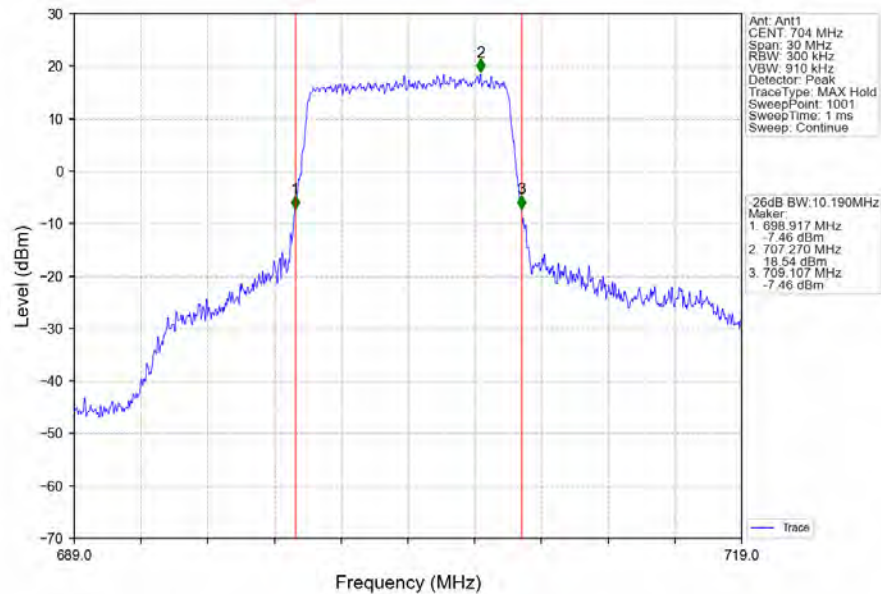


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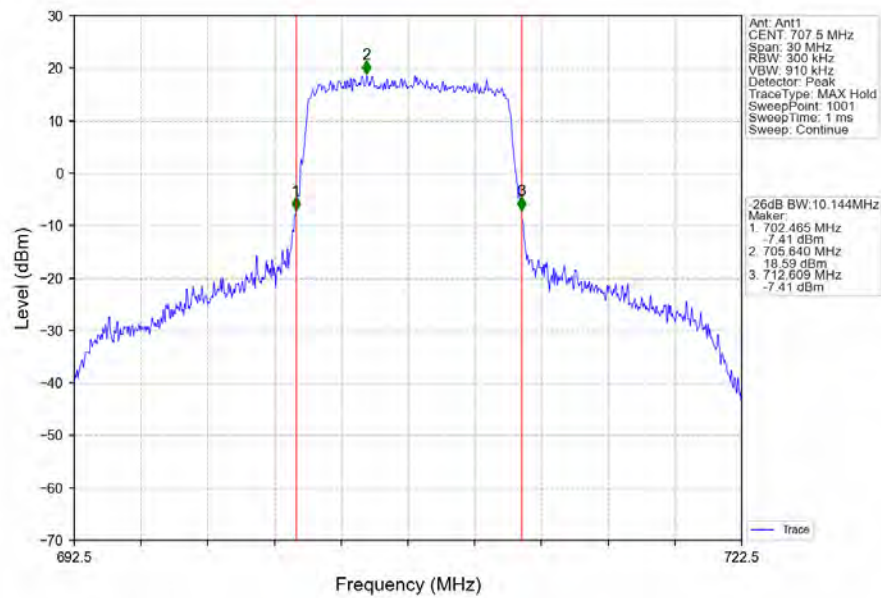
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Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



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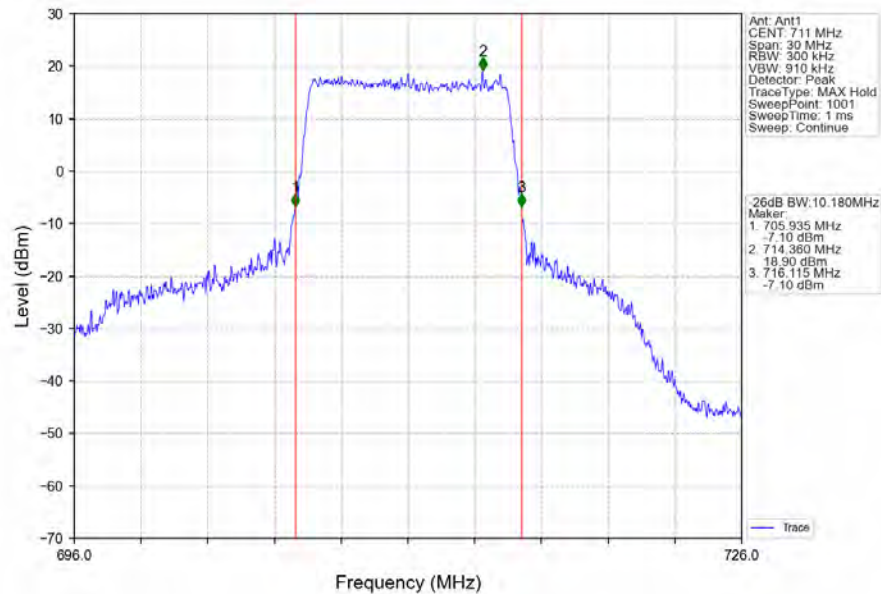


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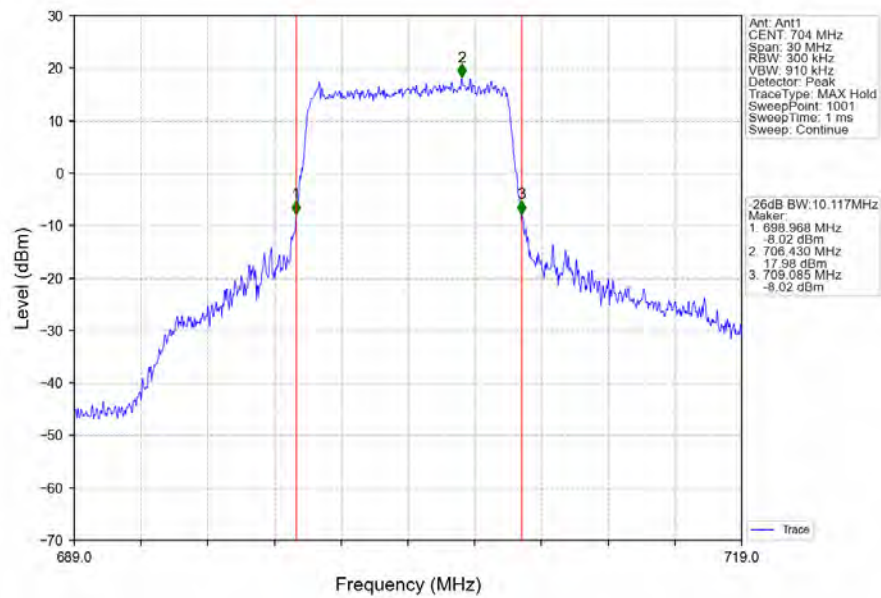
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Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



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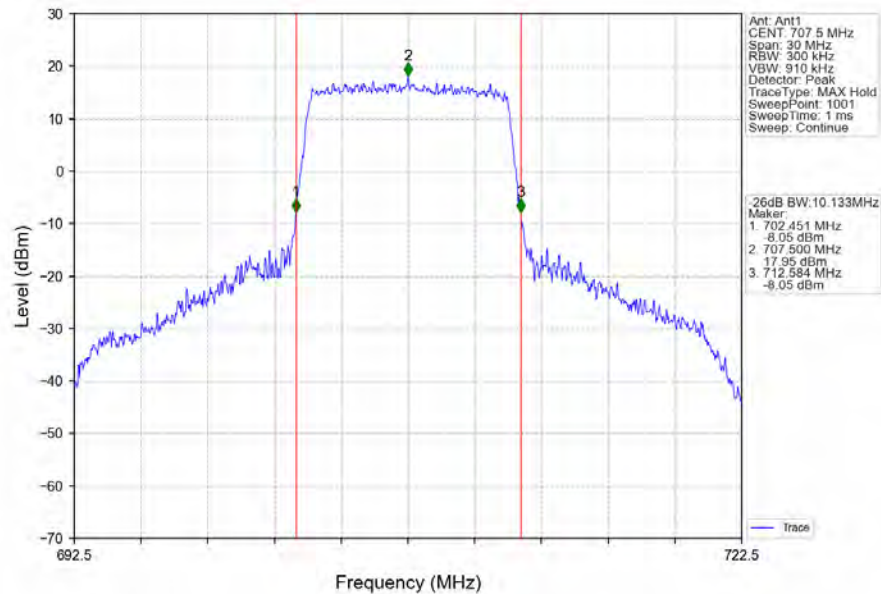


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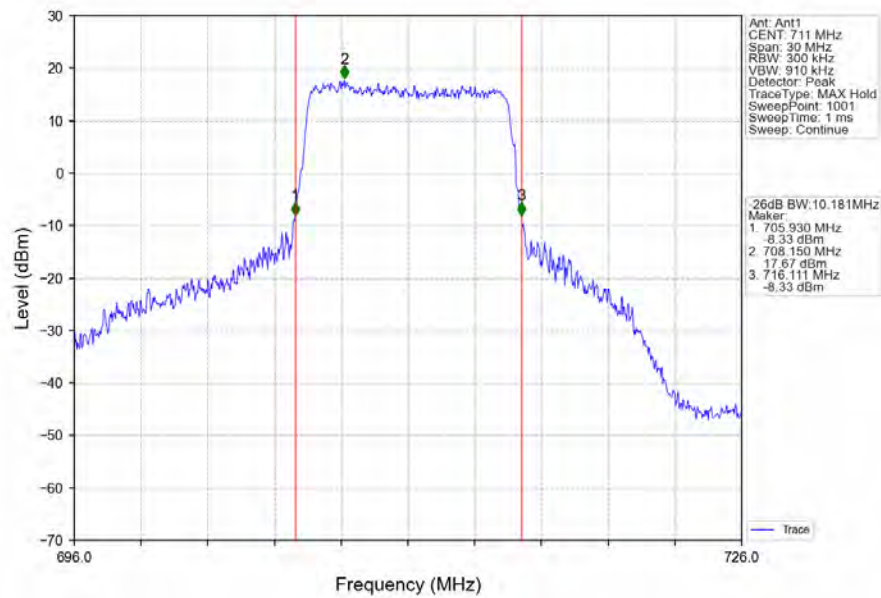
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Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



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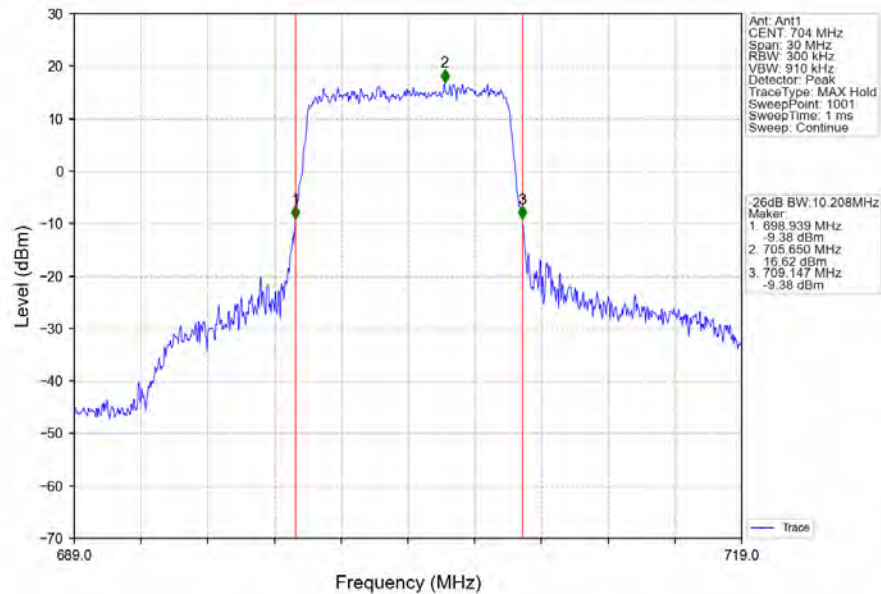


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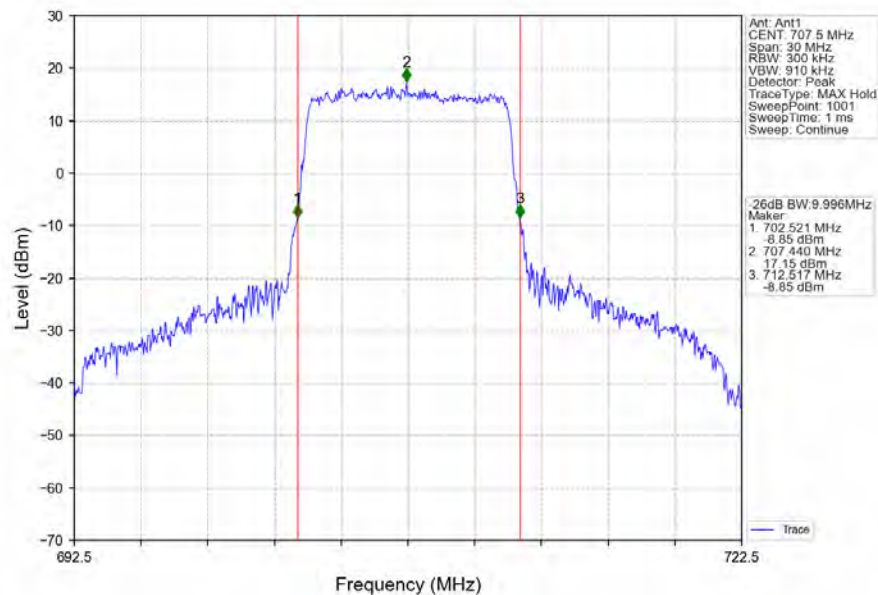
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Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



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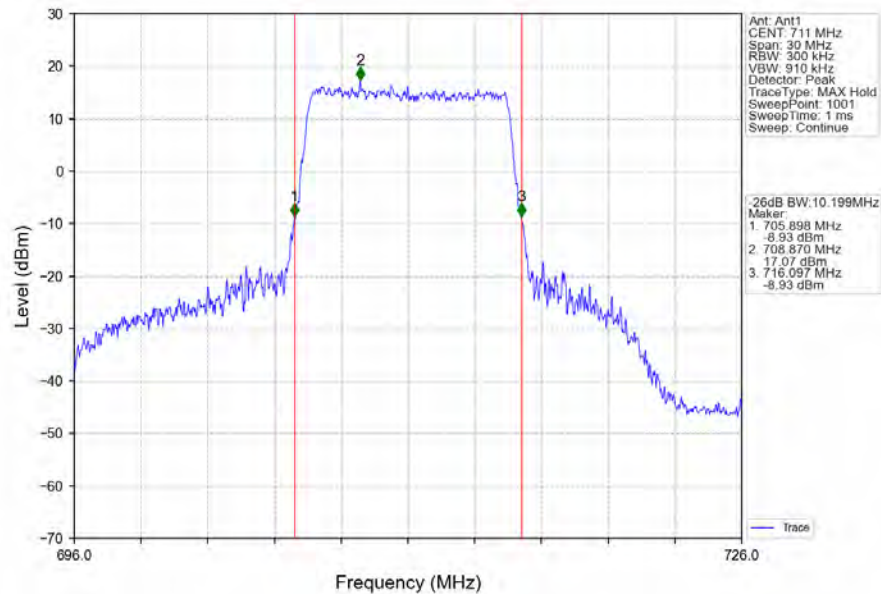


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4. Peak-Average Ratio

4.1 B12_1.4MHz

4.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.97	<=13	Pass
	707.5	6	0	4.69	<=13	Pass
	715.3	6	0	4.50	<=13	Pass
16QAM	699.7	6	0	5.90	<=13	Pass
	707.5	6	0	5.65	<=13	Pass
	715.3	6	0	5.44	<=13	Pass
64QAM	699.7	6	0	6.49	<=13	Pass
	707.5	6	0	6.27	<=13	Pass
	715.3	6	0	8.39	<=13	Pass



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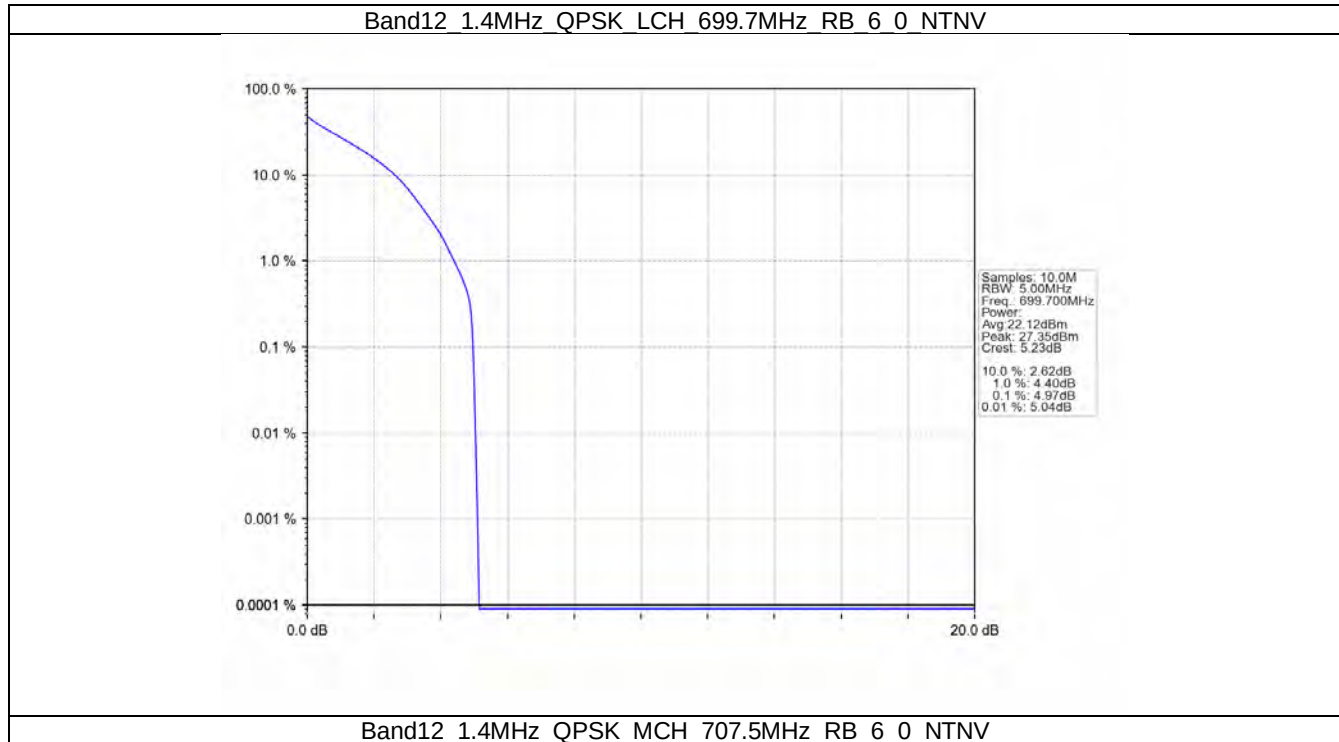
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4.1.2 Test Graph



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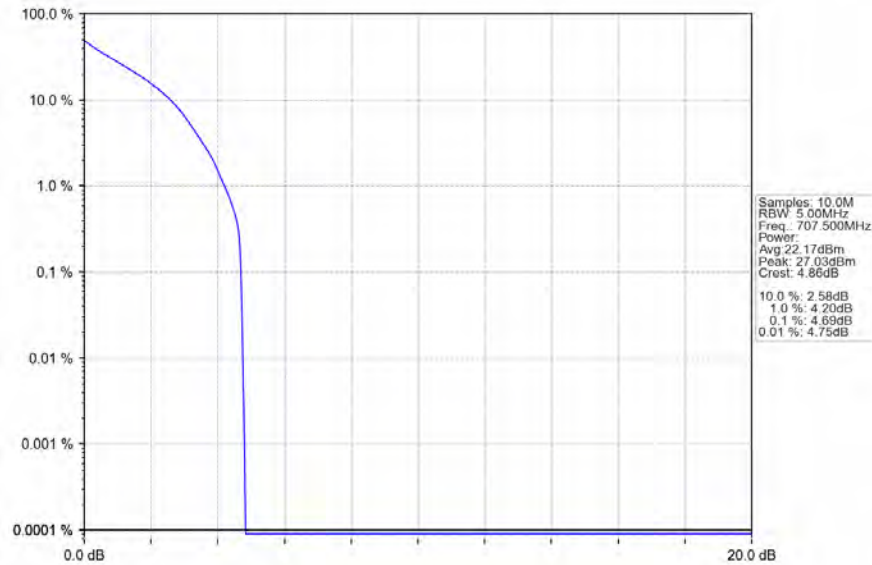


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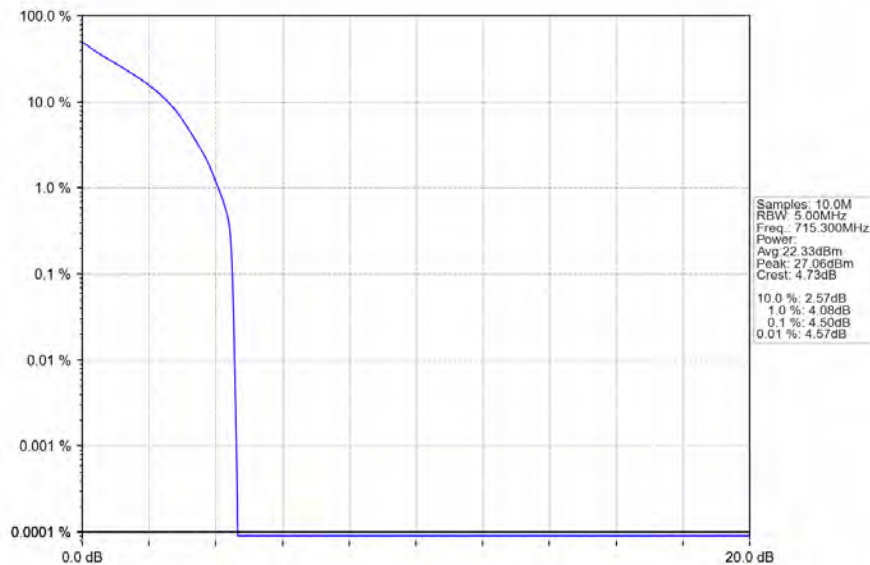
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Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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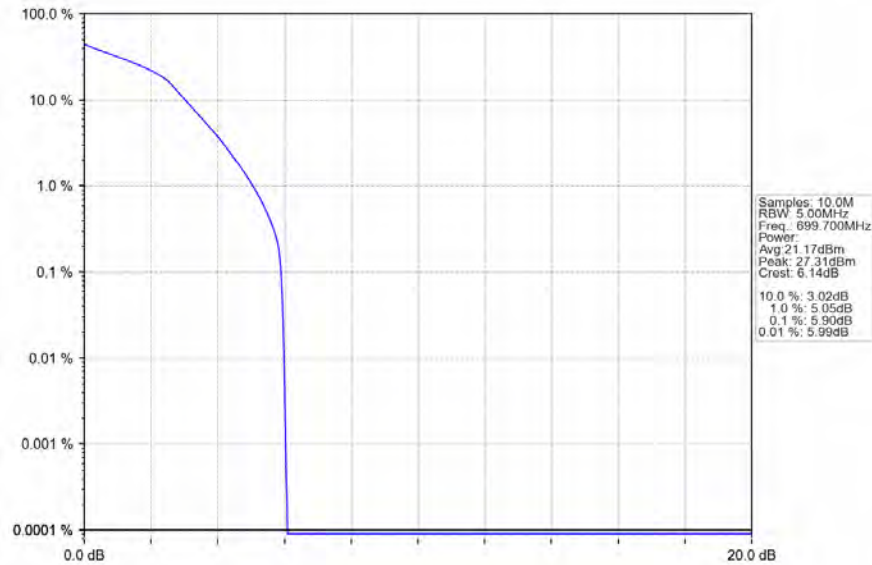


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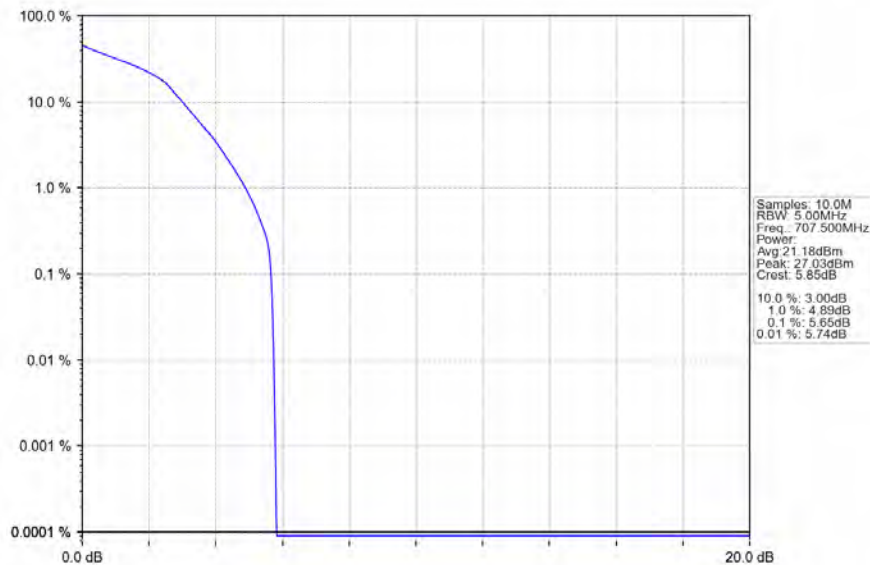
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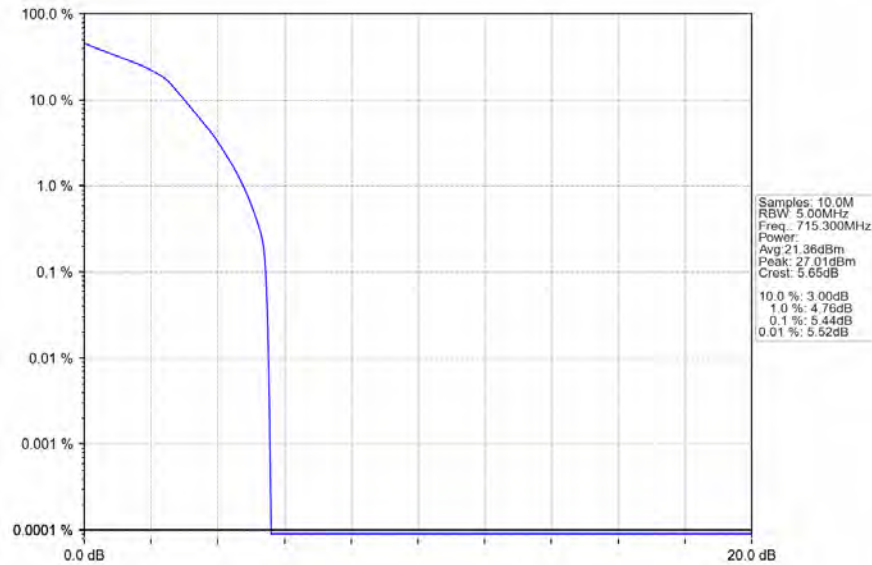


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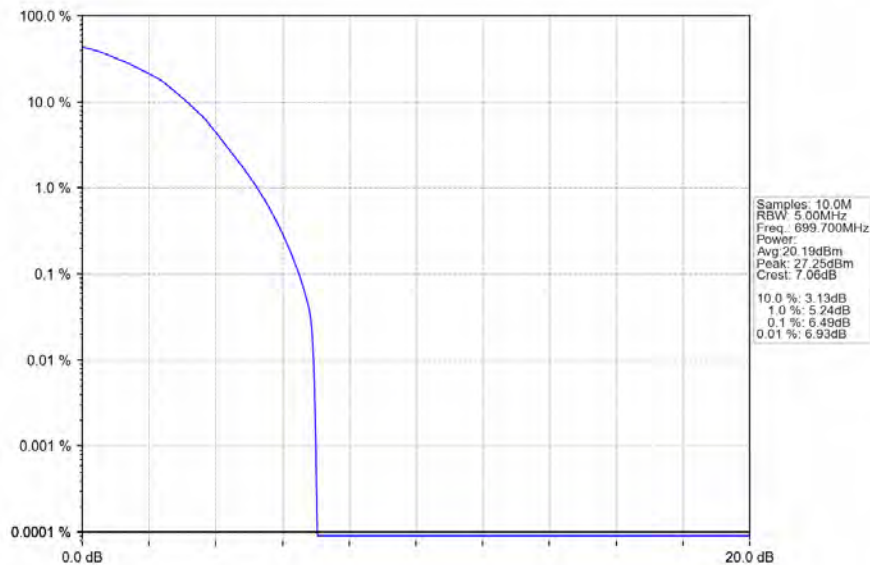
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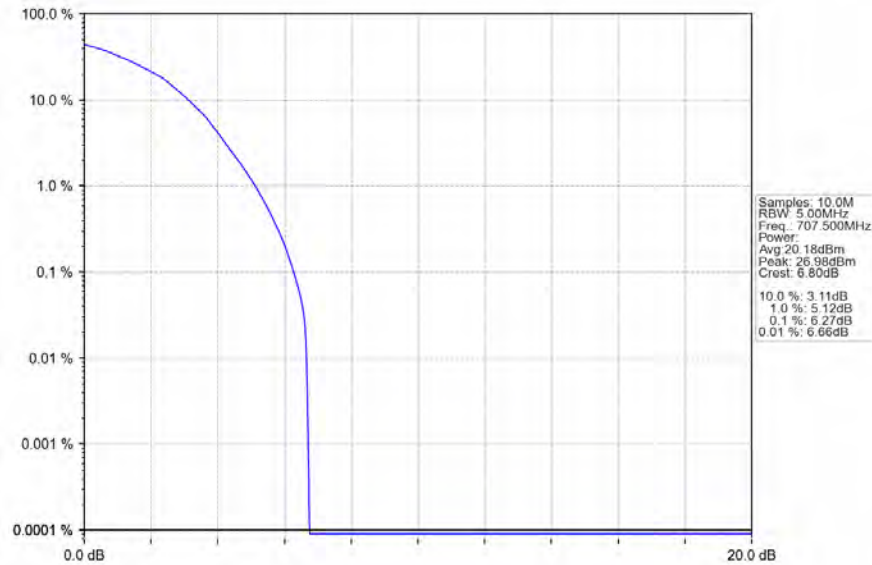


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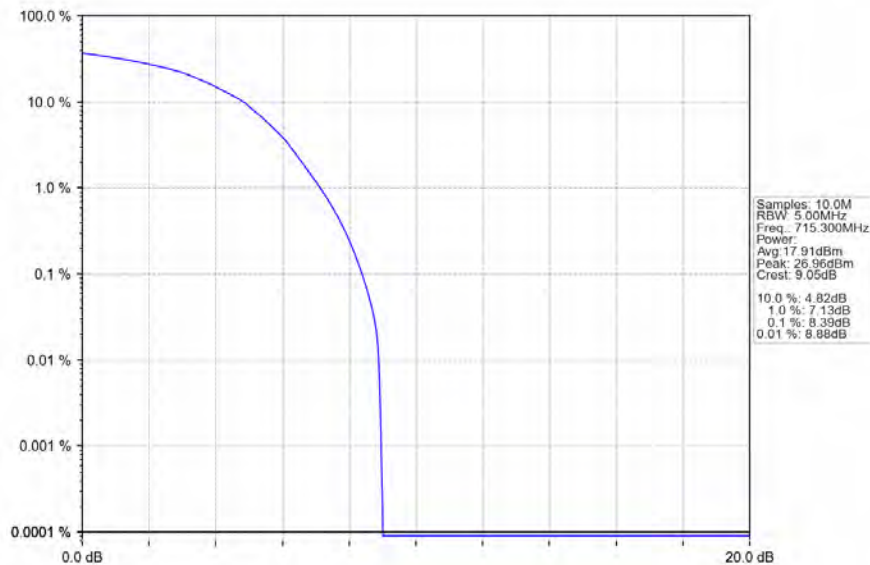
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Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



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4.2 B12_3MHz

4.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.25	<=13	Pass
	707.5	15	0	4.96	<=13	Pass
	714.5	15	0	4.99	<=13	Pass
16QAM	700.5	15	0	6.15	<=13	Pass
	707.5	15	0	5.86	<=13	Pass
	714.5	15	0	5.88	<=13	Pass
64QAM	700.5	15	0	6.59	<=13	Pass
	707.5	15	0	9.15	<=13	Pass
	714.5	15	0	9.37	<=13	Pass



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4.2.2 Test Graph



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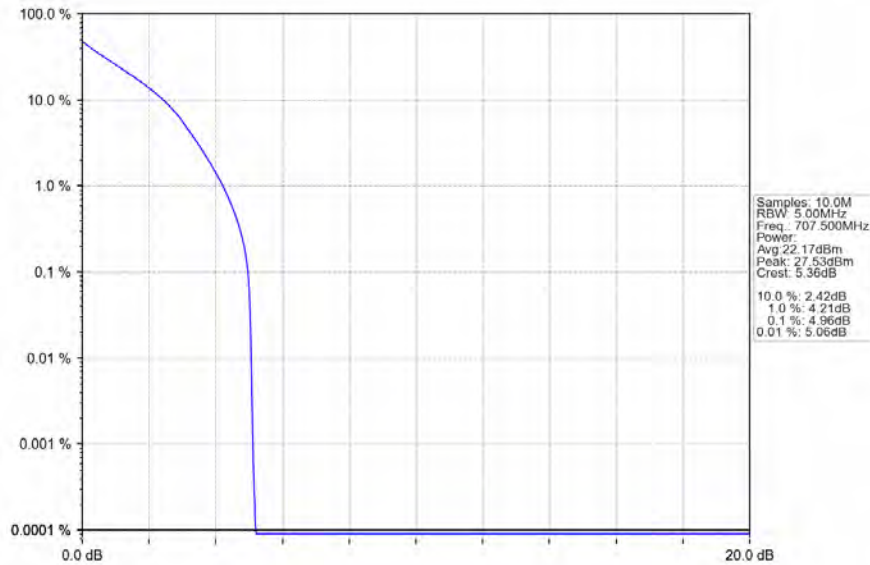


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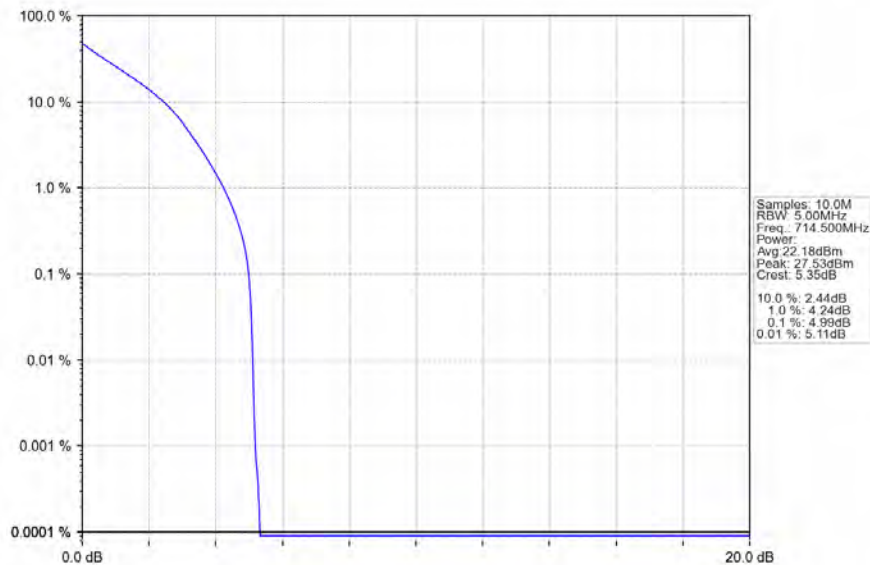
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Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



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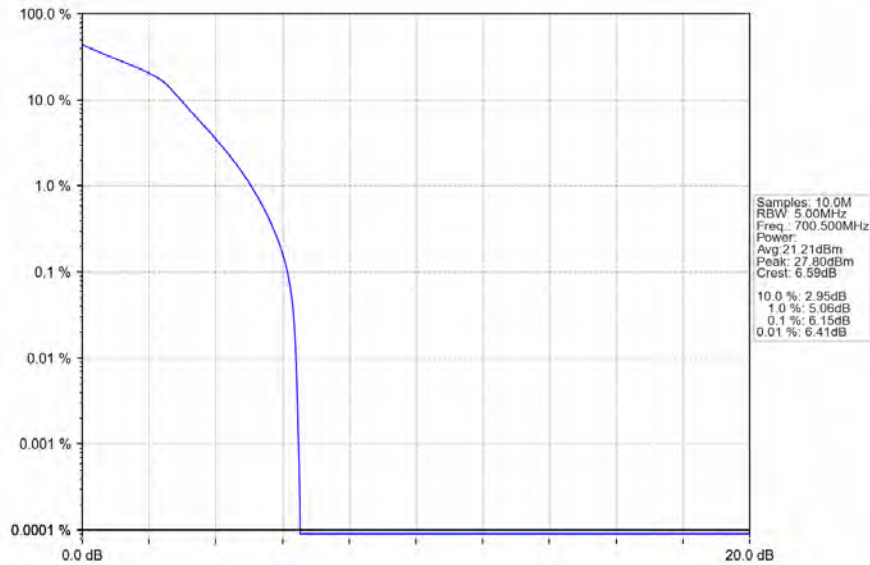


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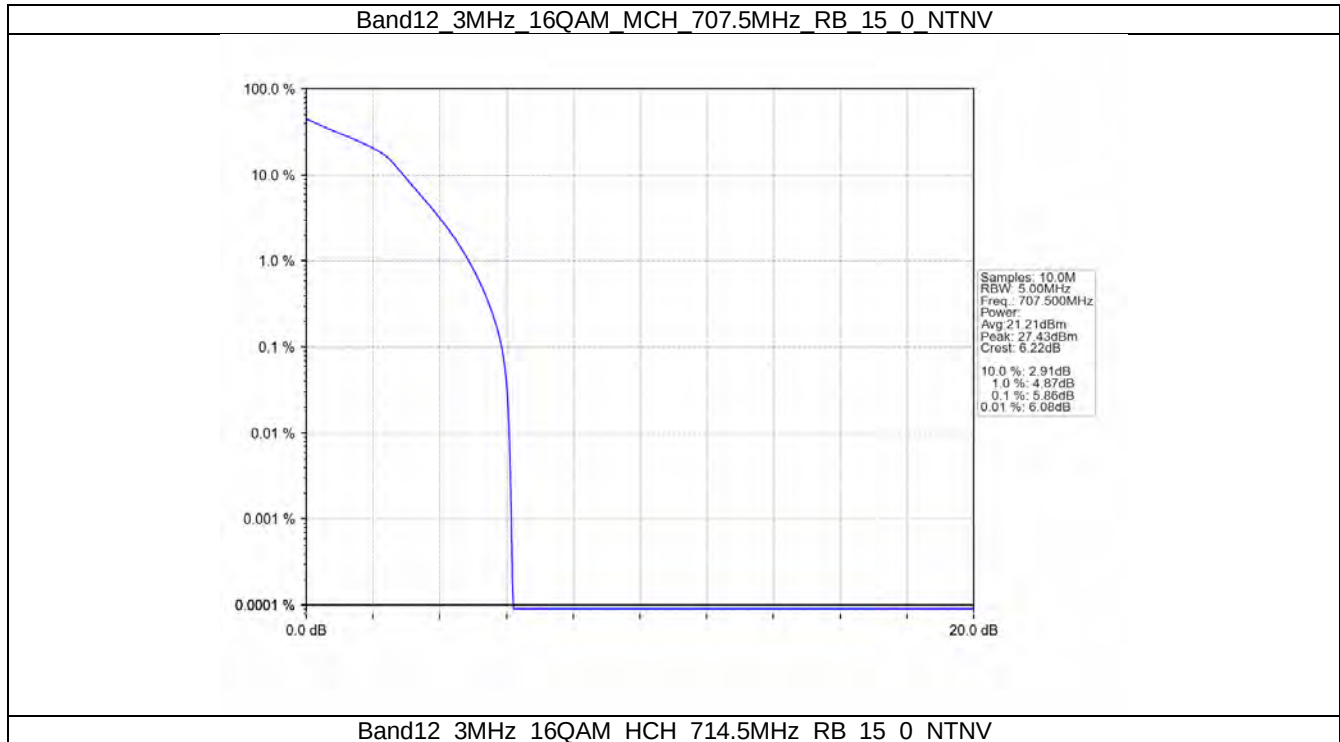


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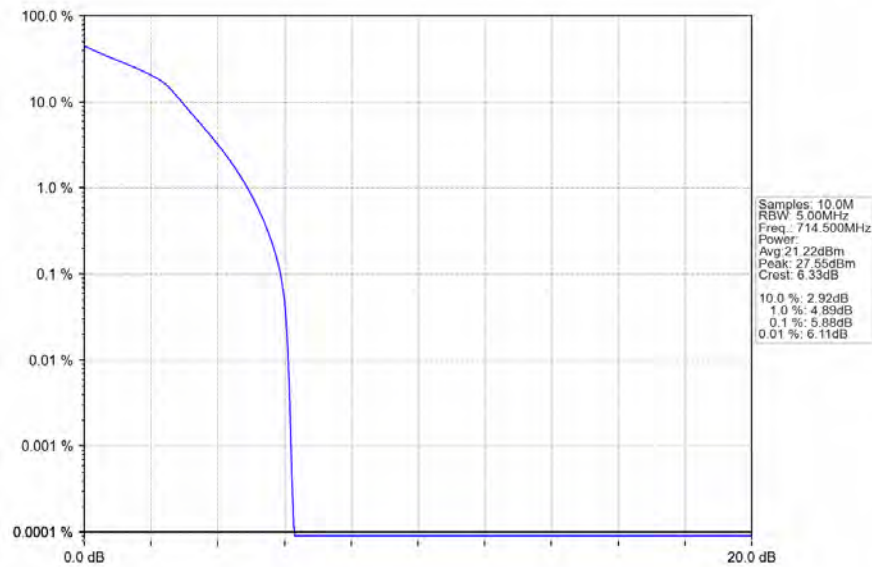


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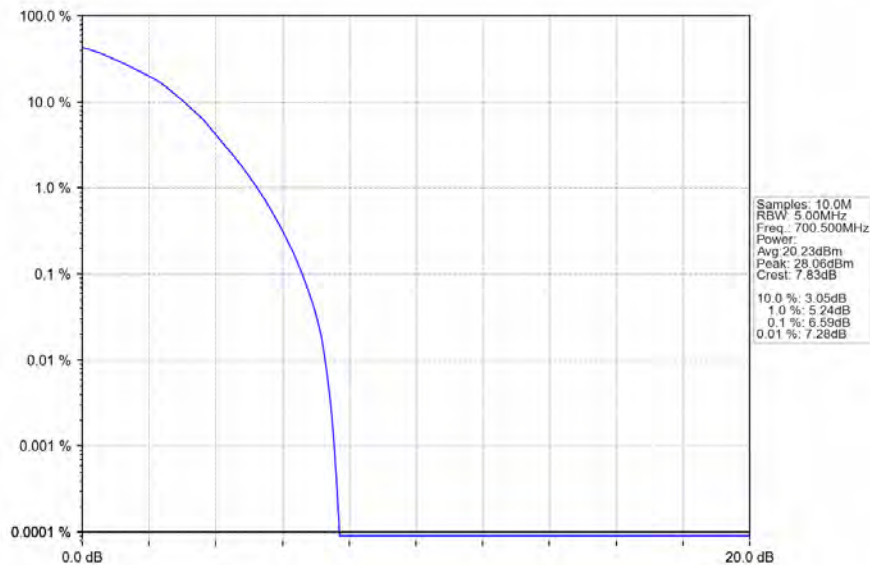
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Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



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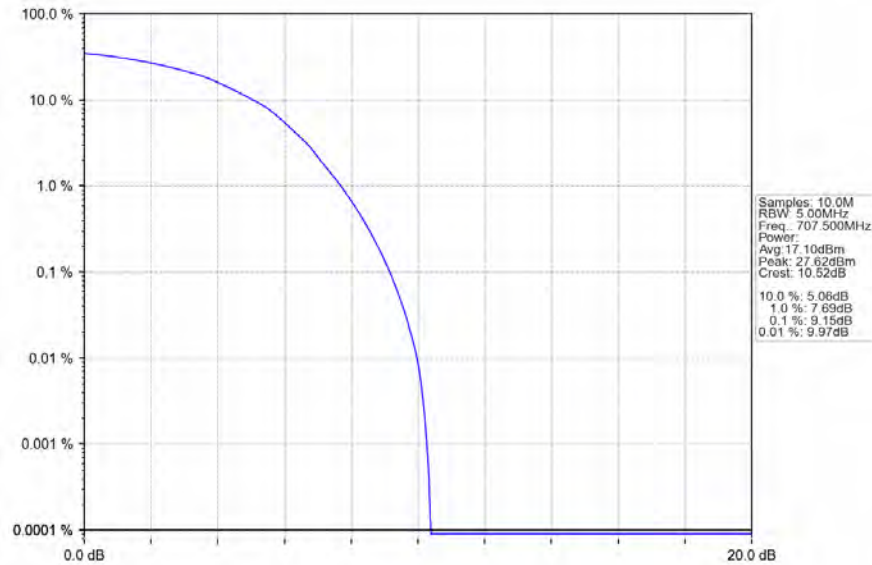


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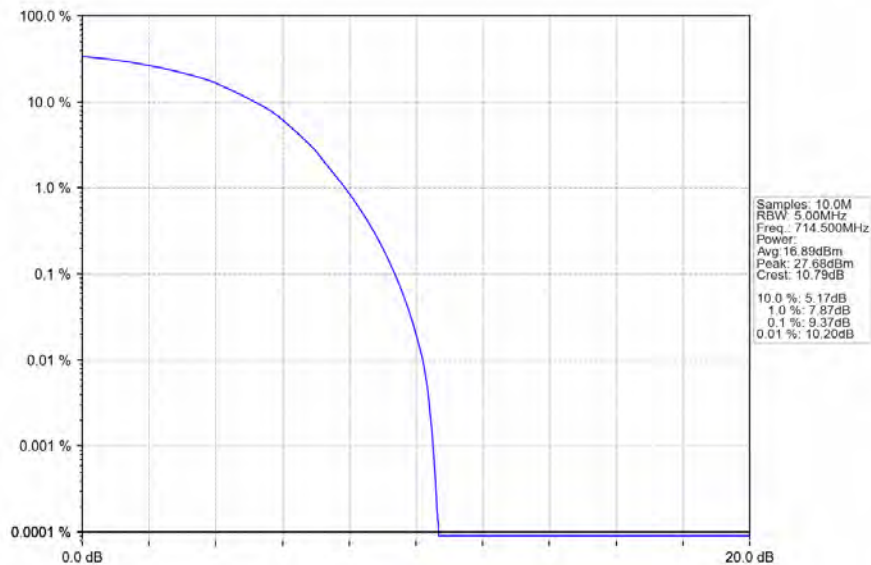
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4.3 B12_5MHz

4.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.47	<=13	Pass
	707.5	25	0	5.23	<=13	Pass
	713.5	25	0	5.37	<=13	Pass
16QAM	701.5	25	0	6.28	<=13	Pass
	707.5	25	0	6.06	<=13	Pass
	713.5	25	0	6.20	<=13	Pass
64QAM	701.5	25	0	9.74	<=13	Pass
	707.5	25	0	9.66	<=13	Pass
	713.5	25	0	9.94	<=13	Pass



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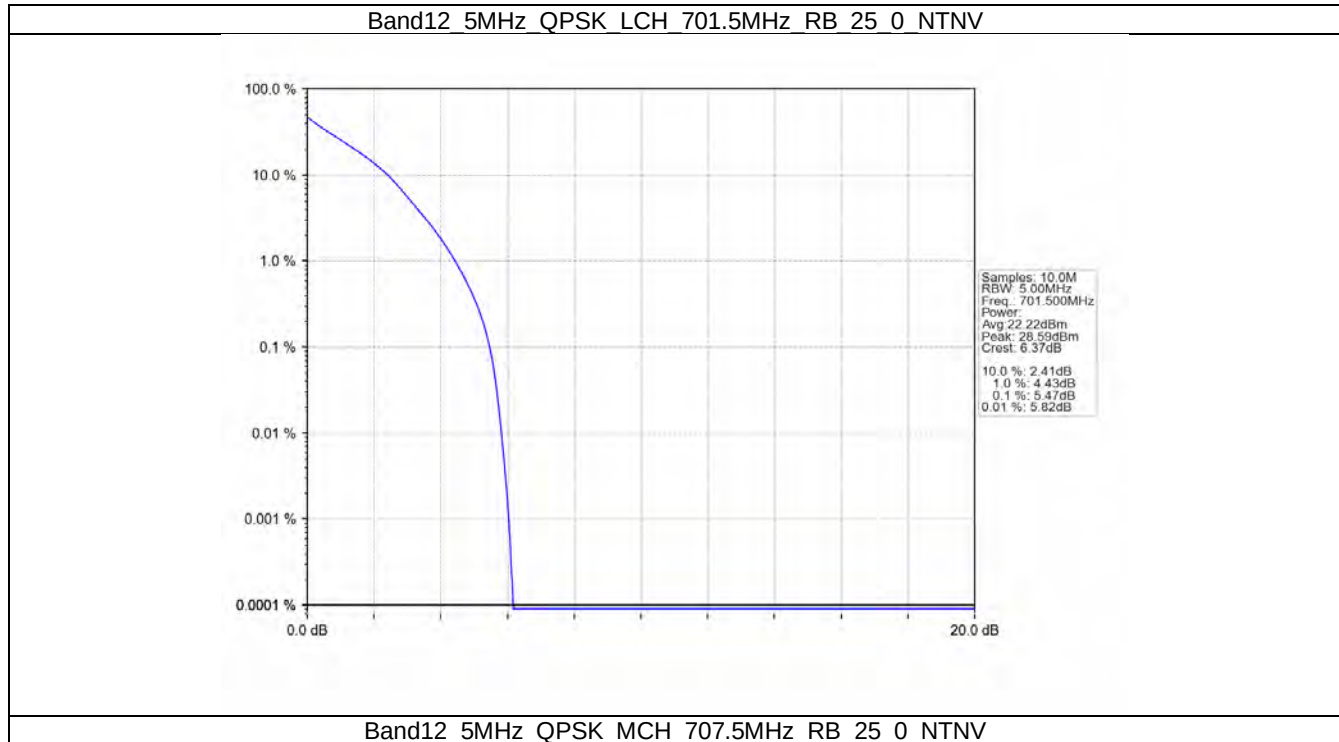
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4.3.2 Test Graph



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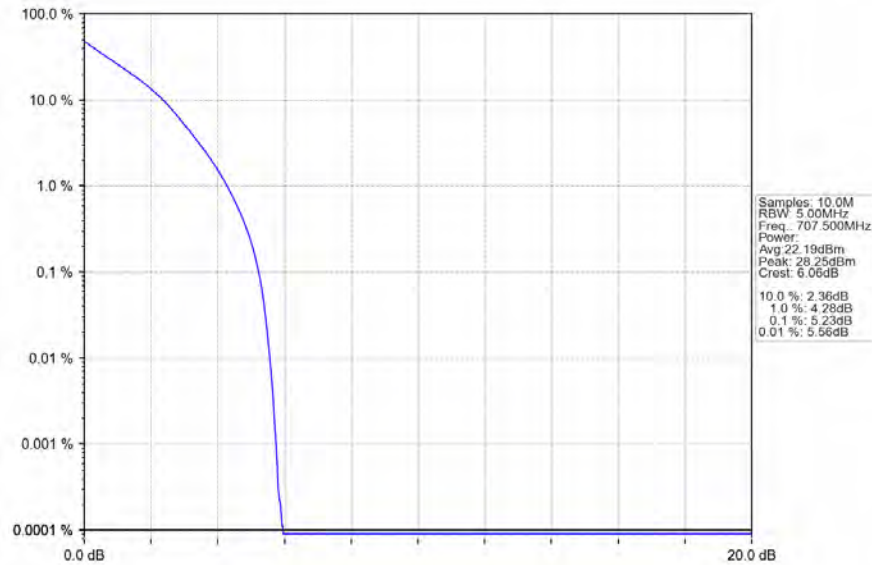


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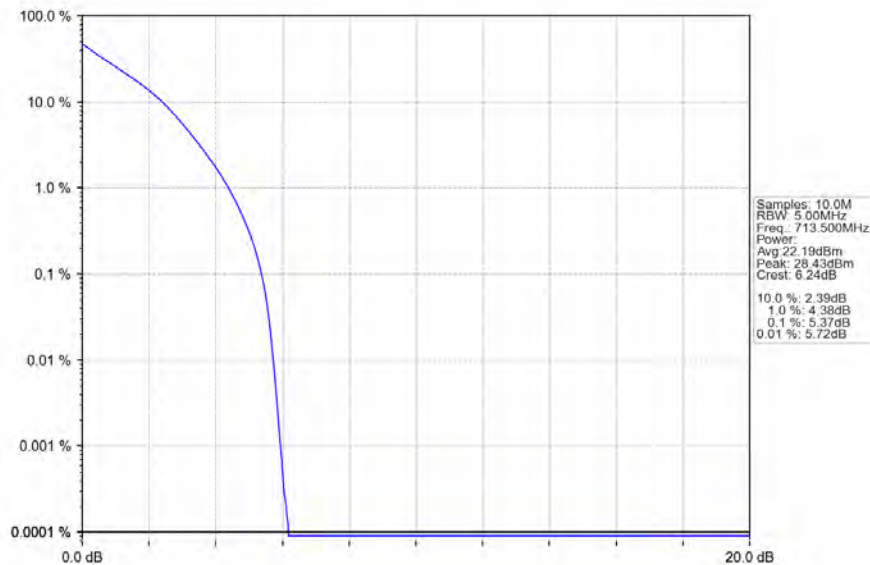
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Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



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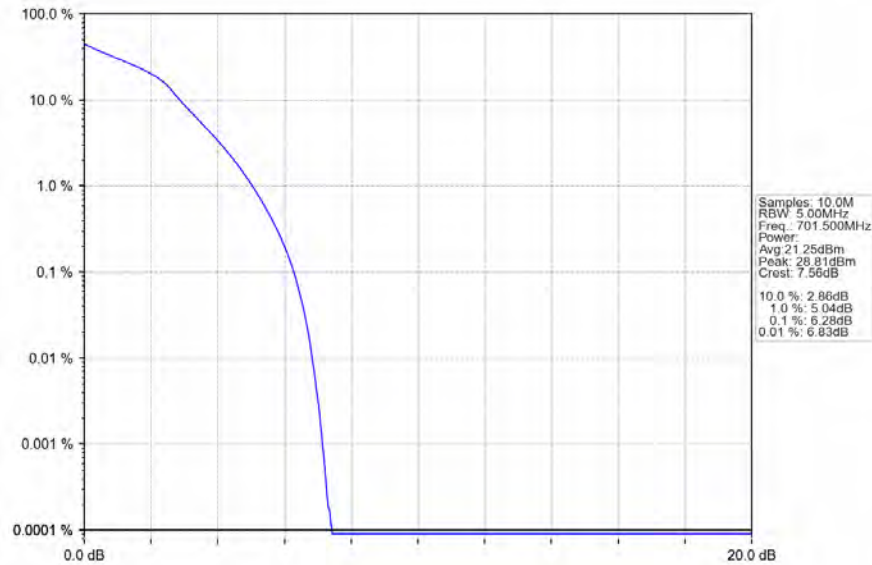


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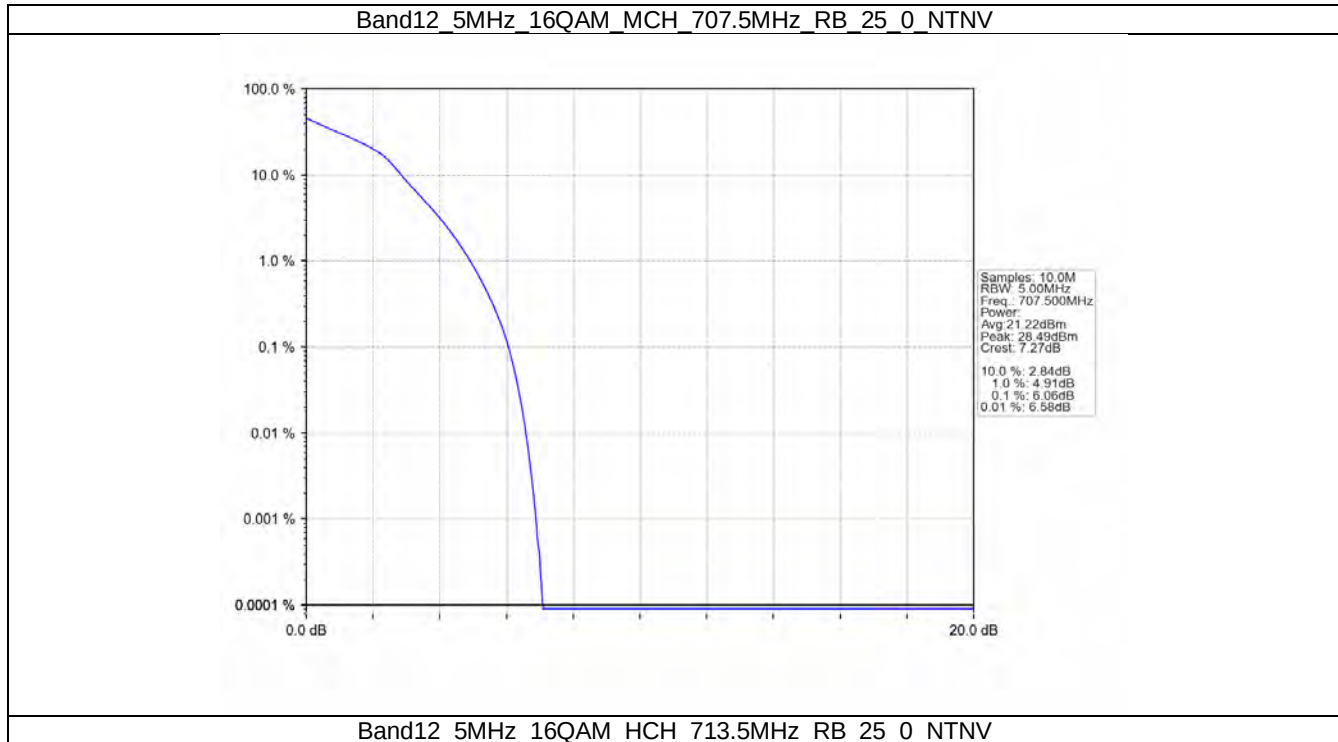


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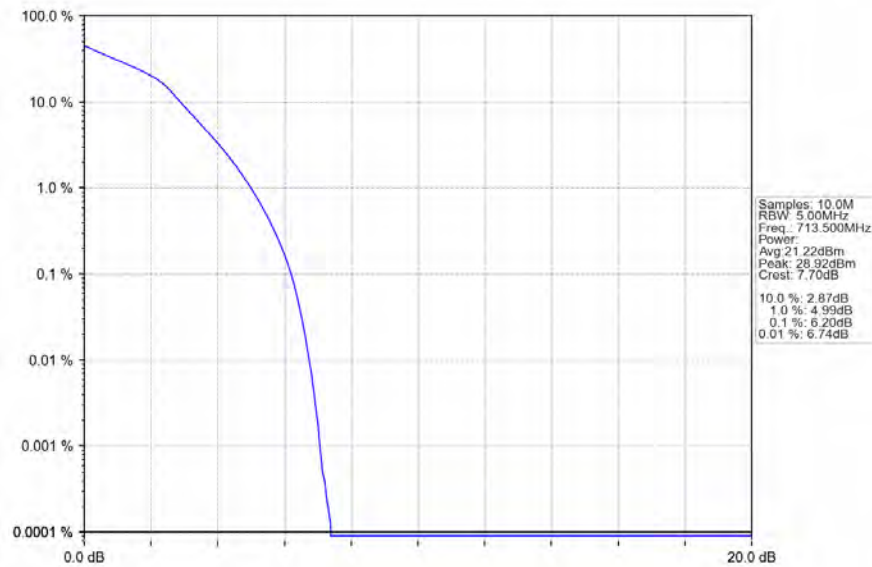


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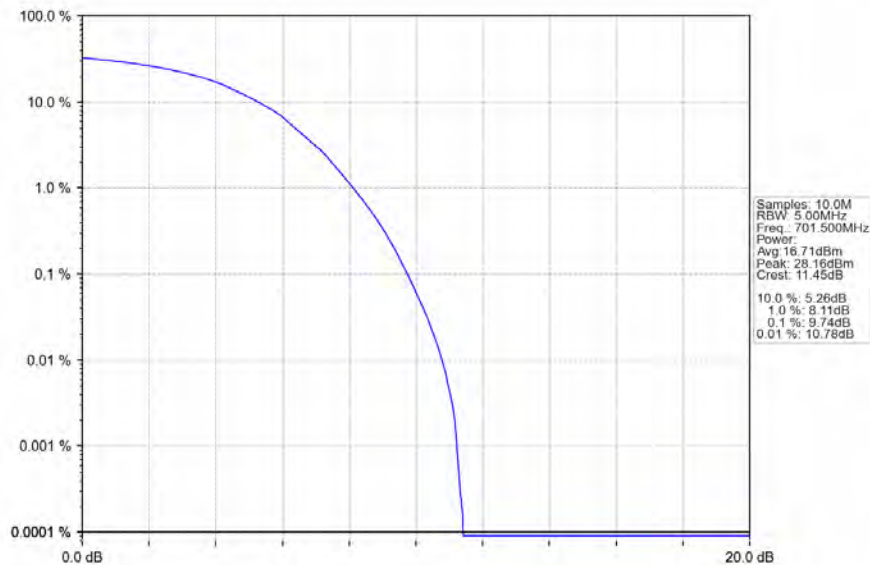
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Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



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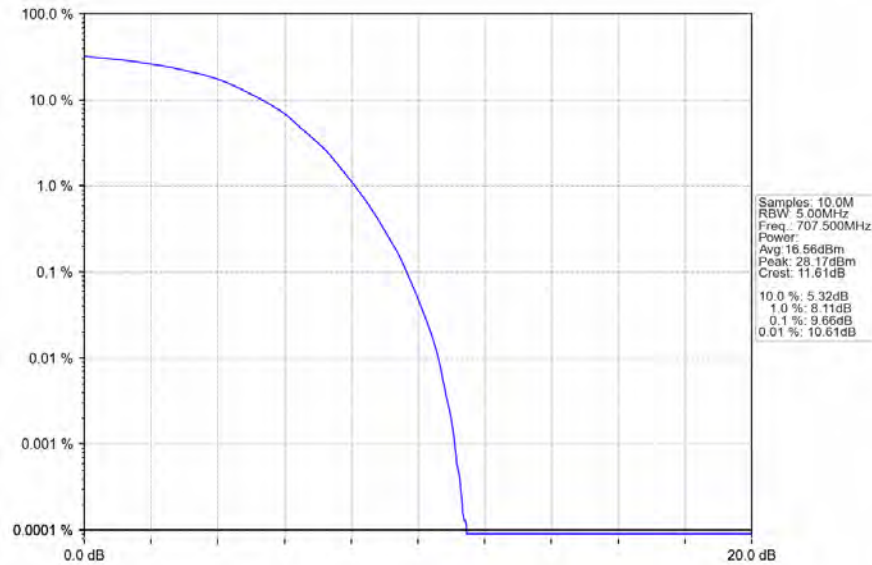


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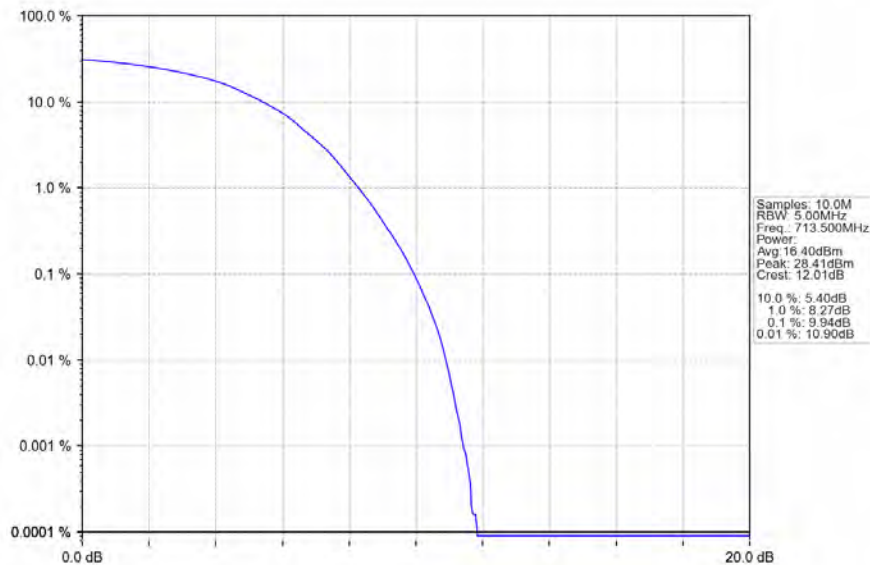
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4.4 B12_10MHz

4.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.32	<=13	Pass
	707.5	50	0	5.21	<=13	Pass
	711	50	0	5.38	<=13	Pass
16QAM	704	50	0	6.10	<=13	Pass
	707.5	50	0	6.02	<=13	Pass
	711	50	0	6.14	<=13	Pass
64QAM	704	50	0	6.45	<=13	Pass
	707.5	50	0	7.41	<=13	Pass
	711	50	0	7.46	<=13	Pass



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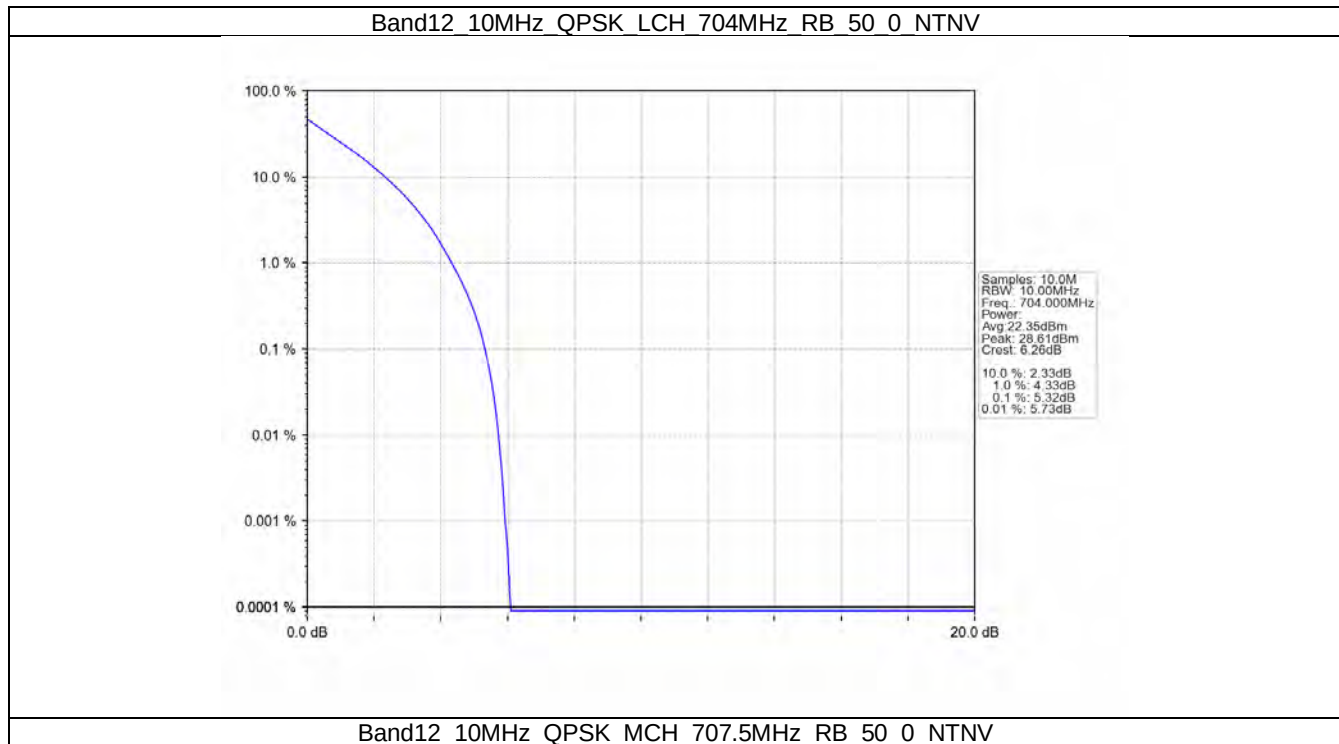
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4.4.2 Test Graph



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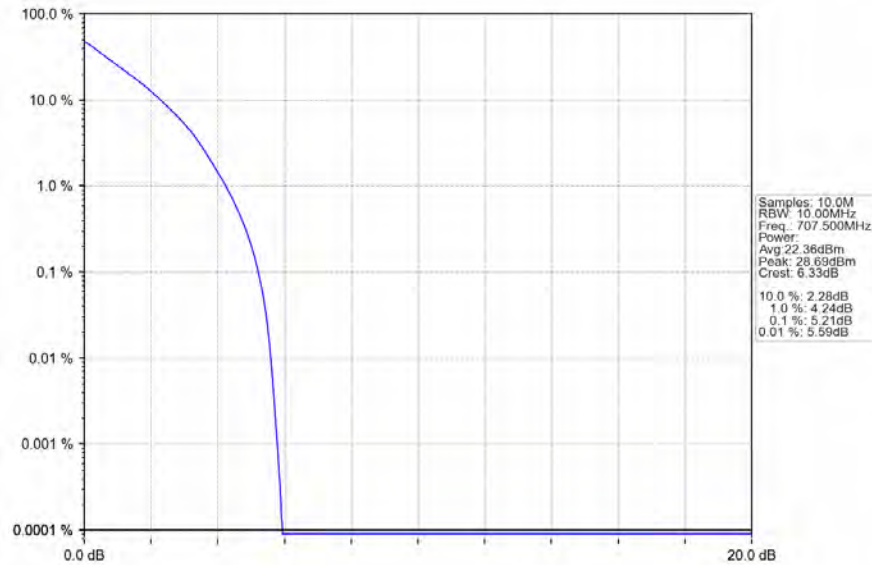


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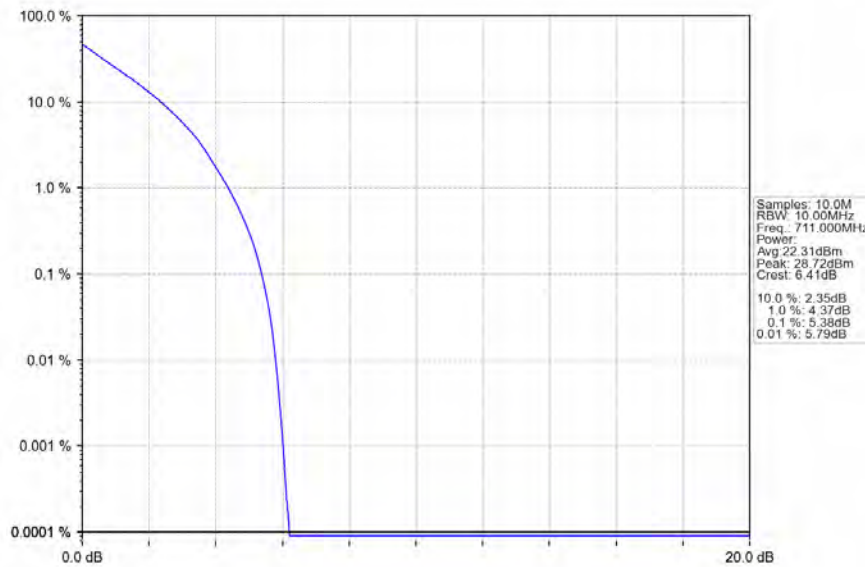
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Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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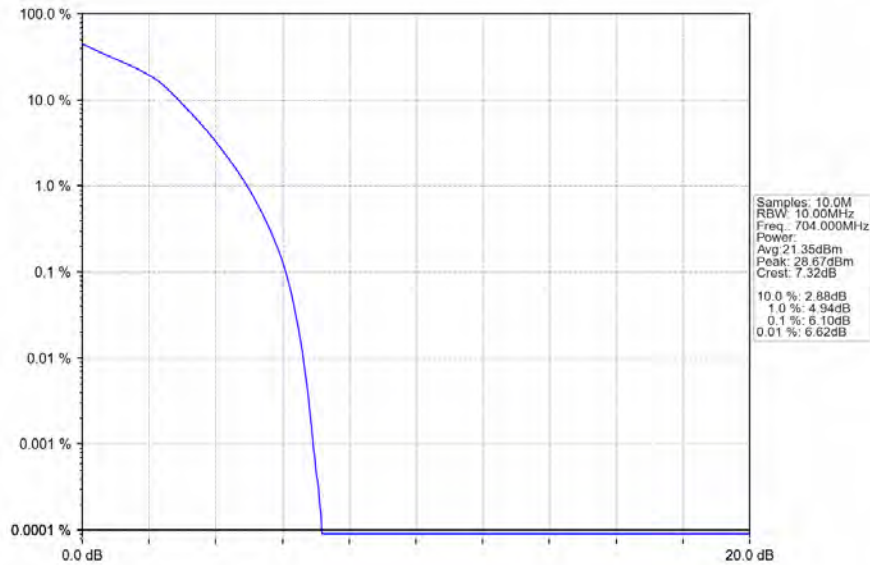


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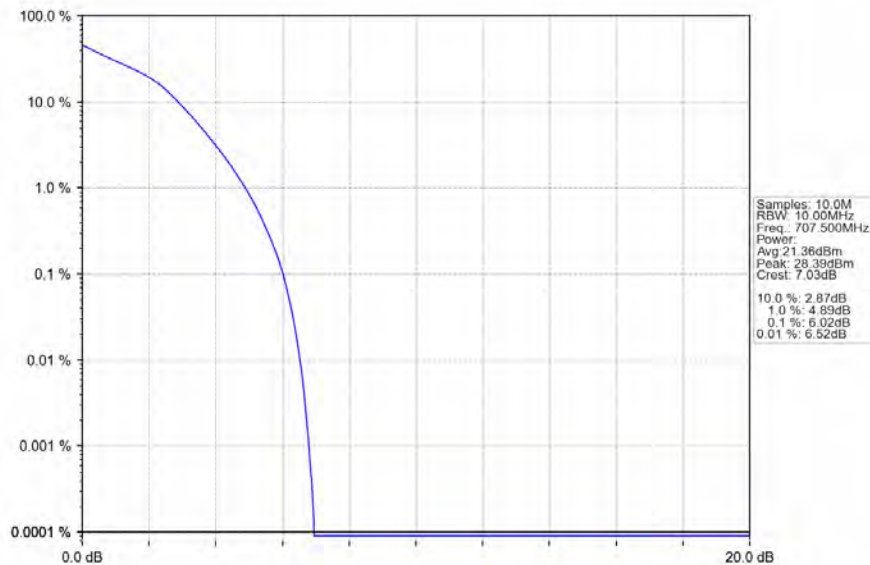
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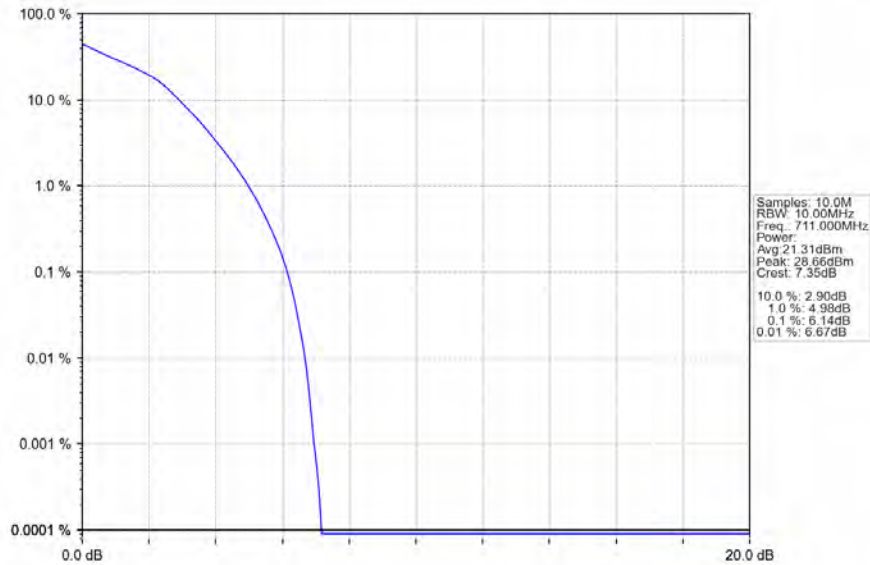


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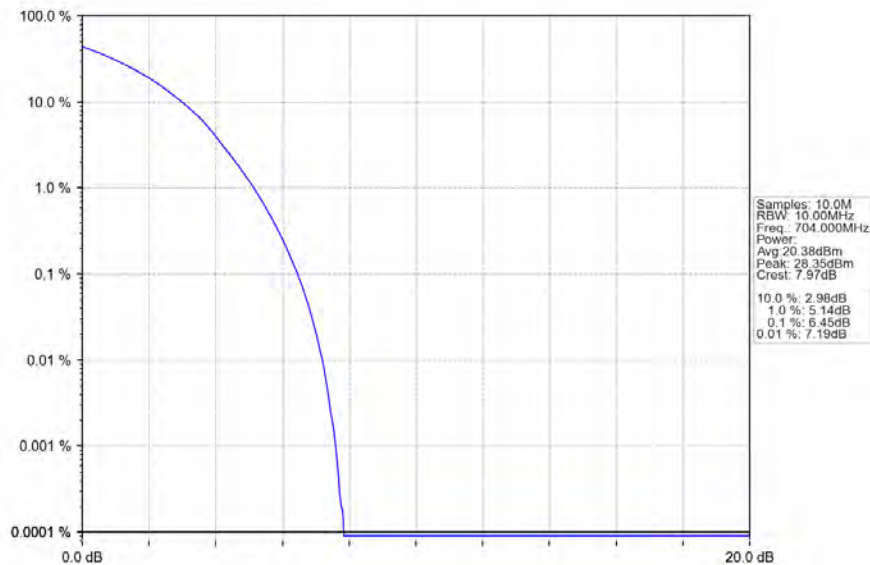
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Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



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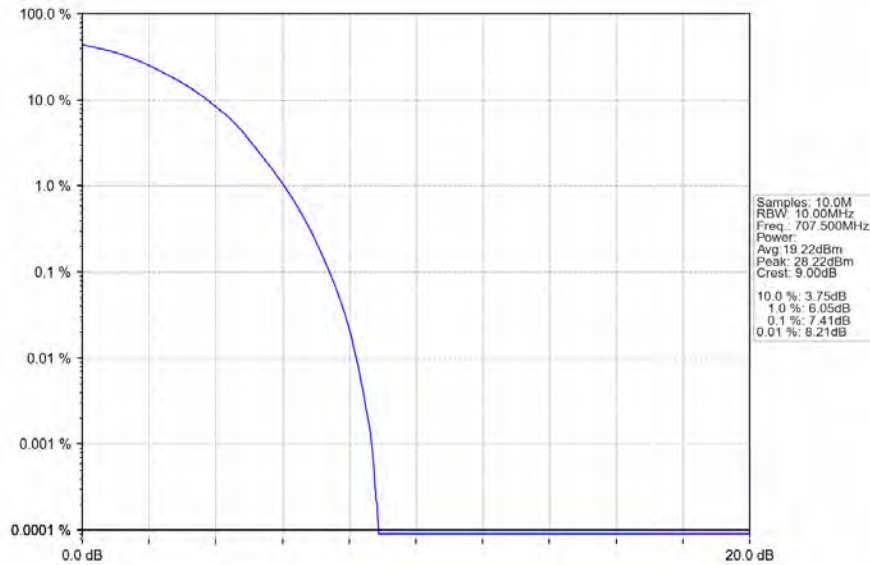


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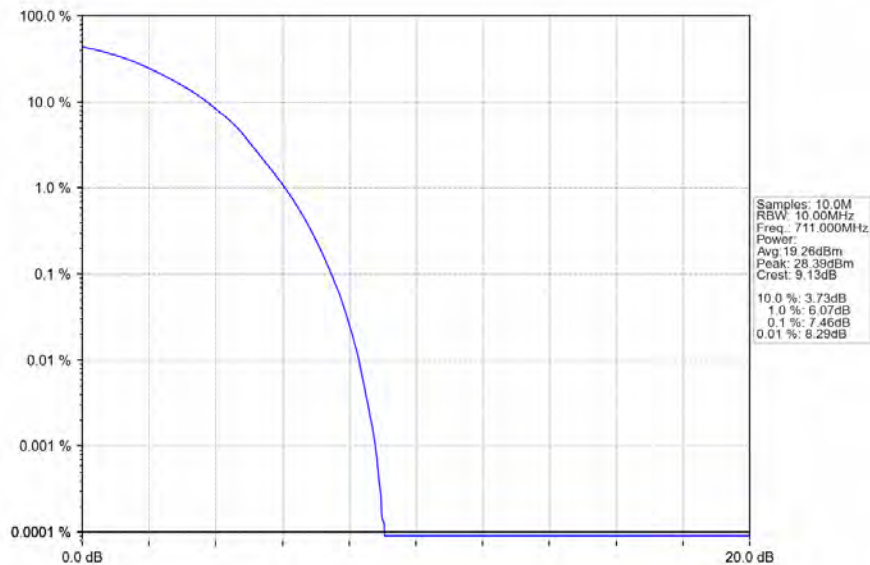
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Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



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5. Spurious Emission & Band Edges

5.1 B12_1.4MHz

5.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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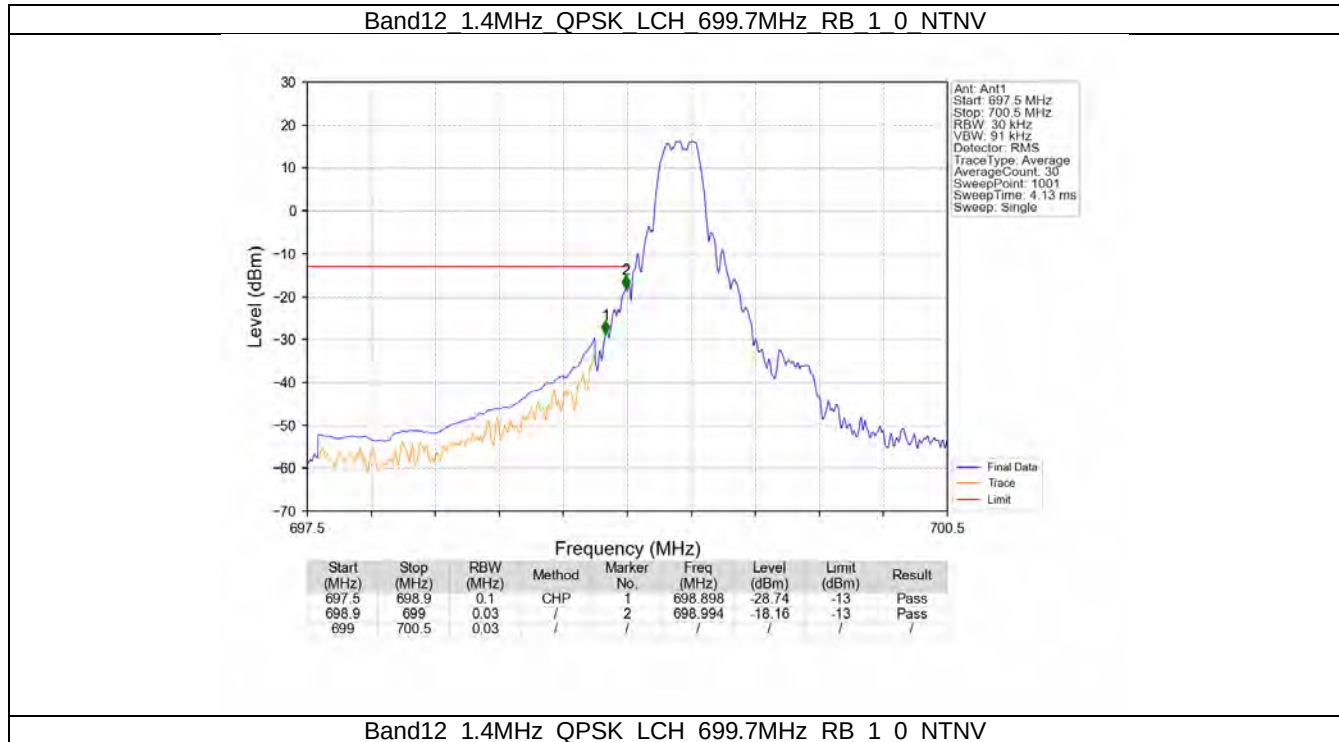
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5.1.2 Test Graph



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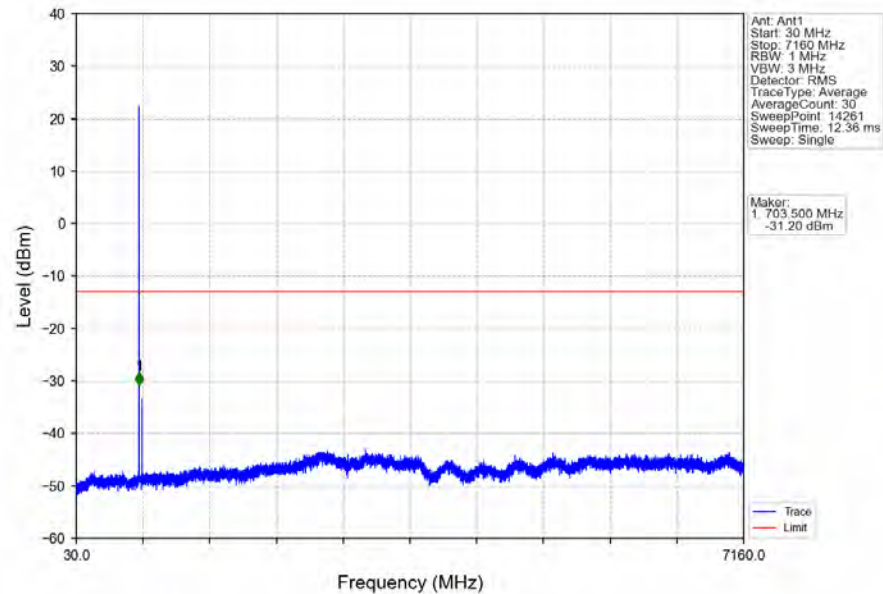


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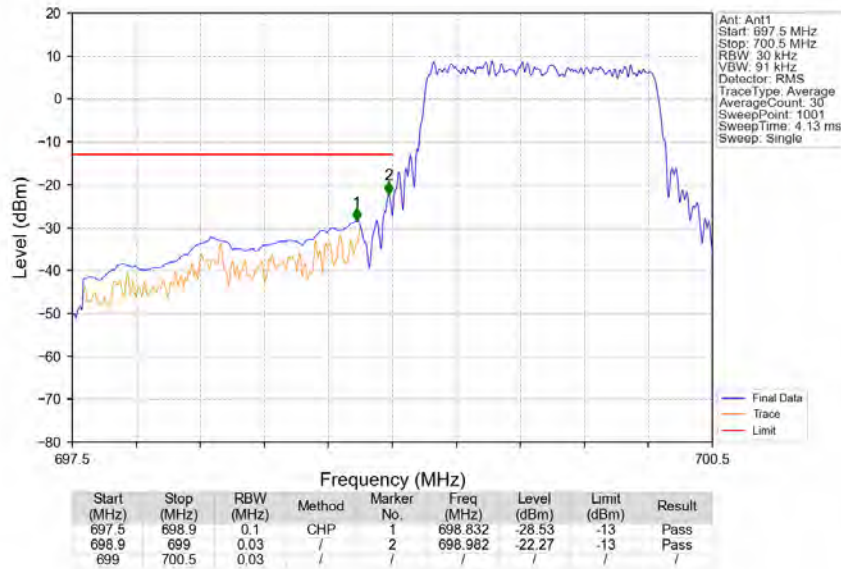
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Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



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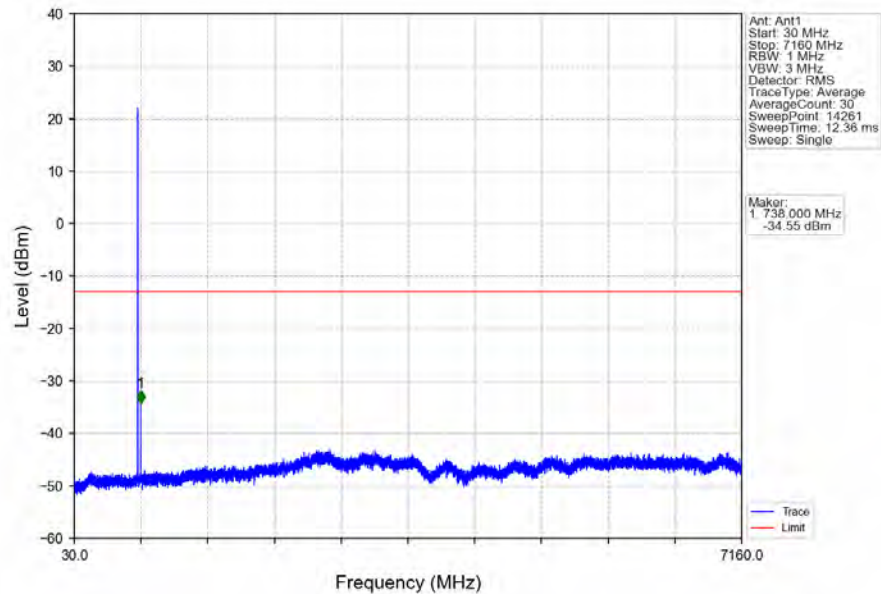


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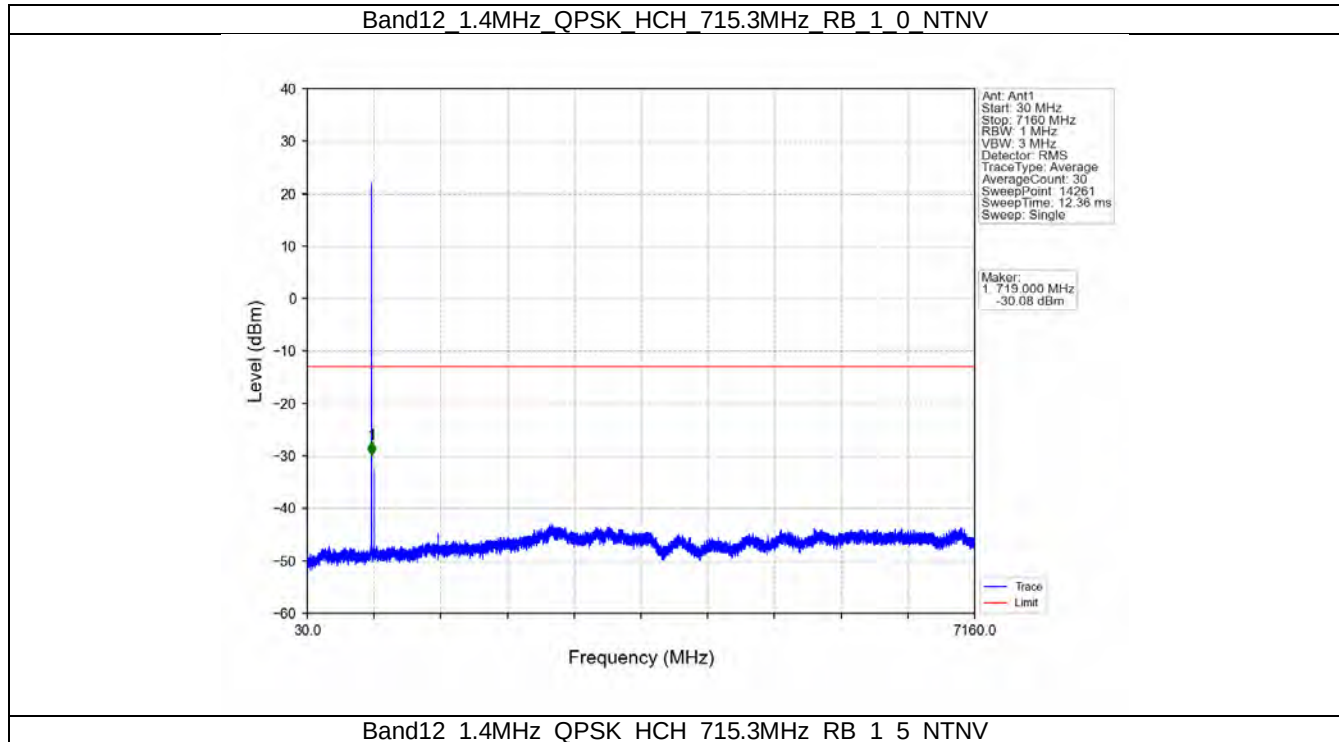


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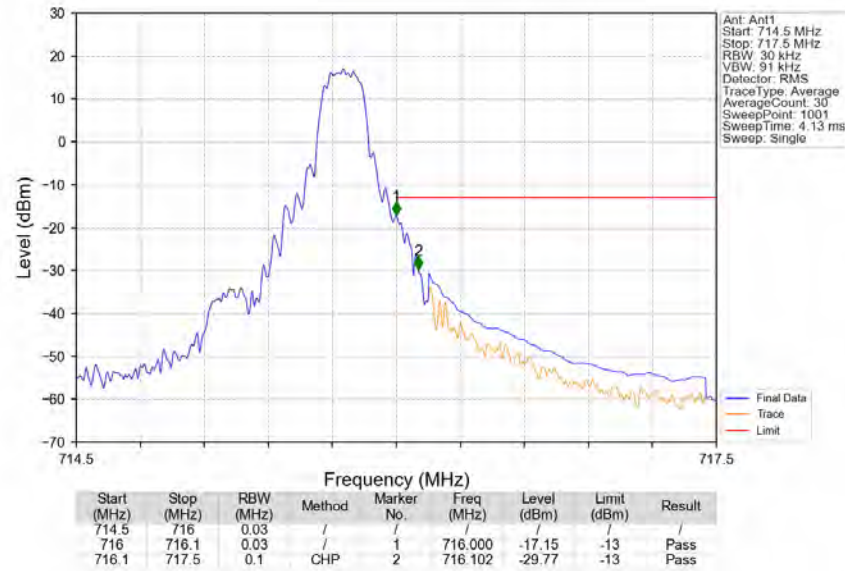


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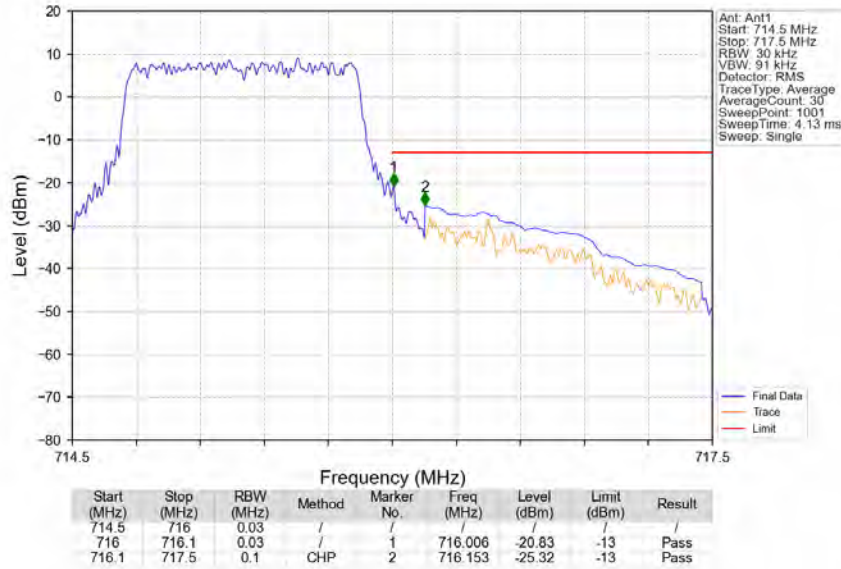
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



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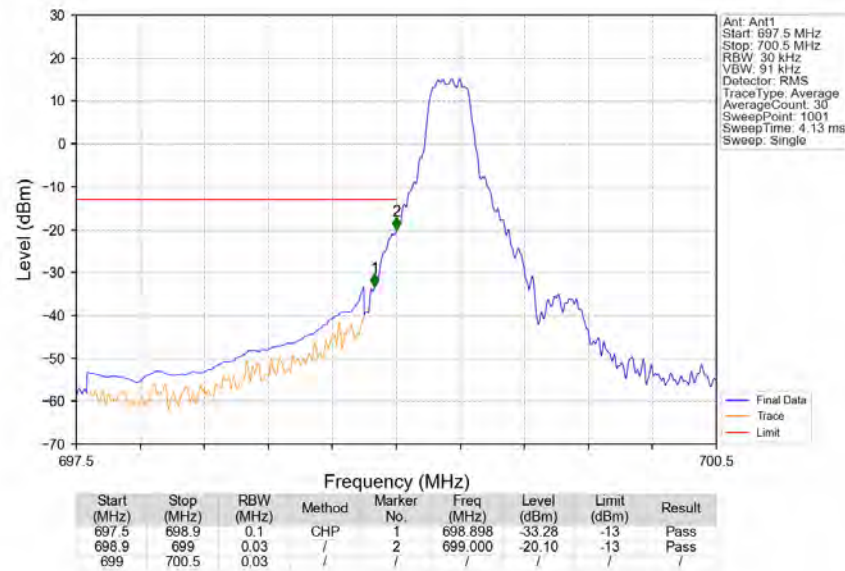


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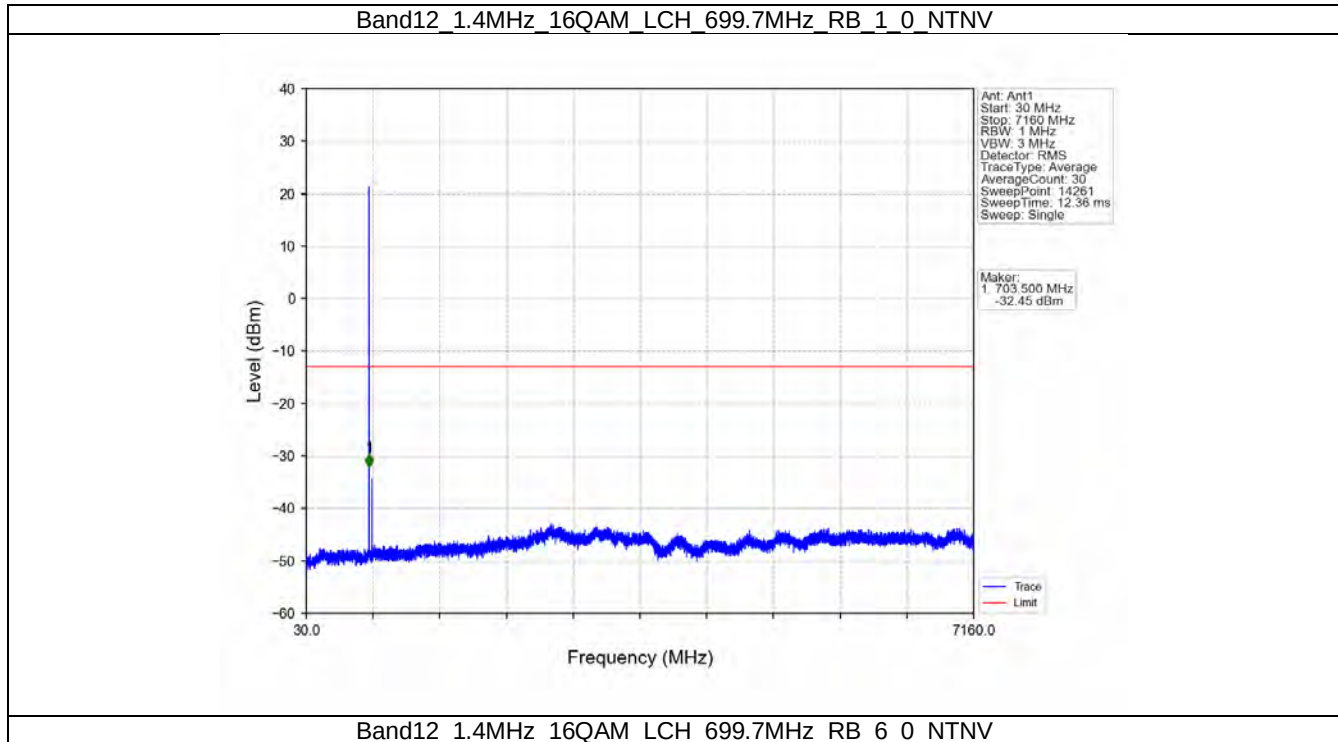


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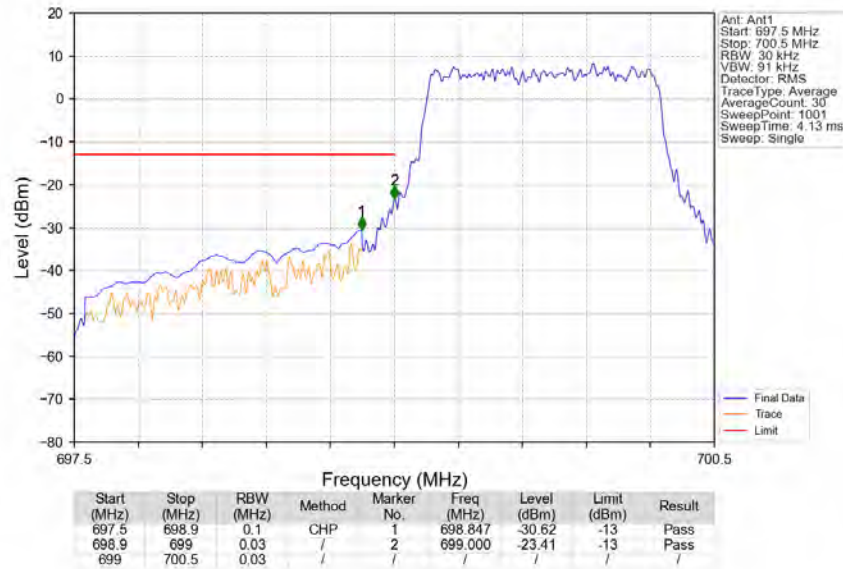


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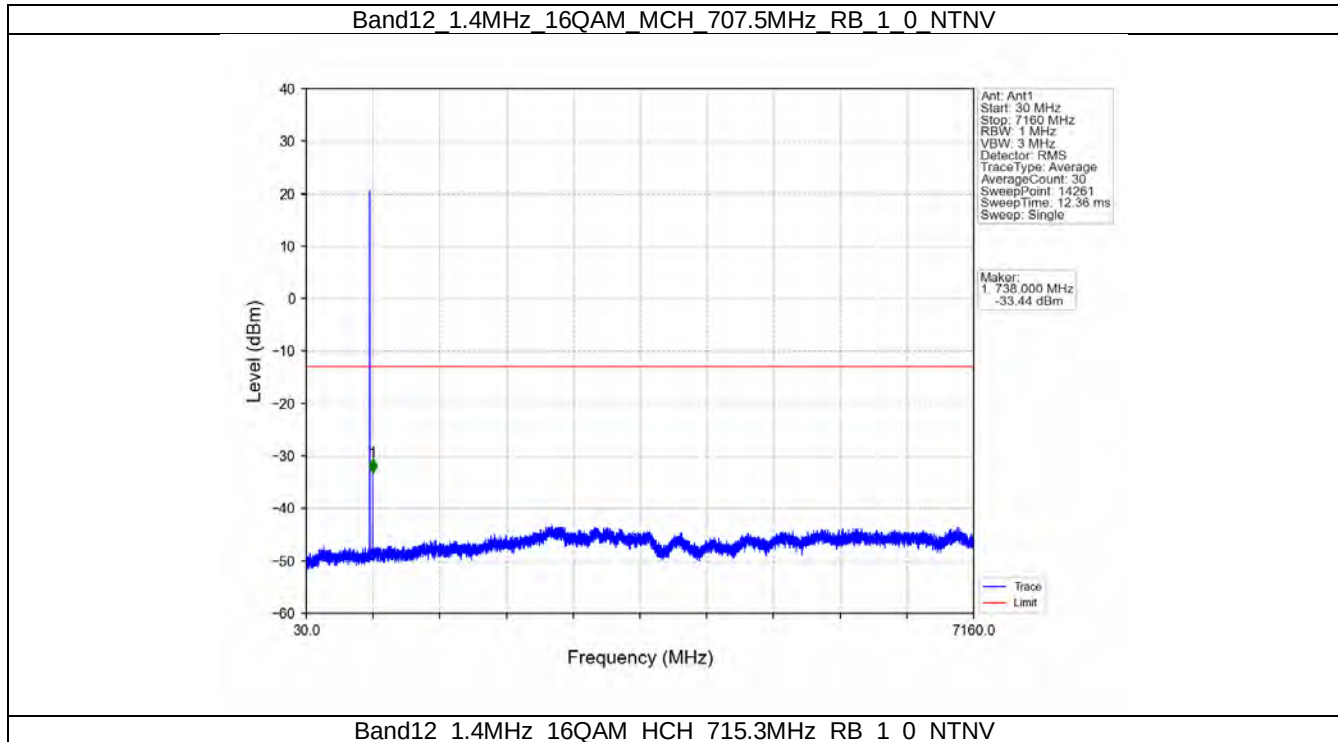


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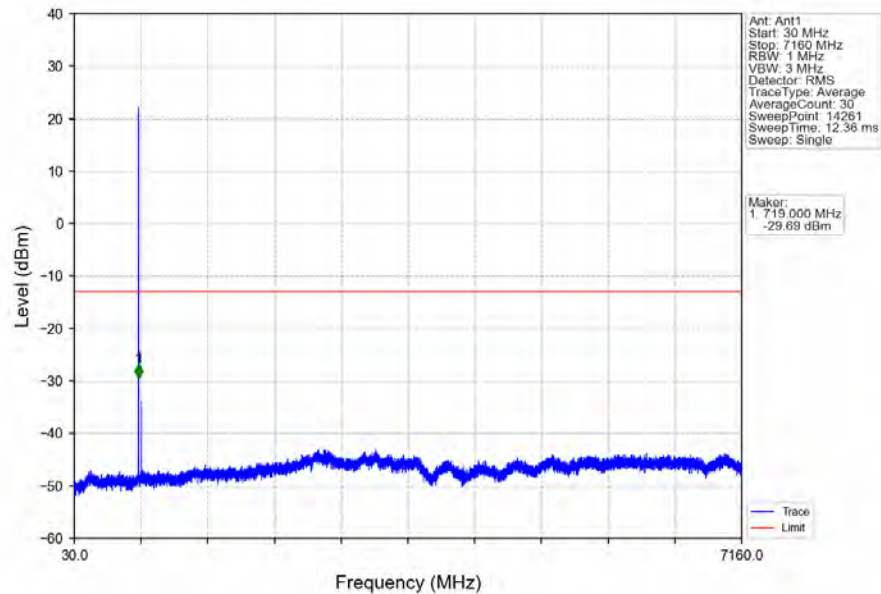


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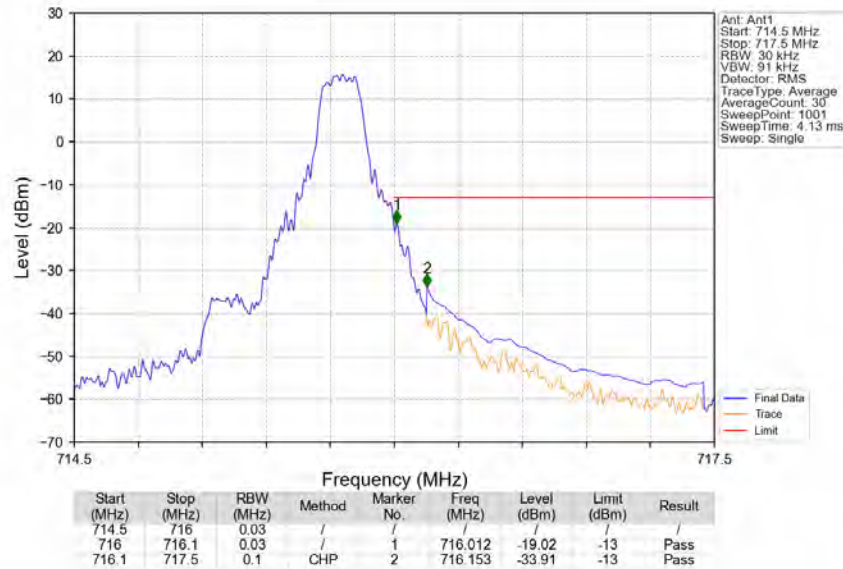
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Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



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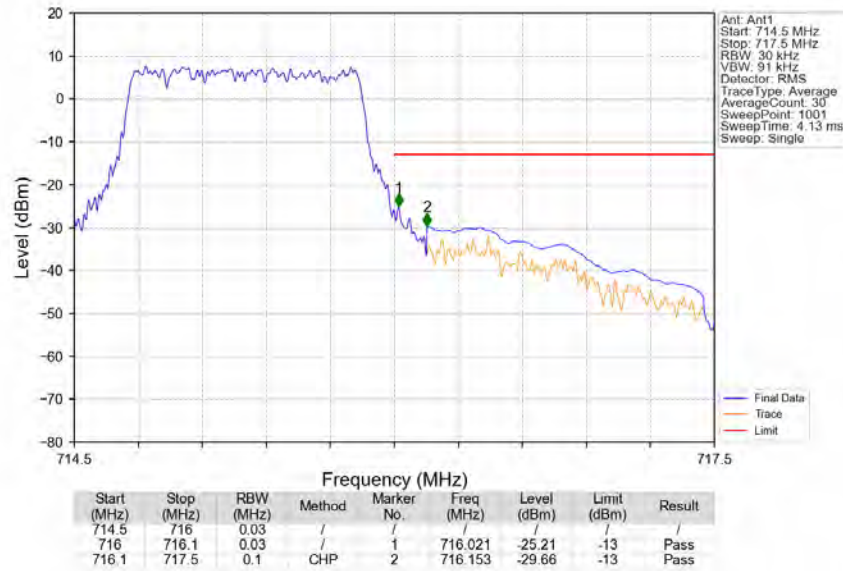


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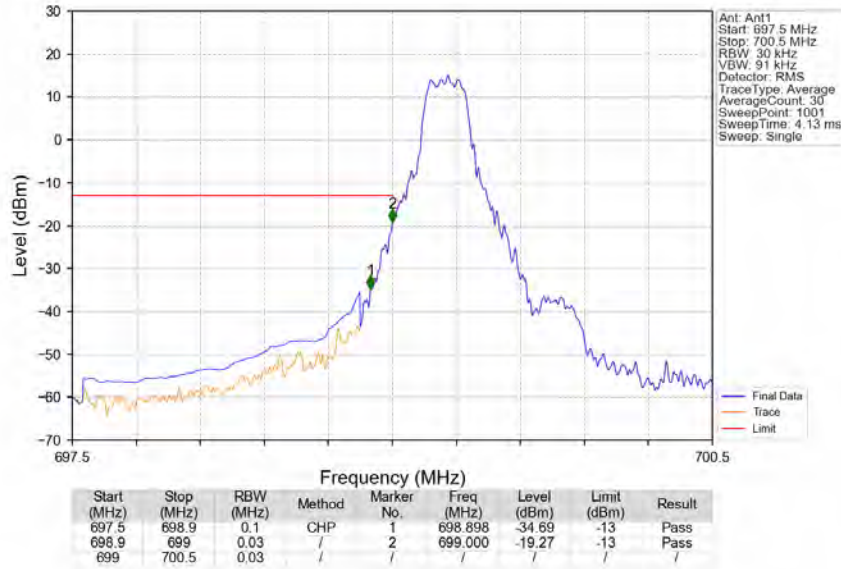
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Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV



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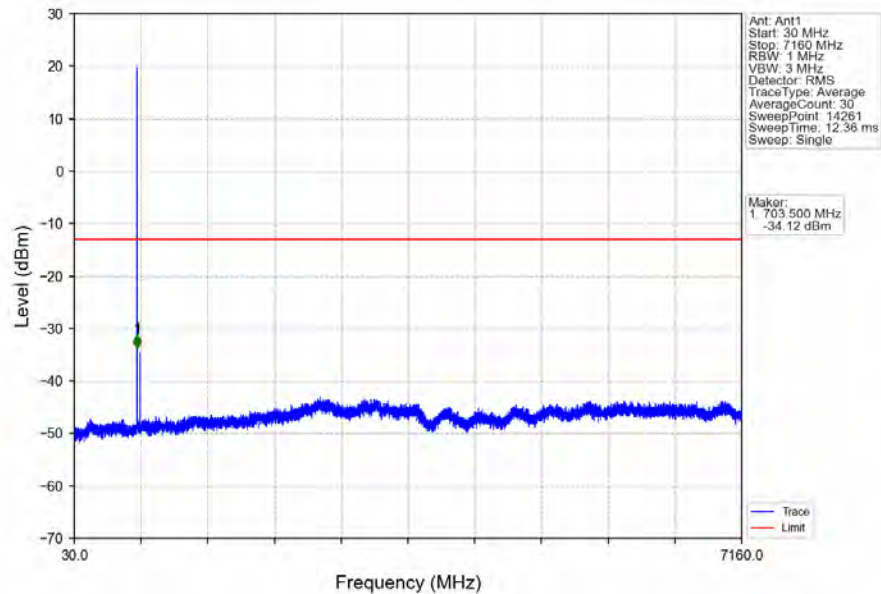


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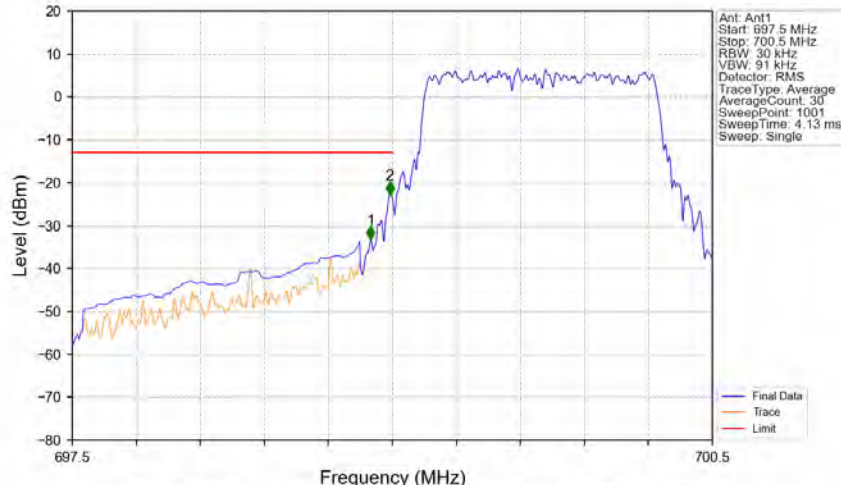
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Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.898	-33.20	-13	Pass
698.9	699	0.03	/	2	698.988	-22.76	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



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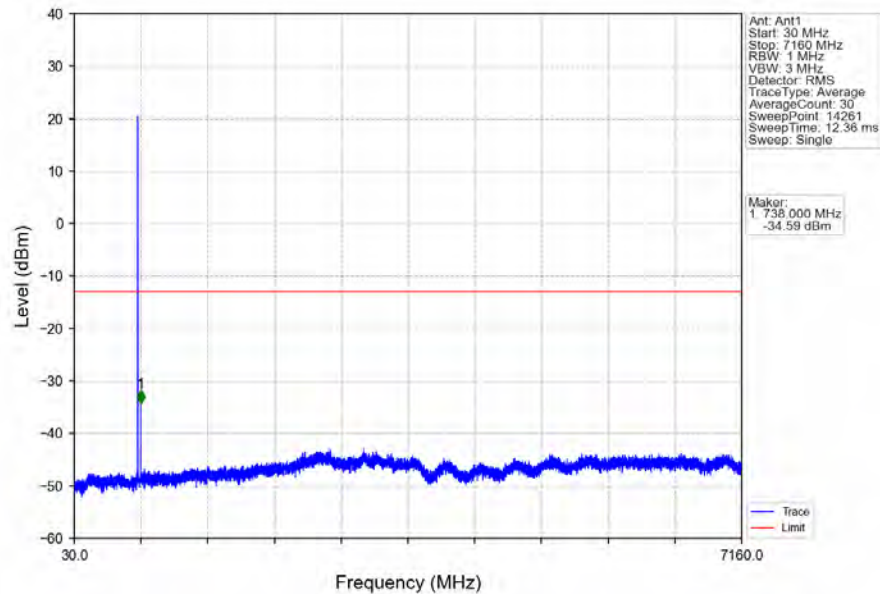


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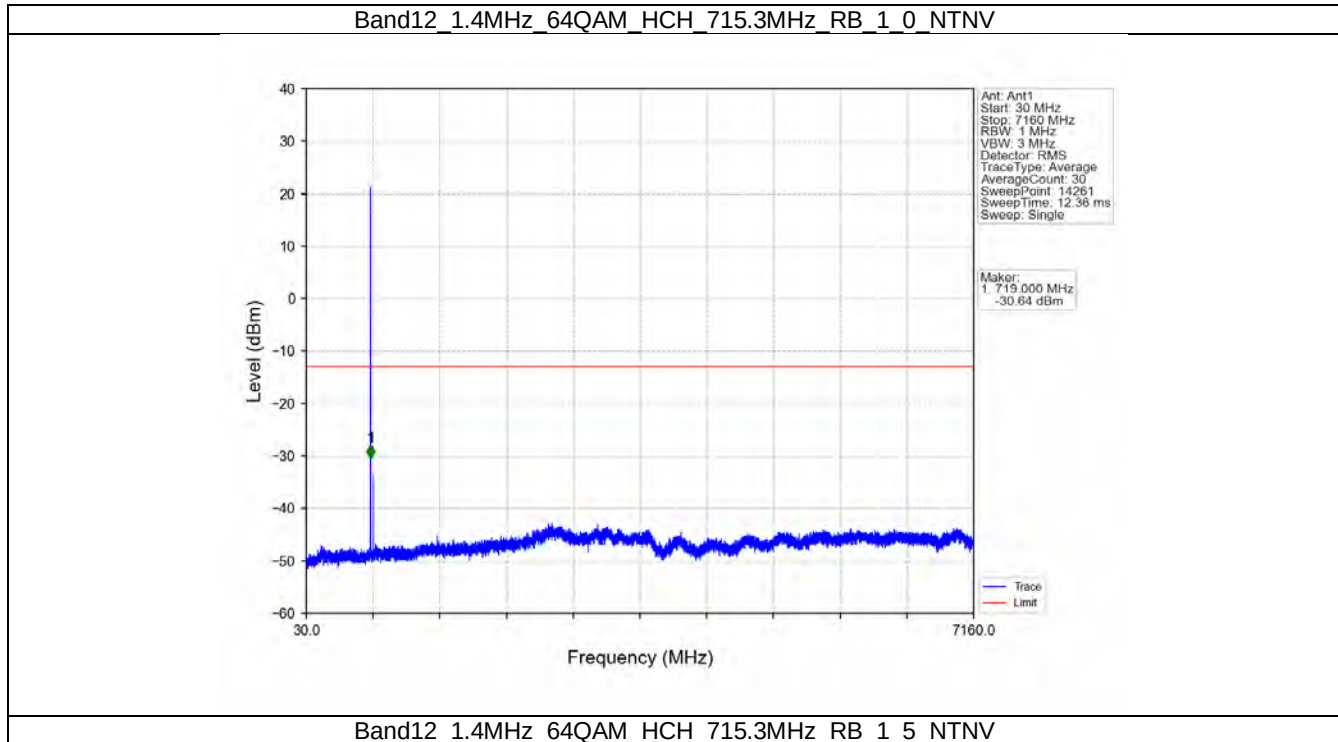


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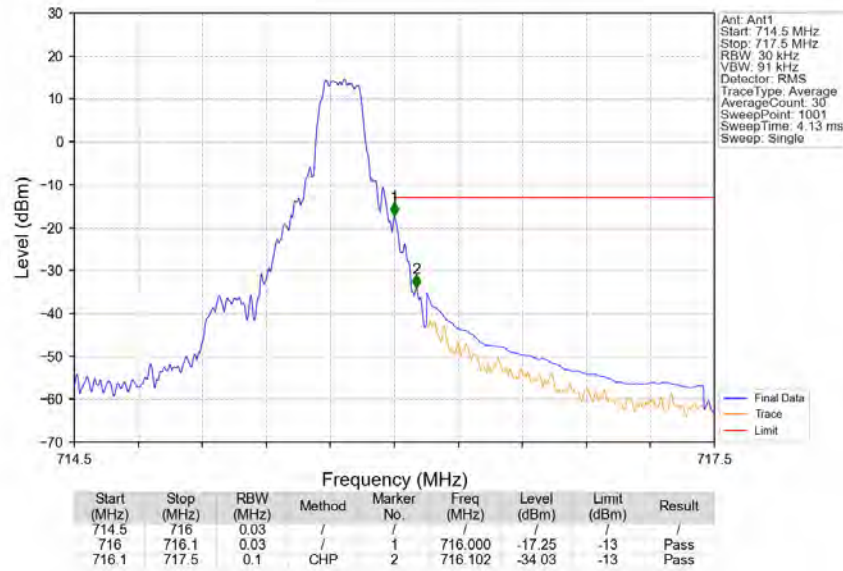


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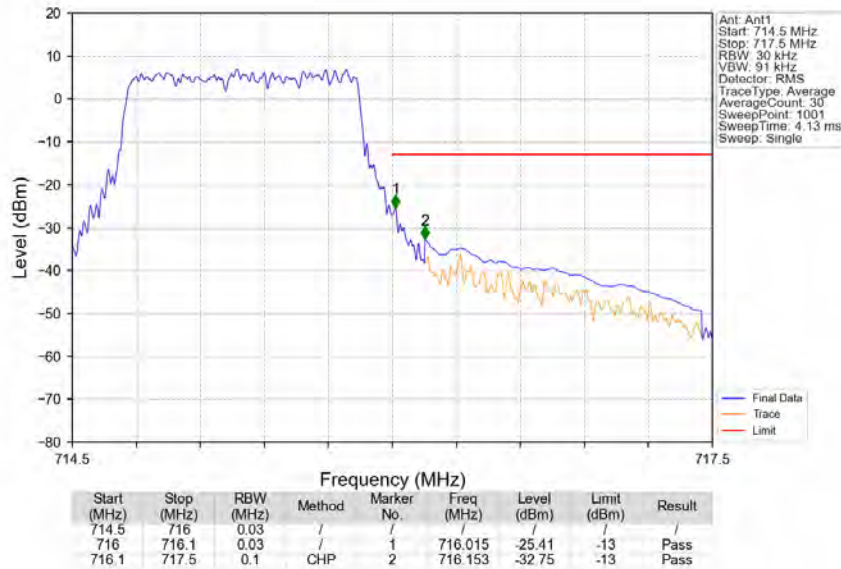
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Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



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5.2 B12_3MHz

5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	714.5	1	0	Refer To Test Graph	Pass
		1	14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
16QAM	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	714.5	1	0	Refer To Test Graph	Pass
		1	14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
64QAM	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	714.5	1	0	Refer To Test Graph	Pass
		1	14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass



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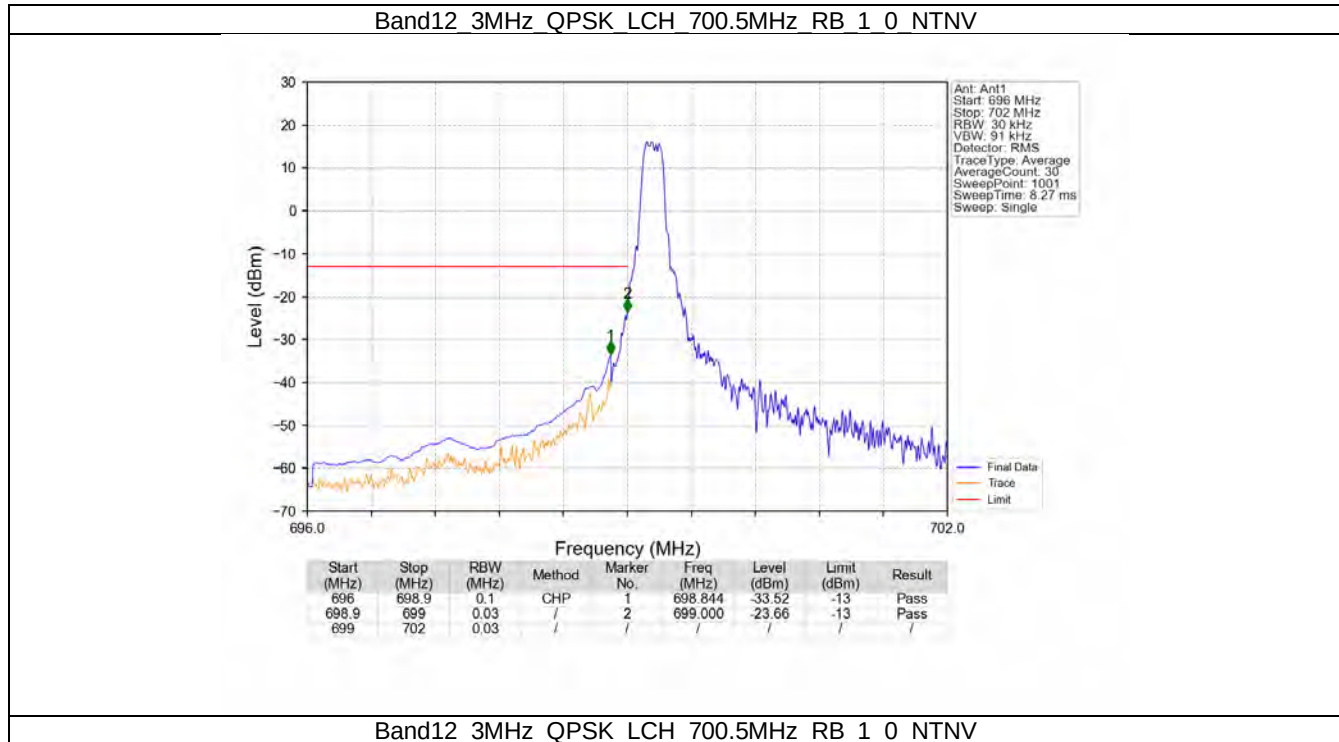
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5.2.2 Test Graph



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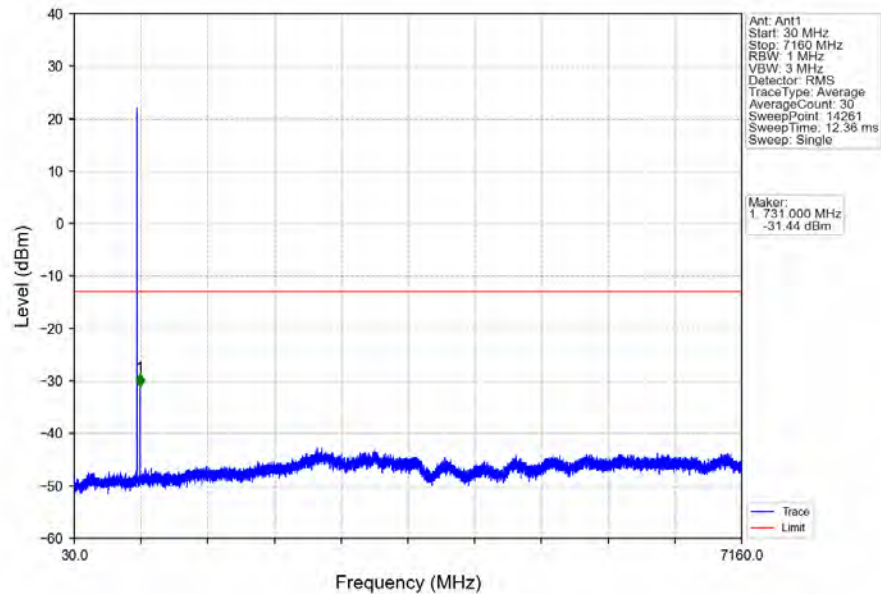


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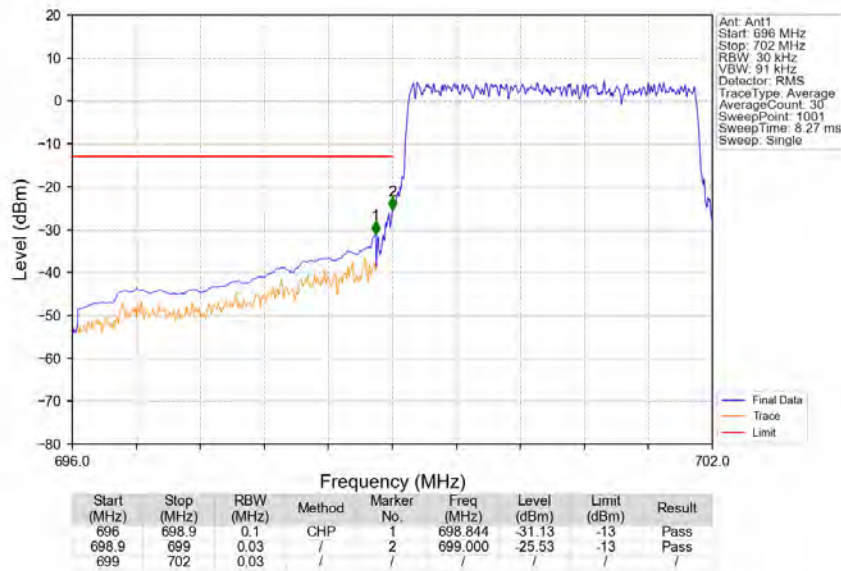
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Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



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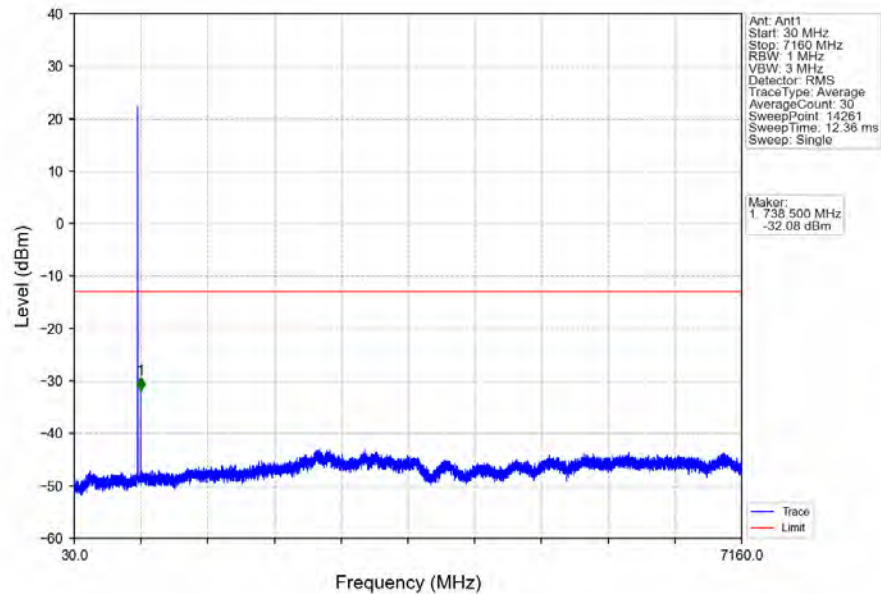


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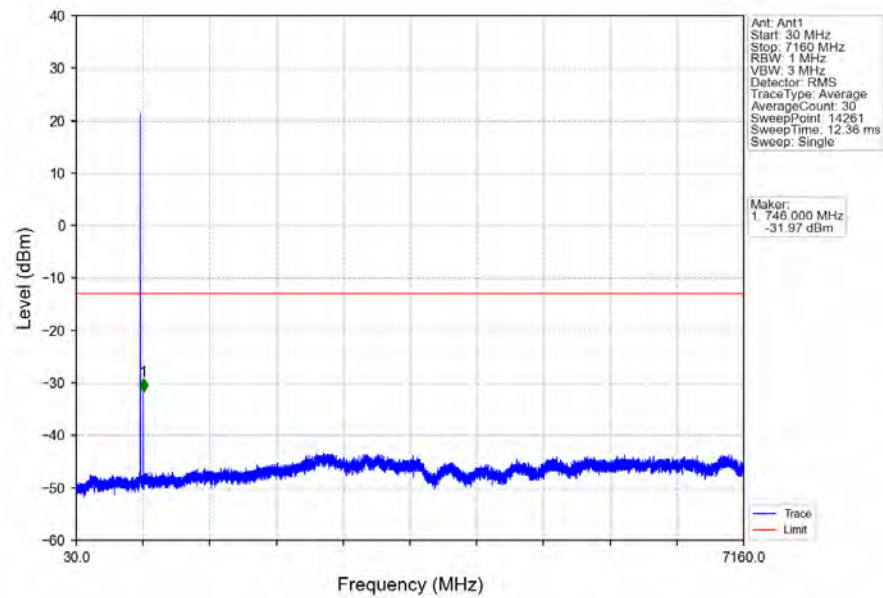
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Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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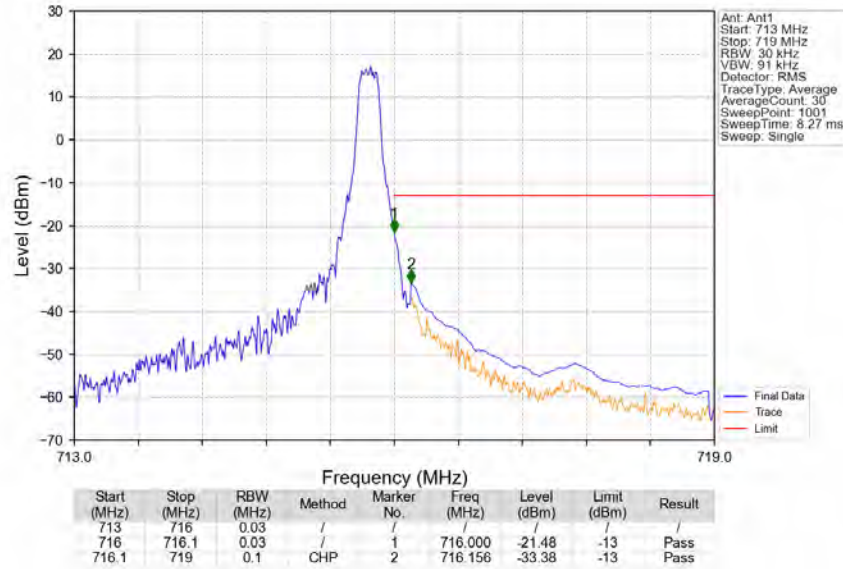


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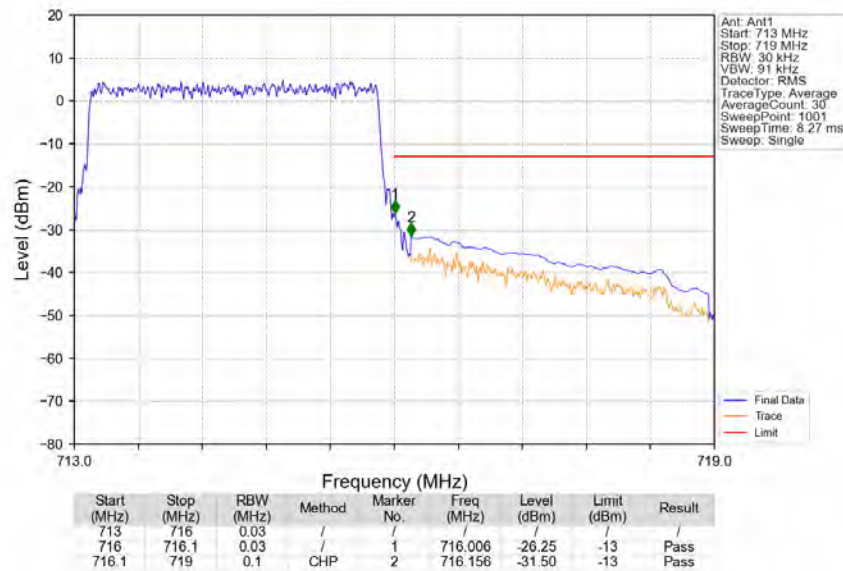
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Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



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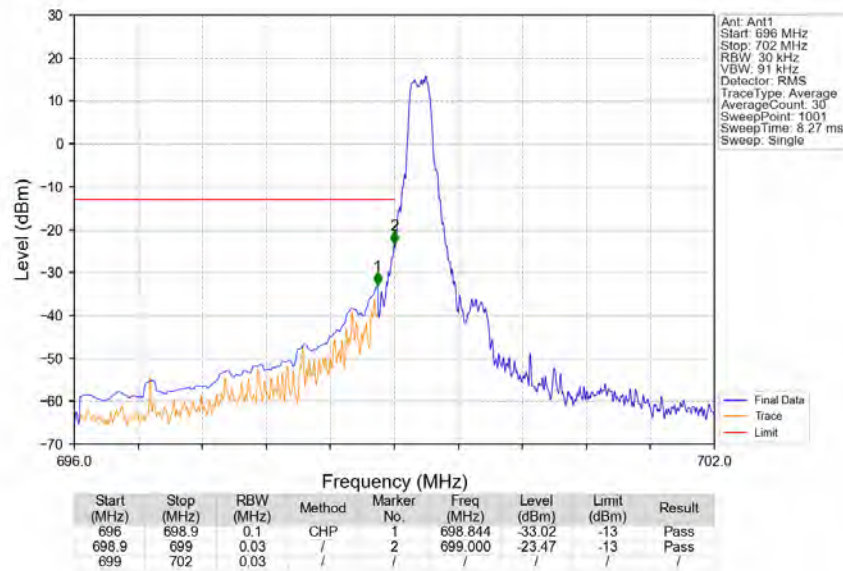


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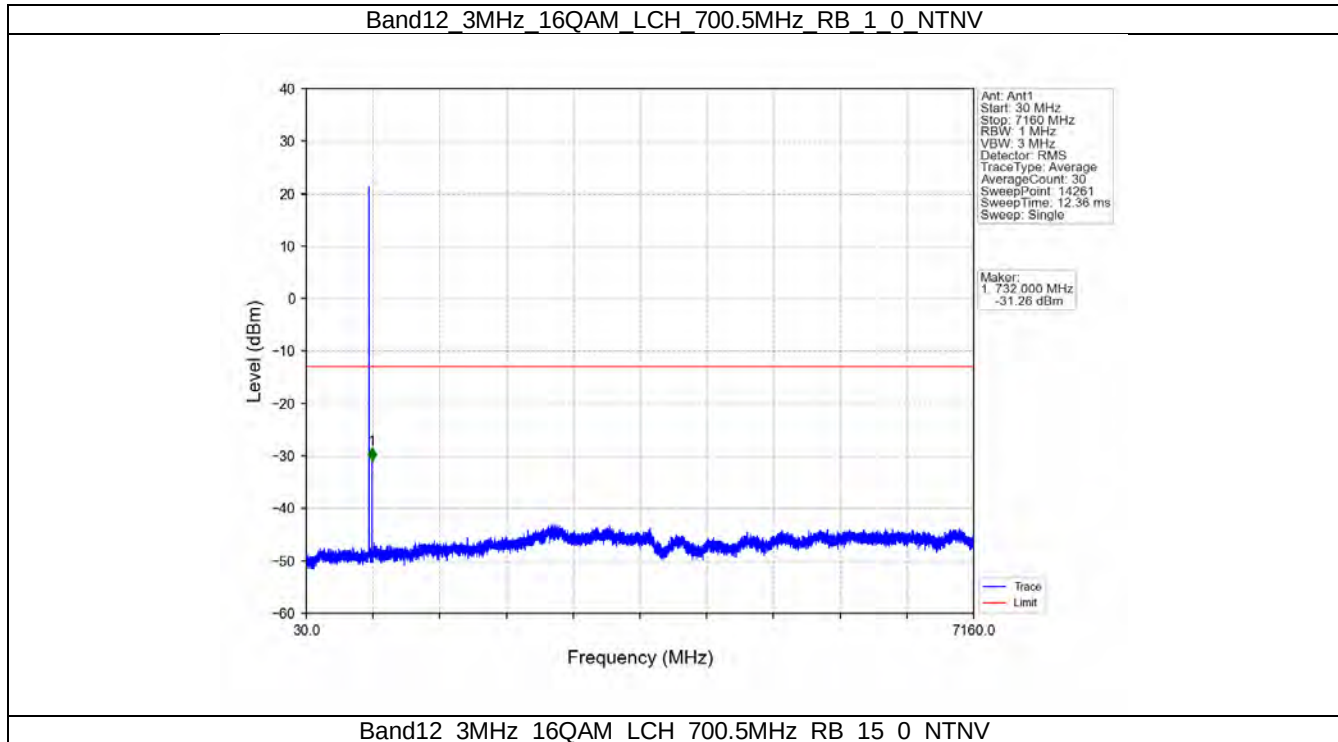


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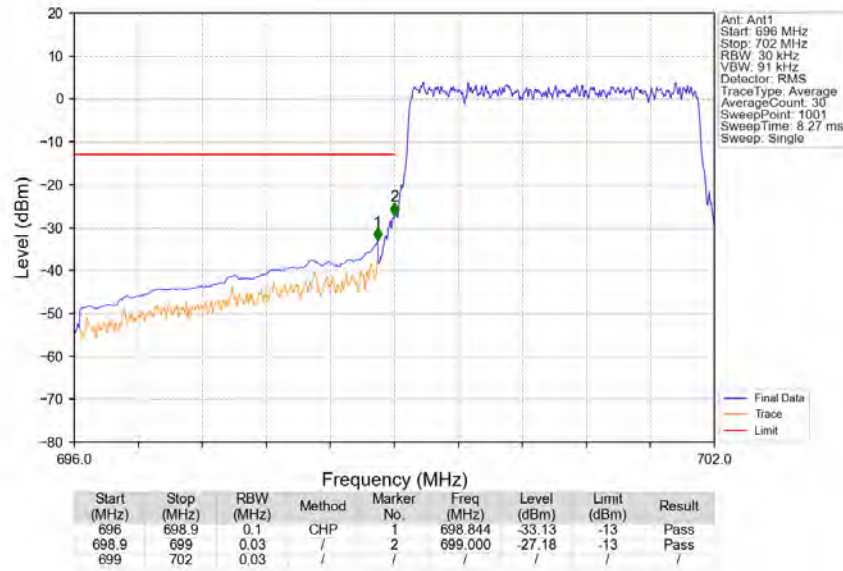


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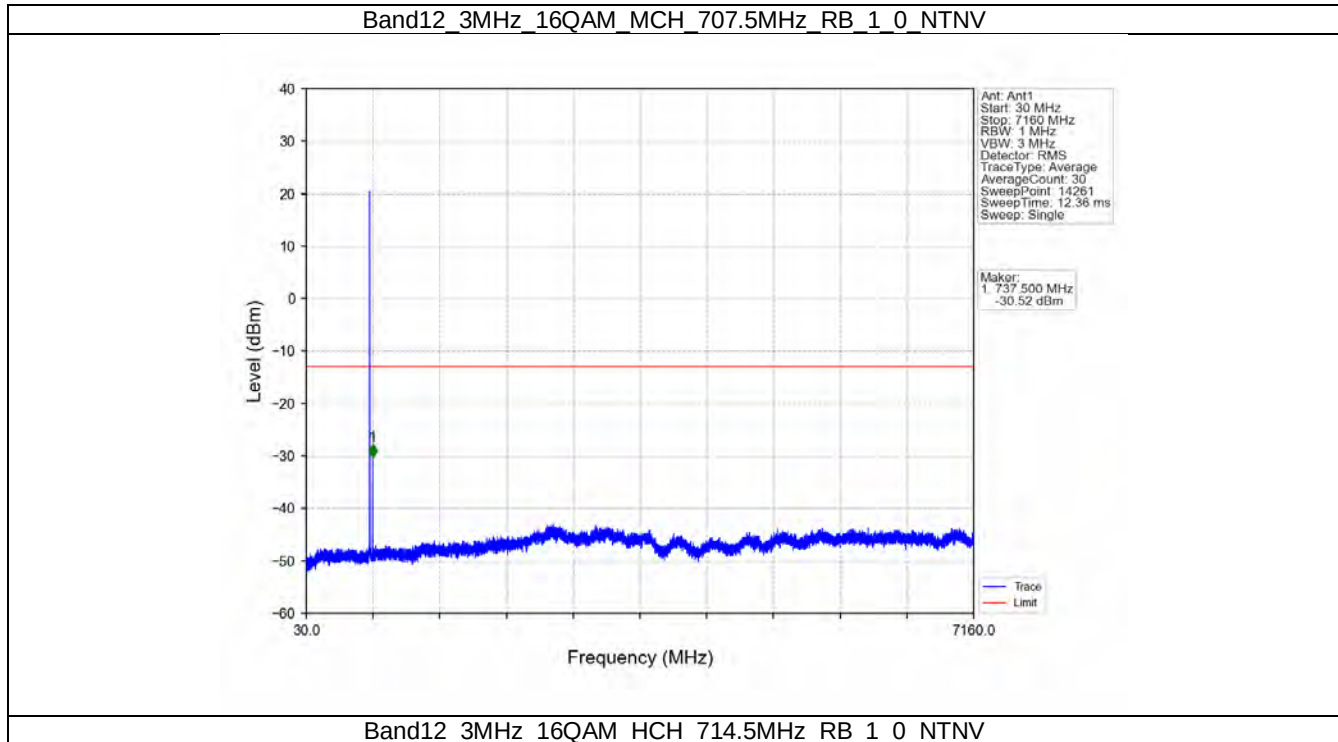


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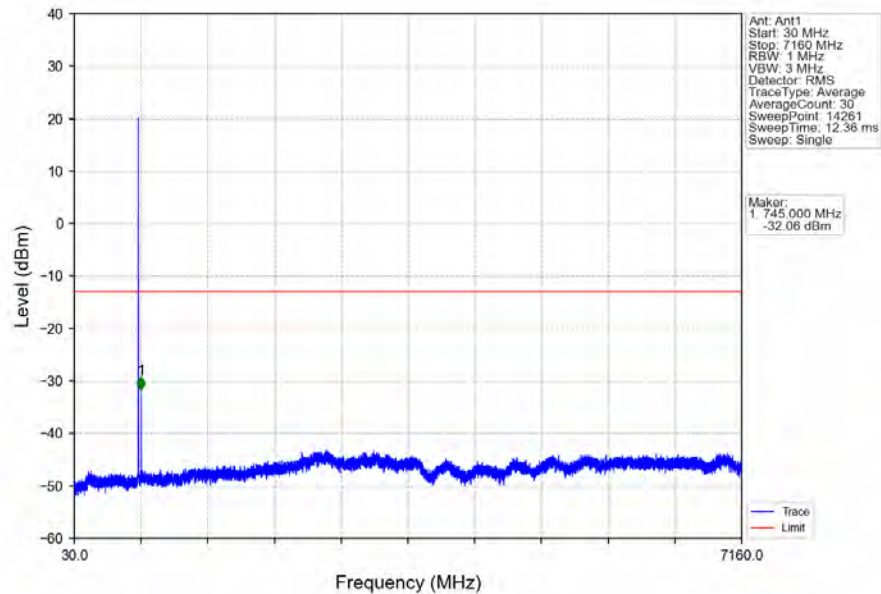


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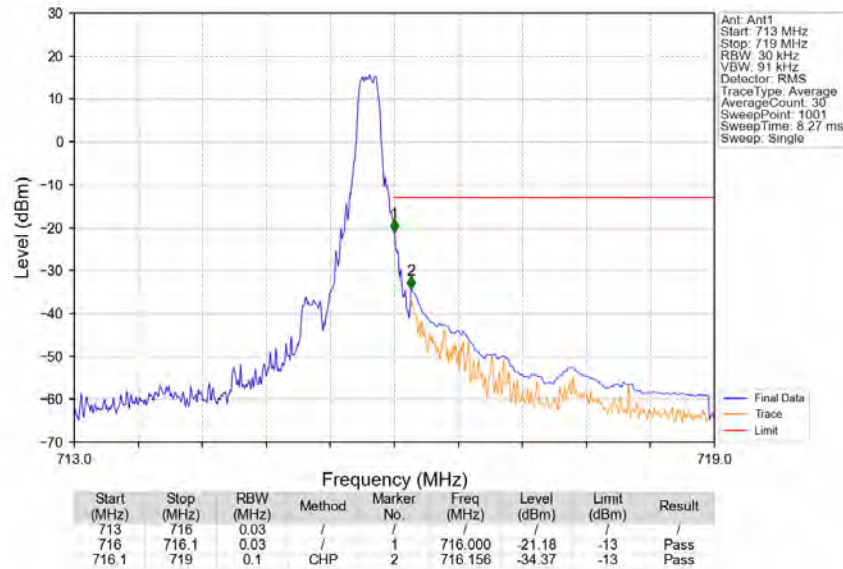
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Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



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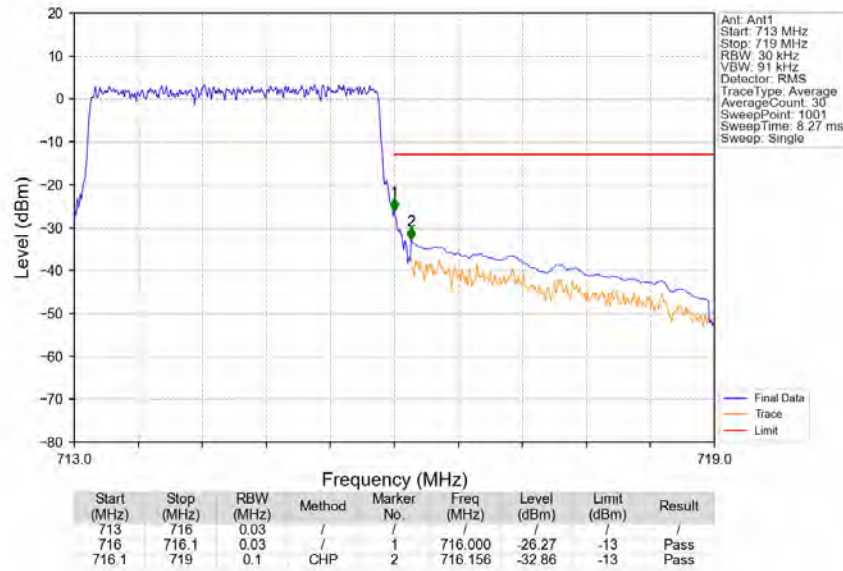


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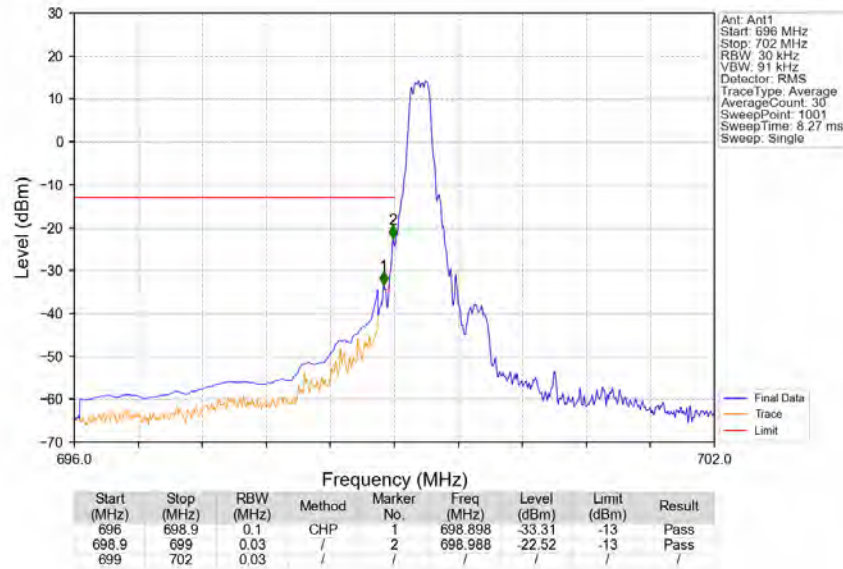
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Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV



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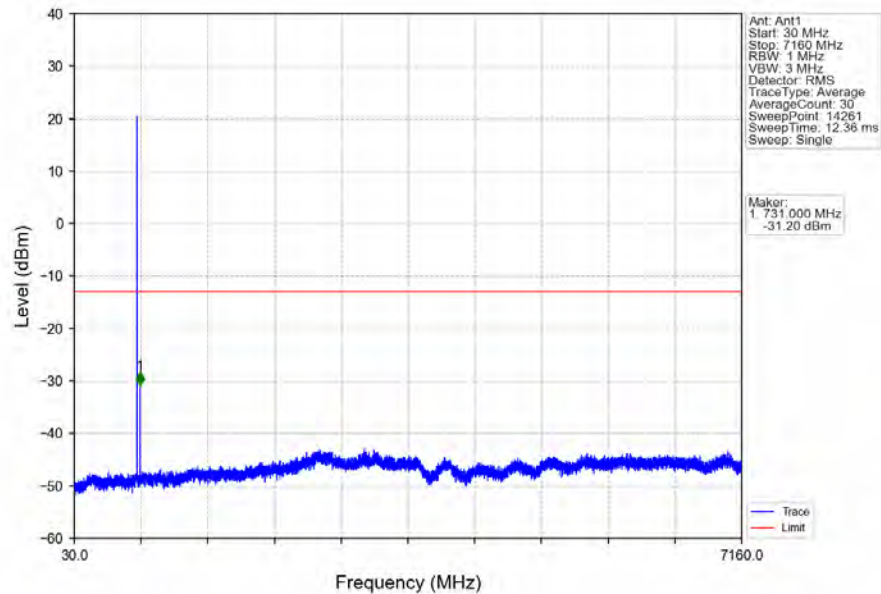


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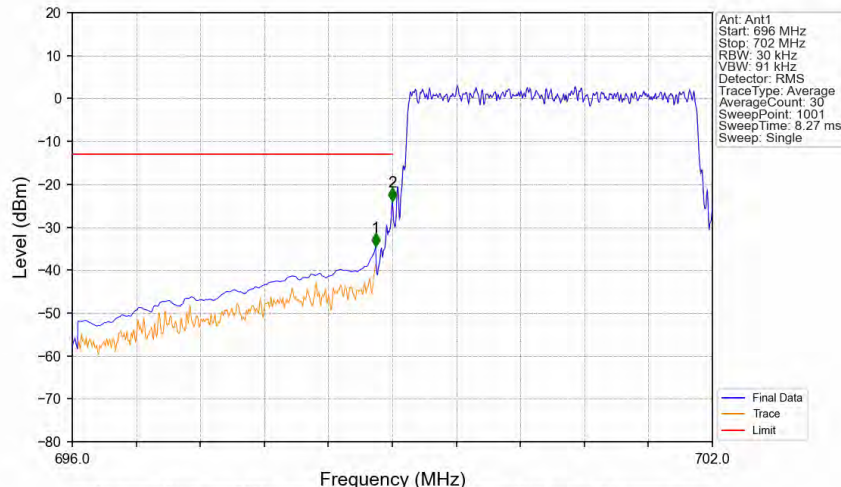
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-34.48	-13	Pass
698.9	699	0.03	/	2	699.000	-23.92	-13	Pass
699	702	0.03	/	/	/	/	/	/

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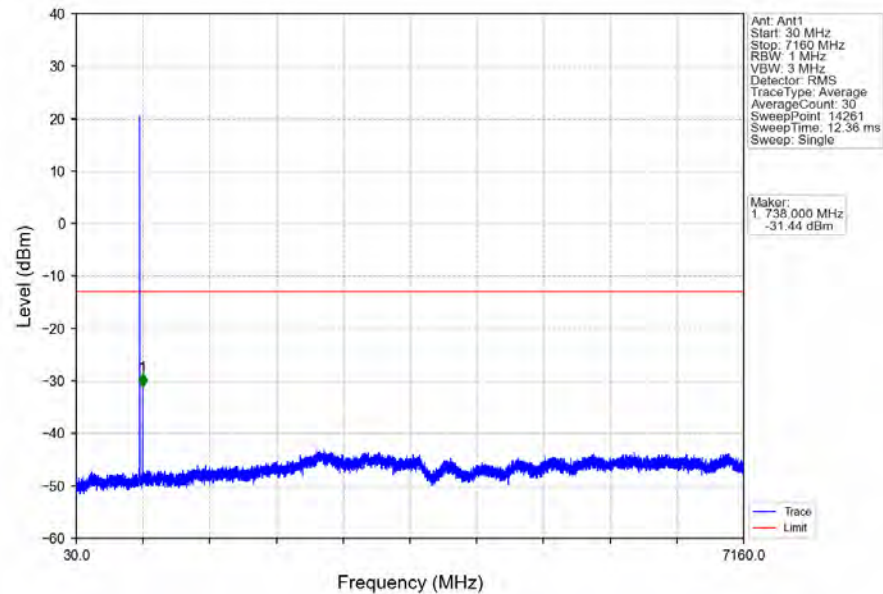


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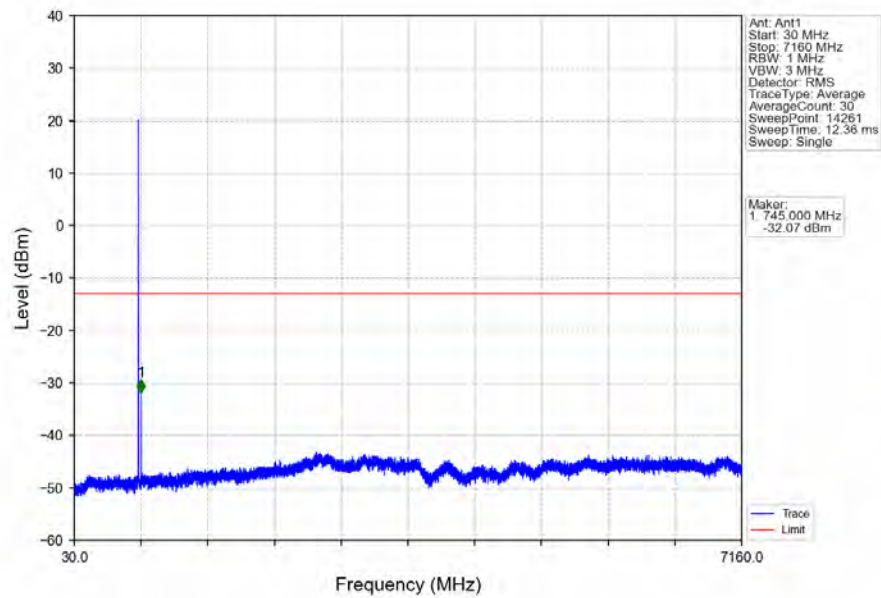
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Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_14_NTNV



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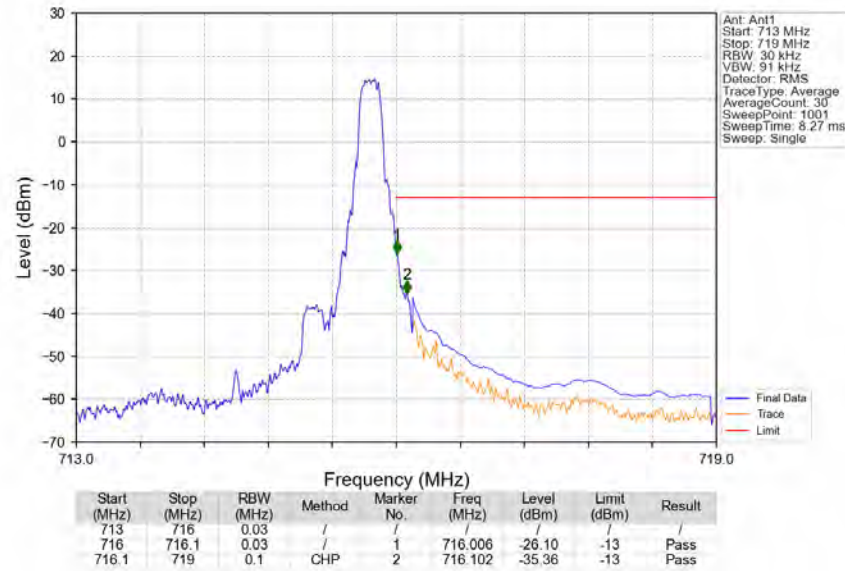


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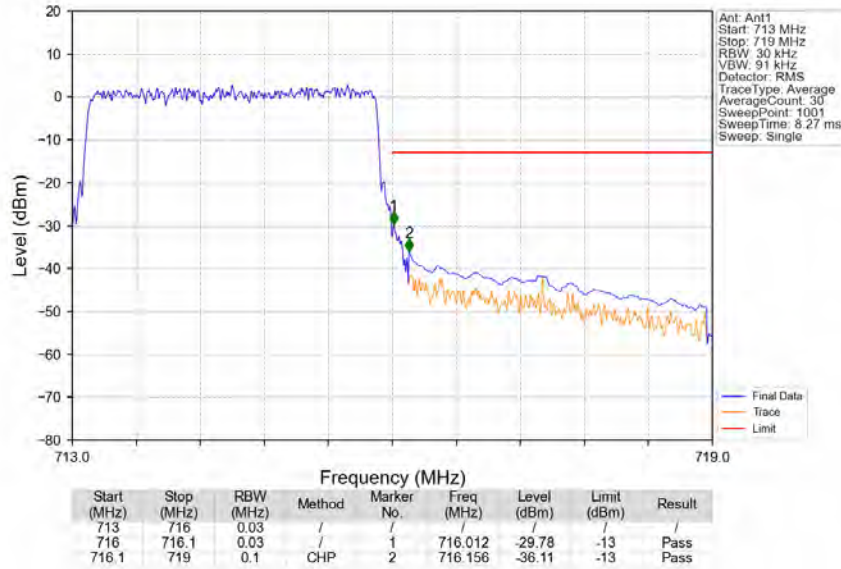
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Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



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5.3 B12_5MHz

5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
		1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
		1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
64QAM	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
		1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass



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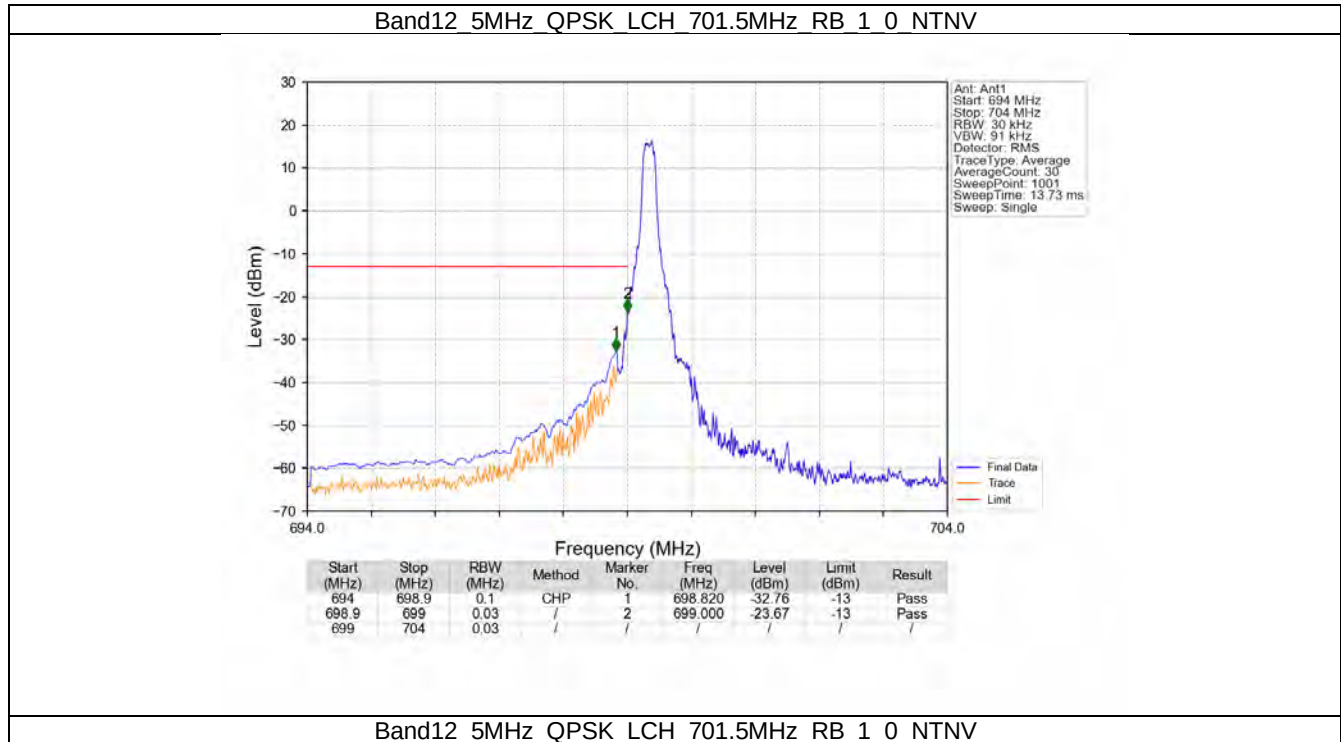
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5.3.2 Test Graph



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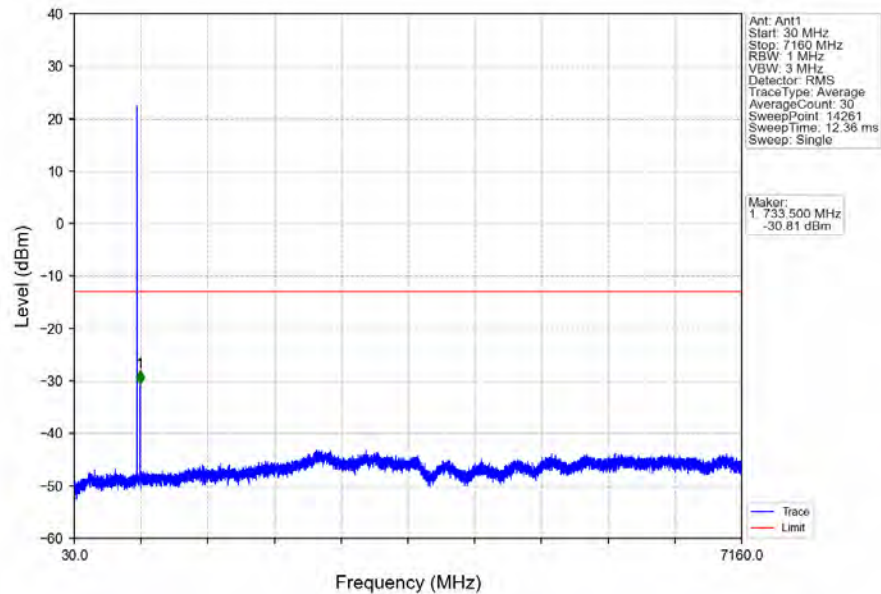


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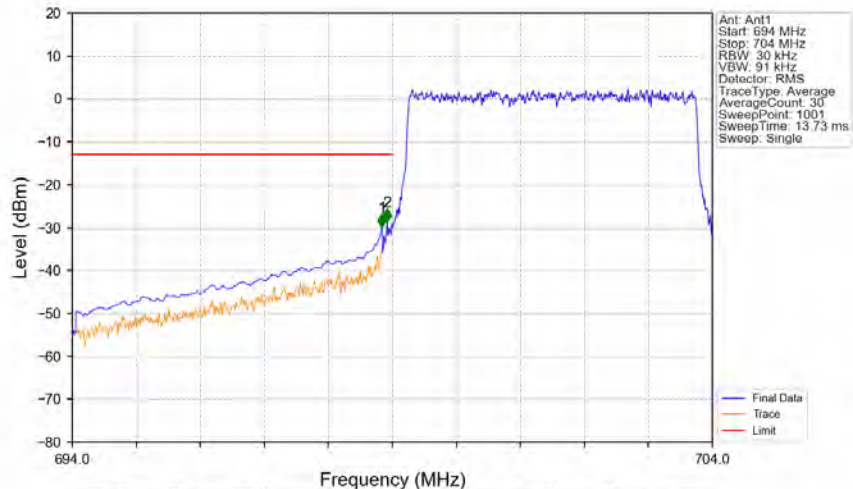
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Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-29.85	-13	Pass
698.9	699	0.03	/	2	698.920	-28.62	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



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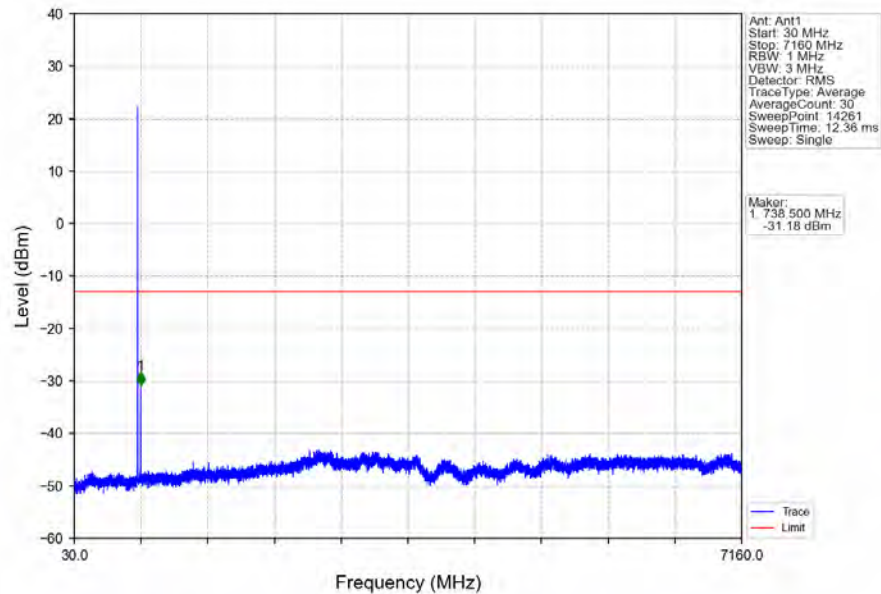


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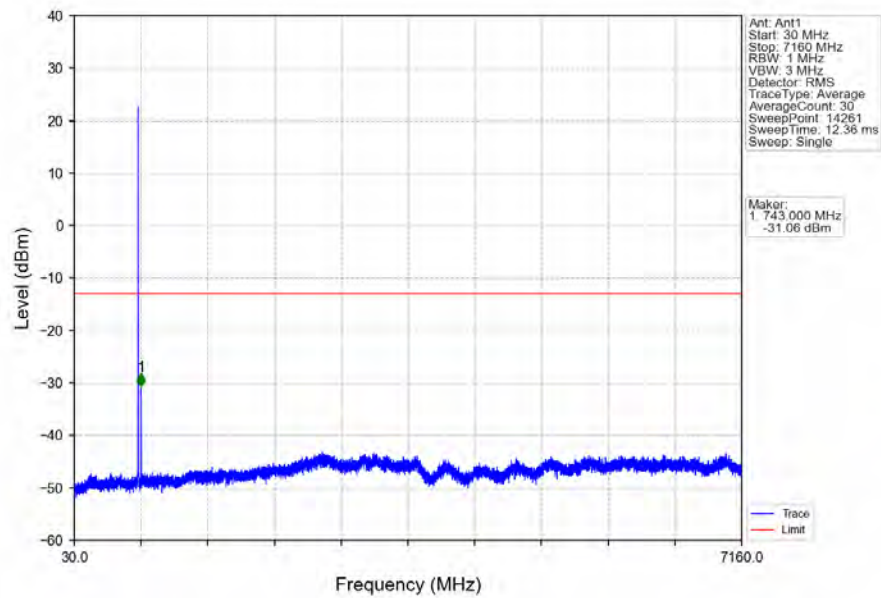
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Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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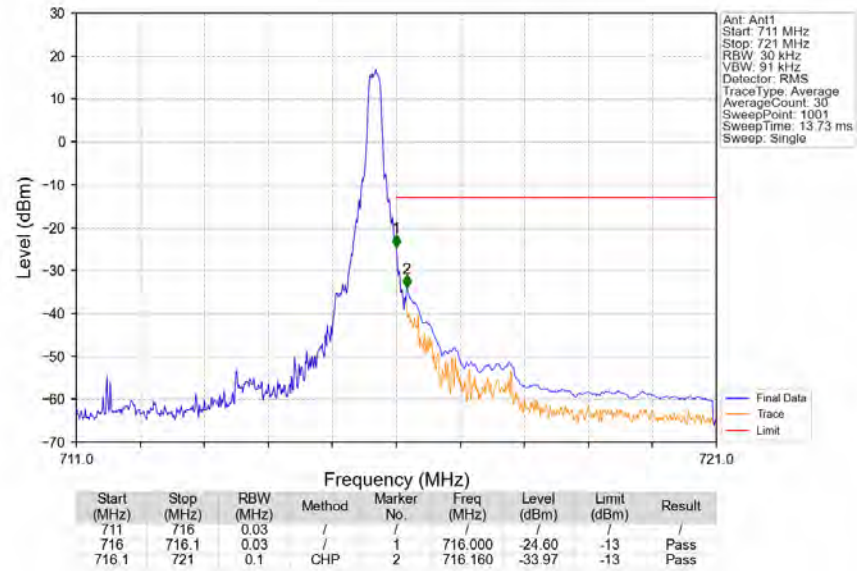


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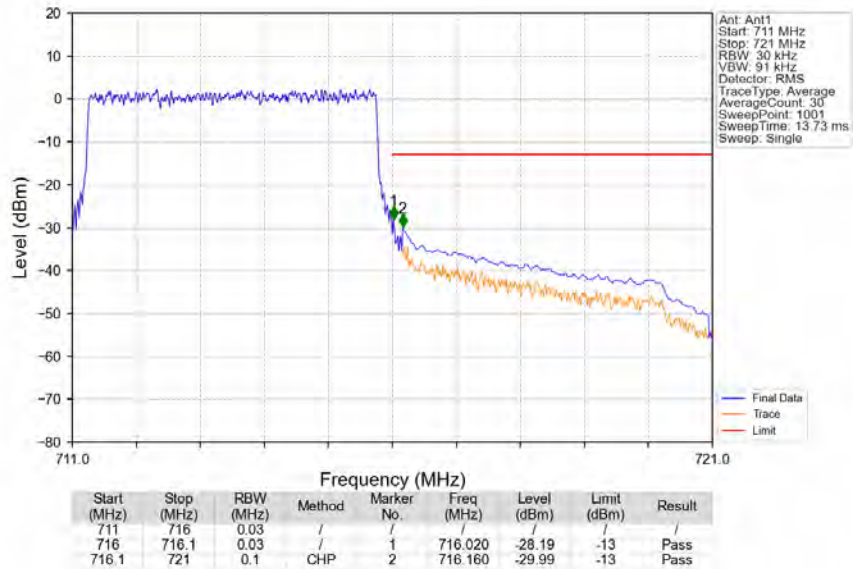
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Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



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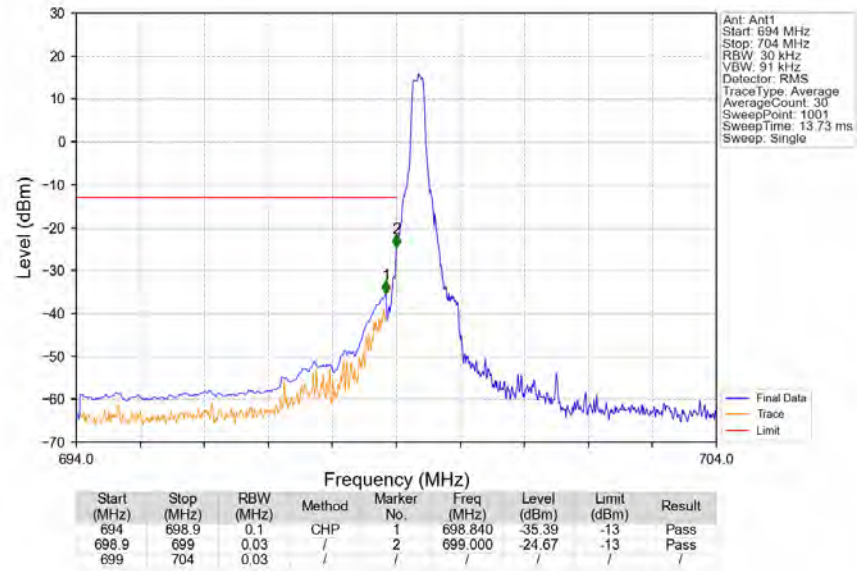


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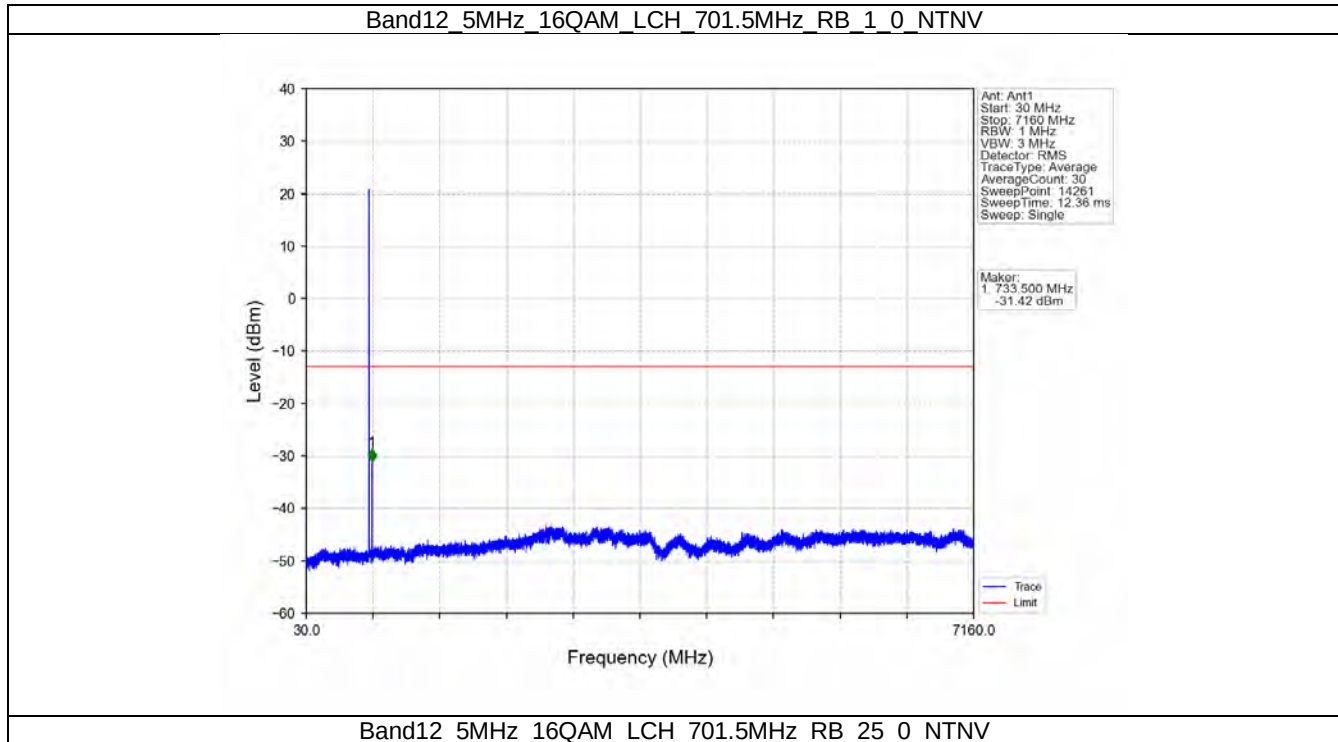


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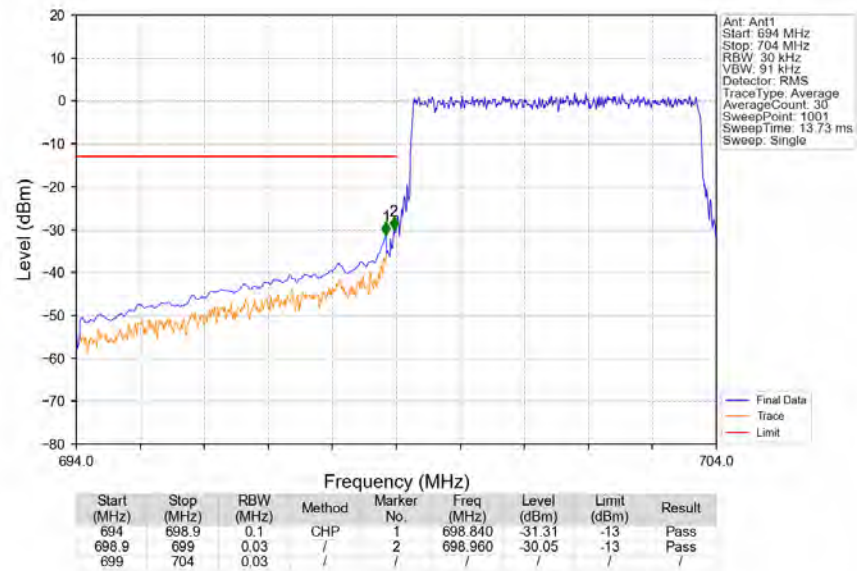


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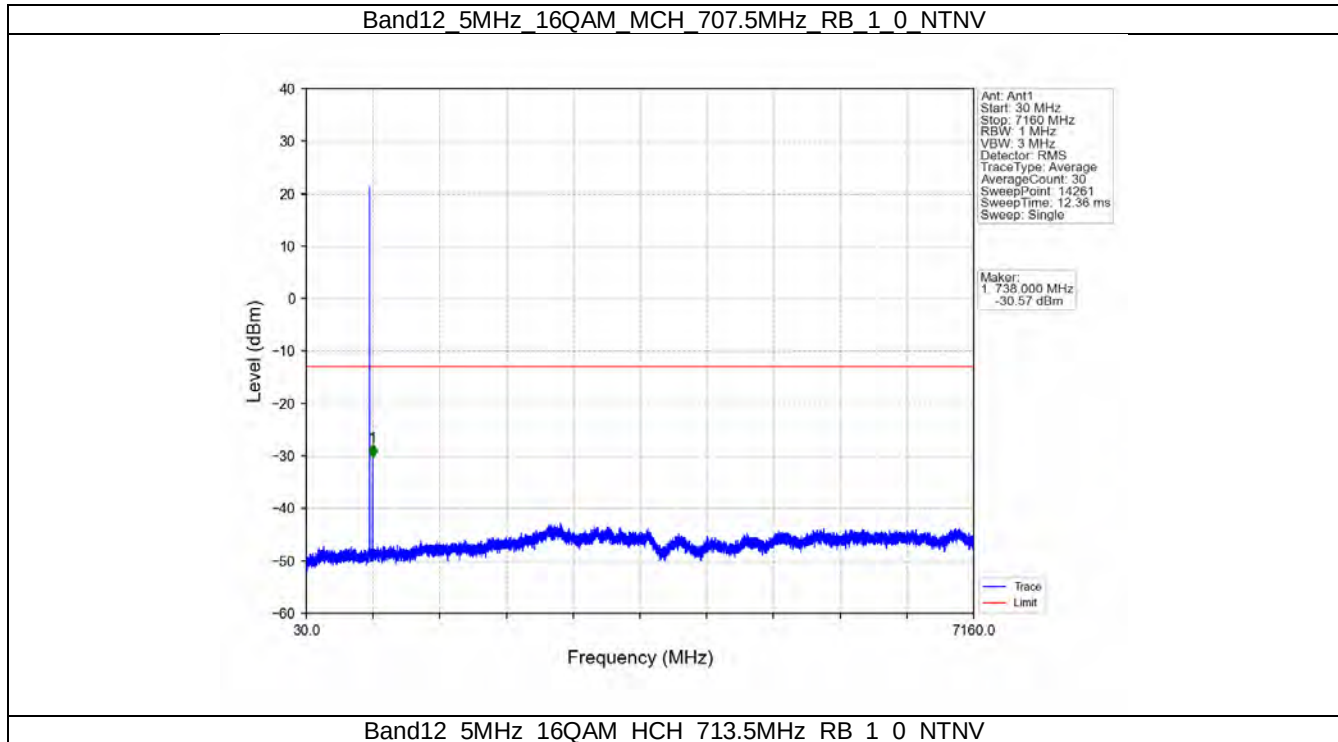


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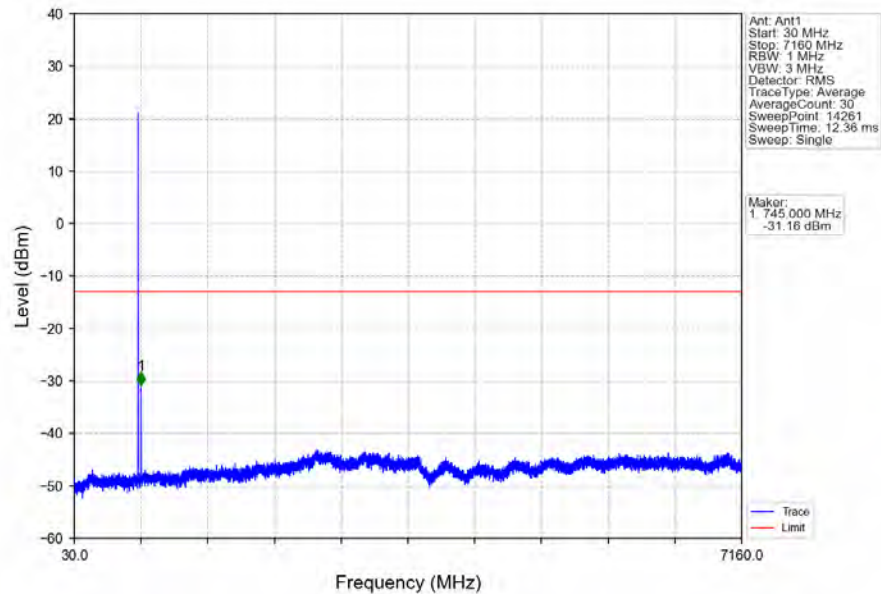


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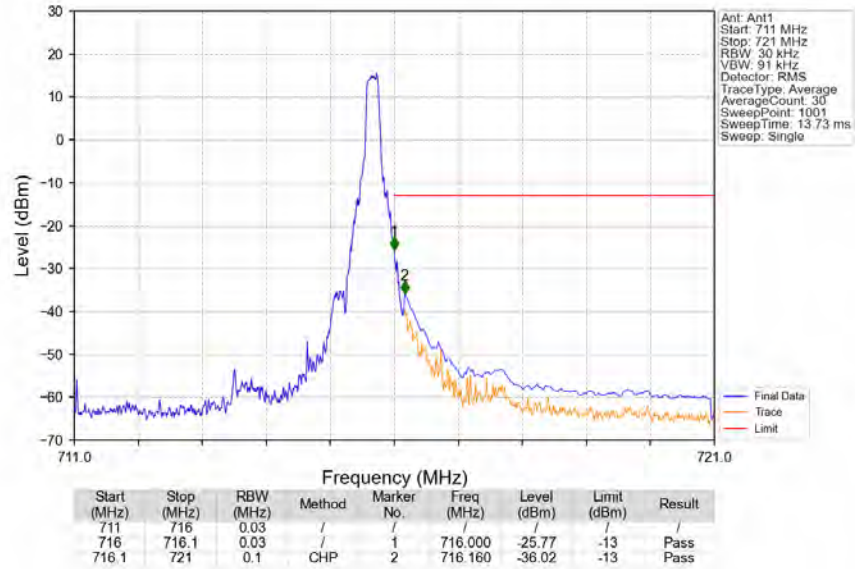
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Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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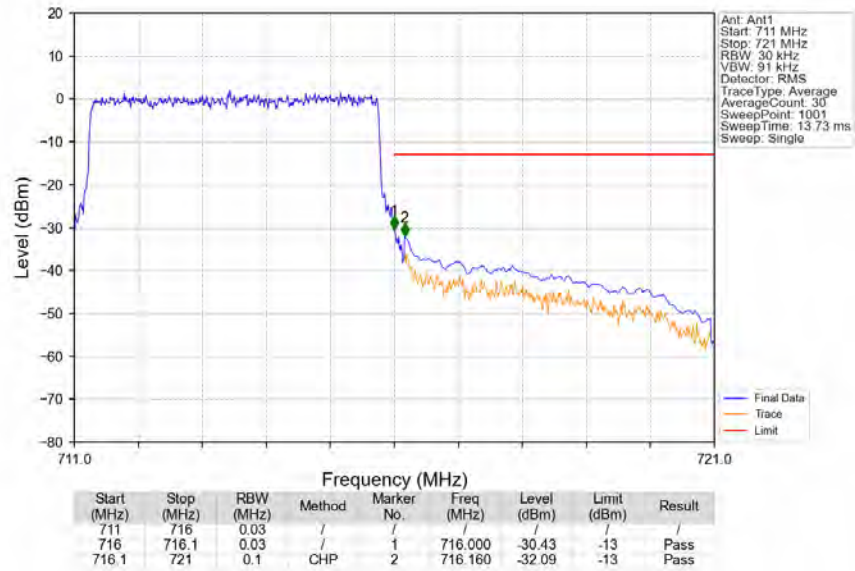


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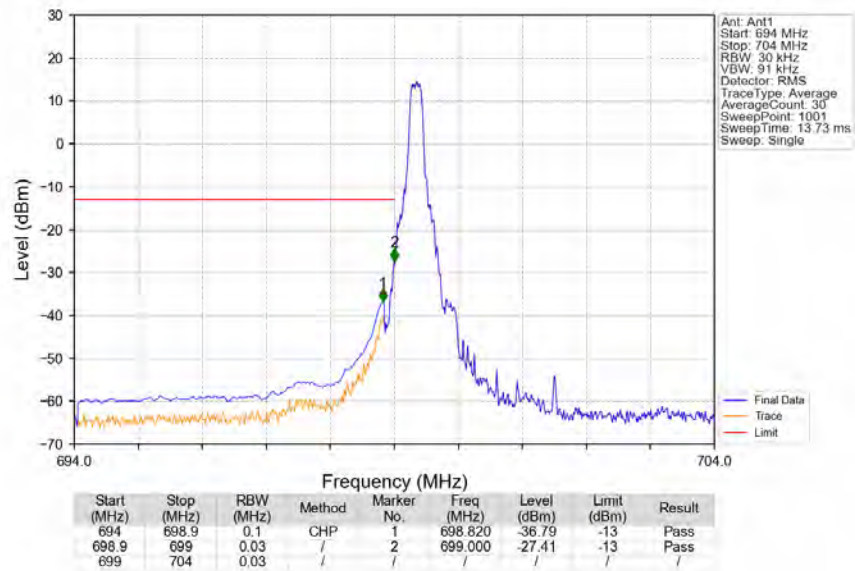
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Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV



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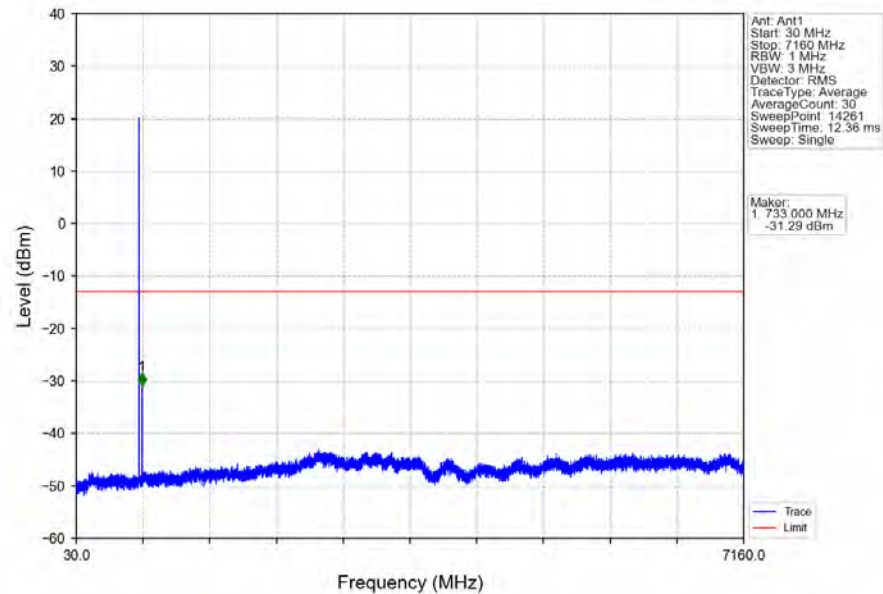


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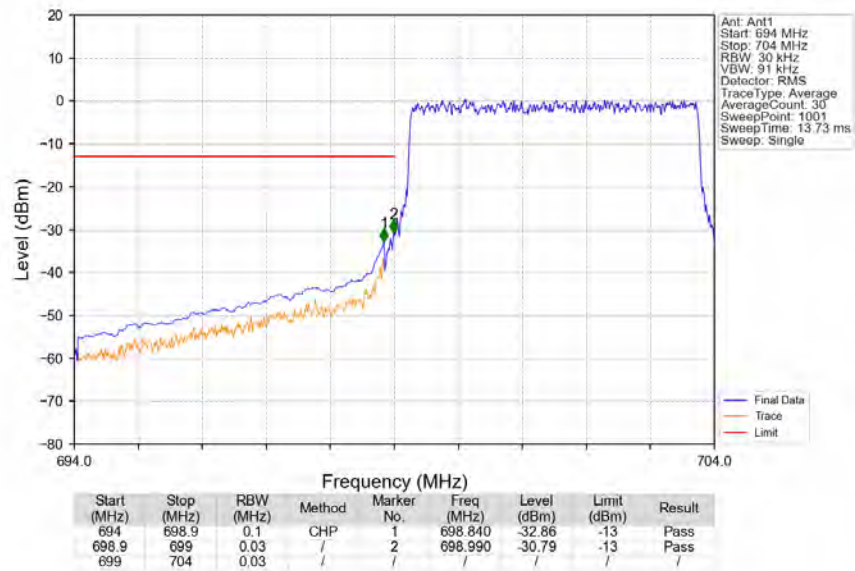
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Band12_5MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



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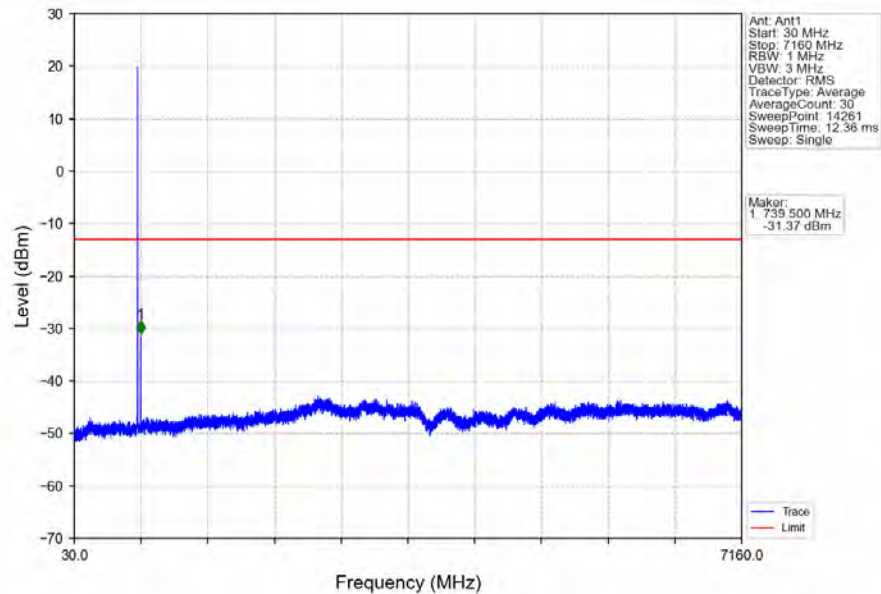


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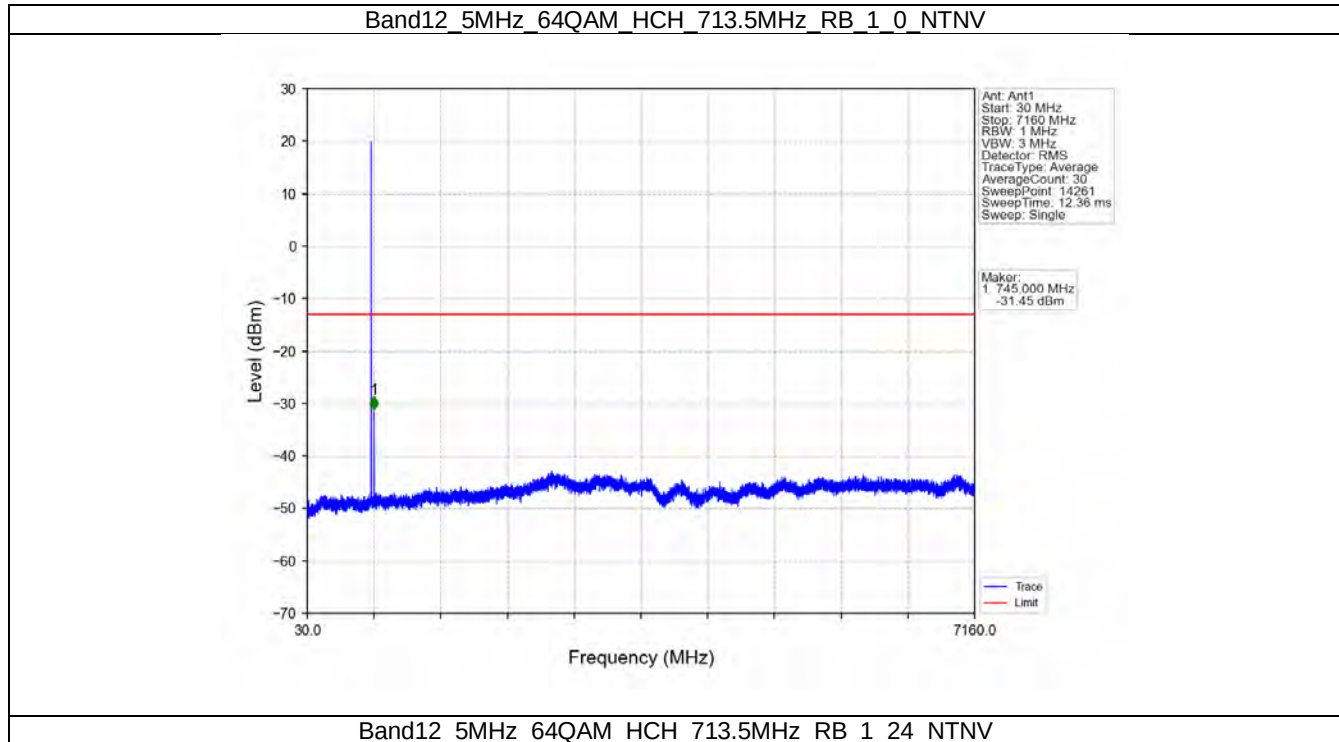


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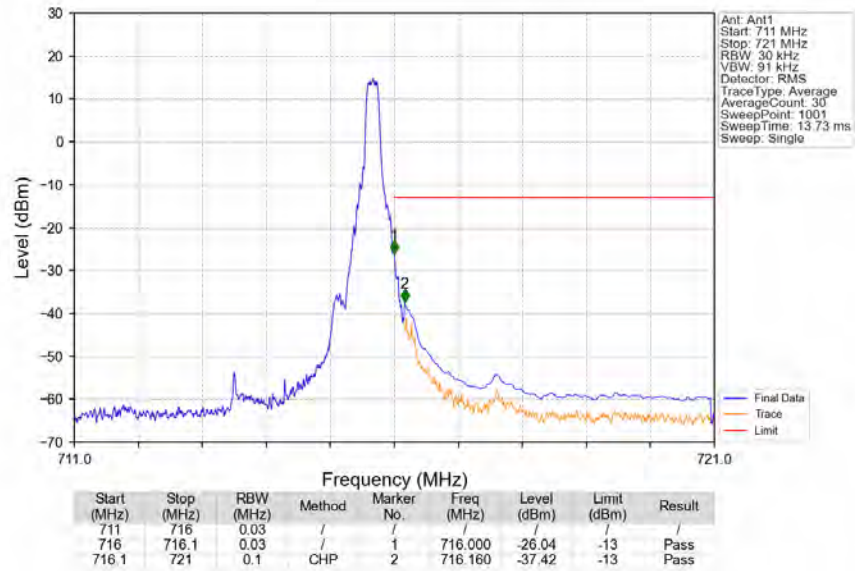


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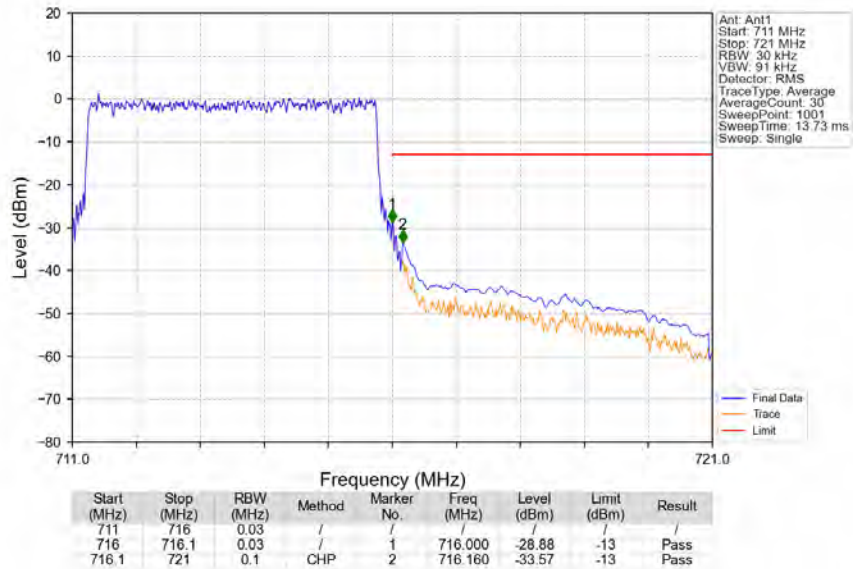
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Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



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5.4 B12_10MHz

5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
64QAM	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



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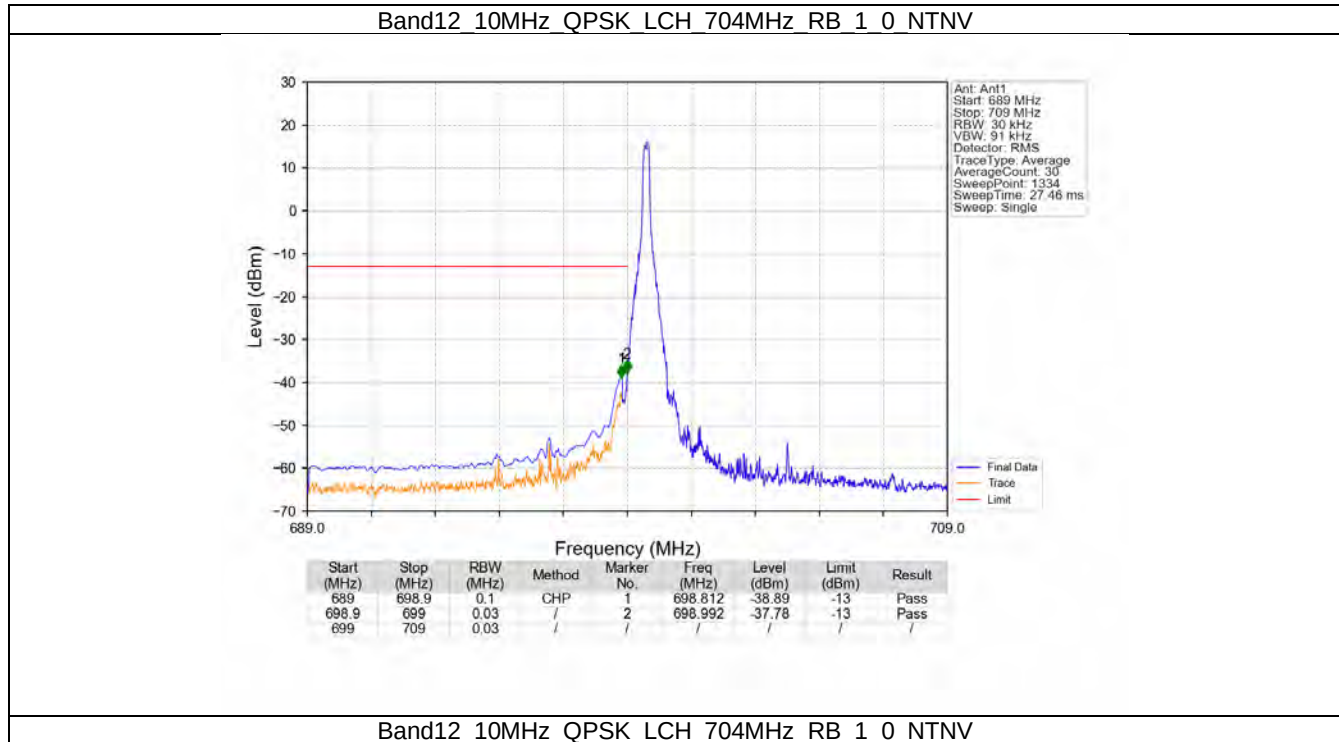
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5.4.2 Test Graph



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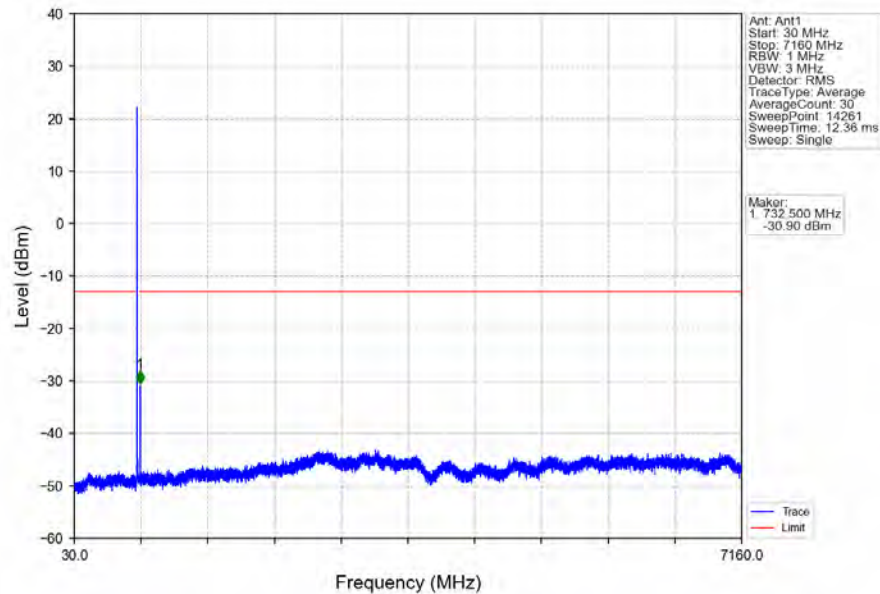


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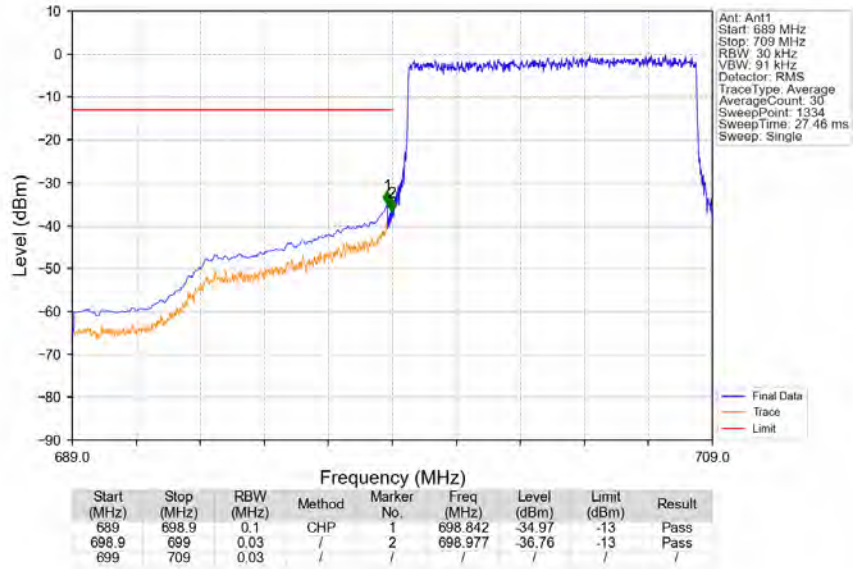
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Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



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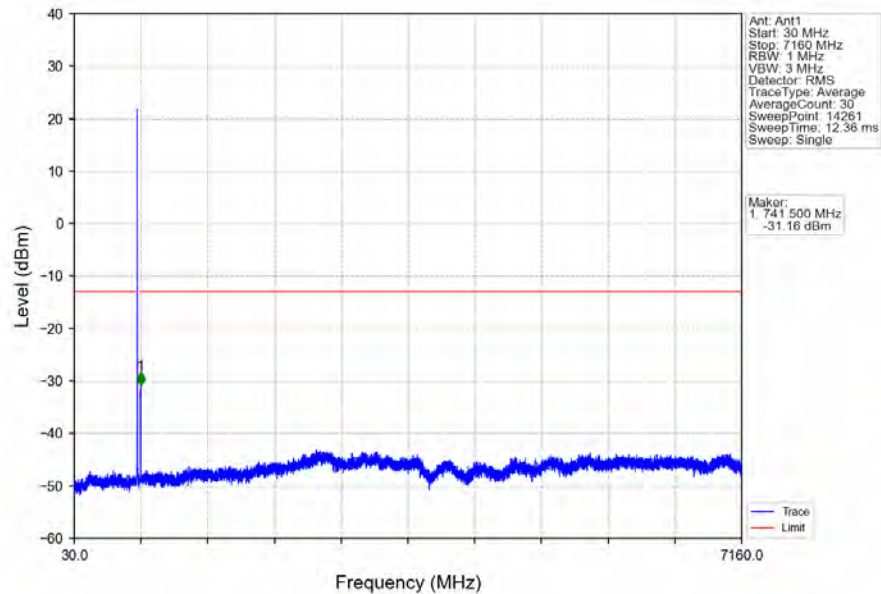


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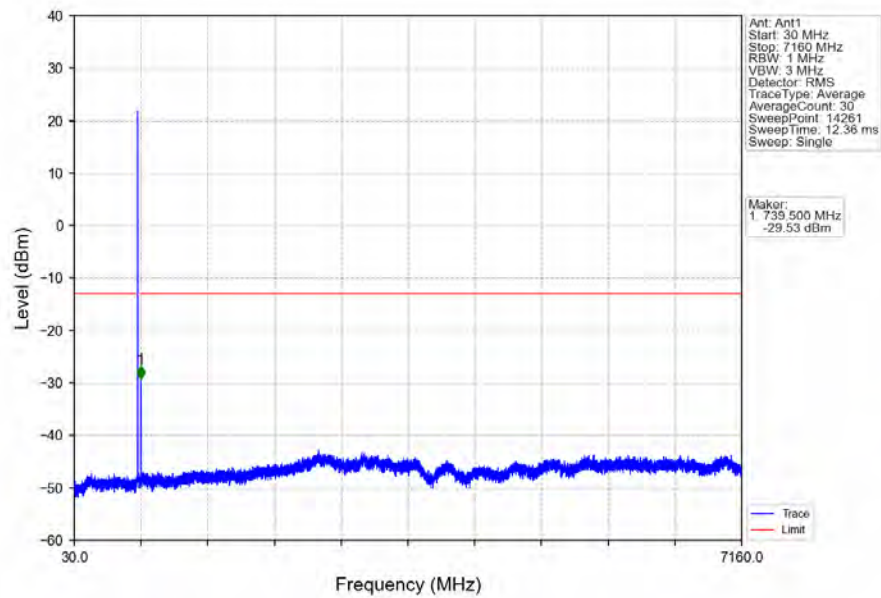
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Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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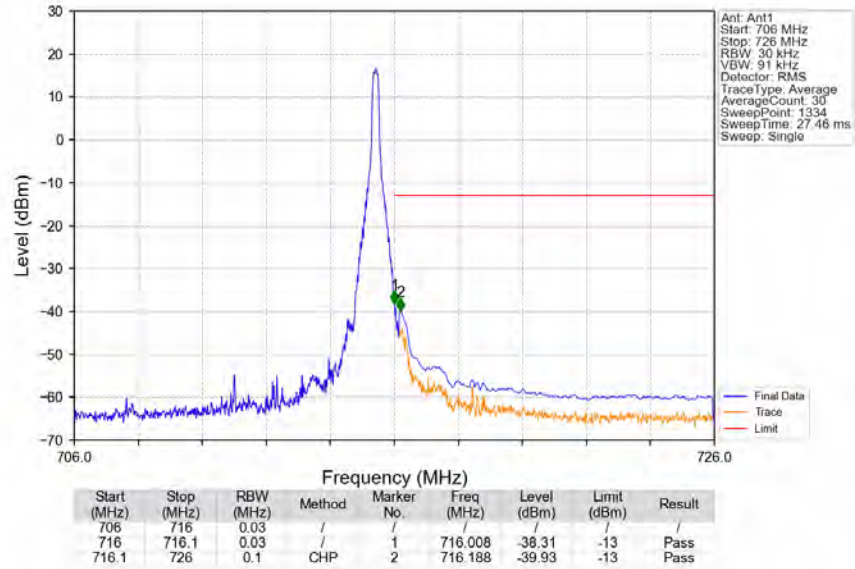


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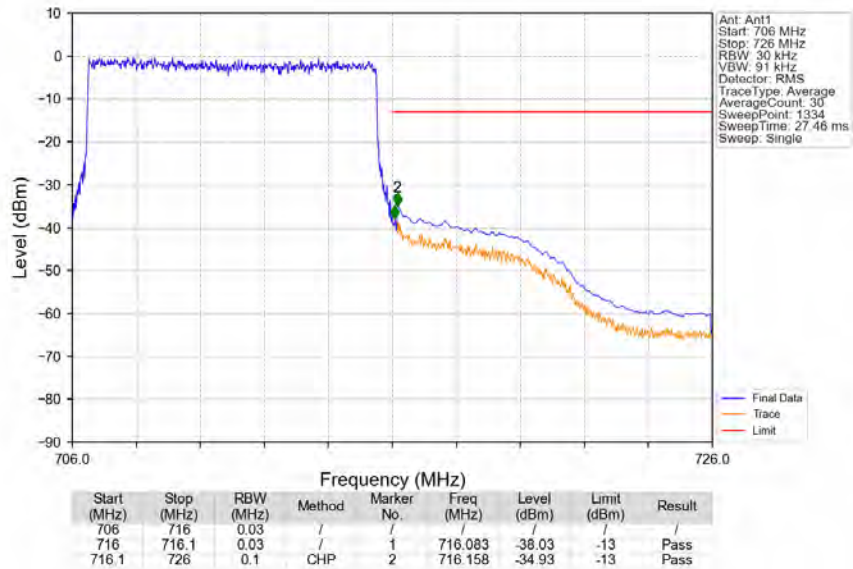
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Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



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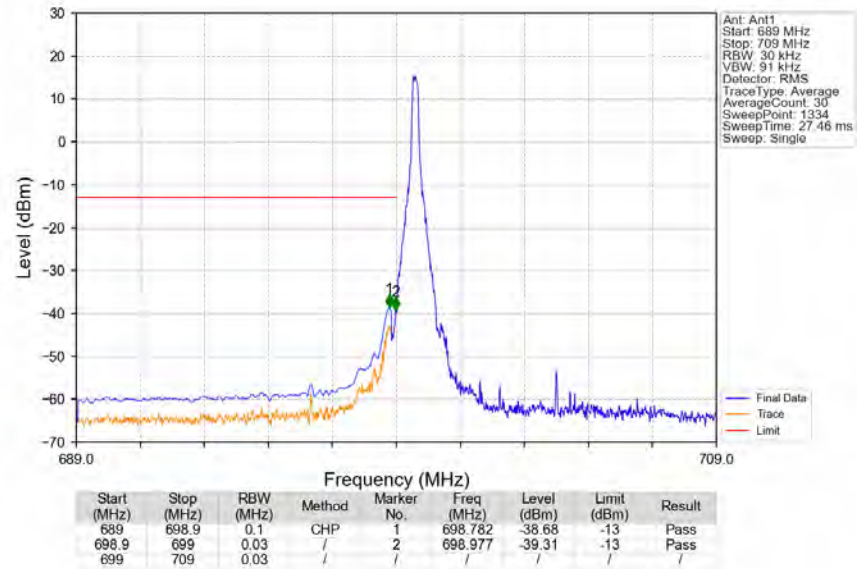


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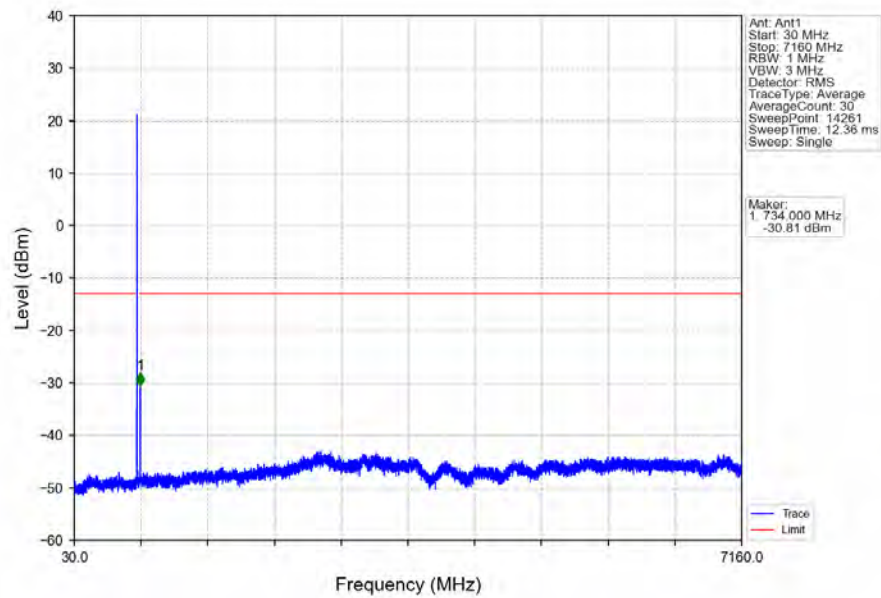
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Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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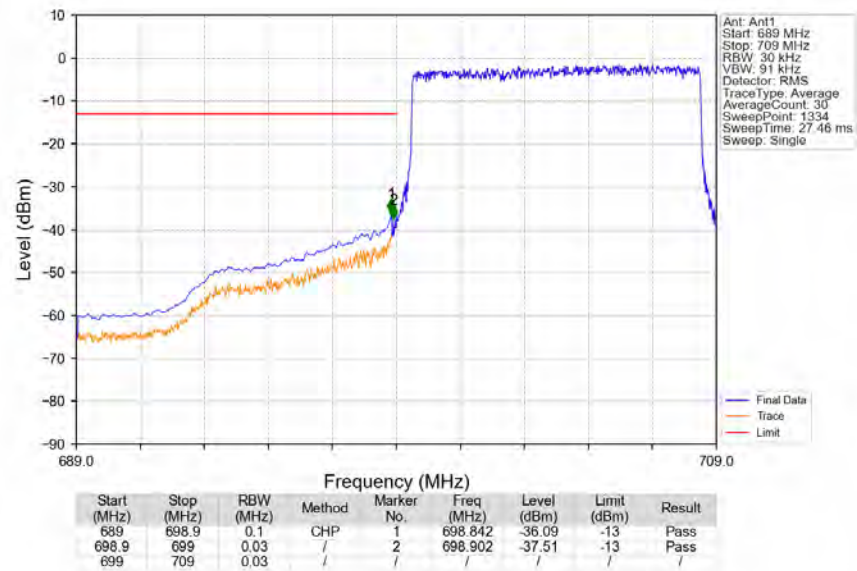


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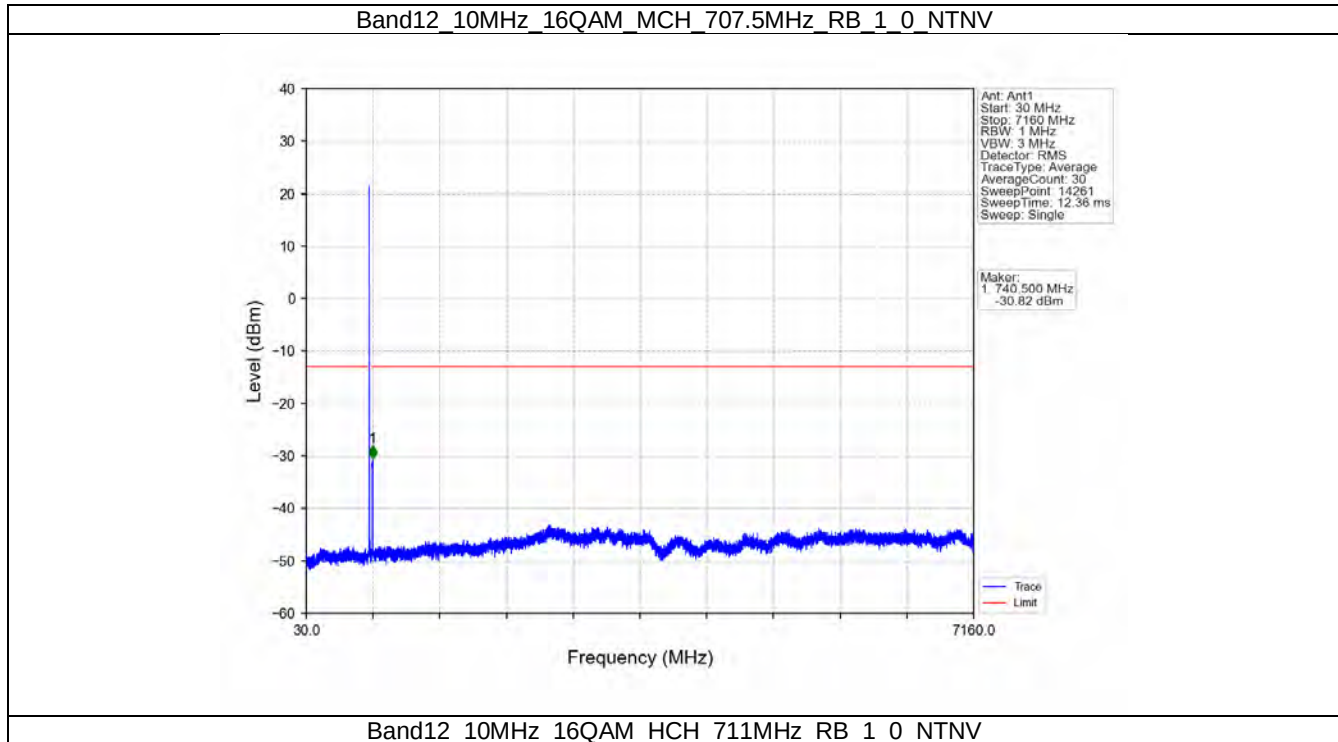


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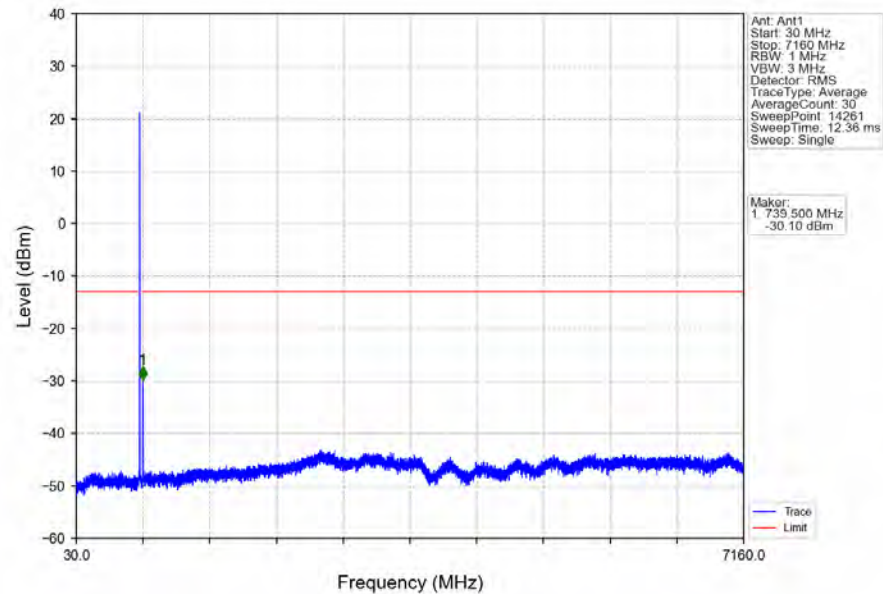


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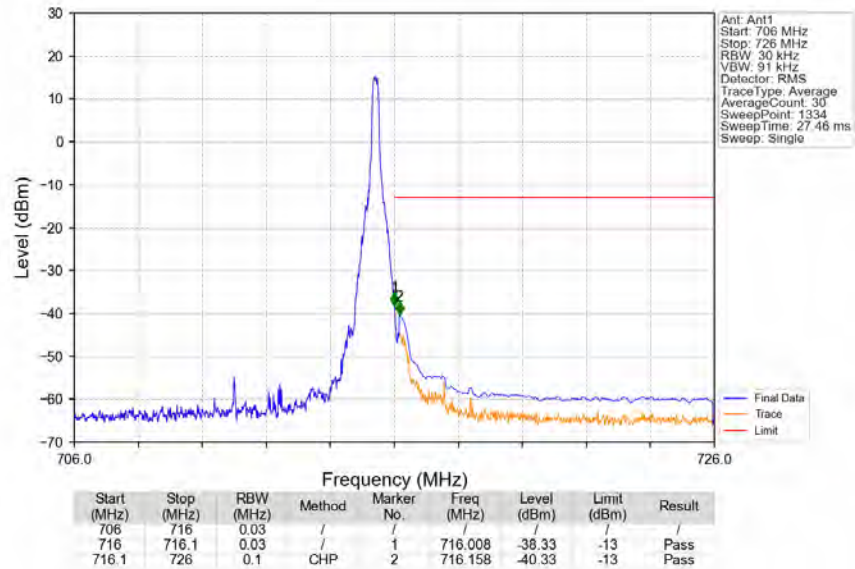
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Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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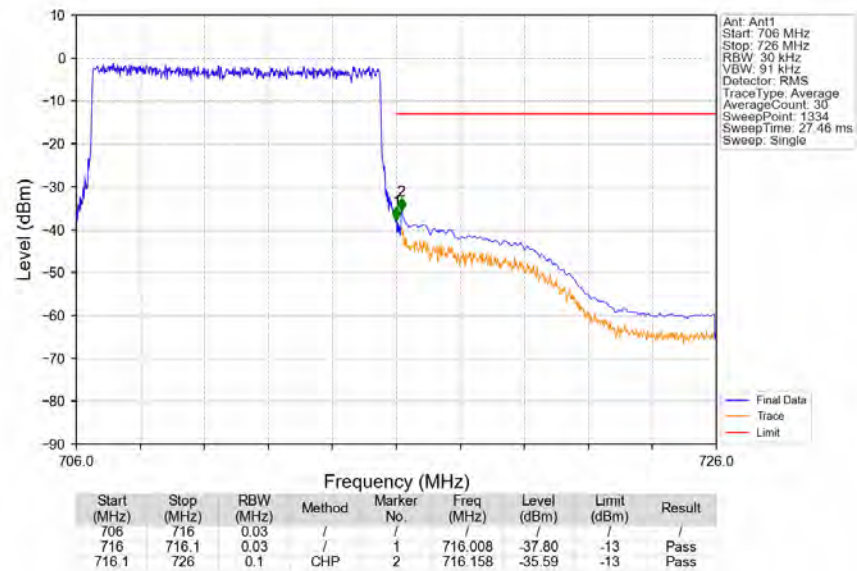


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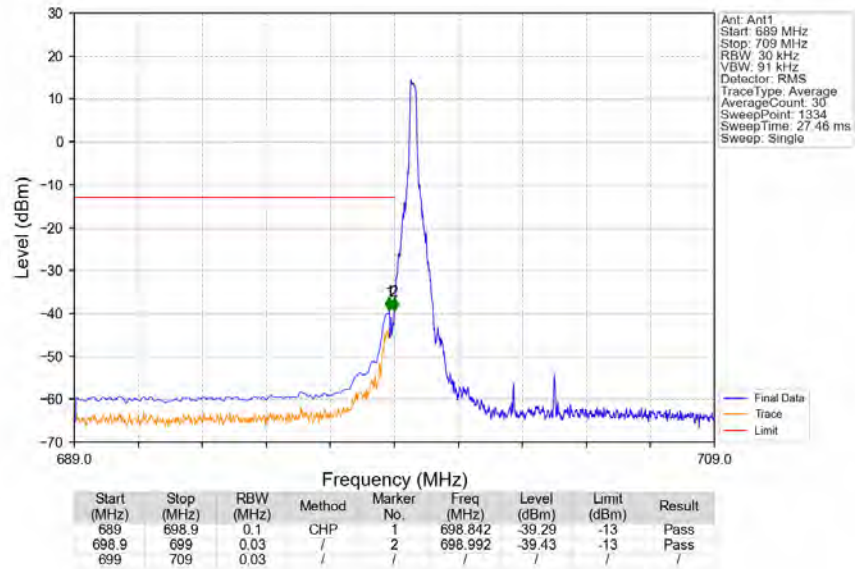
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Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV



Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV



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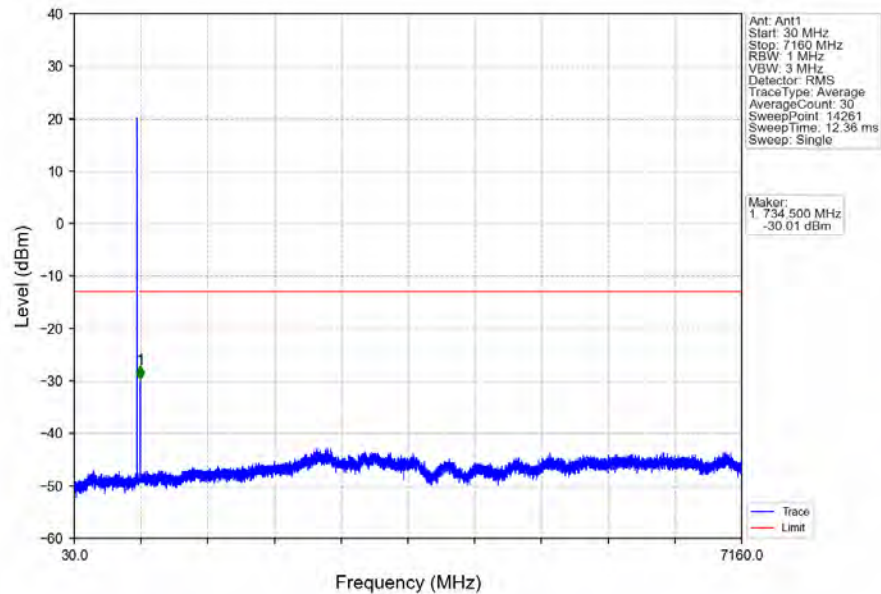


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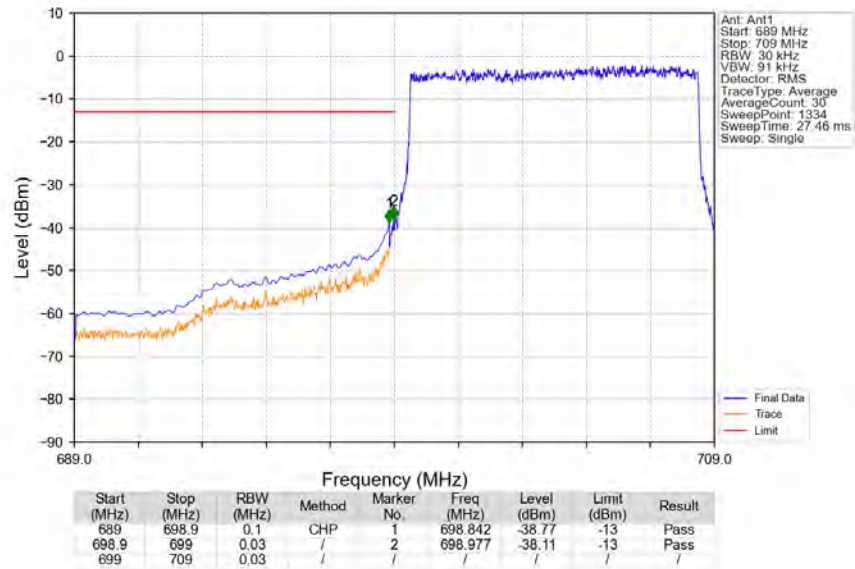
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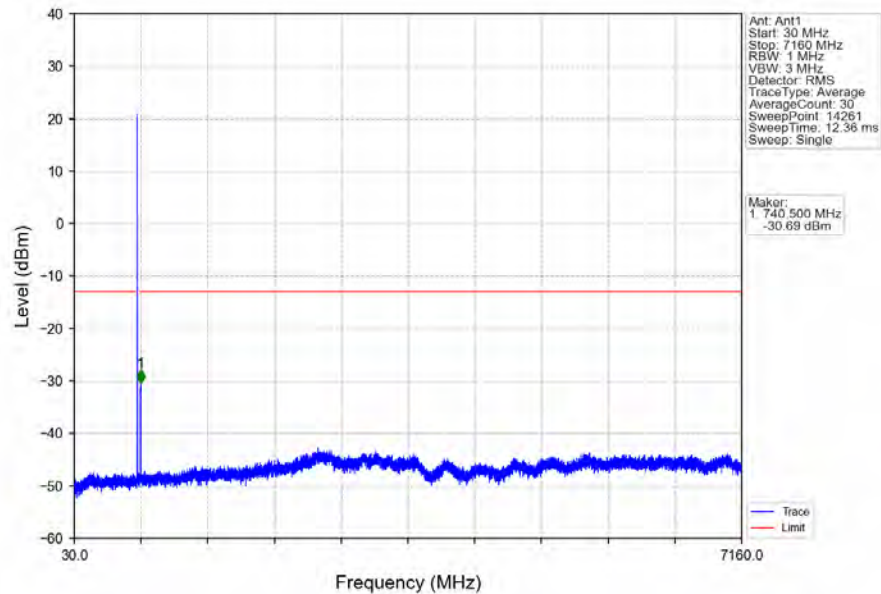


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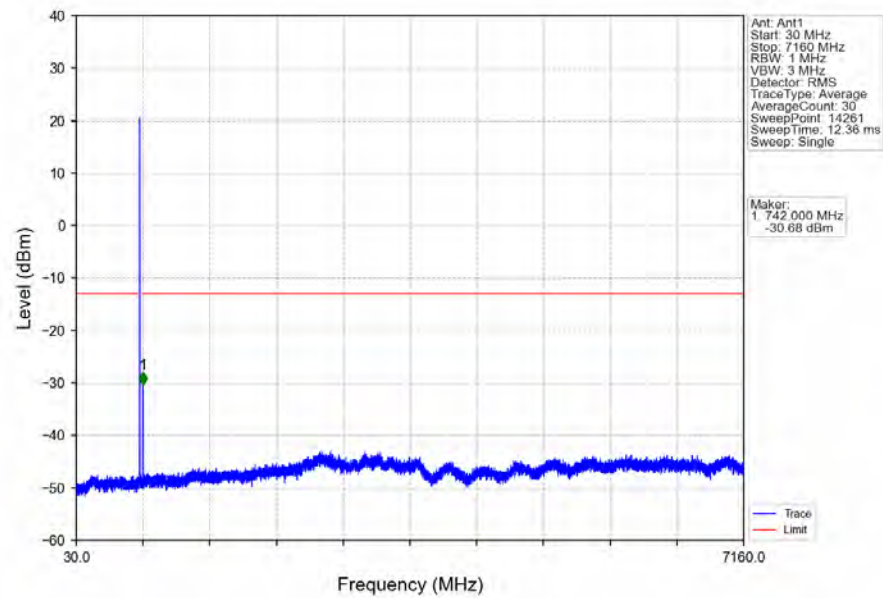
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Band12_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



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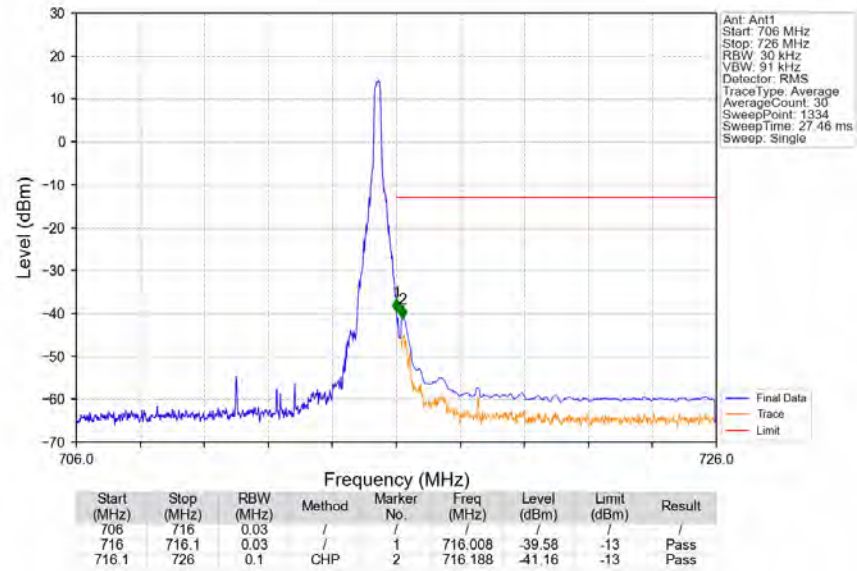


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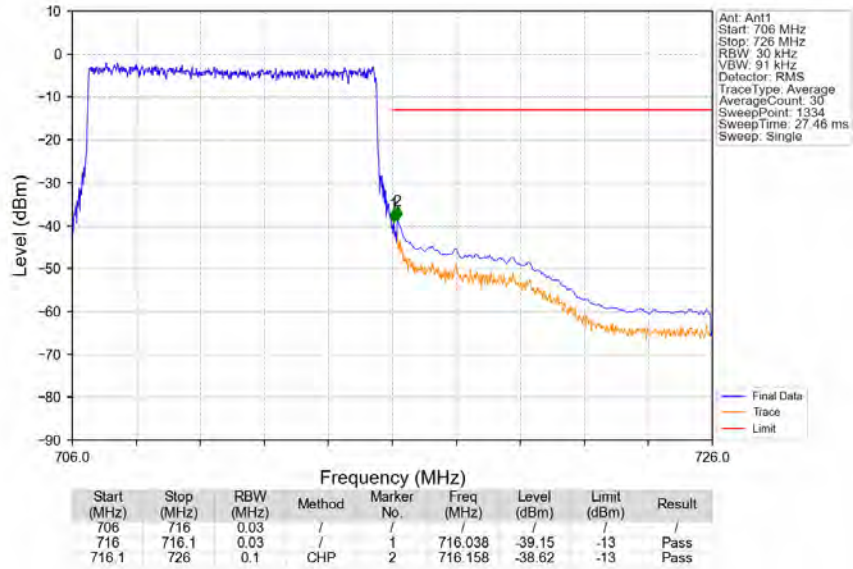
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Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



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6. Field Strength of Spurious Radiation

LTE Band 12-Low channel, Modulation: QPSK, Bandwidth:10MHz, 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
1399	-65.46	-13	-52.46	-66.53	1.64	2.71	Horizontal	Pass
2098.5	-63.2	-13	-50.2	-63.32	2.35	4.62	Horizontal	Pass
2798	-61.1	-13	-48.1	-62.115	2.66	5.82	Horizontal	Pass
1399	-65	-13	-52	-63.92	1.64	2.71	Vertical	Pass
2098.5	-62.55	-13	-49.55	-62.67	2.35	4.62	Vertical	Pass
2798	-60.17	-13	-47.17	-61.185	2.66	5.82	Vertical	Pass

LTE Band 12-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 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
1406	-65.22	-13	-52.22	-66.29	1.64	2.71	Horizontal	Pass
2109	-63.79	-13	-50.79	-63.91	2.35	4.62	Horizontal	Pass
2812	-60.46	-13	-47.46	-61.475	2.66	5.82	Horizontal	Pass
1406	-65.8	-13	-52.8	-64.72	1.64	2.71	Vertical	Pass
2109	-63.22	-13	-50.22	-63.34	2.35	4.62	Vertical	Pass
2812	-59.24	-13	-46.24	-60.255	2.66	5.82	Vertical	Pass

LTE Band 12-High channel, Modulation: QPSK, Bandwidth:10MHz, 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
1413	-65.2	-13	-52.2	-66.27	1.64	2.71	Horizontal	Pass
2119.5	-64.65	-13	-51.65	-64.77	2.35	4.62	Horizontal	Pass
2826	-60.2	-13	-47.2	-61.215	2.66	5.82	Horizontal	Pass
1413	-64.86	-13	-51.86	-63.78	1.64	2.71	Vertical	Pass
2119.5	-63.75	-13	-50.75	-63.87	2.35	4.62	Vertical	Pass
2826	-59.92	-13	-46.92	-60.935	2.66	5.82	Vertical	Pass

---End of Attachment---



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