



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

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Appendix B.10

LTE Band 12



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

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1. Effective (Isotropic) Radiated Power Output Data

Ant1

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	699.7	1	0	23.87	-4.00	17.72	<=34.77	Pass	
			2	23.86	-4.00	17.71	<=34.77	Pass	
			5	23.94	-4.00	17.79	<=34.77	Pass	
		3	0	23.90	-4.00	17.75	<=34.77	Pass	
			2	23.94	-4.00	17.79	<=34.77	Pass	
			3	23.91	-4.00	17.76	<=34.77	Pass	
		6	0	23.46	-4.00	17.31	<=34.77	Pass	
		707.5	1	0	23.89	-4.00	17.74	<=34.77	Pass
				2	23.88	-4.00	17.73	<=34.77	Pass
	5			23.91	-4.00	17.76	<=34.77	Pass	
	3		0	23.94	-4.00	17.79	<=34.77	Pass	
			2	23.93	-4.00	17.78	<=34.77	Pass	
			3	23.93	-4.00	17.78	<=34.77	Pass	
	6		0	23.45	-4.00	17.30	<=34.77	Pass	
	715.3		1	0	23.88	-4.00	17.73	<=34.77	Pass
				2	23.88	-4.00	17.73	<=34.77	Pass
		5		23.93	-4.00	17.78	<=34.77	Pass	
		3	0	23.96	-4.00	17.81	<=34.77	Pass	
			2	23.98	-4.00	17.83	<=34.77	Pass	
			3	23.96	-4.00	17.81	<=34.77	Pass	
	6	0	23.49	-4.00	17.34	<=34.77	Pass		
	16QAM	699.7	1	0	23.60	-4.00	17.45	<=34.77	Pass
				2	23.60	-4.00	17.45	<=34.77	Pass
				5	23.64	-4.00	17.49	<=34.77	Pass
3			0	23.44	-4.00	17.29	<=34.77	Pass	
			2	23.46	-4.00	17.31	<=34.77	Pass	
			3	23.45	-4.00	17.30	<=34.77	Pass	
6		0	21.94	-4.00	15.79	<=34.77	Pass		
707.5		1	0	23.49	-4.00	17.34	<=34.77	Pass	
			2	23.45	-4.00	17.30	<=34.77	Pass	
			5	23.46	-4.00	17.31	<=34.77	Pass	
		3	0	23.65	-4.00	17.50	<=34.77	Pass	
			2	23.65	-4.00	17.50	<=34.77	Pass	
			3	23.67	-4.00	17.52	<=34.77	Pass	
		6	0	21.96	-4.00	15.81	<=34.77	Pass	
		715.3	1	0	23.63	-4.00	17.48	<=34.77	Pass



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			2	23.63	-4.00	17.48	<=34.77	Pass
			5	23.69	-4.00	17.54	<=34.77	Pass
		3	0	23.52	-4.00	17.37	<=34.77	Pass
			2	23.57	-4.00	17.42	<=34.77	Pass
			3	23.52	-4.00	17.37	<=34.77	Pass
		6	0	21.97	-4.00	15.82	<=34.77	Pass
64QAM	699.7	1	0	22.95	-4.00	16.80	<=34.77	Pass
			2	22.99	-4.00	16.84	<=34.77	Pass
			5	22.99	-4.00	16.84	<=34.77	Pass
		3	0	23.12	-4.00	16.97	<=34.77	Pass
			2	23.14	-4.00	16.99	<=34.77	Pass
			3	23.16	-4.00	17.01	<=34.77	Pass
		6	0	22.12	-4.00	15.97	<=34.77	Pass
			0	23.36	-4.00	17.21	<=34.77	Pass
			2	23.40	-4.00	17.25	<=34.77	Pass
	707.5	1	5	23.38	-4.00	17.23	<=34.77	Pass
			0	23.18	-4.00	17.03	<=34.77	Pass
			2	23.17	-4.00	17.02	<=34.77	Pass
		3	3	23.16	-4.00	17.01	<=34.77	Pass
			0	21.96	-4.00	15.81	<=34.77	Pass
			0	22.99	-4.00	16.84	<=34.77	Pass
	715.3	1	2	23.01	-4.00	16.86	<=34.77	Pass
			5	23.02	-4.00	16.87	<=34.77	Pass
			0	23.22	-4.00	17.07	<=34.77	Pass
		3	2	23.22	-4.00	17.07	<=34.77	Pass
			3	23.21	-4.00	17.06	<=34.77	Pass
			0	22.15	-4.00	16.00	<=34.77	Pass



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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	23.97	-4.00	17.82	<=34.77	Pass		
			7	24.03	-4.00	17.88	<=34.77	Pass		
			14	24.00	-4.00	17.85	<=34.77	Pass		
		8	0	23.46	-4.00	17.31	<=34.77	Pass		
			4	23.48	-4.00	17.33	<=34.77	Pass		
			7	23.46	-4.00	17.31	<=34.77	Pass		
		15	0	23.47	-4.00	17.32	<=34.77	Pass		
		707.5	1	0	23.92	-4.00	17.77	<=34.77	Pass	
				7	23.98	-4.00	17.83	<=34.77	Pass	
	14			23.92	-4.00	17.77	<=34.77	Pass		
	8		0	23.49	-4.00	17.34	<=34.77	Pass		
			4	23.47	-4.00	17.32	<=34.77	Pass		
			7	23.49	-4.00	17.34	<=34.77	Pass		
	15		0	23.46	-4.00	17.31	<=34.77	Pass		
	714.5		1	0	23.95	-4.00	17.80	<=34.77	Pass	
				7	23.93	-4.00	17.78	<=34.77	Pass	
		14		23.96	-4.00	17.81	<=34.77	Pass		
		8	0	23.52	-4.00	17.37	<=34.77	Pass		
			4	23.43	-4.00	17.28	<=34.77	Pass		
			7	23.45	-4.00	17.30	<=34.77	Pass		
		15	0	23.48	-4.00	17.33	<=34.77	Pass		
		16QAM	700.5	1	0	23.94	-4.00	17.79	<=34.77	Pass
					7	24.03	-4.00	17.88	<=34.77	Pass
	14				23.91	-4.00	17.76	<=34.77	Pass	
8	0			22.10	-4.00	15.95	<=34.77	Pass		
	4			22.13	-4.00	15.98	<=34.77	Pass		
	7			22.11	-4.00	15.96	<=34.77	Pass		
15	0			22.04	-4.00	15.89	<=34.77	Pass		
707.5	1			0	23.65	-4.00	17.50	<=34.77	Pass	
				7	23.68	-4.00	17.53	<=34.77	Pass	
			14	23.62	-4.00	17.47	<=34.77	Pass		
	8		0	21.95	-4.00	15.80	<=34.77	Pass		
			4	21.94	-4.00	15.79	<=34.77	Pass		
			7	21.95	-4.00	15.80	<=34.77	Pass		
	15		0	21.94	-4.00	15.79	<=34.77	Pass		
	714.5		1	0	23.55	-4.00	17.40	<=34.77	Pass	
				7	23.52	-4.00	17.37	<=34.77	Pass	
14				23.57	-4.00	17.42	<=34.77	Pass		
8			0	22.09	-4.00	15.94	<=34.77	Pass		
			4	22.02	-4.00	15.87	<=34.77	Pass		
			7	22.02	-4.00	15.87	<=34.77	Pass		



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64QAM	700.5	15	0	22.01	-4.00	15.86	<=34.77	Pass	
			1	0	23.18	-4.00	17.03	<=34.77	Pass
				7	23.25	-4.00	17.10	<=34.77	Pass
		8	14	23.20	-4.00	17.05	<=34.77	Pass	
			0	22.10	-4.00	15.95	<=34.77	Pass	
			4	22.12	-4.00	15.97	<=34.77	Pass	
		15	7	22.13	-4.00	15.98	<=34.77	Pass	
			0	21.96	-4.00	15.81	<=34.77	Pass	
			1	0	23.04	-4.00	16.89	<=34.77	Pass
	7	23.09		-4.00	16.94	<=34.77	Pass		
	14	23.04		-4.00	16.89	<=34.77	Pass		
	707.5	8	0	21.89	-4.00	15.74	<=34.77	Pass	
			4	21.88	-4.00	15.73	<=34.77	Pass	
			7	21.88	-4.00	15.73	<=34.77	Pass	
	15	0	22.09	-4.00	15.94	<=34.77	Pass		
	714.5	1	0	22.75	-4.00	16.60	<=34.77	Pass	
			7	22.78	-4.00	16.63	<=34.77	Pass	
			14	22.78	-4.00	16.63	<=34.77	Pass	
		8	0	22.07	-4.00	15.92	<=34.77	Pass	
			4	21.93	-4.00	15.78	<=34.77	Pass	
			7	21.98	-4.00	15.83	<=34.77	Pass	
		15	0	22.01	-4.00	15.86	<=34.77	Pass	



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1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNv										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	701.5	1	0	24.11	-4.00	17.96	<=34.77	Pass		
			13	24.12	-4.00	17.97	<=34.77	Pass		
			24	24.20	-4.00	18.05	<=34.77	Pass		
		12	0	23.56	-4.00	17.41	<=34.77	Pass		
			6	23.53	-4.00	17.38	<=34.77	Pass		
			13	23.52	-4.00	17.37	<=34.77	Pass		
		25	0	23.56	-4.00	17.41	<=34.77	Pass		
		707.5	1	0	24.07	-4.00	17.92	<=34.77	Pass	
				13	24.06	-4.00	17.91	<=34.77	Pass	
	24			24.12	-4.00	17.97	<=34.77	Pass		
	12		0	23.56	-4.00	17.41	<=34.77	Pass		
			6	23.53	-4.00	17.38	<=34.77	Pass		
			13	23.57	-4.00	17.42	<=34.77	Pass		
	25		0	23.57	-4.00	17.42	<=34.77	Pass		
	713.5		1	0	24.06	-4.00	17.91	<=34.77	Pass	
				13	24.10	-4.00	17.95	<=34.77	Pass	
		24		24.11	-4.00	17.96	<=34.77	Pass		
		12	0	23.59	-4.00	17.44	<=34.77	Pass		
			6	23.53	-4.00	17.38	<=34.77	Pass		
			13	23.47	-4.00	17.32	<=34.77	Pass		
		25	0	23.60	-4.00	17.45	<=34.77	Pass		
		16QAM	701.5	1	0	23.45	-4.00	17.30	<=34.77	Pass
					13	23.39	-4.00	17.24	<=34.77	Pass
	24				23.38	-4.00	17.23	<=34.77	Pass	
12	0			22.08	-4.00	15.93	<=34.77	Pass		
	6			22.06	-4.00	15.91	<=34.77	Pass		
	13			22.02	-4.00	15.87	<=34.77	Pass		
25	0			22.07	-4.00	15.92	<=34.77	Pass		
707.5	1			0	23.78	-4.00	17.63	<=34.77	Pass	
				13	23.78	-4.00	17.63	<=34.77	Pass	
			24	23.78	-4.00	17.63	<=34.77	Pass		
	12		0	22.09	-4.00	15.94	<=34.77	Pass		
			6	22.07	-4.00	15.92	<=34.77	Pass		
			13	22.10	-4.00	15.95	<=34.77	Pass		
	25		0	22.06	-4.00	15.91	<=34.77	Pass		
	713.5		1	0	23.58	-4.00	17.43	<=34.77	Pass	
				13	23.53	-4.00	17.38	<=34.77	Pass	
24				23.67	-4.00	17.52	<=34.77	Pass		
12			0	22.15	-4.00	16.00	<=34.77	Pass		
			6	22.08	-4.00	15.93	<=34.77	Pass		
			13	21.99	-4.00	15.84	<=34.77	Pass		



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64QAM	701.5	25	0	22.09	-4.00	15.94	<=34.77	Pass	
			1	0	23.00	-4.00	16.85	<=34.77	Pass
				13	22.98	-4.00	16.83	<=34.77	Pass
		12	24	23.03	-4.00	16.88	<=34.77	Pass	
			0	22.04	-4.00	15.89	<=34.77	Pass	
			6	22.02	-4.00	15.87	<=34.77	Pass	
		25	13	21.97	-4.00	15.82	<=34.77	Pass	
			0	22.03	-4.00	15.88	<=34.77	Pass	
			1	0	23.19	-4.00	17.04	<=34.77	Pass
	13	23.18		-4.00	17.03	<=34.77	Pass		
	24	23.19		-4.00	17.04	<=34.77	Pass		
	707.5	12	0	22.10	-4.00	15.95	<=34.77	Pass	
			6	22.05	-4.00	15.90	<=34.77	Pass	
			13	22.07	-4.00	15.92	<=34.77	Pass	
	25	0	22.10	-4.00	15.95	<=34.77	Pass		
	713.5	1	0	23.24	-4.00	17.09	<=34.77	Pass	
			13	23.29	-4.00	17.14	<=34.77	Pass	
			24	23.17	-4.00	17.02	<=34.77	Pass	
		12	0	22.30	-4.00	16.15	<=34.77	Pass	
			6	22.20	-4.00	16.05	<=34.77	Pass	
			13	22.14	-4.00	15.99	<=34.77	Pass	
		25	0	22.08	-4.00	15.93	<=34.77	Pass	



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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	24.12	-4.00	17.97	<=34.77	Pass		
			25	24.18	-4.00	18.03	<=34.77	Pass		
			49	24.11	-4.00	17.96	<=34.77	Pass		
		25	0	23.65	-4.00	17.50	<=34.77	Pass		
			13	23.63	-4.00	17.48	<=34.77	Pass		
			25	23.62	-4.00	17.47	<=34.77	Pass		
		50	0	23.64	-4.00	17.49	<=34.77	Pass		
		707.5	1	0	24.04	-4.00	17.89	<=34.77	Pass	
				25	24.07	-4.00	17.92	<=34.77	Pass	
	49			24.03	-4.00	17.88	<=34.77	Pass		
	25		0	23.66	-4.00	17.51	<=34.77	Pass		
			13	23.59	-4.00	17.44	<=34.77	Pass		
			25	23.63	-4.00	17.48	<=34.77	Pass		
	50		0	23.63	-4.00	17.48	<=34.77	Pass		
	711		1	0	24.12	-4.00	17.97	<=34.77	Pass	
				25	24.07	-4.00	17.92	<=34.77	Pass	
		49		24.04	-4.00	17.89	<=34.77	Pass		
		25	0	23.61	-4.00	17.46	<=34.77	Pass		
			13	23.59	-4.00	17.44	<=34.77	Pass		
			25	23.57	-4.00	17.42	<=34.77	Pass		
		50	0	23.57	-4.00	17.42	<=34.77	Pass		
		16QAM	704	1	0	24.16	-4.00	18.01	<=34.77	Pass
					25	24.01	-4.00	17.86	<=34.77	Pass
	49				24.12	-4.00	17.97	<=34.77	Pass	
25	0			22.18	-4.00	16.03	<=34.77	Pass		
	13			22.14	-4.00	15.99	<=34.77	Pass		
	25			22.12	-4.00	15.97	<=34.77	Pass		
50	0			22.13	-4.00	15.98	<=34.77	Pass		
707.5	1			0	23.82	-4.00	17.67	<=34.77	Pass	
				25	23.76	-4.00	17.61	<=34.77	Pass	
			49	23.79	-4.00	17.64	<=34.77	Pass		
	25		0	22.18	-4.00	16.03	<=34.77	Pass		
			13	22.10	-4.00	15.95	<=34.77	Pass		
			25	22.14	-4.00	15.99	<=34.77	Pass		
	50		0	22.13	-4.00	15.98	<=34.77	Pass		
	711		1	0	23.67	-4.00	17.52	<=34.77	Pass	
				25	23.59	-4.00	17.44	<=34.77	Pass	
49				23.59	-4.00	17.44	<=34.77	Pass		
25			0	22.17	-4.00	16.02	<=34.77	Pass		
			13	22.14	-4.00	15.99	<=34.77	Pass		
			25	22.12	-4.00	15.97	<=34.77	Pass		



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64QAM	704	50	0	22.05	-4.00	15.90	<=34.77	Pass	
			1	0	23.32	-4.00	17.17	<=34.77	Pass
				25	23.39	-4.00	17.24	<=34.77	Pass
		25	49	23.32	-4.00	17.17	<=34.77	Pass	
			0	0	22.17	-4.00	16.02	<=34.77	Pass
				13	22.14	-4.00	15.99	<=34.77	Pass
		50	25	22.13	-4.00	15.98	<=34.77	Pass	
			0	0	22.13	-4.00	15.98	<=34.77	Pass
				1	0	23.11	-4.00	16.96	<=34.77
	25	23.16			-4.00	17.01	<=34.77	Pass	
	707.5	1	49	23.10	-4.00	16.95	<=34.77	Pass	
			25	0	22.26	-4.00	16.11	<=34.77	Pass
				13	22.18	-4.00	16.03	<=34.77	Pass
		25		22.21	-4.00	16.06	<=34.77	Pass	
		50	0	22.16	-4.00	16.01	<=34.77	Pass	
			1	0	22.95	-4.00	16.80	<=34.77	Pass
				25	22.92	-4.00	16.77	<=34.77	Pass
		49		22.80	-4.00	16.65	<=34.77	Pass	
		711	25	0	22.16	-4.00	16.01	<=34.77	Pass
	13			22.16	-4.00	16.01	<=34.77	Pass	
	25			22.09	-4.00	15.94	<=34.77	Pass	
	50		25	22.09	-4.00	15.94	<=34.77	Pass	
			0	22.05	-4.00	15.90	<=34.77	Pass	
			0	22.05	-4.00	15.90	<=34.77	Pass	



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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	3.91	-3.919	-0.0056	/	Pass	
					3.5	-5.974	-0.0085	/	Pass	
					4.5	-4.679	-0.0067	/	Pass	
				-30	3.91	-1.032	-0.0015	/	Pass	
					-20	3.91	-3.236	-0.0046	/	Pass
					-10	3.91	-1.543	-0.0022	/	Pass
				0	3.91	-0.565	-0.0008	/	Pass	
					10	3.91	-1.645	-0.0024	/	Pass
					30	3.91	-2.983	-0.0043	/	Pass
	40	3.91	-0.523		-0.0007	/	Pass			
	50	3.91	-4.043		-0.0058	/	Pass			
	707.5	6	0		20	3.91	-2.472	-0.0035	/	Pass
				3.5		-4.208	-0.0059	/	Pass	
				4.5		-4.521	-0.0064	/	Pass	
				-30	3.91	-3.467	-0.0049	/	Pass	
					-20	3.91	-2.187	-0.0031	/	Pass
					-10	3.91	-0.810	-0.0011	/	Pass
				0	3.91	-0.141	-0.0002	/	Pass	
					10	3.91	-1.518	-0.0021	/	Pass
					30	3.91	-2.091	-0.0030	/	Pass
	40	3.91	-3.932		-0.0056	/	Pass			
	50	3.91	-2.123		-0.0030	/	Pass			
	715.3	6	0		20	3.91	-0.554	-0.0008	/	Pass
				3.5		-3.145	-0.0044	/	Pass	
				4.5		-0.751	-0.0010	/	Pass	
				-30	3.91	-3.954	-0.0055	/	Pass	
					-20	3.91	-0.419	-0.0006	/	Pass
-10					3.91	-0.337	-0.0005	/	Pass	
0				3.91	-4.012	-0.0056	/	Pass		
				10	3.91	-4.252	-0.0059	/	Pass	
				30	3.91	-1.548	-0.0022	/	Pass	
	40	3.91	-3.359	-0.0047	/	Pass				
	50	3.91	-3.081	-0.0043	/	Pass				
	16QAM	699.7	6	0	20	3.91	-4.773	-0.0068	/	Pass
3.5						-2.465	-0.0035	/	Pass	
4.5						-3.681	-0.0053	/	Pass	
-30					3.91	-4.919	-0.0070	/	Pass	
-20					3.91	-2.389	-0.0034	/	Pass	
				-10	3.91	-5.518	-0.0079	/	Pass	



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64QAM				0	3.91	-6.117	-0.0087	/	Pass		
				10	3.91	-1.631	-0.0023	/	Pass		
				30	3.91	-5.526	-0.0079	/	Pass		
				40	3.91	-3.353	-0.0048	/	Pass		
				50	3.91	-2.545	-0.0036	/	Pass		
	707.5	6	0	20	3.91	-0.705	-0.0010	/	Pass		
					3.5	-1.725	-0.0024	/	Pass		
					4.5	-2.359	-0.0033	/	Pass		
				-30	3.91	-0.544	-0.0008	/	Pass		
				-20	3.91	-2.545	-0.0036	/	Pass		
				-10	3.91	-1.228	-0.0017	/	Pass		
				0	3.91	-5.566	-0.0079	/	Pass		
				10	3.91	-0.291	-0.0004	/	Pass		
				30	3.91	-3.060	-0.0043	/	Pass		
				40	3.91	-1.494	-0.0021	/	Pass		
	50	3.91	-0.094	-0.0001	/	Pass					
	715.3	6	0	20	3.91	-3.021	-0.0042	/	Pass		
					3.5	-4.069	-0.0057	/	Pass		
					4.5	-2.117	-0.0030	/	Pass		
				-30	3.91	-4.223	-0.0059	/	Pass		
				-20	3.91	-2.738	-0.0038	/	Pass		
				-10	3.91	-3.992	-0.0056	/	Pass		
				0	3.91	-2.640	-0.0037	/	Pass		
				10	3.91	-4.643	-0.0065	/	Pass		
				30	3.91	-3.312	-0.0046	/	Pass		
				40	3.91	-3.096	-0.0043	/	Pass		
	50	3.91	-5.374	-0.0075	/	Pass					
	699.7	6	0	20	3.91	-4.433	-0.0063	/	Pass		
					3.5	-2.326	-0.0033	/	Pass		
					4.5	-1.723	-0.0025	/	Pass		
-30				3.91	-0.227	-0.0003	/	Pass			
-20				3.91	-0.218	-0.0003	/	Pass			
-10				3.91	-4.361	-0.0062	/	Pass			
0				3.91	-3.872	-0.0055	/	Pass			
10				3.91	-0.475	-0.0007	/	Pass			
30				3.91	-1.582	-0.0023	/	Pass			
40				3.91	-1.437	-0.0021	/	Pass			
50				3.91	-0.188	-0.0003	/	Pass			
707.5				6	0	20	3.91	-2.796	-0.0040	/	Pass
							3.5	-0.333	-0.0005	/	Pass
							4.5	0.613	0.0009	/	Pass
						-30	3.91	-0.192	-0.0003	/	Pass
	-20	3.91	-3.658			-0.0052	/	Pass			
	-10	3.91	-3.614			-0.0051	/	Pass			
	0	3.91	-0.375			-0.0005	/	Pass			
	10	3.91	1.113			0.0016	/	Pass			
	30	3.91	-0.953			-0.0013	/	Pass			
	40	3.91	-1.895			-0.0027	/	Pass			
50	3.91	-1.733	-0.0024	/	Pass						



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715.3	6	0	20	3.91	-4.660	-0.0065	/	Pass
				3.5	-3.126	-0.0044	/	Pass
				4.5	-1.430	-0.0020	/	Pass
			-30	3.91	-5.349	-0.0075	/	Pass
			-20	3.91	-3.604	-0.0050	/	Pass
			-10	3.91	-3.323	-0.0046	/	Pass
			0	3.91	-2.405	-0.0034	/	Pass
			10	3.91	-5.095	-0.0071	/	Pass
			30	3.91	-3.646	-0.0051	/	Pass
			40	3.91	-4.161	-0.0058	/	Pass
			50	3.91	-2.143	-0.0030	/	Pass



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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	3.91	0.615	0.0009	/	Pass
					3.5	0.668	0.0010	/	Pass
					4.5	-2.131	-0.0030	/	Pass
				-30	3.91	-1.691	-0.0024	/	Pass
				-20	3.91	-0.803	-0.0011	/	Pass
				-10	3.91	-2.166	-0.0031	/	Pass
				0	3.91	-0.350	-0.0005	/	Pass
				10	3.91	-3.244	-0.0046	/	Pass
				30	3.91	-0.476	-0.0007	/	Pass
				40	3.91	-1.790	-0.0026	/	Pass
	50	3.91	-2.991	-0.0043	/	Pass			
	707.5	15	0	20	3.91	-2.158	-0.0031	/	Pass
					3.5	-2.266	-0.0032	/	Pass
					4.5	-3.098	-0.0044	/	Pass
				-30	3.91	-2.022	-0.0029	/	Pass
				-20	3.91	-1.268	-0.0018	/	Pass
				-10	3.91	-0.783	-0.0011	/	Pass
				0	3.91	-3.715	-0.0053	/	Pass
				10	3.91	-5.139	-0.0073	/	Pass
				30	3.91	-3.410	-0.0048	/	Pass
				40	3.91	-3.098	-0.0044	/	Pass
	50	3.91	-5.588	-0.0079	/	Pass			
	714.5	15	0	20	3.91	-0.799	-0.0011	/	Pass
					3.5	-3.154	-0.0044	/	Pass
					4.5	1.636	0.0023	/	Pass
				-30	3.91	-2.487	-0.0035	/	Pass
				-20	3.91	-1.571	-0.0022	/	Pass
				-10	3.91	-3.680	-0.0052	/	Pass
				0	3.91	-0.066	-0.0001	/	Pass
				10	3.91	-2.925	-0.0041	/	Pass
30				3.91	-0.442	-0.0006	/	Pass	
40				3.91	-3.650	-0.0051	/	Pass	
16QAM	700.5	15	0	20	3.91	-0.955	-0.0014	/	Pass
					3.5	-0.409	-0.0006	/	Pass
					4.5	-3.700	-0.0053	/	Pass
				-30	3.91	1.018	0.0015	/	Pass
				-20	3.91	-1.277	-0.0018	/	Pass
				-10	3.91	-0.275	-0.0004	/	Pass
				0	3.91	-2.507	-0.0036	/	Pass
10	3.91	-1.920	-0.0027	/	Pass				



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64QAM	707.5	15	0	30	3.91	-0.580	-0.0008	/	Pass
				40	3.91	-0.604	-0.0009	/	Pass
				50	3.91	-2.551	-0.0036	/	Pass
				20	3.91	-3.872	-0.0055	/	Pass
					3.5	1.342	0.0019	/	Pass
					4.5	-4.680	-0.0066	/	Pass
				-30	3.91	0.136	0.0002	/	Pass
				-20	3.91	0.877	0.0012	/	Pass
				-10	3.91	-1.087	-0.0015	/	Pass
				0	3.91	-0.405	-0.0006	/	Pass
	10	3.91	-1.361	-0.0019	/	Pass			
	30	3.91	-0.991	-0.0014	/	Pass			
	40	3.91	-1.960	-0.0028	/	Pass			
	50	3.91	-0.121	-0.0002	/	Pass			
	714.5	15	0	20	3.91	-3.925	-0.0055	/	Pass
					3.5	-0.998	-0.0014	/	Pass
					4.5	-1.838	-0.0026	/	Pass
				-30	3.91	-3.027	-0.0042	/	Pass
				-20	3.91	-3.008	-0.0042	/	Pass
				-10	3.91	-2.647	-0.0037	/	Pass
0				3.91	-1.159	-0.0016	/	Pass	
10				3.91	-4.214	-0.0059	/	Pass	
30				3.91	-1.463	-0.0020	/	Pass	
40				3.91	-5.452	-0.0076	/	Pass	
50	3.91	-1.972	-0.0028	/	Pass				
700.5	15	0	20	3.91	-2.257	-0.0032	/	Pass	
				3.5	-2.251	-0.0032	/	Pass	
				4.5	-1.224	-0.0017	/	Pass	
			-30	3.91	-1.115	-0.0016	/	Pass	
			-20	3.91	-3.895	-0.0056	/	Pass	
			-10	3.91	-2.525	-0.0036	/	Pass	
			0	3.91	-2.496	-0.0036	/	Pass	
			10	3.91	-4.044	-0.0058	/	Pass	
			30	3.91	0.249	0.0004	/	Pass	
			40	3.91	-4.225	-0.0060	/	Pass	
50	3.91	-1.408	-0.0020	/	Pass				
707.5	15	0	20	3.91	-1.381	-0.0020	/	Pass	
				3.5	-4.800	-0.0068	/	Pass	
				4.5	-2.895	-0.0041	/	Pass	
			-30	3.91	-3.748	-0.0053	/	Pass	
			-20	3.91	-3.943	-0.0056	/	Pass	
			-10	3.91	0.401	0.0006	/	Pass	
			0	3.91	-2.998	-0.0042	/	Pass	
			10	3.91	-0.741	-0.0010	/	Pass	
			30	3.91	-3.754	-0.0053	/	Pass	
			40	3.91	-3.808	-0.0054	/	Pass	
50	3.91	-1.579	-0.0022	/	Pass				
714.5	15	0	20	3.91	-2.563	-0.0036	/	Pass	
				3.5	-4.376	-0.0061	/	Pass	



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				4.5	-2.806	-0.0039	/	Pass	
				-30	3.91	-0.083	-0.0001	/	Pass
				-20	3.91	-4.415	-0.0062	/	Pass
				-10	3.91	-0.687	-0.0010	/	Pass
				0	3.91	-2.024	-0.0028	/	Pass
				10	3.91	-2.570	-0.0036	/	Pass
				30	3.91	-3.438	-0.0048	/	Pass
				40	3.91	-2.768	-0.0039	/	Pass
				50	3.91	-2.465	-0.0034	/	Pass



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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	3.91	0.916	0.0013	/	Pass	
					3.5	-0.845	-0.0012	/	Pass	
					4.5	-0.403	-0.0006	/	Pass	
				-30	3.91	-0.308	-0.0004	/	Pass	
					-20	3.91	-0.601	-0.0009	/	Pass
					-10	3.91	-0.347	-0.0005	/	Pass
				0	3.91	-1.884	-0.0027	/	Pass	
					10	3.91	-1.482	-0.0021	/	Pass
					30	3.91	-1.851	-0.0026	/	Pass
					40	3.91	-2.083	-0.0030	/	Pass
	50	3.91	-3.262		-0.0047	/	Pass			
	707.5	25	0		20	3.91	-0.833	-0.0012	/	Pass
						3.5	-3.755	-0.0053	/	Pass
				4.5		-1.960	-0.0028	/	Pass	
				-30	3.91	-2.579	-0.0036	/	Pass	
					-20	3.91	-5.194	-0.0073	/	Pass
					-10	3.91	-3.530	-0.0050	/	Pass
				0	3.91	-4.424	-0.0063	/	Pass	
					10	3.91	-0.121	-0.0002	/	Pass
					30	3.91	-3.224	-0.0046	/	Pass
					40	3.91	-1.986	-0.0028	/	Pass
	50	3.91	-1.776		-0.0025	/	Pass			
	713.5	25	0		20	3.91	-2.275	-0.0032	/	Pass
						3.5	-1.352	-0.0019	/	Pass
				4.5		-1.953	-0.0027	/	Pass	
				-30	3.91	-3.168	-0.0044	/	Pass	
					-20	3.91	0.911	0.0013	/	Pass
					-10	3.91	-3.137	-0.0044	/	Pass
				0	3.91	-2.117	-0.0030	/	Pass	
					10	3.91	-2.043	-0.0029	/	Pass
30					3.91	-0.894	-0.0013	/	Pass	
40					3.91	-0.697	-0.0010	/	Pass	
50	3.91	-3.597	-0.0050		/	Pass				
16QAM	701.5	25	0		20	3.91	-0.402	-0.0006	/	Pass
						3.5	-0.266	-0.0004	/	Pass
				4.5		0.193	0.0003	/	Pass	
				-30	3.91	0.178	0.0003	/	Pass	
					-20	3.91	-1.144	-0.0016	/	Pass
					-10	3.91	-2.288	-0.0033	/	Pass
				0	3.91	0.401	0.0006	/	Pass	
					10	3.91	-0.033	0.0000	/	Pass



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64QAM	707.5	25	0	30	3.91	-3.464	-0.0049	/	Pass
				40	3.91	-0.109	-0.0002	/	Pass
				50	3.91	0.400	0.0006	/	Pass
				20	3.91	-2.591	-0.0037	/	Pass
					3.5	-1.806	-0.0026	/	Pass
					4.5	-1.677	-0.0024	/	Pass
				-30	3.91	-2.238	-0.0032	/	Pass
				-20	3.91	-0.704	-0.0010	/	Pass
				-10	3.91	-1.401	-0.0020	/	Pass
				0	3.91	-2.139	-0.0030	/	Pass
	10	3.91	-1.901	-0.0027	/	Pass			
	30	3.91	-1.667	-0.0024	/	Pass			
	40	3.91	0.791	0.0011	/	Pass			
	50	3.91	0.477	0.0007	/	Pass			
	713.5	25	0	20	3.91	-4.586	-0.0064	/	Pass
					3.5	0.064	0.0001	/	Pass
					4.5	-2.228	-0.0031	/	Pass
				-30	3.91	-2.841	-0.0040	/	Pass
				-20	3.91	-2.902	-0.0041	/	Pass
				-10	3.91	-2.025	-0.0028	/	Pass
0				3.91	-1.049	-0.0015	/	Pass	
10				3.91	-3.262	-0.0046	/	Pass	
30				3.91	-3.341	-0.0047	/	Pass	
40				3.91	-0.989	-0.0014	/	Pass	
50	3.91	-3.733	-0.0052	/	Pass				
701.5	25	0	20	3.91	-3.329	-0.0047	/	Pass	
				3.5	-1.246	-0.0018	/	Pass	
				4.5	-0.543	-0.0008	/	Pass	
			-30	3.91	-1.900	-0.0027	/	Pass	
			-20	3.91	-0.995	-0.0014	/	Pass	
			-10	3.91	-1.268	-0.0018	/	Pass	
			0	3.91	-1.526	-0.0022	/	Pass	
			10	3.91	-1.755	-0.0025	/	Pass	
			30	3.91	-2.280	-0.0033	/	Pass	
			40	3.91	-2.226	-0.0032	/	Pass	
50	3.91	-2.095	-0.0030	/	Pass				
707.5	25	0	20	3.91	0.504	0.0007	/	Pass	
				3.5	-3.324	-0.0047	/	Pass	
				4.5	-1.669	-0.0024	/	Pass	
			-30	3.91	-1.304	-0.0018	/	Pass	
			-20	3.91	-0.699	-0.0010	/	Pass	
			-10	3.91	-1.502	-0.0021	/	Pass	
			0	3.91	-0.562	-0.0008	/	Pass	
			10	3.91	-1.051	-0.0015	/	Pass	
			30	3.91	-0.783	-0.0011	/	Pass	
			40	3.91	-0.197	-0.0003	/	Pass	
50	3.91	-2.396	-0.0034	/	Pass				
713.5	25	0	20	3.91	0.942	0.0013	/	Pass	
				3.5	-2.330	-0.0033	/	Pass	



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				4.5	-4.158	-0.0058	/	Pass
				-30	3.91	-3.373	-0.0047	Pass
				-20	3.91	0.443	0.0006	Pass
				-10	3.91	-2.104	-0.0029	Pass
				0	3.91	0.234	0.0003	Pass
				10	3.91	0.252	0.0004	Pass
				30	3.91	0.411	0.0006	Pass
				40	3.91	-2.839	-0.0040	Pass
				50	3.91	-2.410	-0.0034	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	3.91	-4.765	-0.0068	/	Pass	
					3.5	-1.126	-0.0016	/	Pass	
					4.5	-2.329	-0.0033	/	Pass	
				-30	3.91	-1.786	-0.0025	/	Pass	
					3.91	-1.388	-0.0020	/	Pass	
					3.91	-1.230	-0.0017	/	Pass	
				0	3.91	-1.408	-0.0020	/	Pass	
					10	3.91	-2.232	-0.0032	/	Pass
					30	3.91	-2.795	-0.0040	/	Pass
				50	3.91	-2.132	-0.0030	/	Pass	
	3.91	0.350	0.0005		/	Pass				
	707.5	50	0		20	3.91	-2.881	-0.0041	/	Pass
				3.5		-2.388	-0.0034	/	Pass	
				4.5		0.680	0.0010	/	Pass	
				-30	3.91	-1.820	-0.0026	/	Pass	
					3.91	-0.664	-0.0009	/	Pass	
					3.91	-4.042	-0.0057	/	Pass	
				0	3.91	-2.401	-0.0034	/	Pass	
					10	3.91	-2.355	-0.0033	/	Pass
					30	3.91	-1.755	-0.0025	/	Pass
				40	3.91	-2.392	-0.0034	/	Pass	
	3.91	-2.538	-0.0036		/	Pass				
	711	50	0		20	3.91	-3.591	-0.0051	/	Pass
				3.5		-3.583	-0.0050	/	Pass	
				4.5		-0.108	-0.0002	/	Pass	
				-30	3.91	-4.224	-0.0059	/	Pass	
					3.91	-4.457	-0.0063	/	Pass	
					3.91	-4.449	-0.0063	/	Pass	
				0	3.91	0.023	0.0000	/	Pass	
					10	3.91	-4.074	-0.0057	/	Pass
30					3.91	0.176	0.0002	/	Pass	
40				3.91	-4.070	-0.0057	/	Pass		
	3.91	-4.400	-0.0062	/	Pass					
	16QAM	704	50	0	20	3.91	-1.925	-0.0027	/	Pass
3.5						-1.506	-0.0021	/	Pass	
4.5						-1.304	-0.0019	/	Pass	
-30					3.91	-2.653	-0.0038	/	Pass	
					3.91	-2.120	-0.0030	/	Pass	
					3.91	-1.207	-0.0017	/	Pass	
0					3.91	-1.706	-0.0024	/	Pass	
					10	3.91	0.860	0.0012	/	Pass



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64QAM	707.5	50	0	30	3.91	-1.873	-0.0027	/	Pass
				40	3.91	-0.973	-0.0014	/	Pass
				50	3.91	-1.392	-0.0020	/	Pass
				20	3.91	-0.227	-0.0003	/	Pass
					3.5	-2.980	-0.0042	/	Pass
					4.5	-5.538	-0.0078	/	Pass
				-30	3.91	-2.732	-0.0039	/	Pass
				-20	3.91	-2.039	-0.0029	/	Pass
				-10	3.91	-1.397	-0.0020	/	Pass
				0	3.91	-2.986	-0.0042	/	Pass
	10	3.91	-1.920	-0.0027	/	Pass			
	30	3.91	-2.623	-0.0037	/	Pass			
	40	3.91	-1.400	-0.0020	/	Pass			
	50	3.91	-1.942	-0.0027	/	Pass			
	711	50	0	20	3.91	-3.470	-0.0049	/	Pass
					3.5	0.084	0.0001	/	Pass
					4.5	-4.612	-0.0065	/	Pass
				-30	3.91	-1.441	-0.0020	/	Pass
				-20	3.91	-0.657	-0.0009	/	Pass
				-10	3.91	-1.335	-0.0019	/	Pass
0				3.91	-1.896	-0.0027	/	Pass	
10				3.91	-4.301	-0.0060	/	Pass	
30				3.91	-3.550	-0.0050	/	Pass	
40				3.91	-3.035	-0.0043	/	Pass	
50	3.91	-4.402	-0.0062	/	Pass				
704	50	0	20	3.91	-1.731	-0.0025	/	Pass	
				3.5	-2.765	-0.0039	/	Pass	
				4.5	-1.279	-0.0018	/	Pass	
			-30	3.91	-4.569	-0.0065	/	Pass	
			-20	3.91	-2.027	-0.0029	/	Pass	
			-10	3.91	-1.117	-0.0016	/	Pass	
			0	3.91	-1.089	-0.0015	/	Pass	
			10	3.91	-1.378	-0.0020	/	Pass	
			30	3.91	-5.166	-0.0073	/	Pass	
			40	3.91	-1.497	-0.0021	/	Pass	
	50	3.91	-4.936	-0.0070	/	Pass			
	707.5	50	0	20	3.91	-1.737	-0.0025	/	Pass
					3.5	-1.266	-0.0018	/	Pass
					4.5	-1.552	-0.0022	/	Pass
				-30	3.91	-2.541	-0.0036	/	Pass
				-20	3.91	-2.014	-0.0028	/	Pass
				-10	3.91	-0.567	-0.0008	/	Pass
				0	3.91	-4.621	-0.0065	/	Pass
10				3.91	-1.898	-0.0027	/	Pass	
30	3.91	-5.642	-0.0080	/	Pass				
40	3.91	-5.502	-0.0078	/	Pass				
50	3.91	1.052	0.0015	/	Pass				
711	50	0	20	3.91	-0.323	-0.0005	/	Pass	
				3.5	0.051	0.0001	/	Pass	



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				4.5	-3.184	-0.0045	/	Pass
				-30	3.91	-3.822	-0.0054	Pass
				-20	3.91	-2.893	-0.0041	Pass
				-10	3.91	-2.934	-0.0041	Pass
				0	3.91	-3.196	-0.0045	Pass
				10	3.91	-0.663	-0.0009	Pass
				30	3.91	-2.882	-0.0041	Pass
				40	3.91	-3.352	-0.0047	Pass
				50	3.91	-2.086	-0.0029	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	1.106	/	Pass
		707.5	6	0	1.113	/	Pass
		715.3	6	0	1.114	/	Pass
	16QAM	699.7	6	0	1.113	/	Pass
		707.5	6	0	1.099	/	Pass
		715.3	6	0	1.114	/	Pass
	64QAM	699.7	6	0	1.110	/	Pass
		707.5	6	0	1.118	/	Pass
		715.3	6	0	1.112	/	Pass
3	QPSK	700.5	15	0	2.726	/	Pass
		707.5	15	0	2.737	/	Pass
		714.5	15	0	2.739	/	Pass
	16QAM	700.5	15	0	2.725	/	Pass
		707.5	15	0	2.730	/	Pass
		714.5	15	0	2.734	/	Pass
	64QAM	700.5	15	0	2.729	/	Pass
		707.5	15	0	2.735	/	Pass
		714.5	15	0	2.736	/	Pass
5	QPSK	701.5	25	0	4.548	/	Pass
		707.5	25	0	4.549	/	Pass
		713.5	25	0	4.544	/	Pass
	16QAM	701.5	25	0	4.531	/	Pass
		707.5	25	0	4.554	/	Pass
		713.5	25	0	4.533	/	Pass
	64QAM	701.5	25	0	4.545	/	Pass
		707.5	25	0	4.555	/	Pass
		713.5	25	0	4.552	/	Pass
10	QPSK	704	50	0	9.048	/	Pass
		707.5	50	0	9.066	/	Pass
		711	50	0	9.036	/	Pass
	16QAM	704	50	0	9.027	/	Pass
		707.5	50	0	9.057	/	Pass
		711	50	0	9.027	/	Pass
	64QAM	704	50	0	9.081	/	Pass
		707.5	50	0	9.053	/	Pass
		711	50	0	9.047	/	Pass



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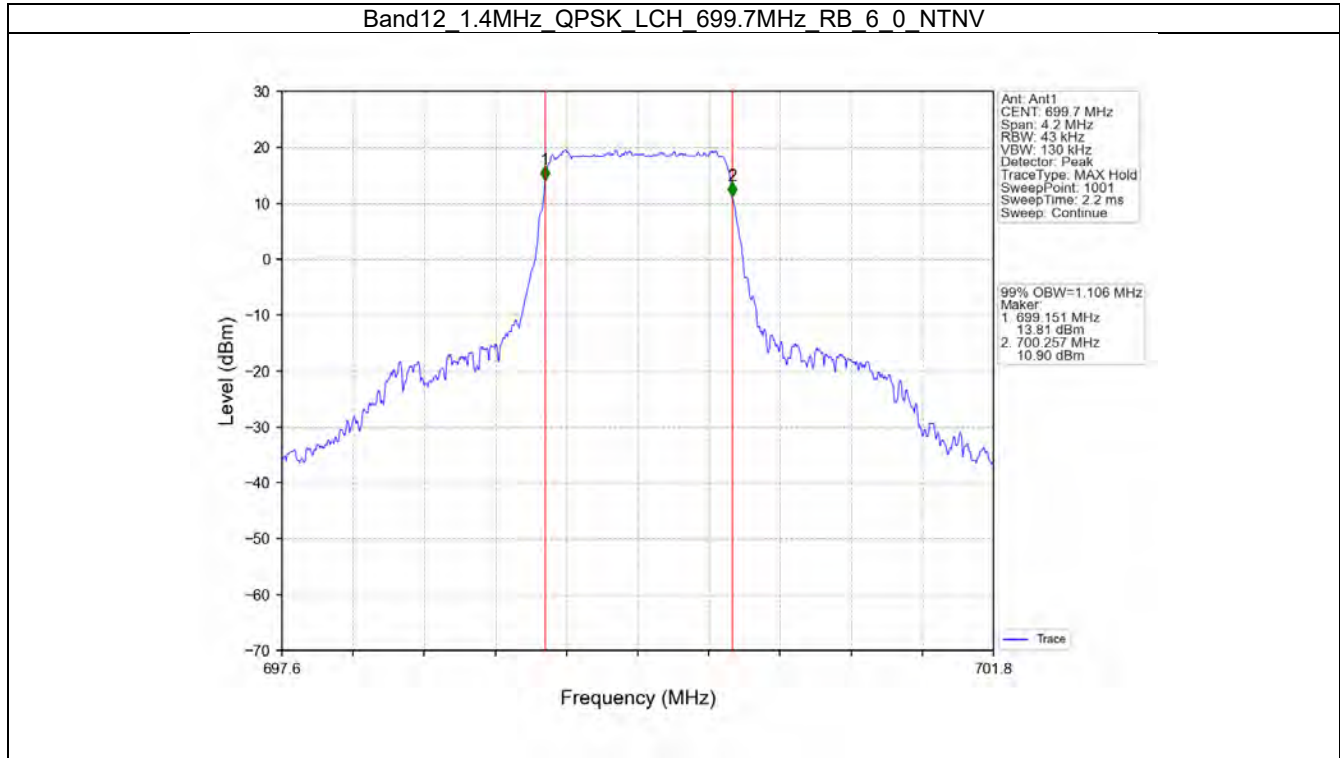
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3.1.2 Test Graph



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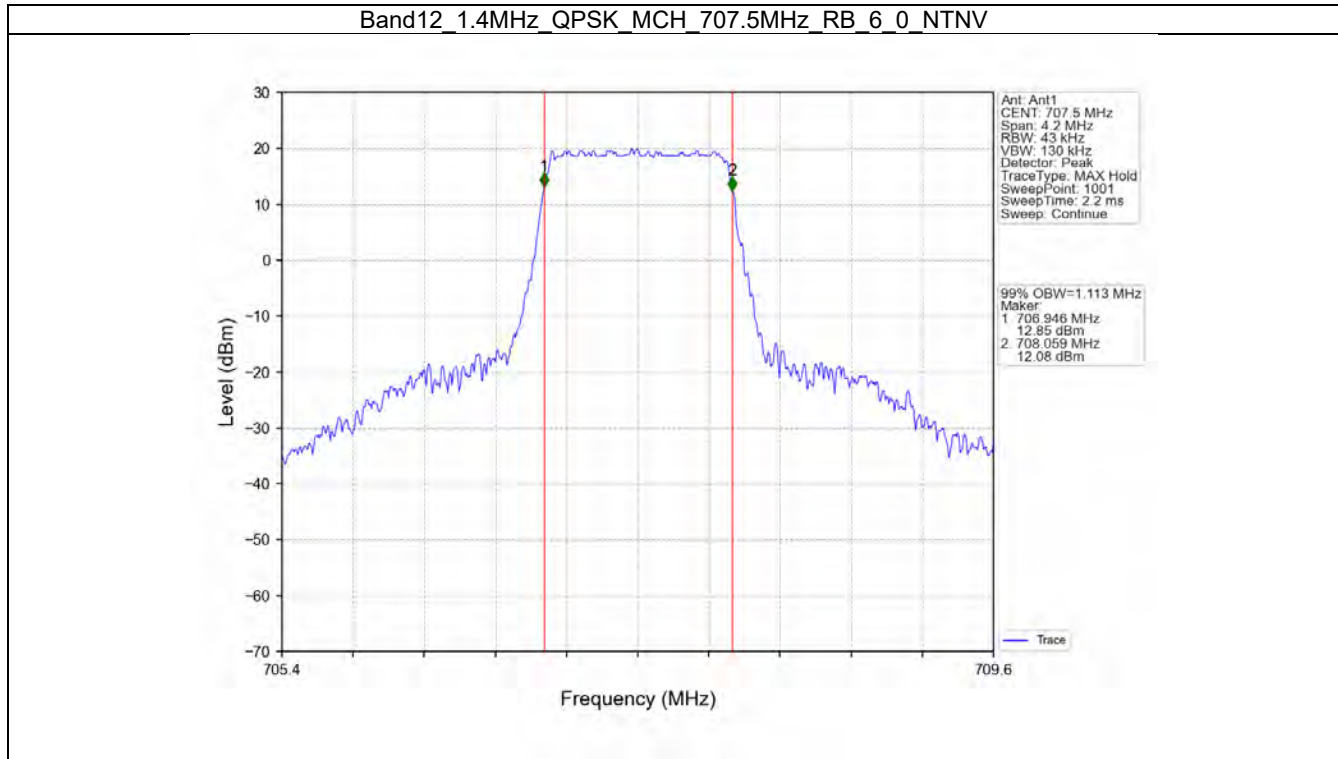


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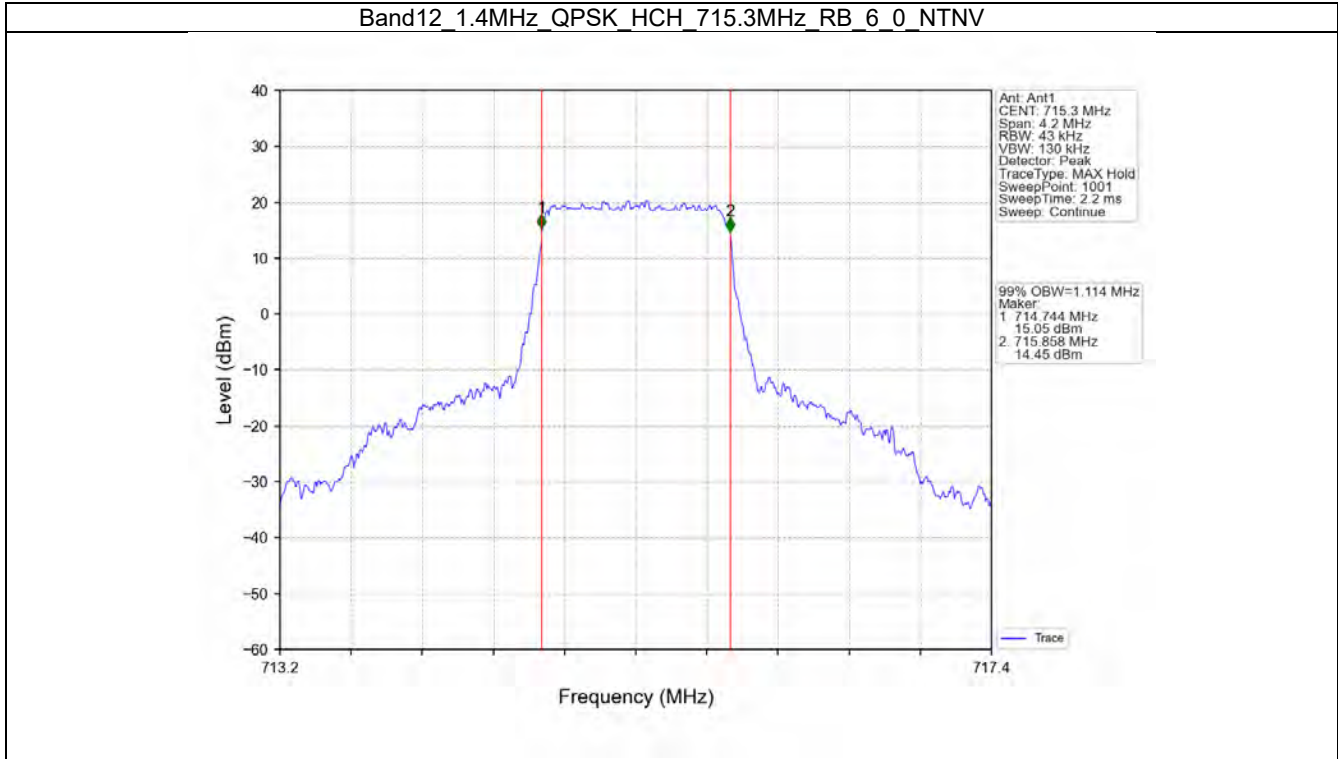
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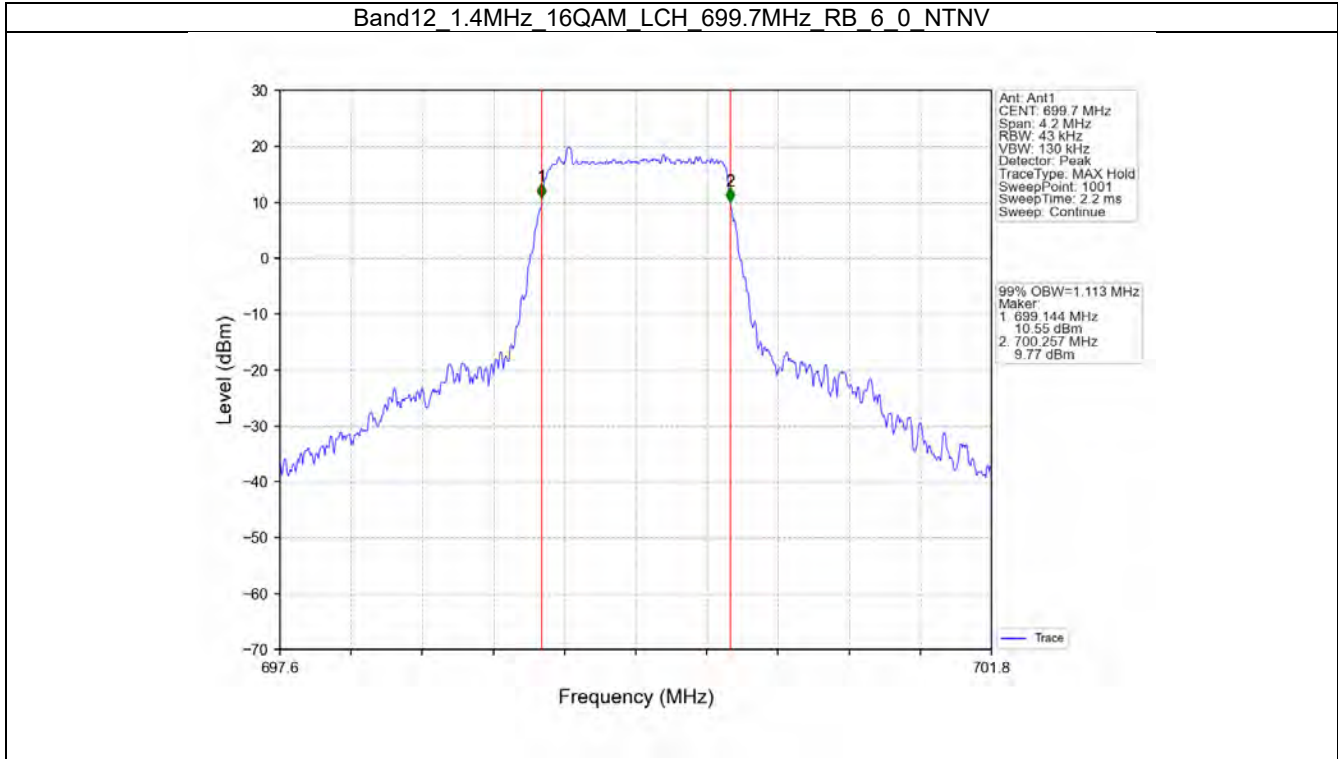
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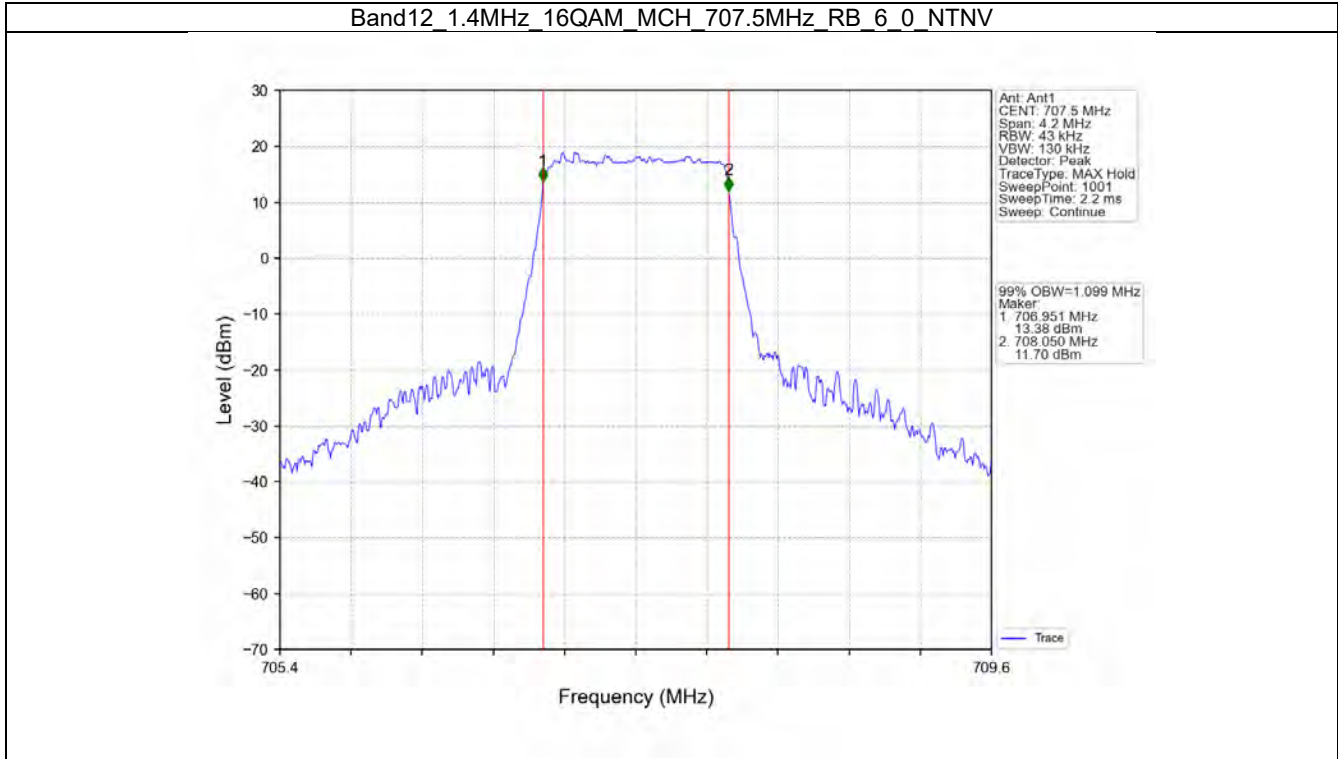
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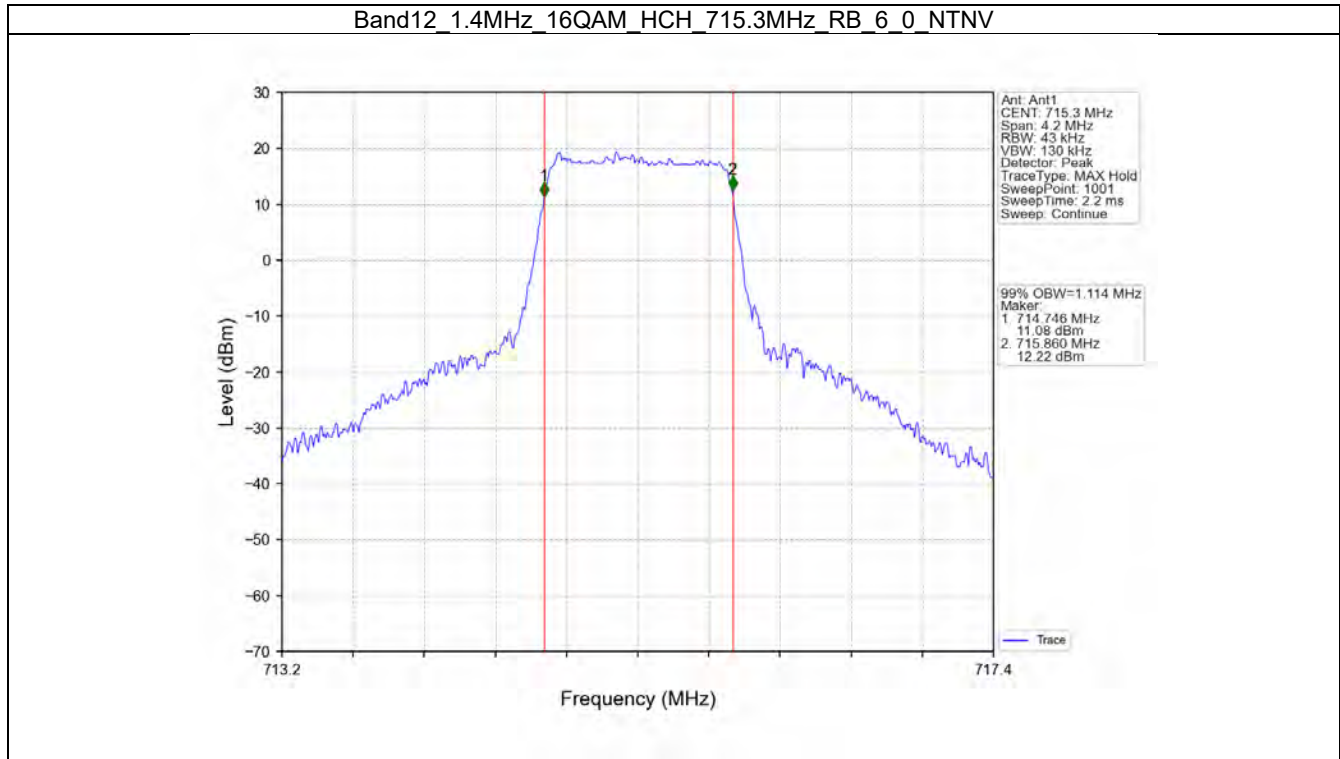


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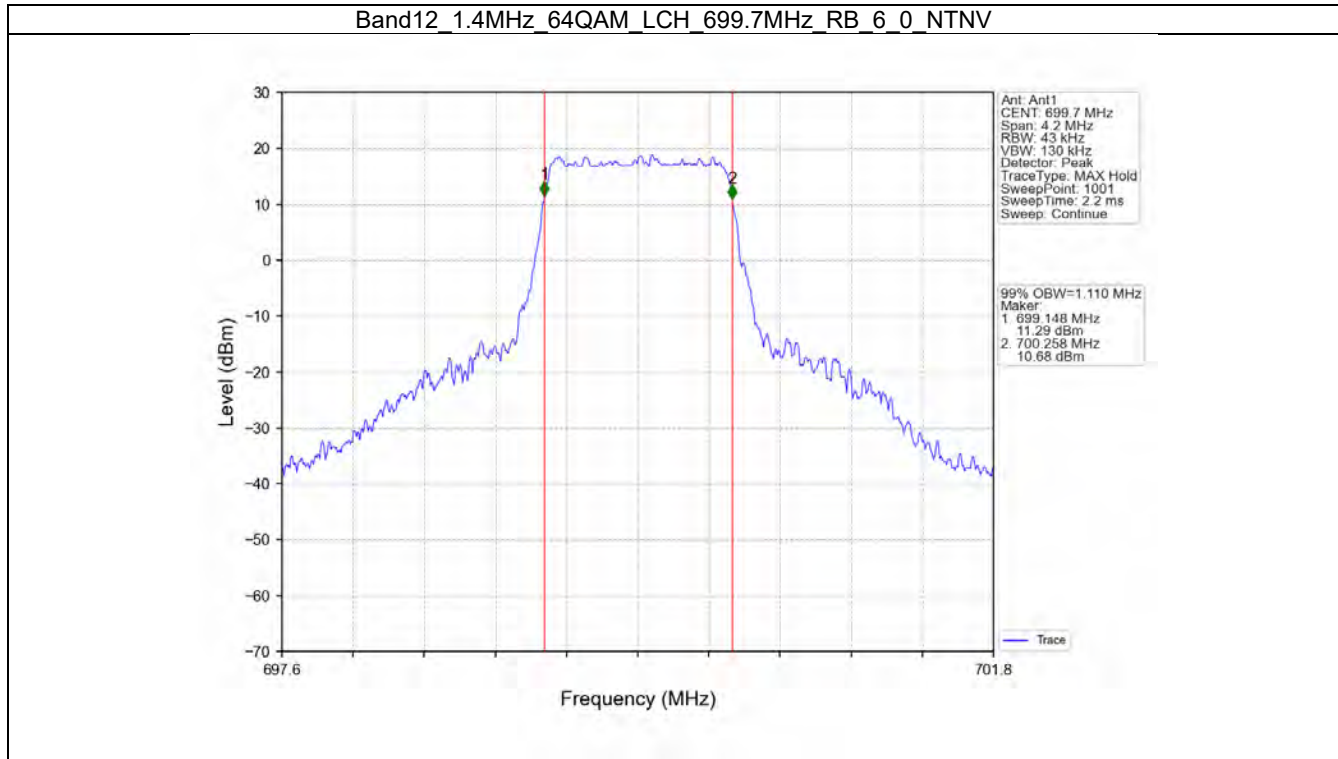


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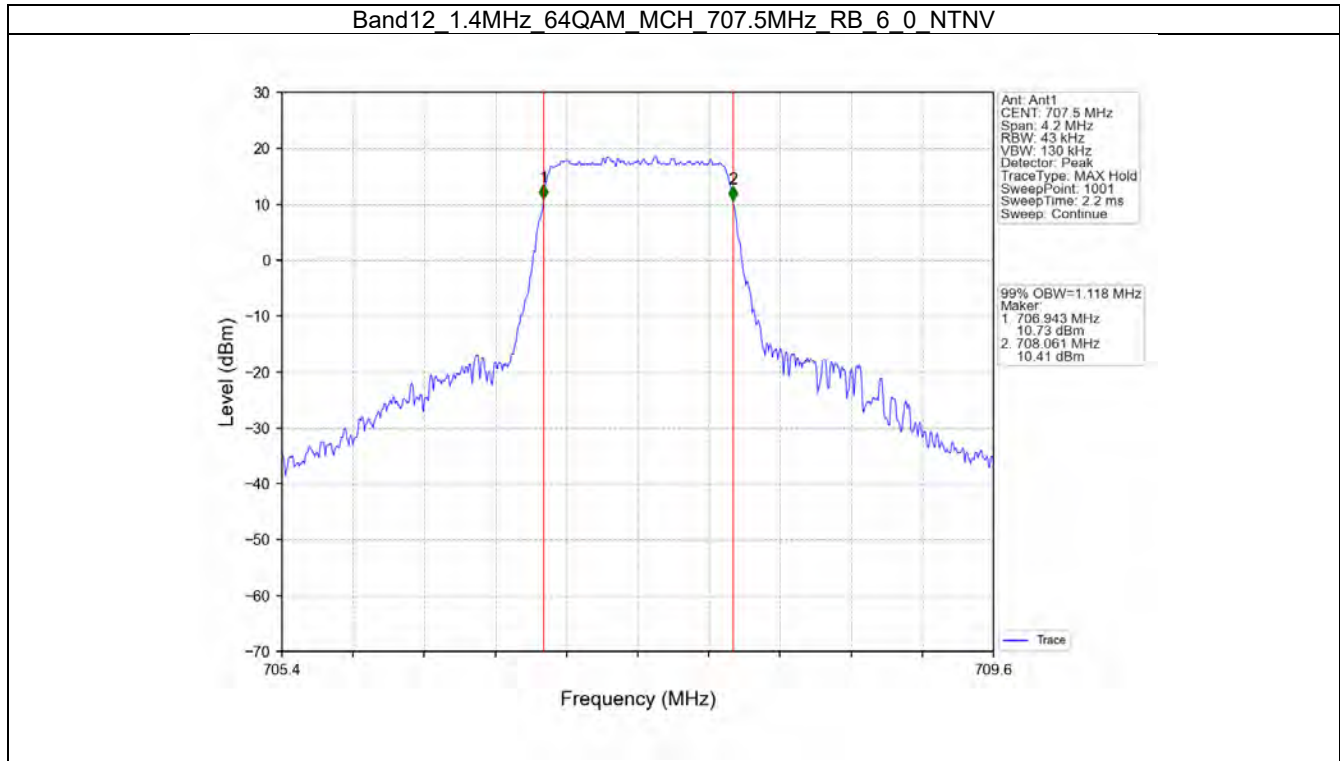
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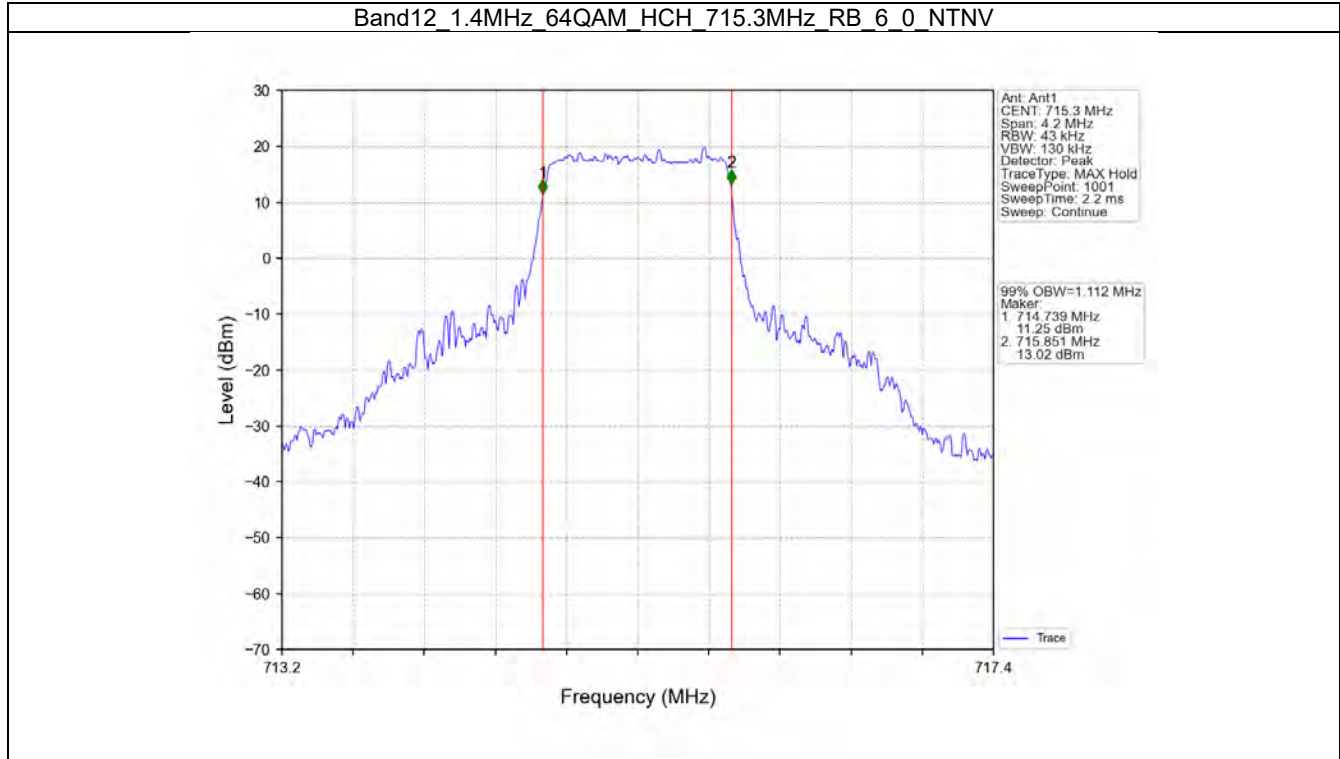


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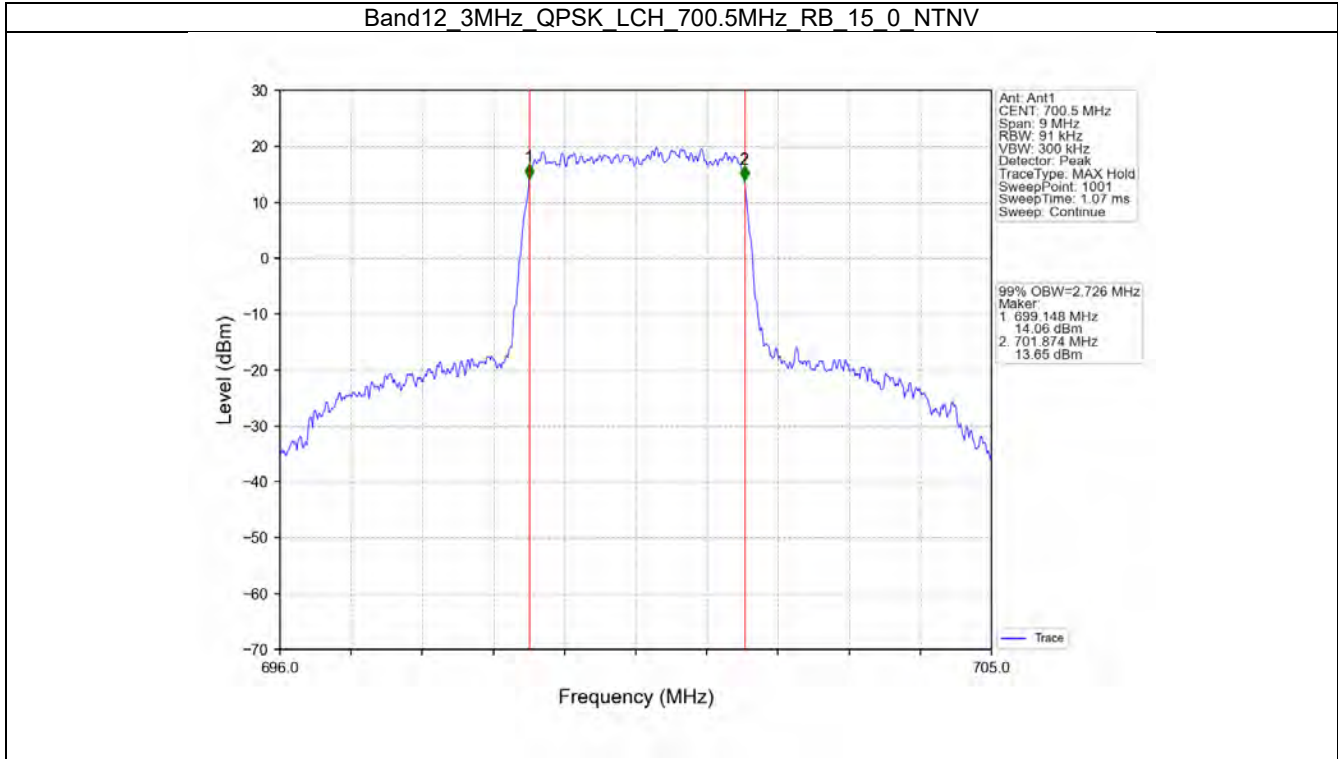
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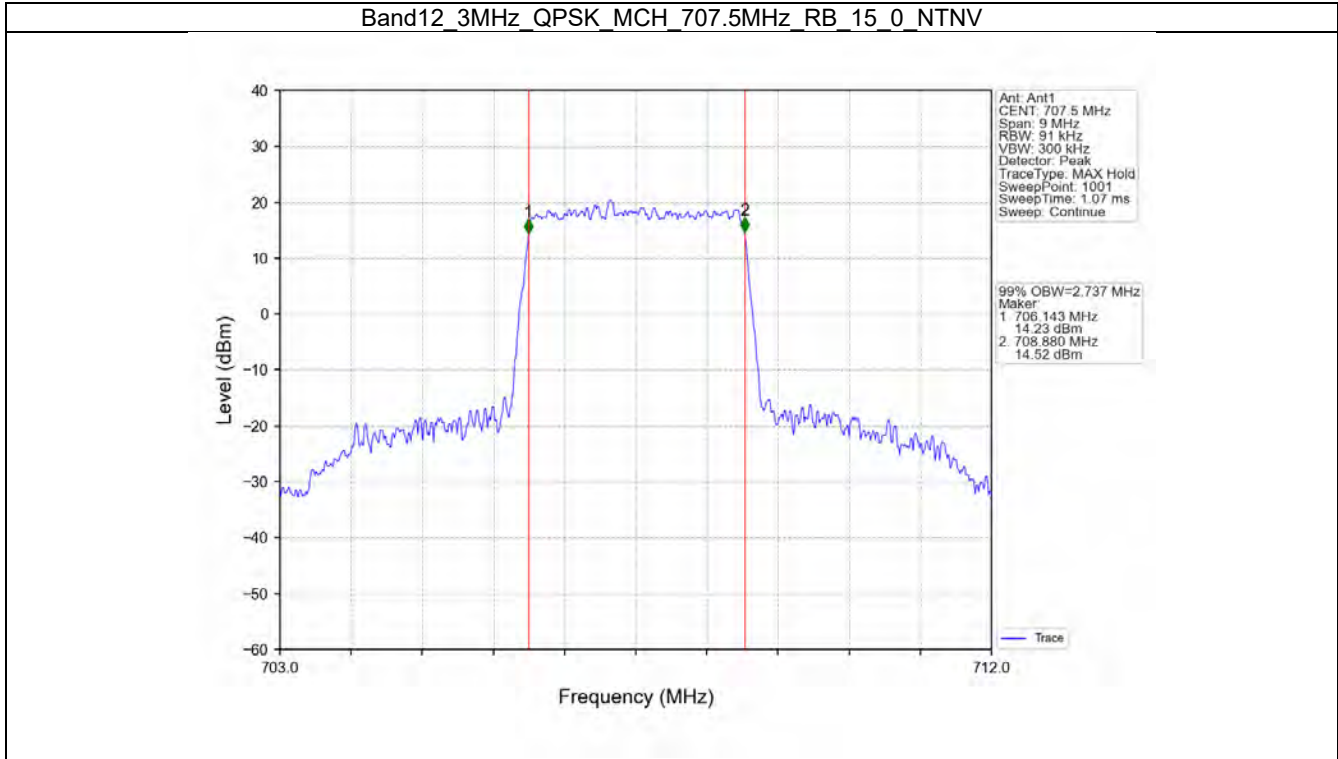
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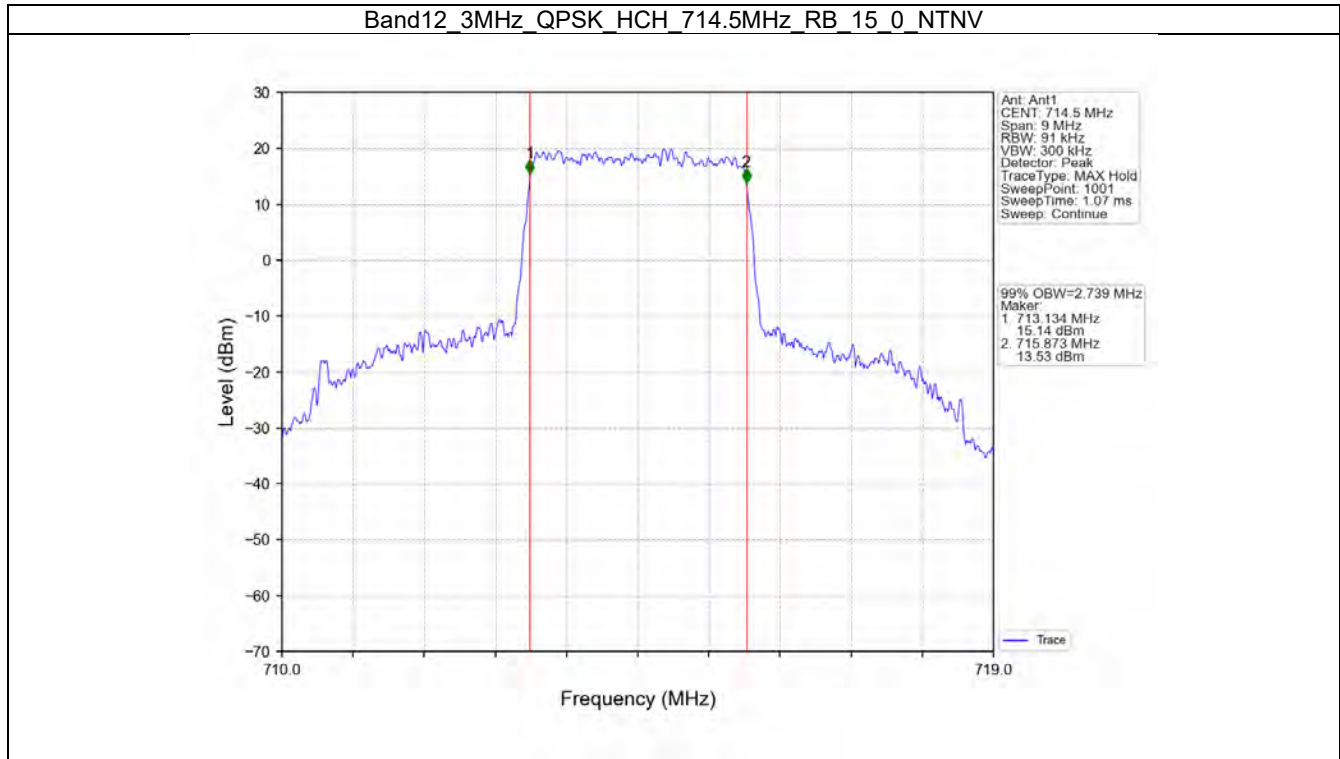
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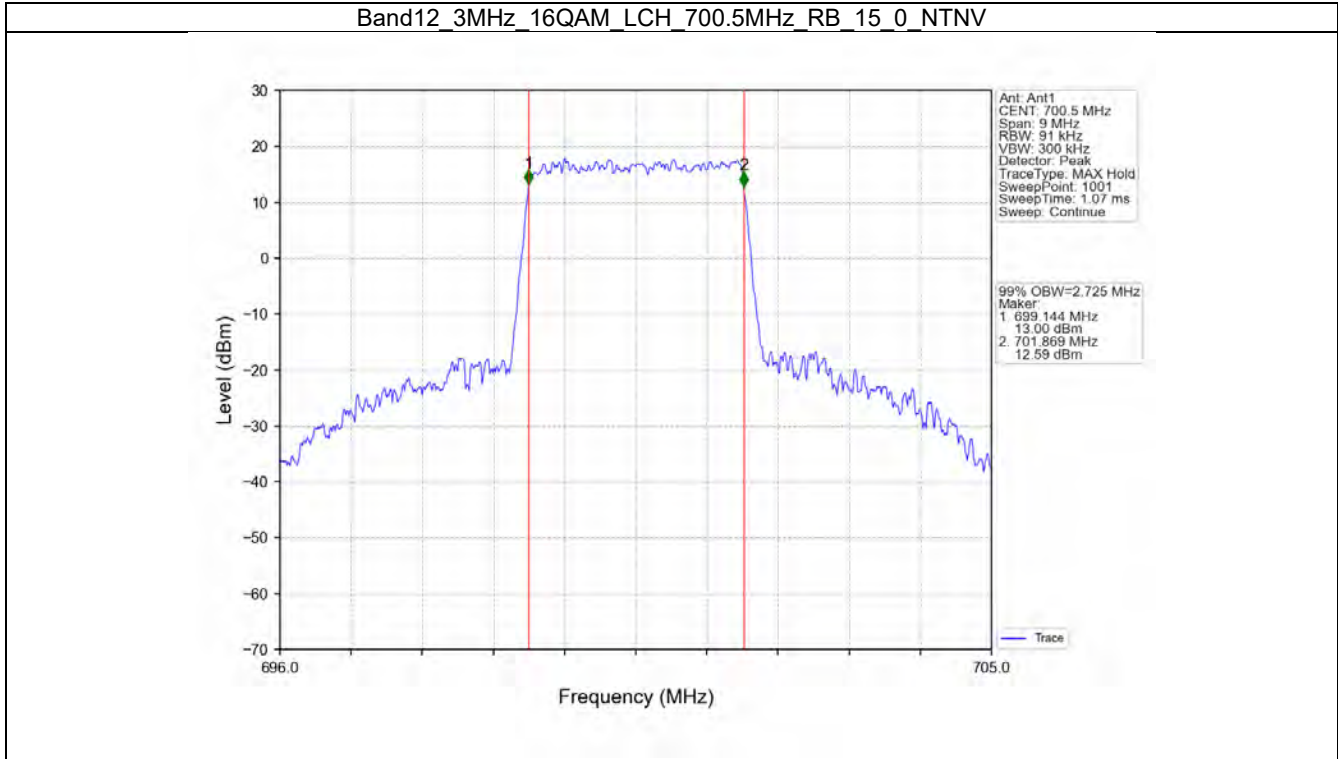
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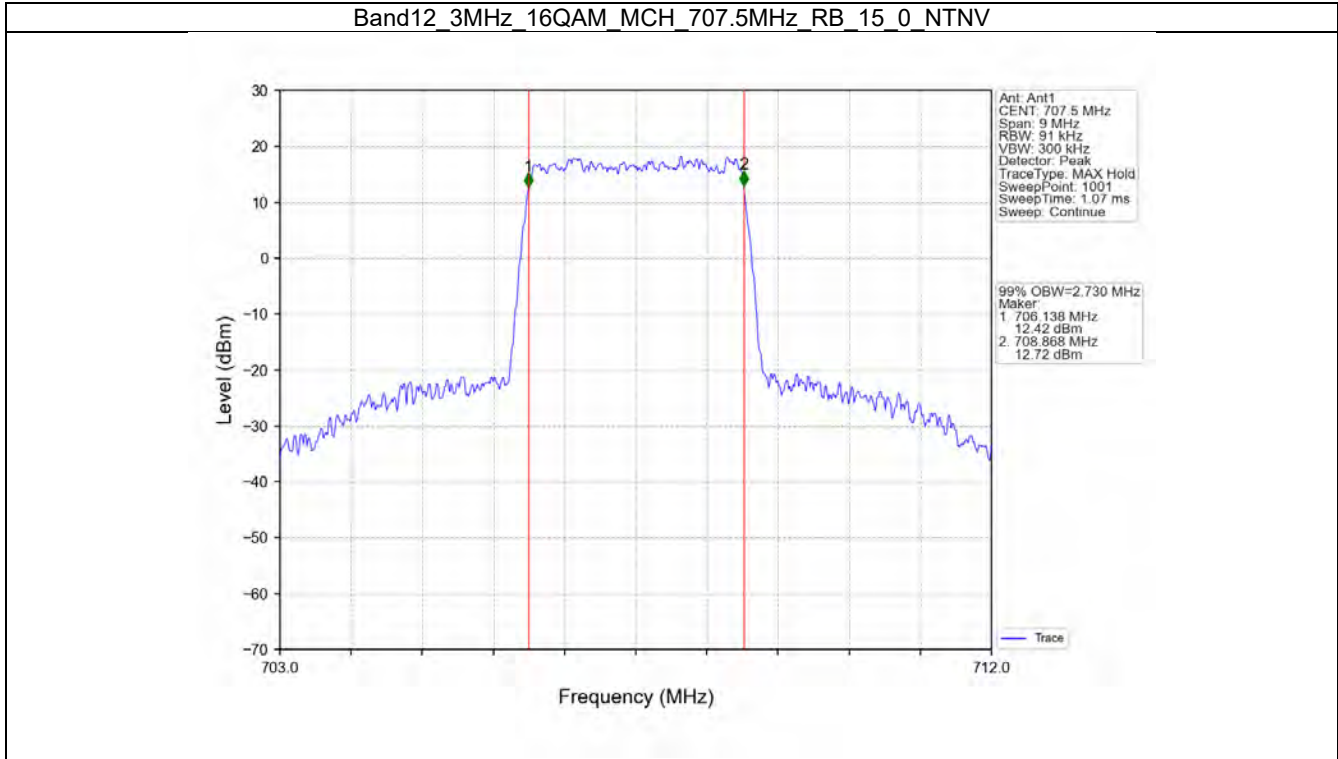
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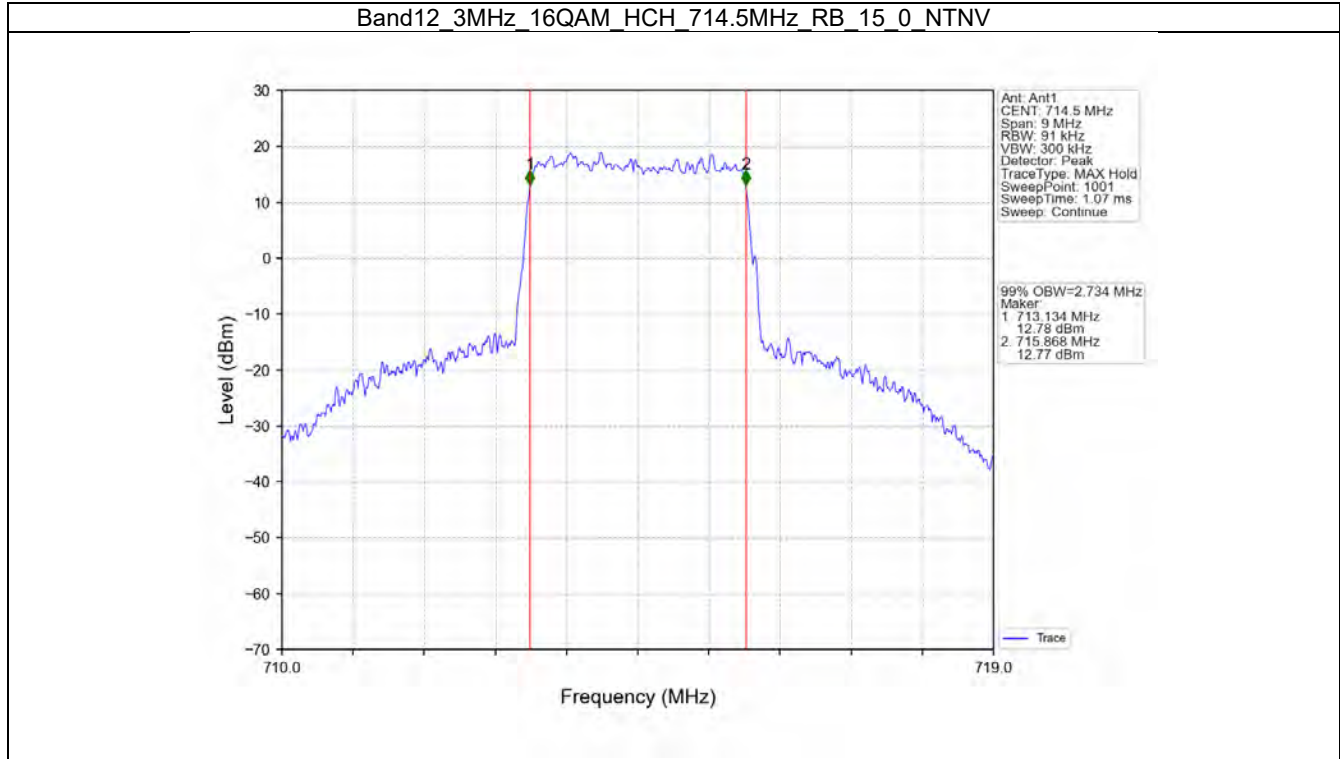
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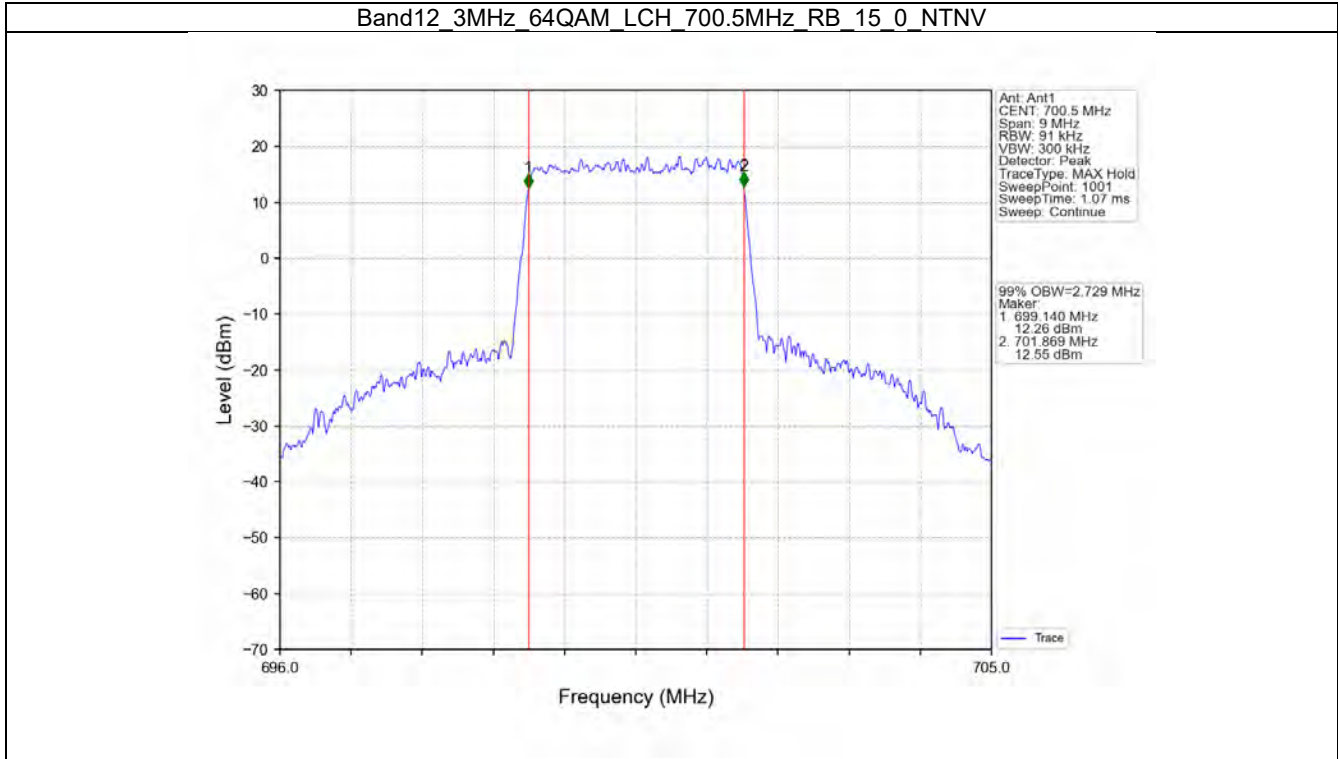
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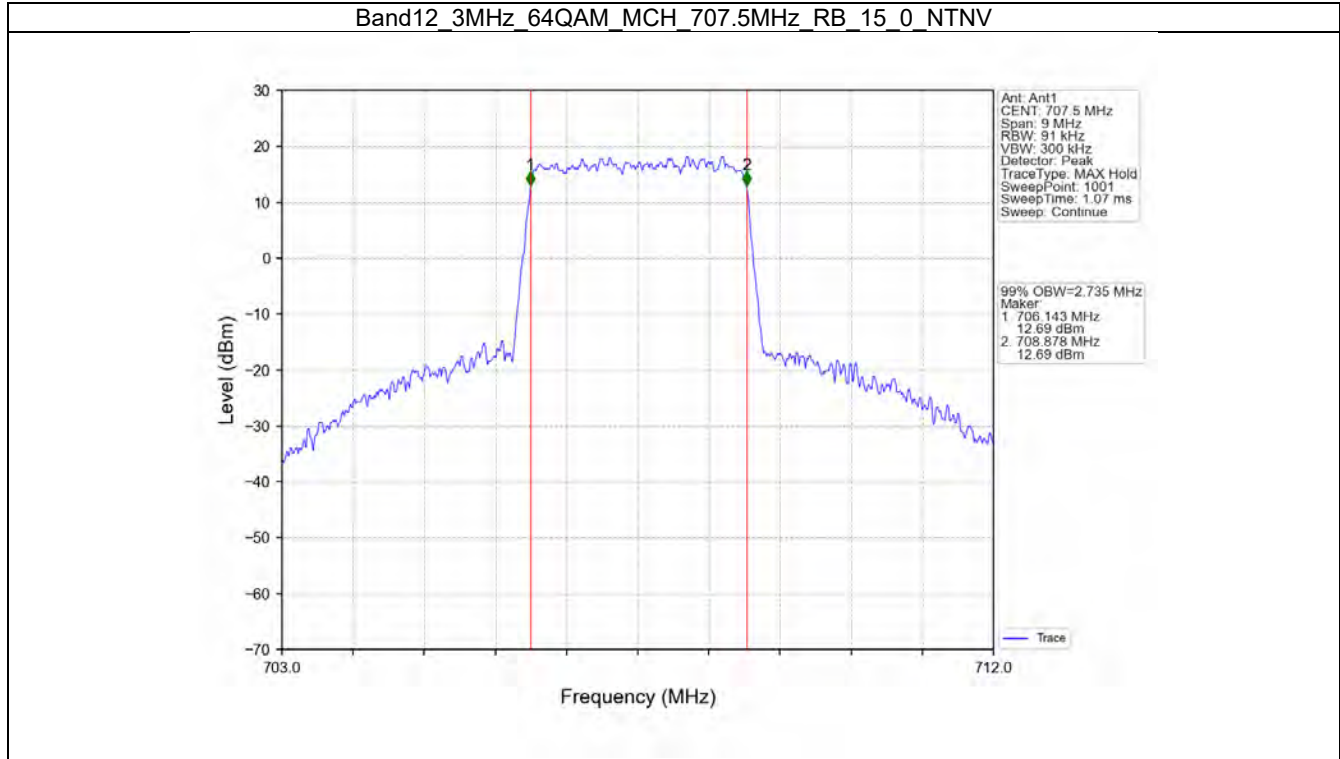
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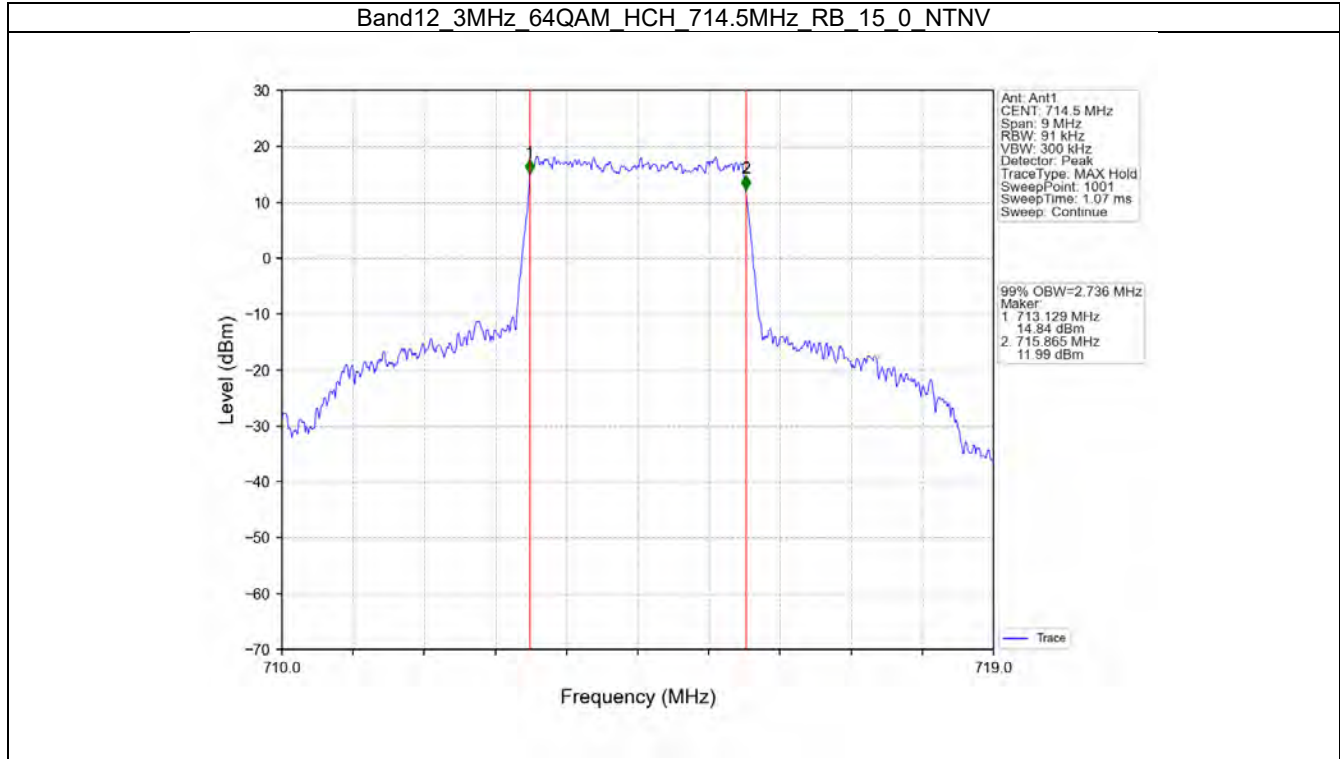
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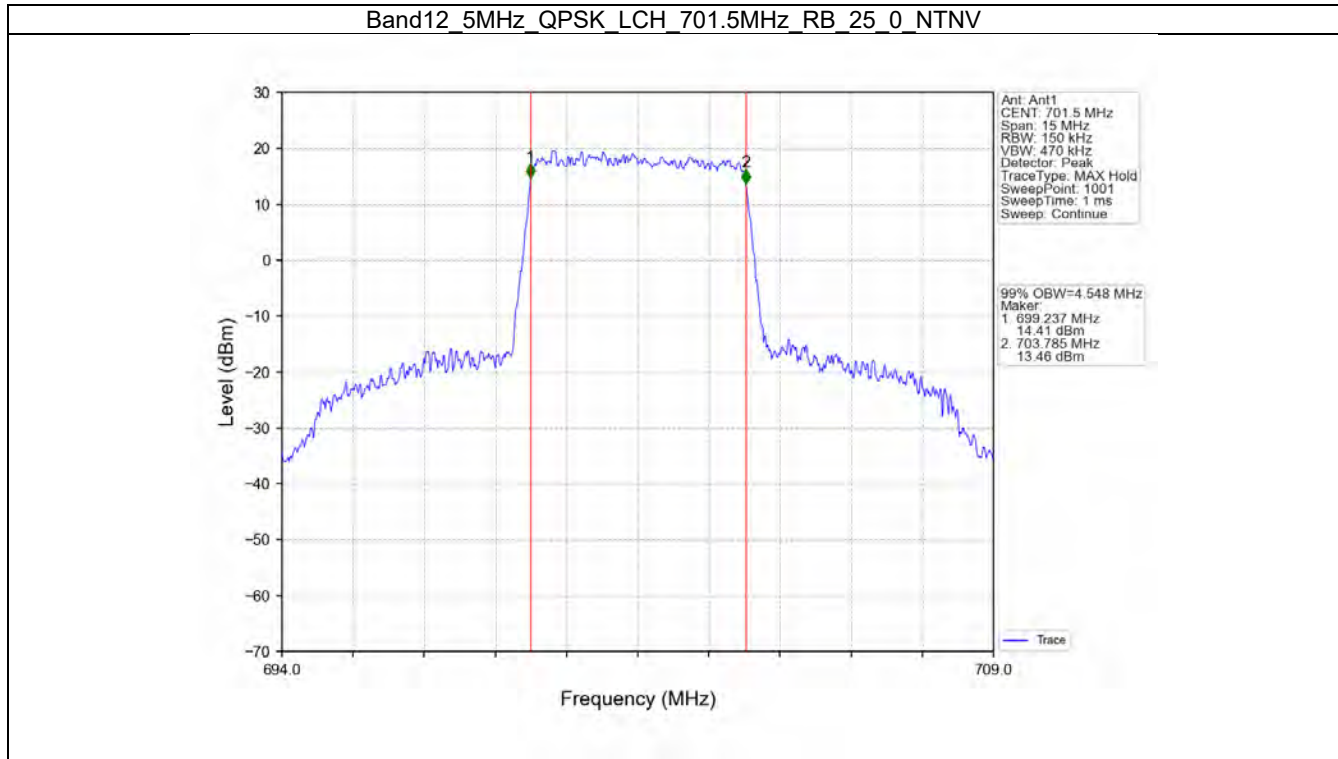


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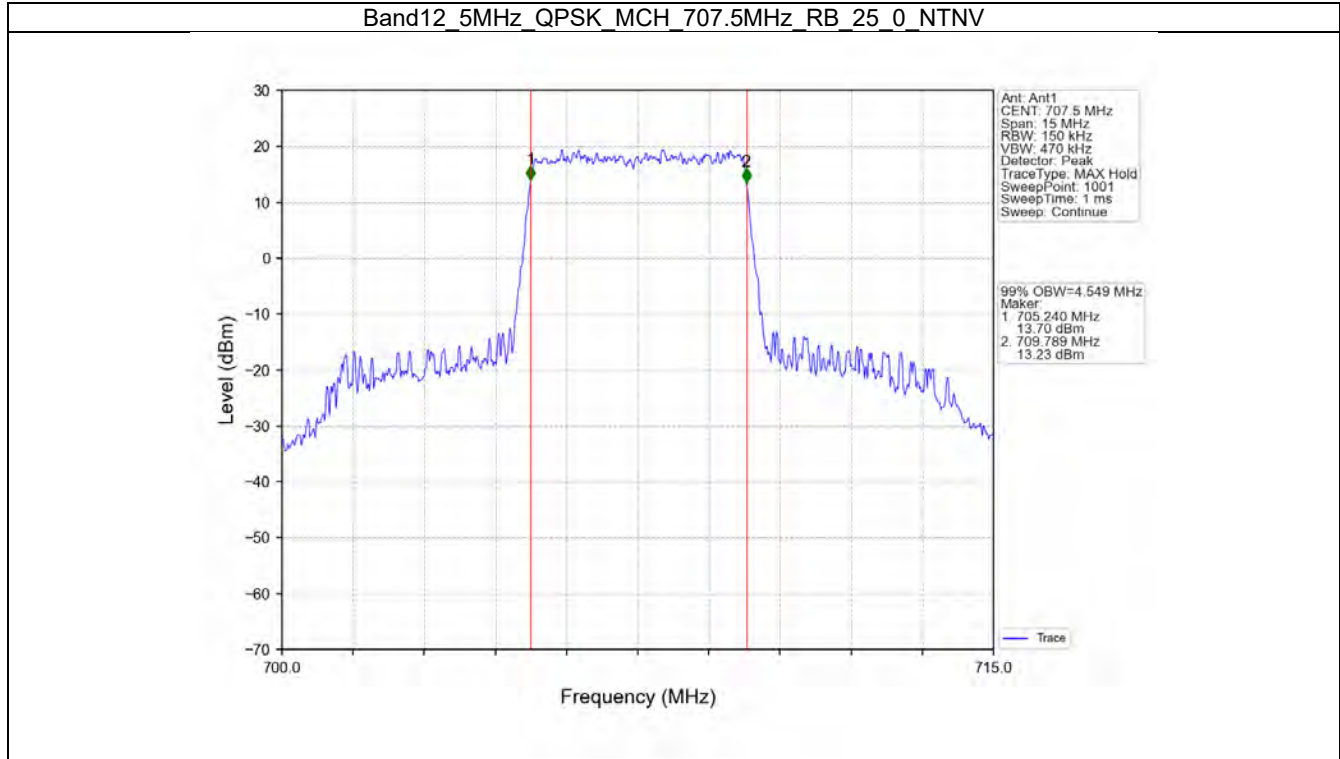
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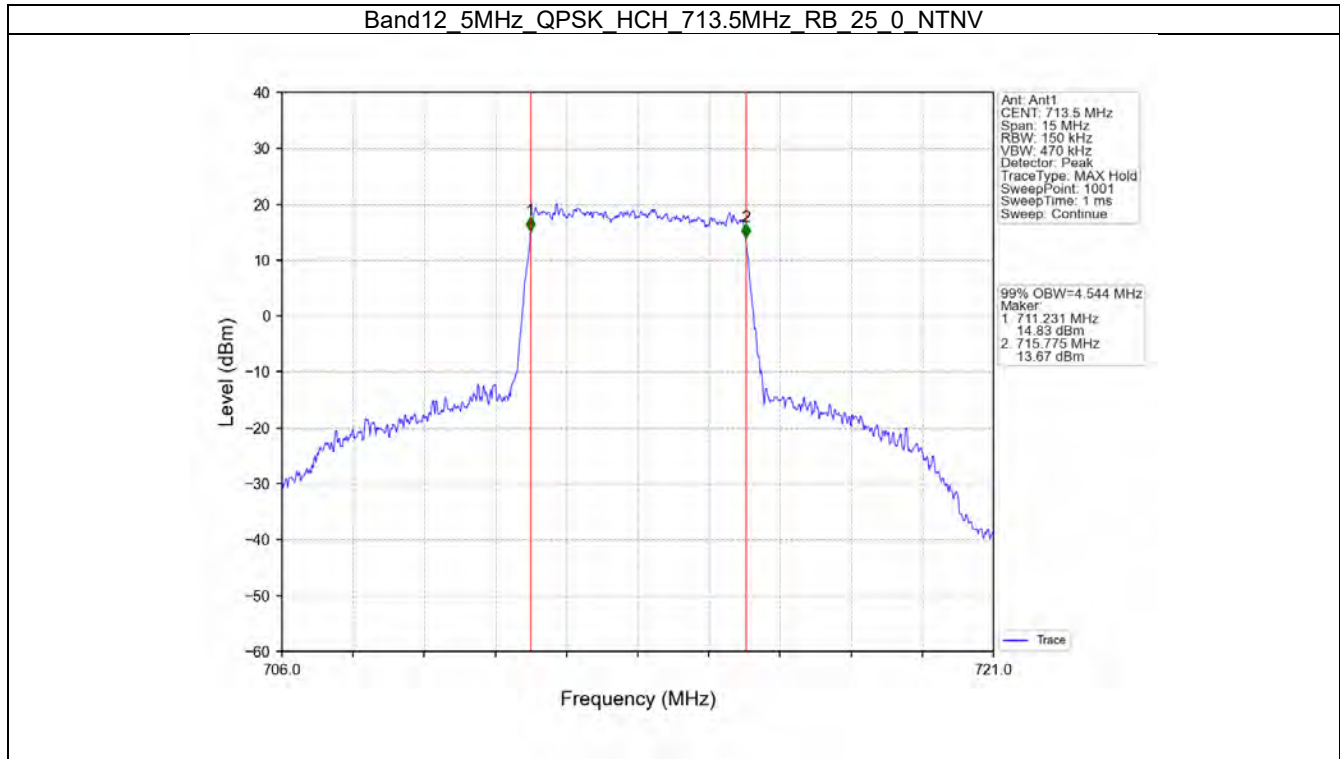


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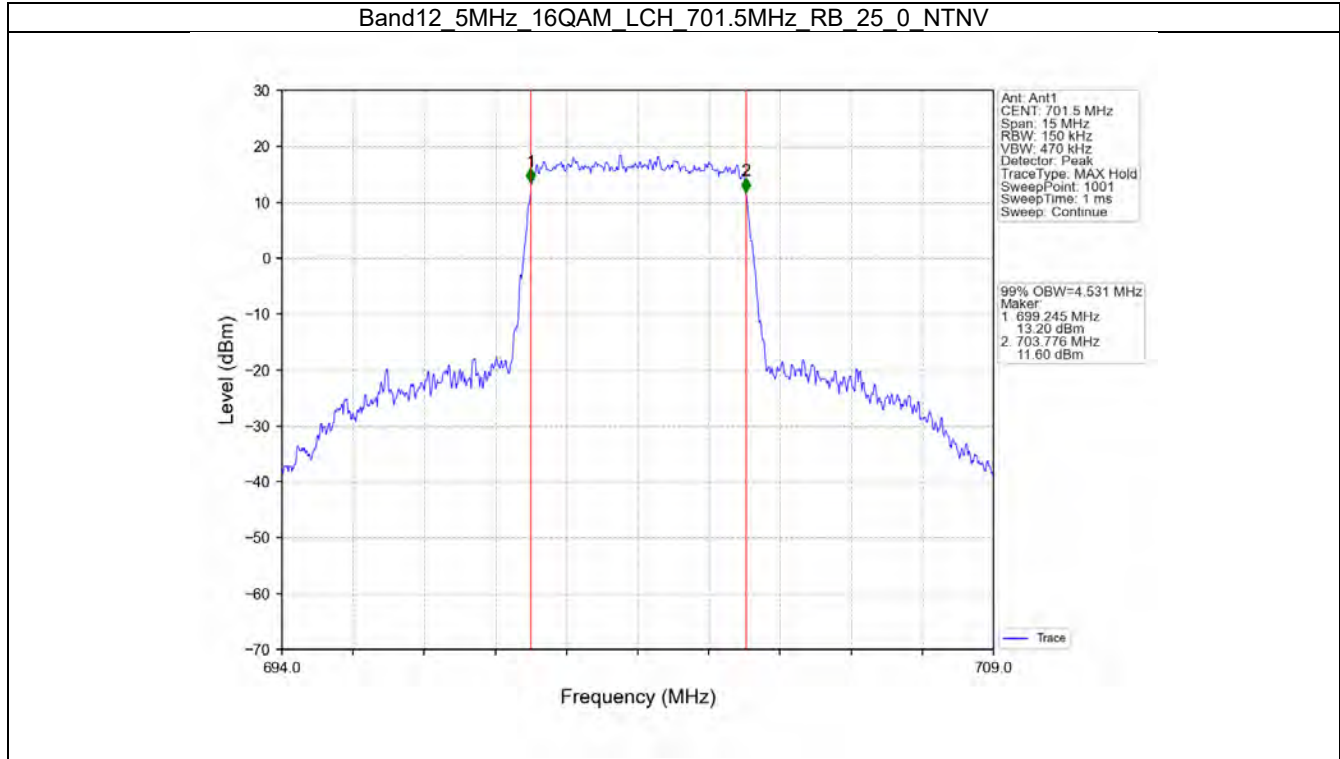
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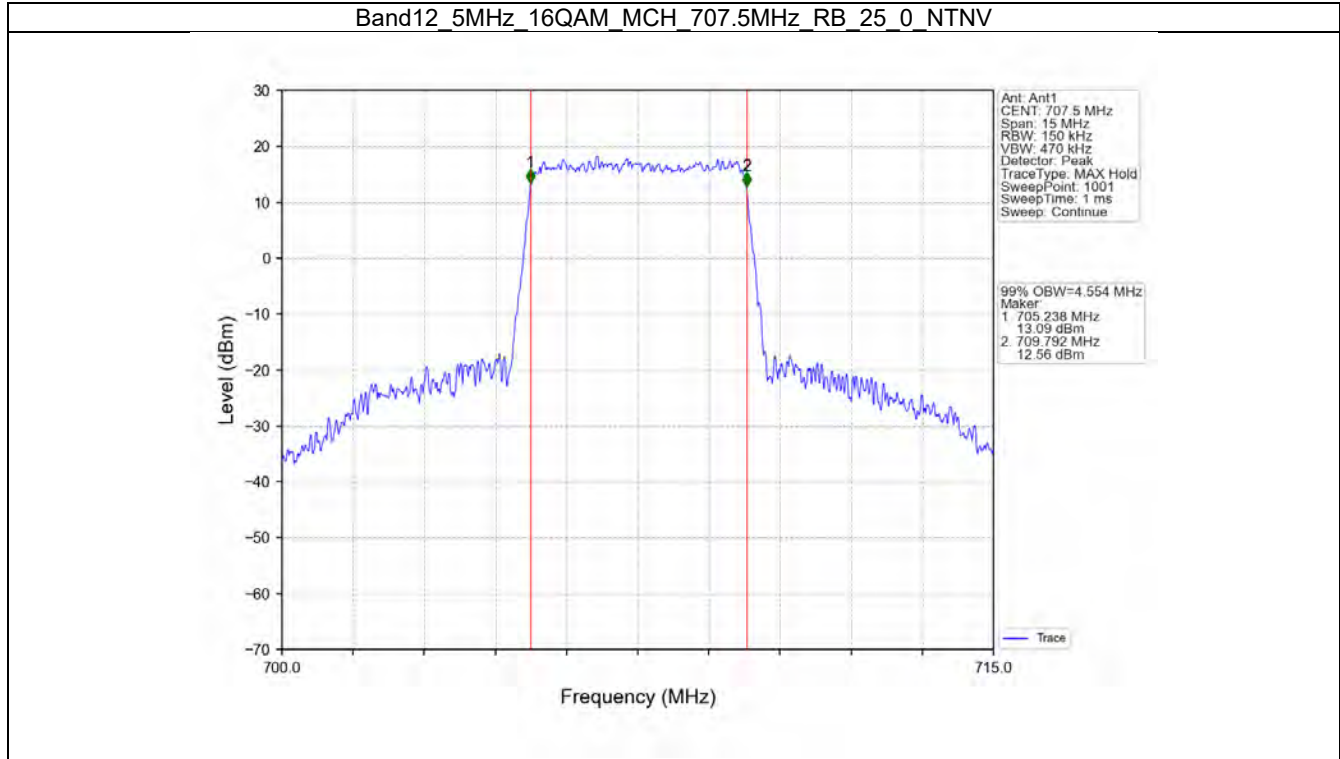
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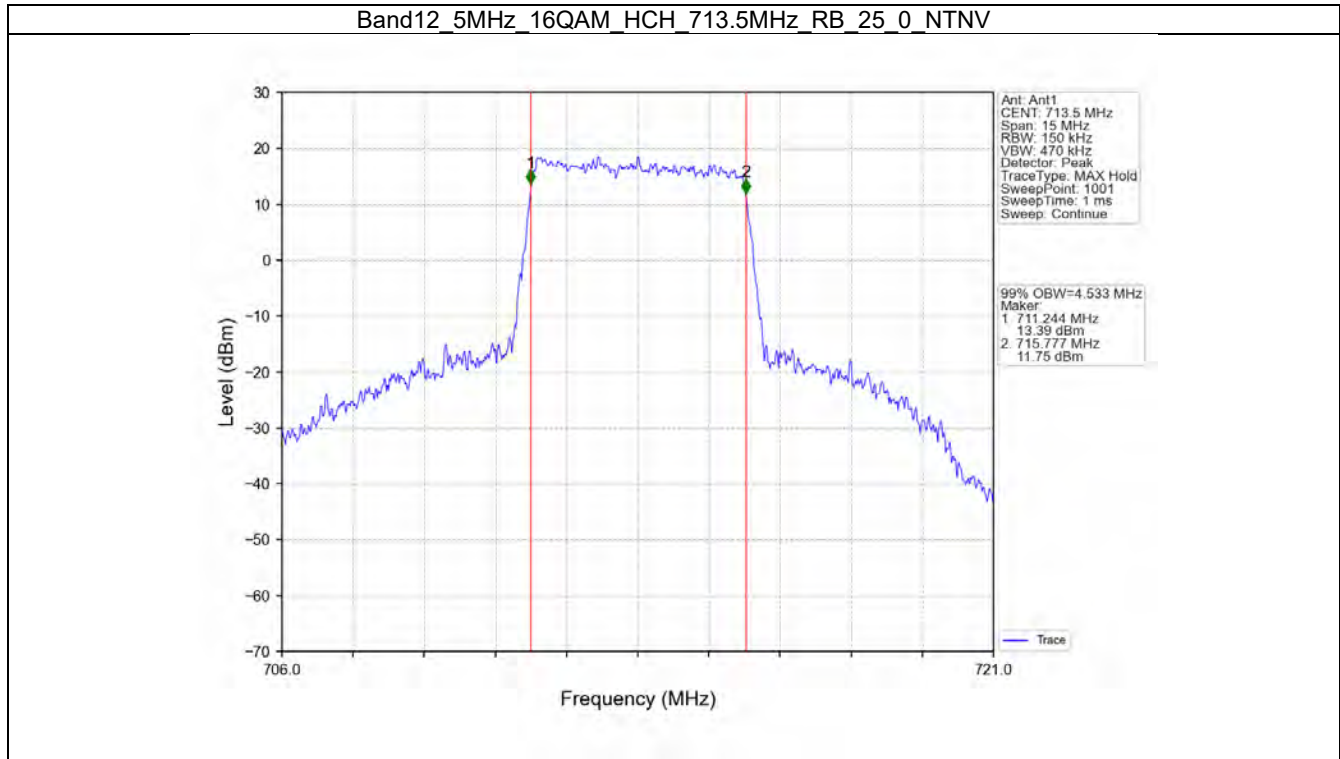
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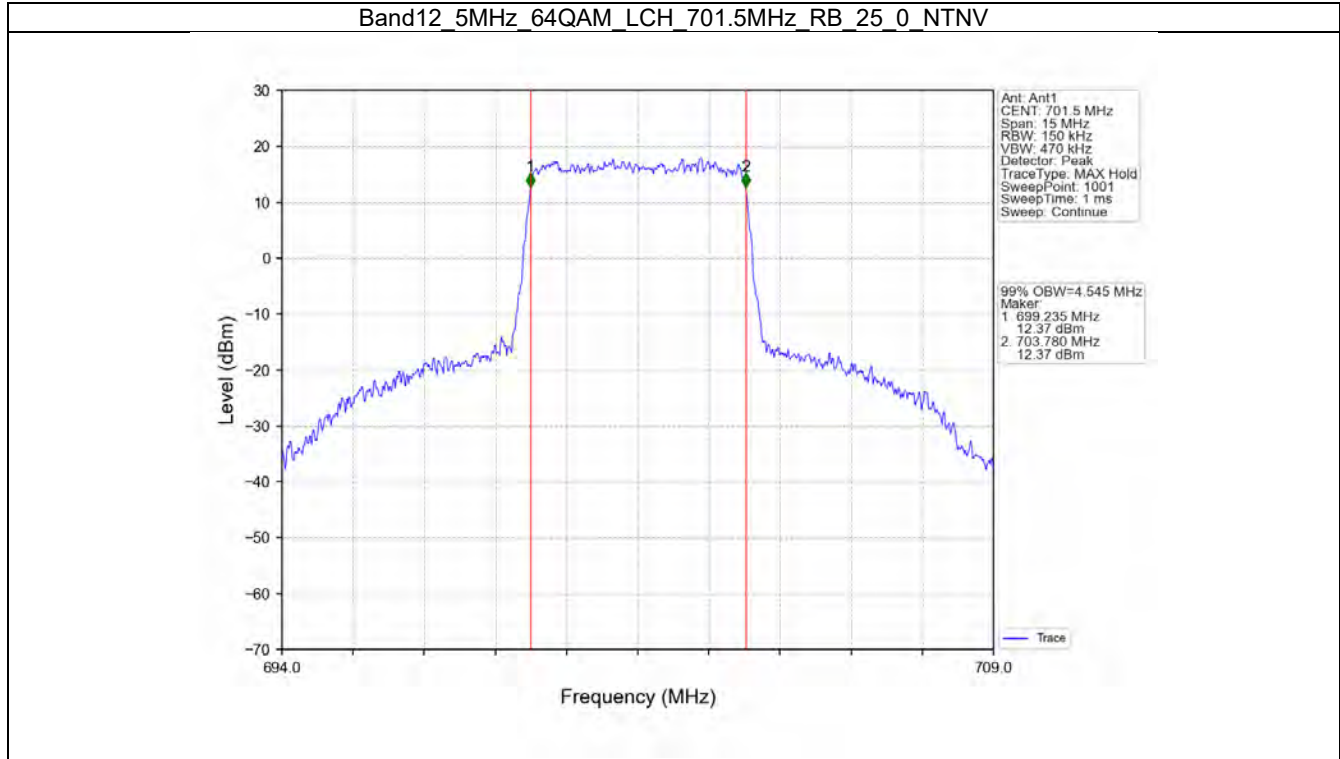
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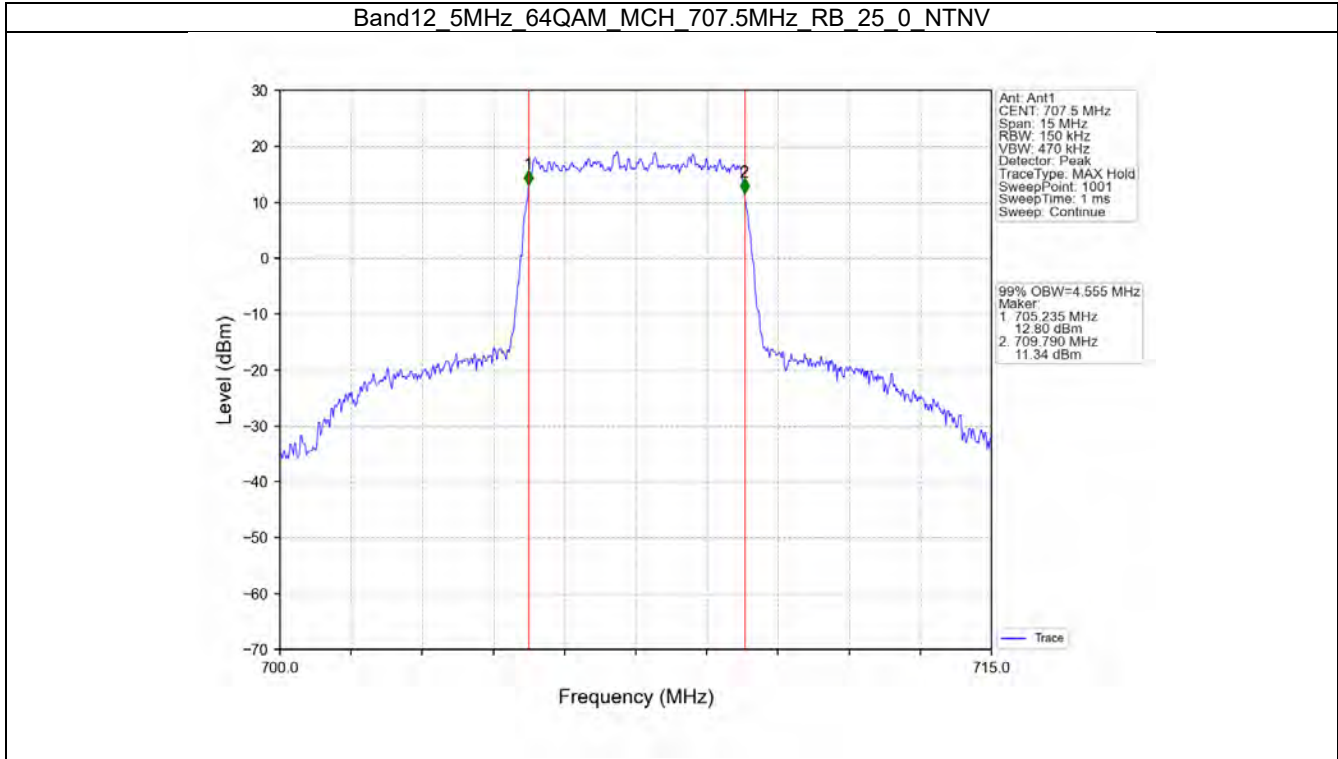
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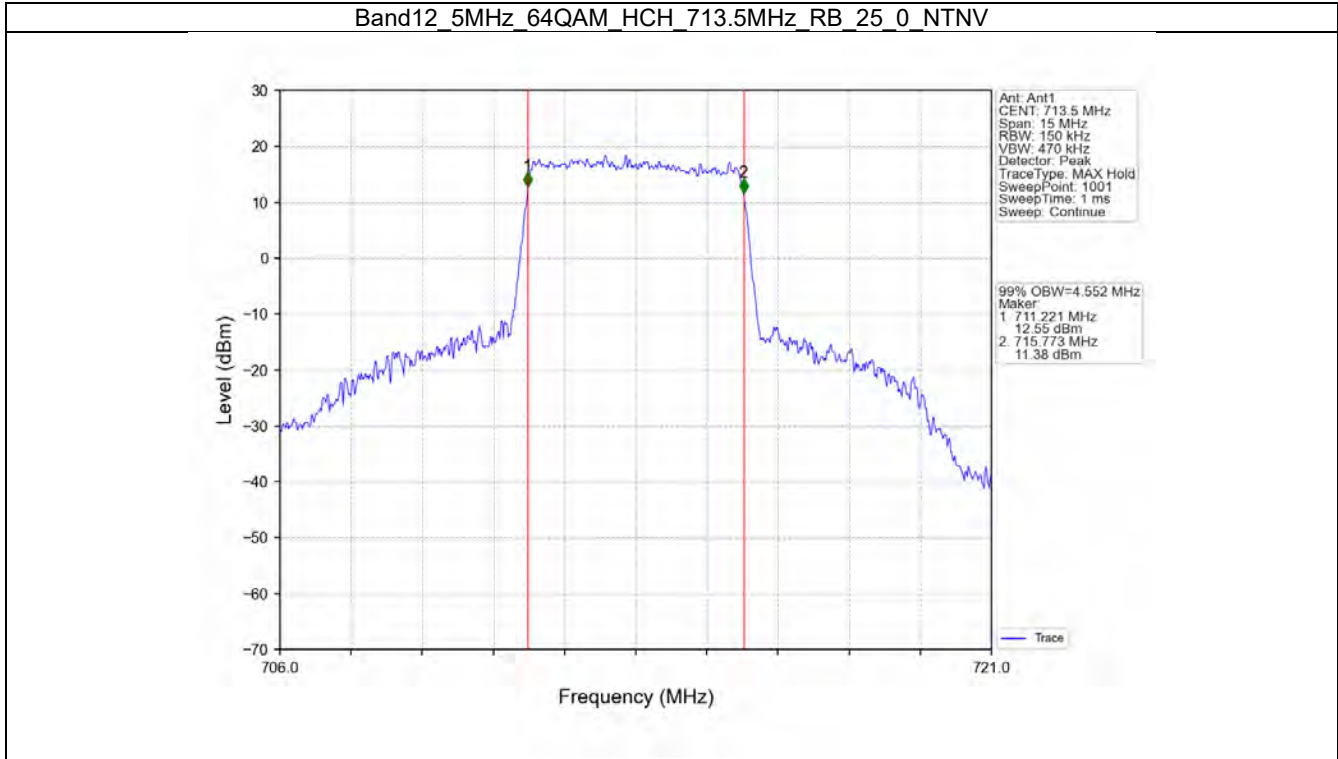
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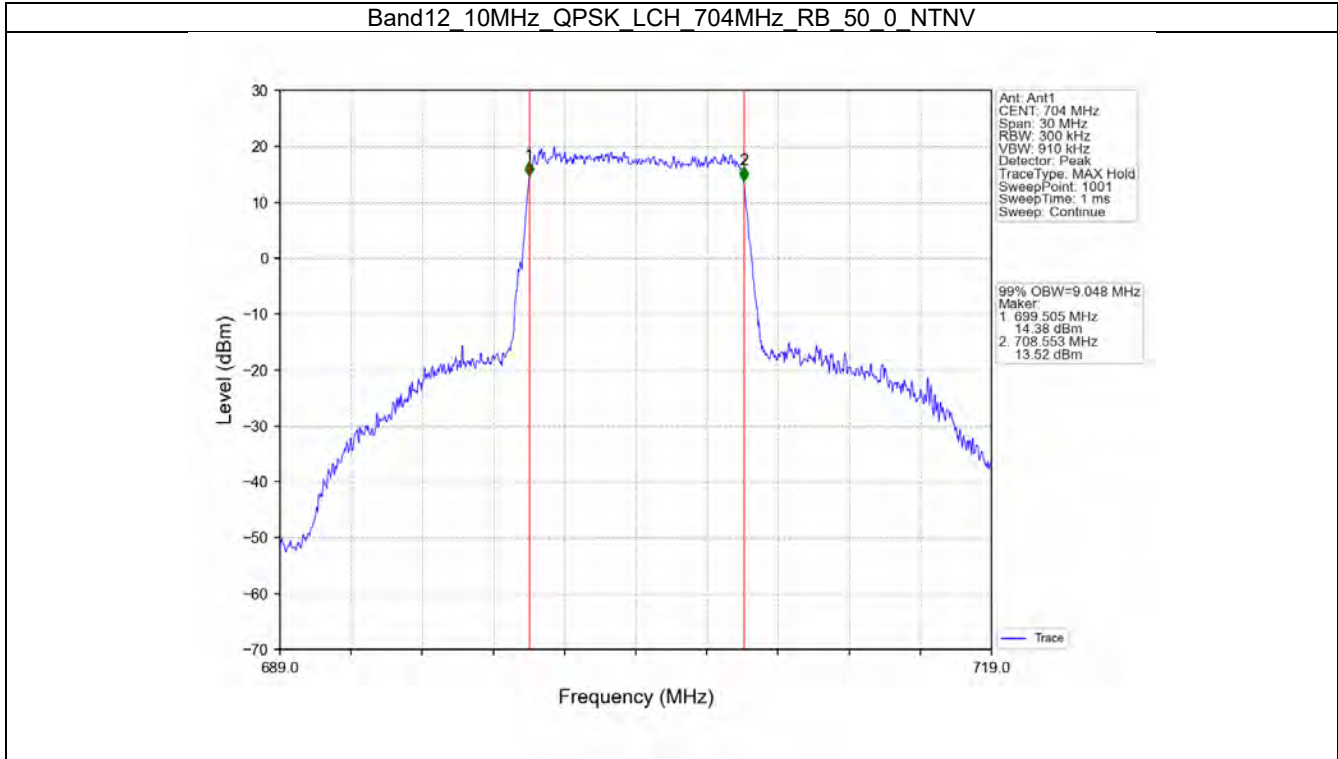
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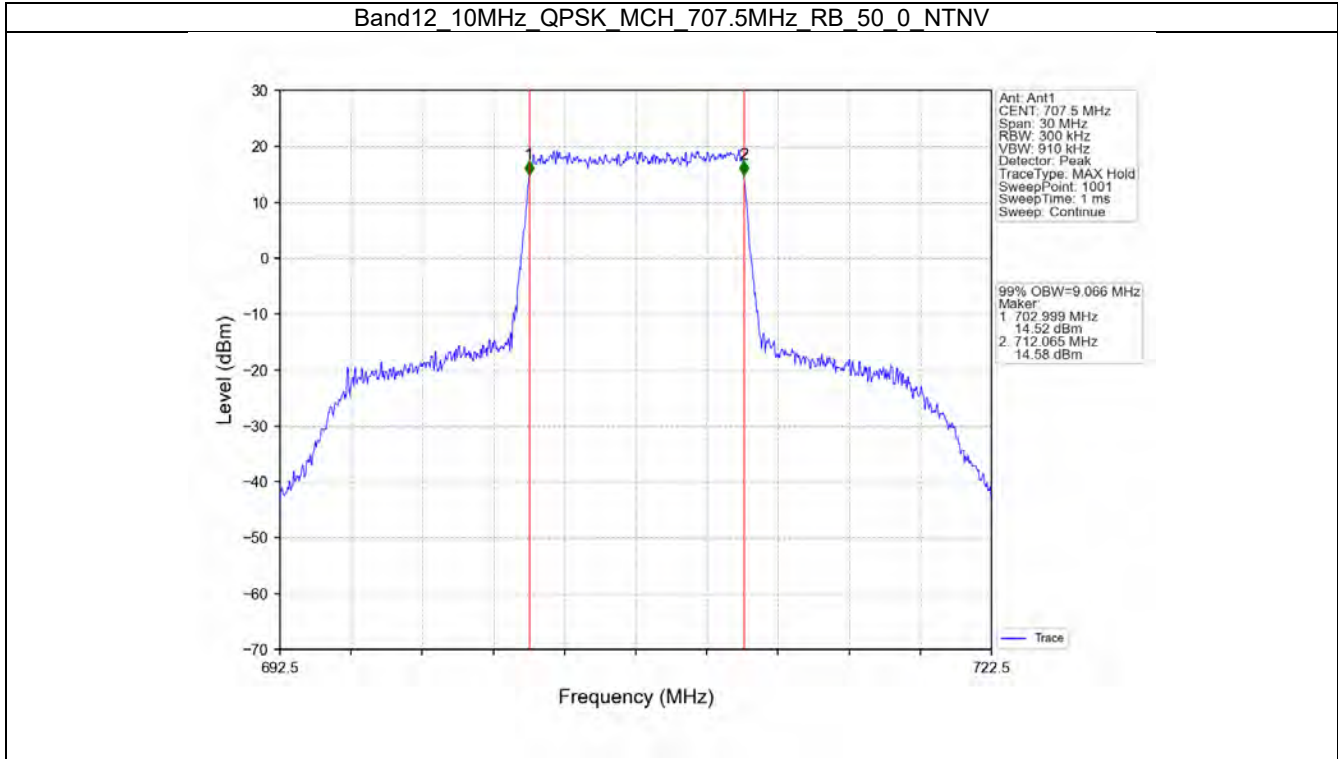
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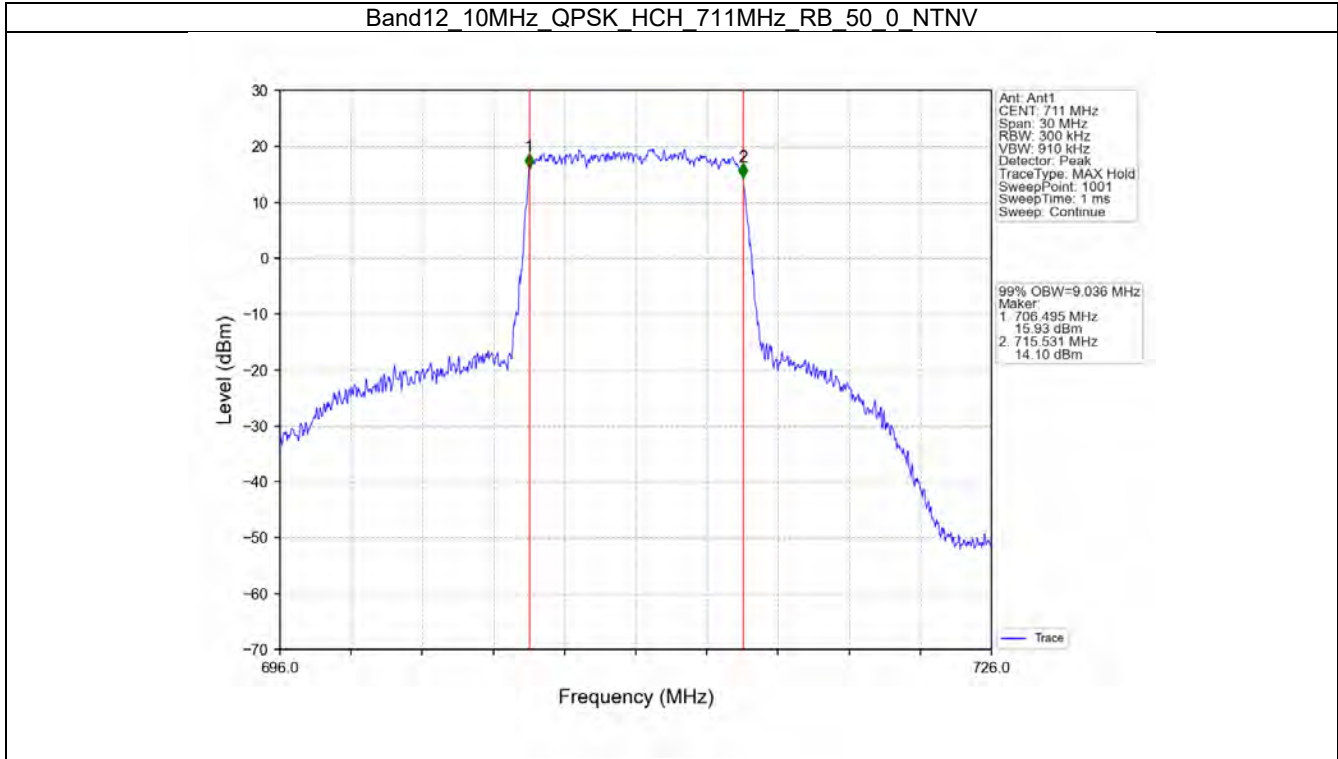
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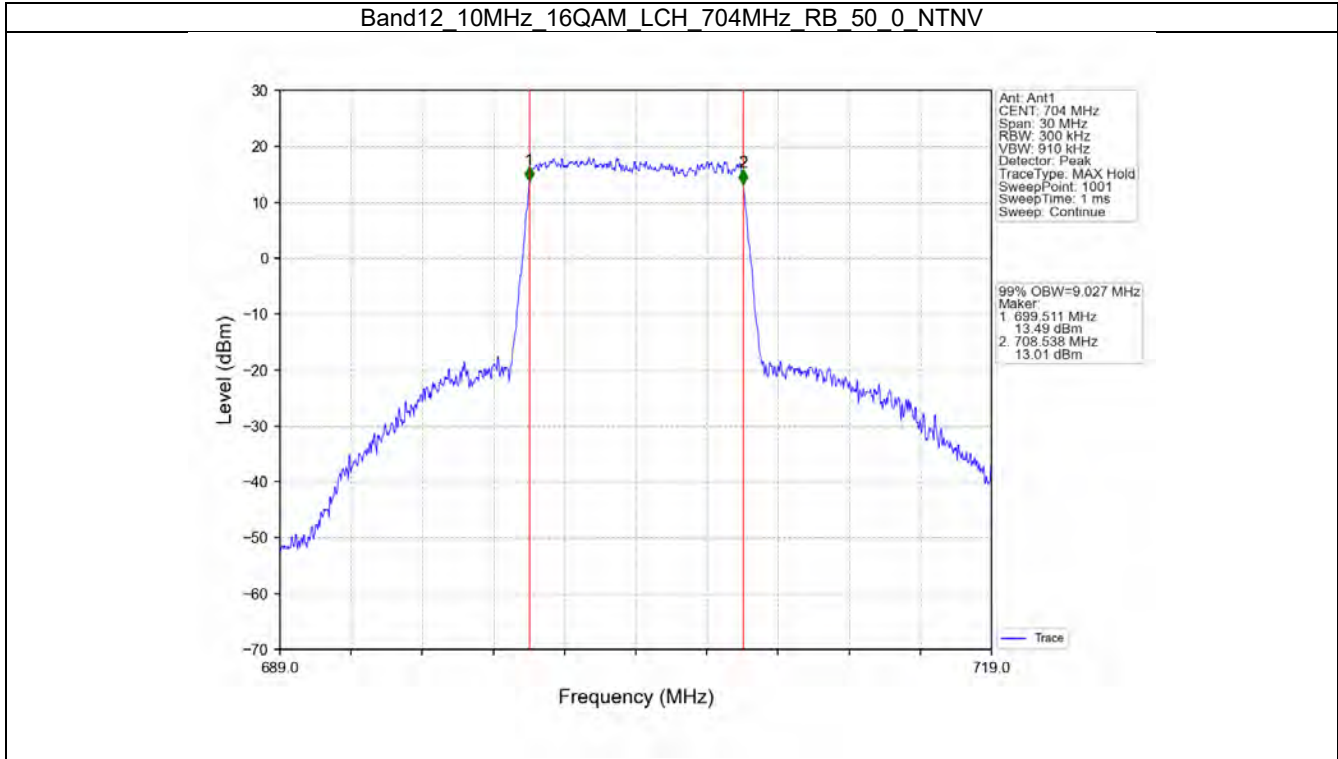
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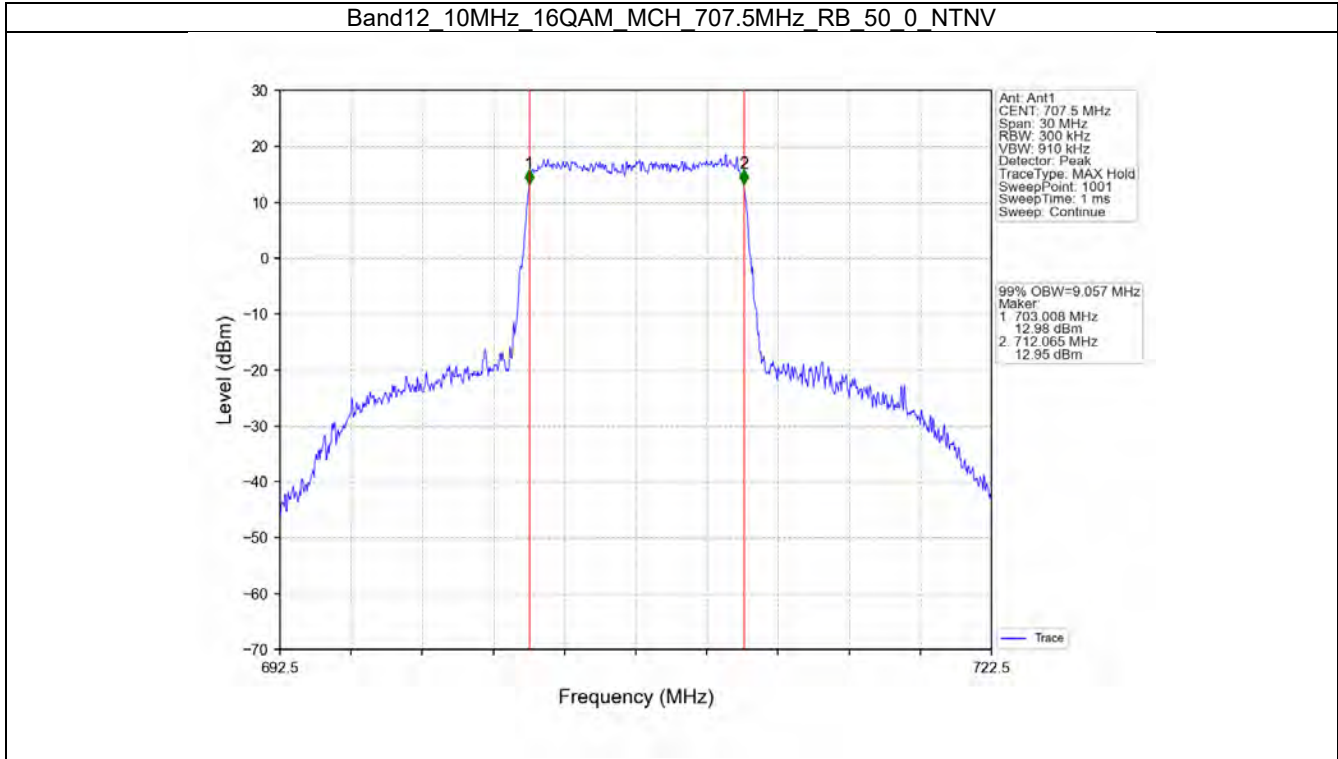
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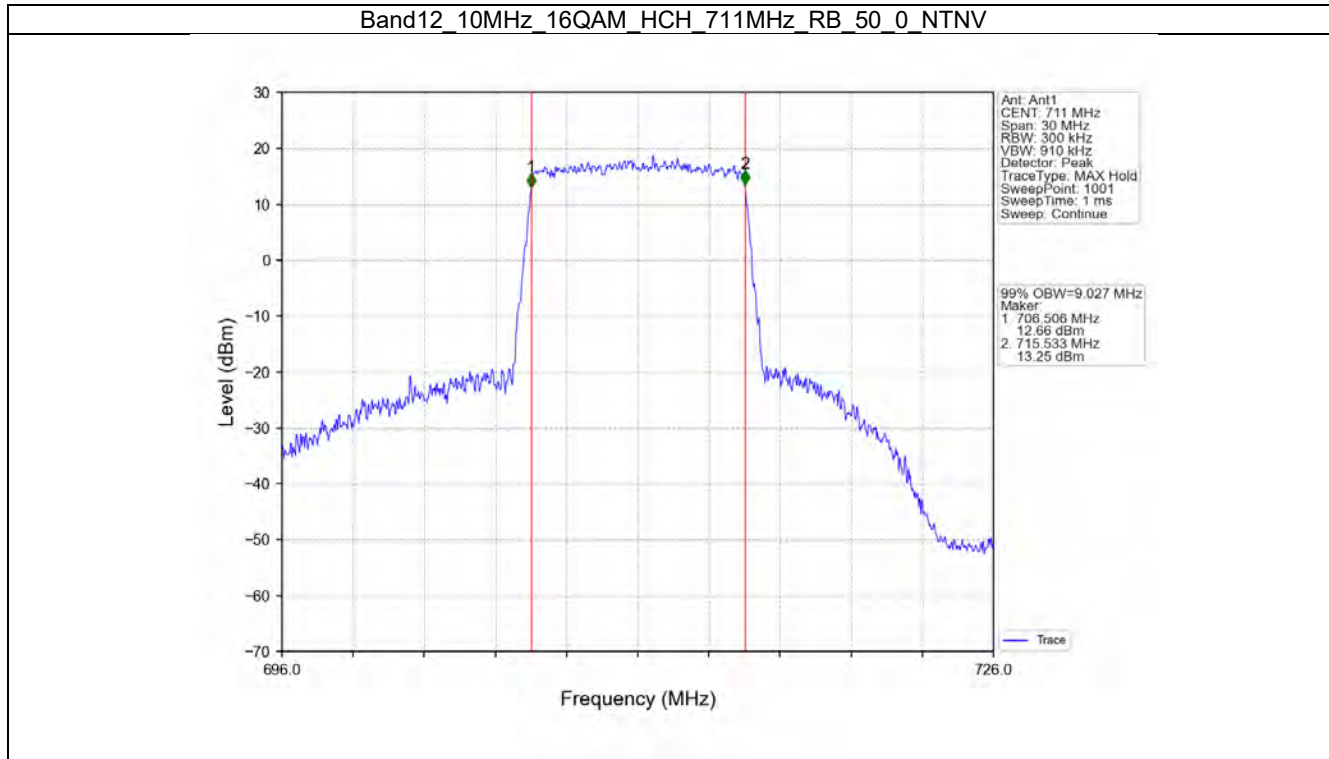


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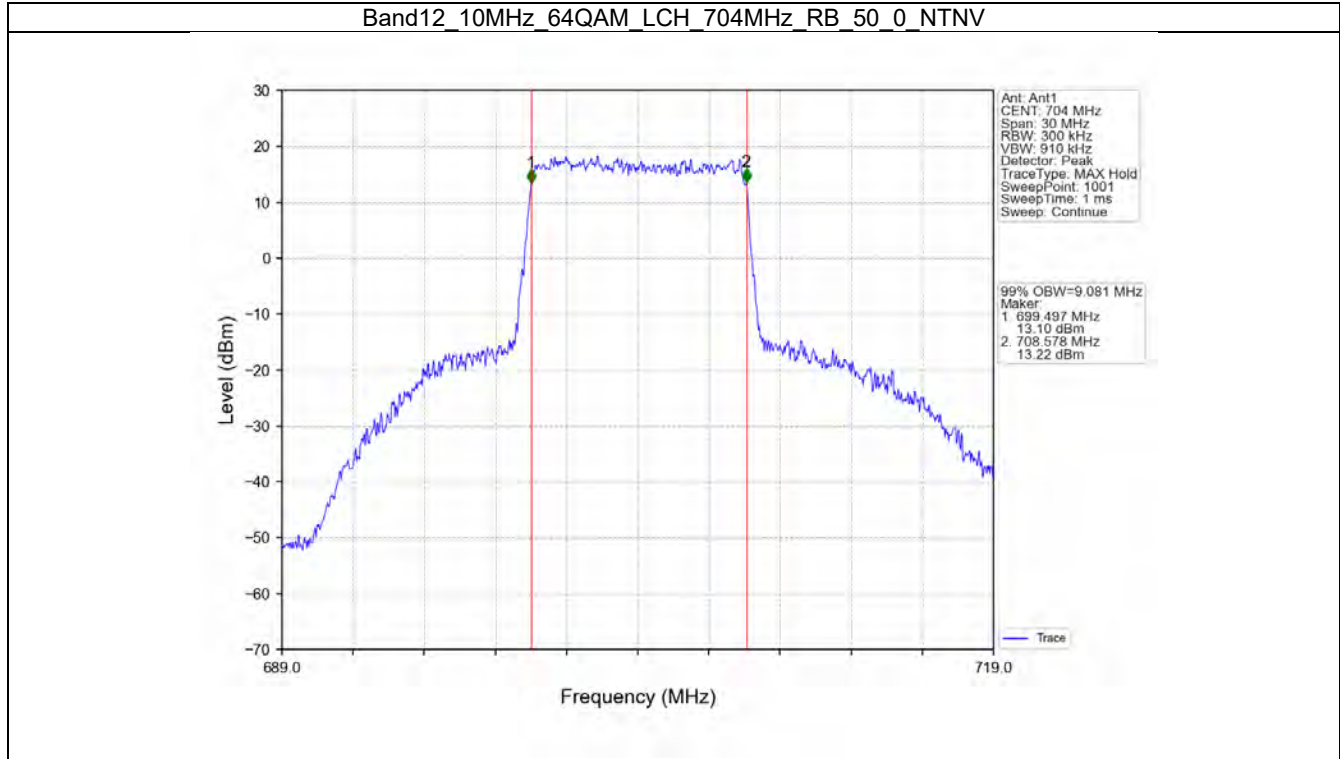
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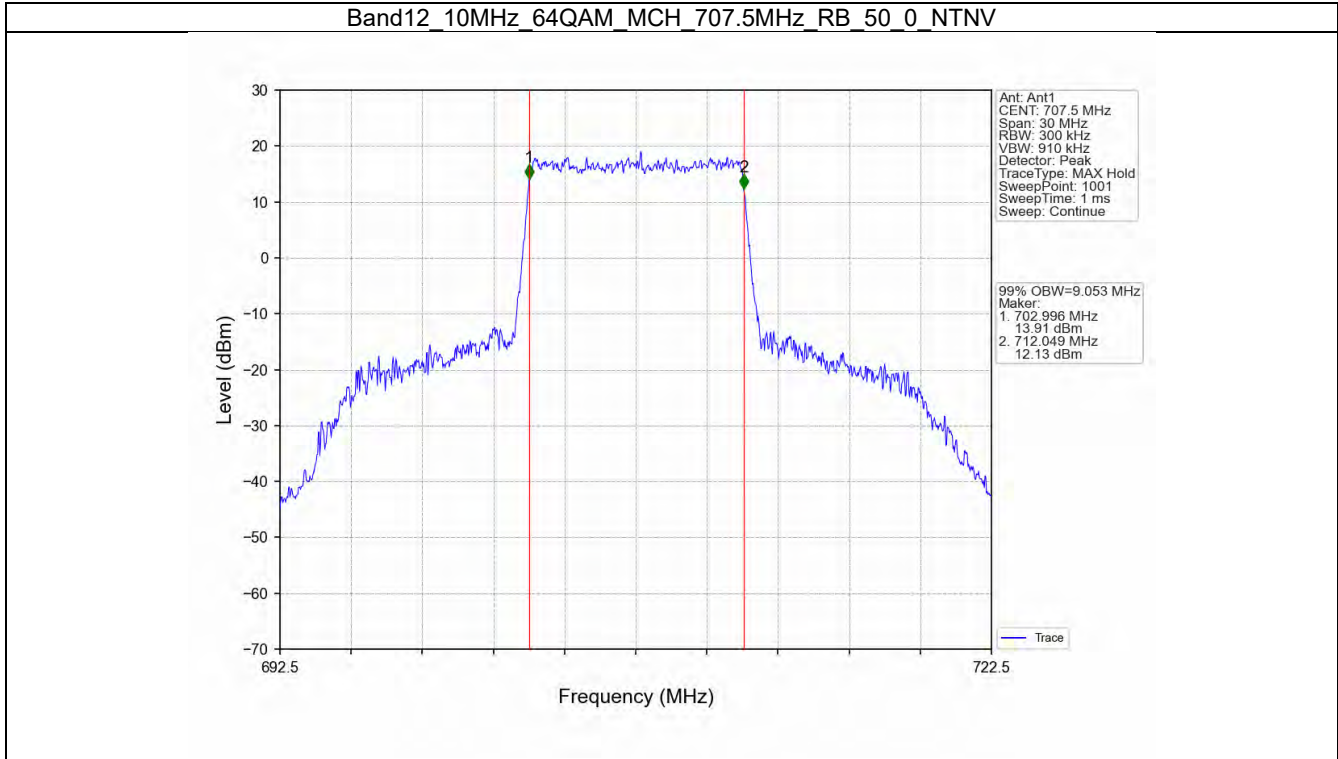
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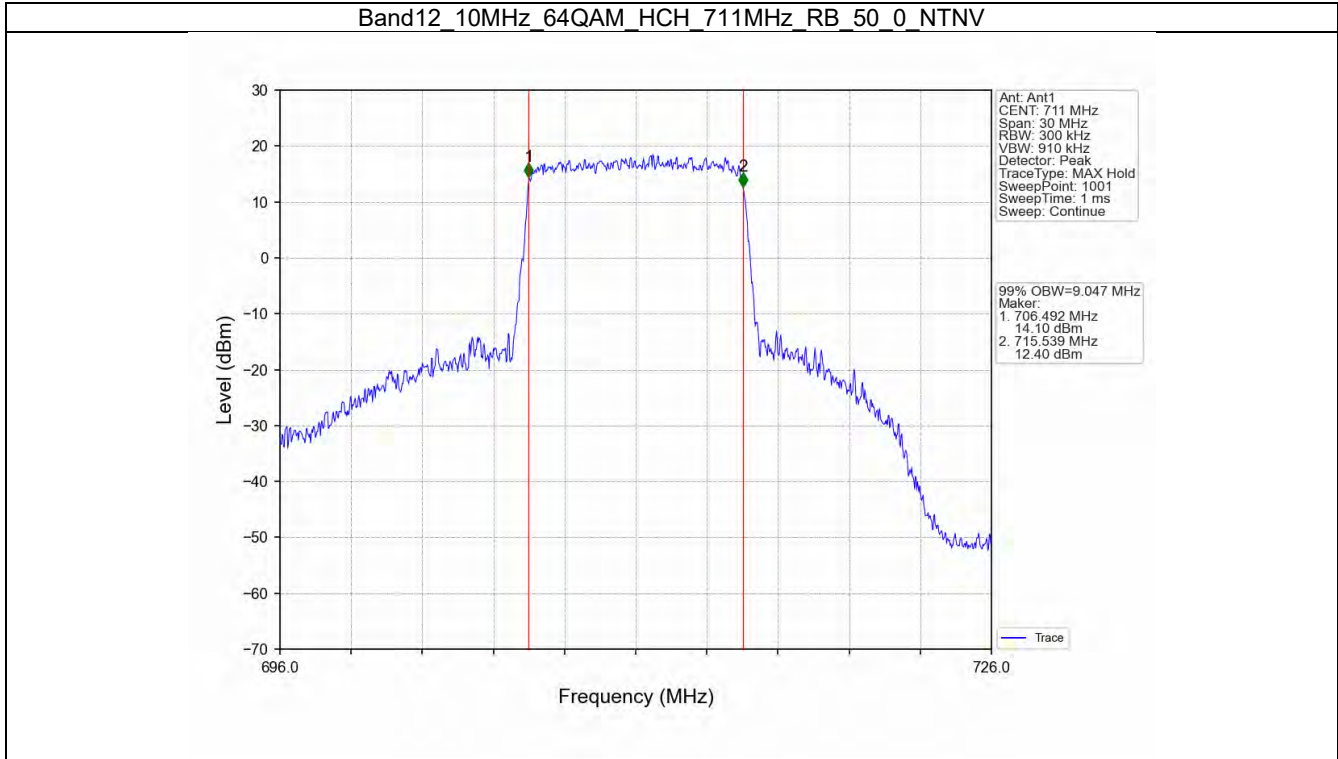
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3.2 Band12_XDB

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	1.321	/	Pass
		707.5	6	0	1.341	/	Pass
		715.3	6	0	1.330	/	Pass
	16QAM	699.7	6	0	1.309	/	Pass
		707.5	6	0	1.301	/	Pass
		715.3	6	0	1.310	/	Pass
	64QAM	699.7	6	0	1.324	/	Pass
		707.5	6	0	1.339	/	Pass
		715.3	6	0	1.376	/	Pass
3	QPSK	700.5	15	0	3.007	/	Pass
		707.5	15	0	3.026	/	Pass
		714.5	15	0	3.034	/	Pass
	16QAM	700.5	15	0	3.016	/	Pass
		707.5	15	0	3.022	/	Pass
		714.5	15	0	3.035	/	Pass
	64QAM	700.5	15	0	3.020	/	Pass
		707.5	15	0	3.034	/	Pass
		714.5	15	0	3.029	/	Pass
5	QPSK	701.5	25	0	5.059	/	Pass
		707.5	25	0	5.087	/	Pass
		713.5	25	0	5.017	/	Pass
	16QAM	701.5	25	0	5.028	/	Pass
		707.5	25	0	5.056	/	Pass
		713.5	25	0	5.073	/	Pass
	64QAM	701.5	25	0	5.069	/	Pass
		707.5	25	0	5.043	/	Pass
		713.5	25	0	5.071	/	Pass
10	QPSK	704	50	0	10.070	/	Pass
		707.5	50	0	10.045	/	Pass
		711	50	0	9.940	/	Pass
	16QAM	704	50	0	9.969	/	Pass
		707.5	50	0	9.936	/	Pass
		711	50	0	9.935	/	Pass
	64QAM	704	50	0	9.996	/	Pass
		707.5	50	0	9.970	/	Pass
		711	50	0	9.903	/	Pass



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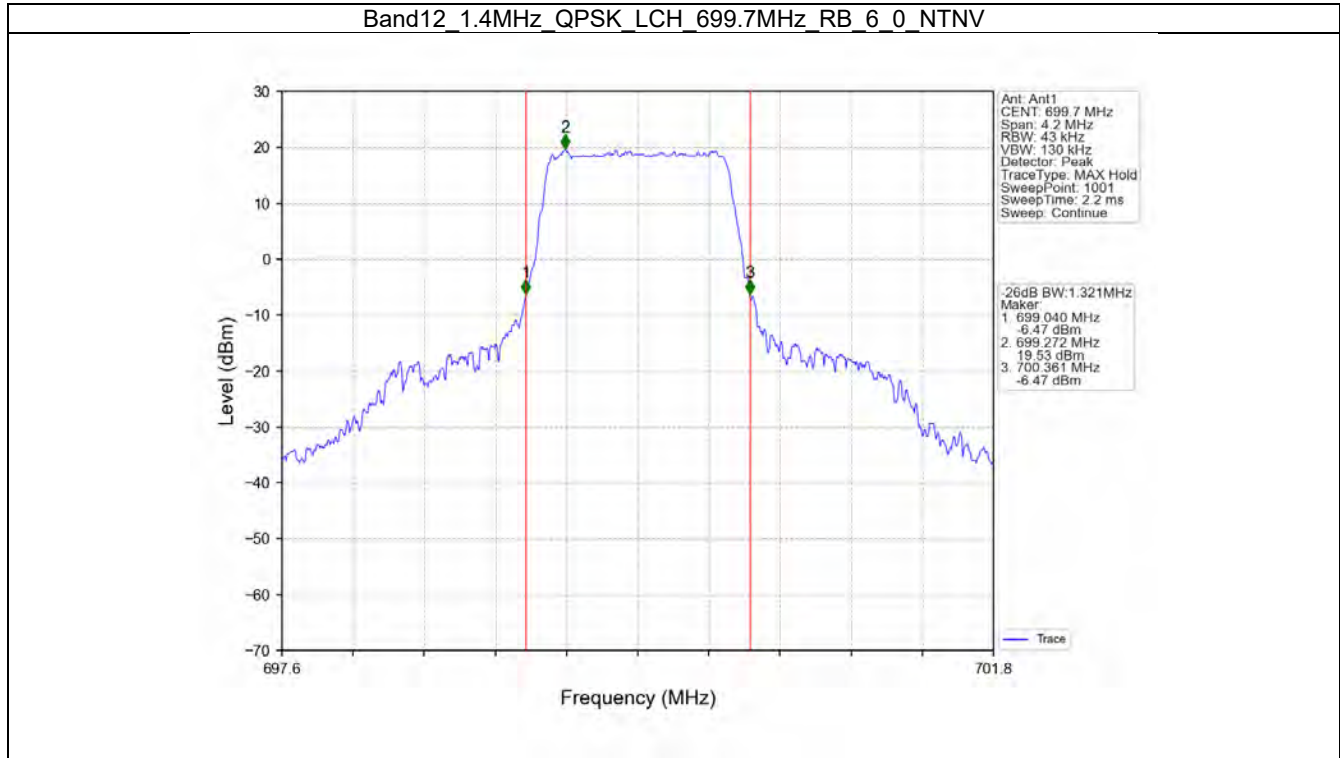
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3.2.2 Test Graph



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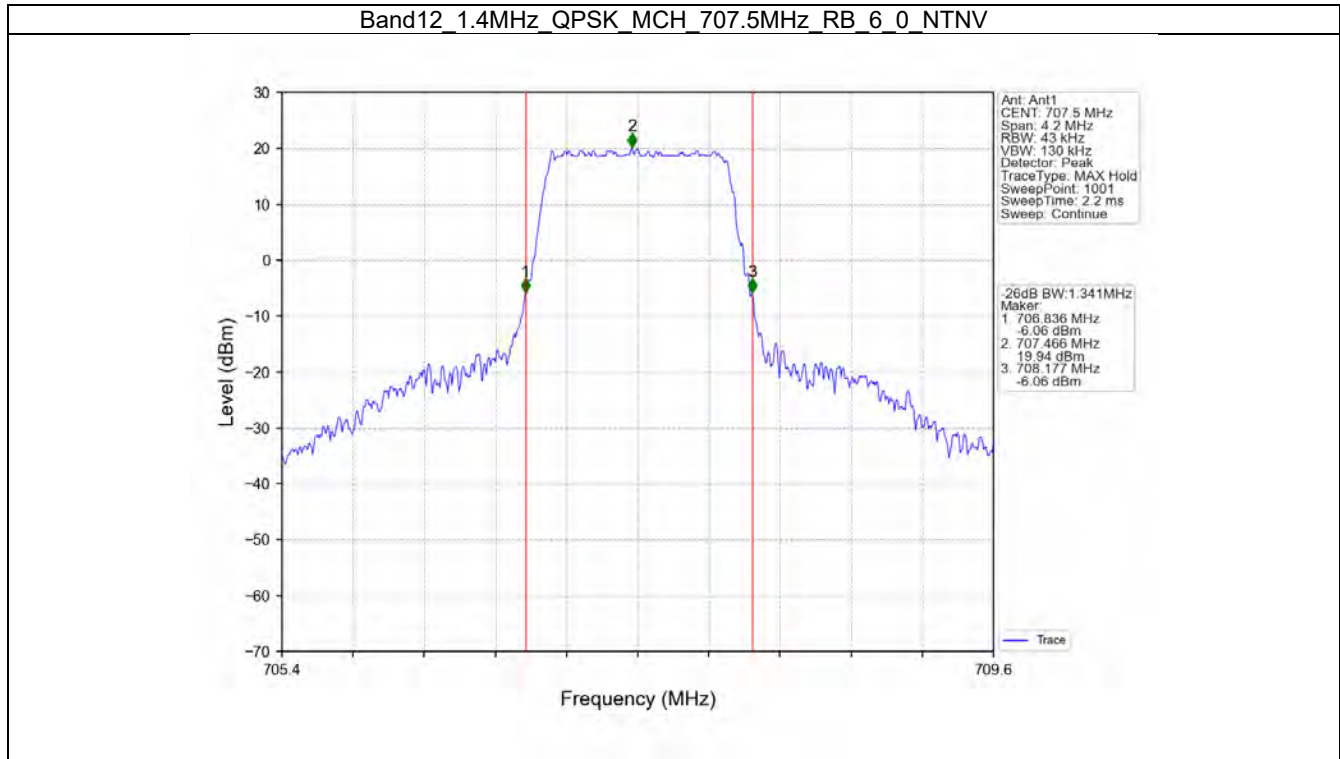


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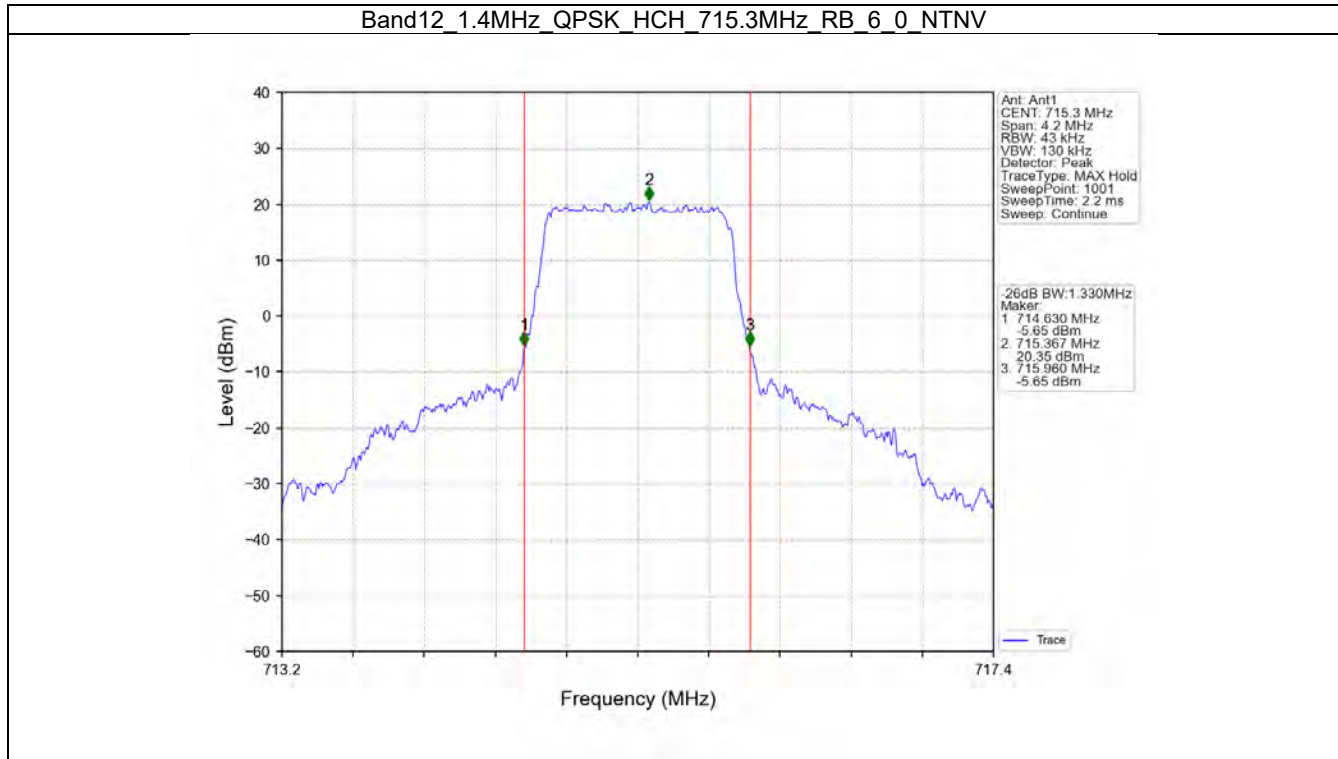


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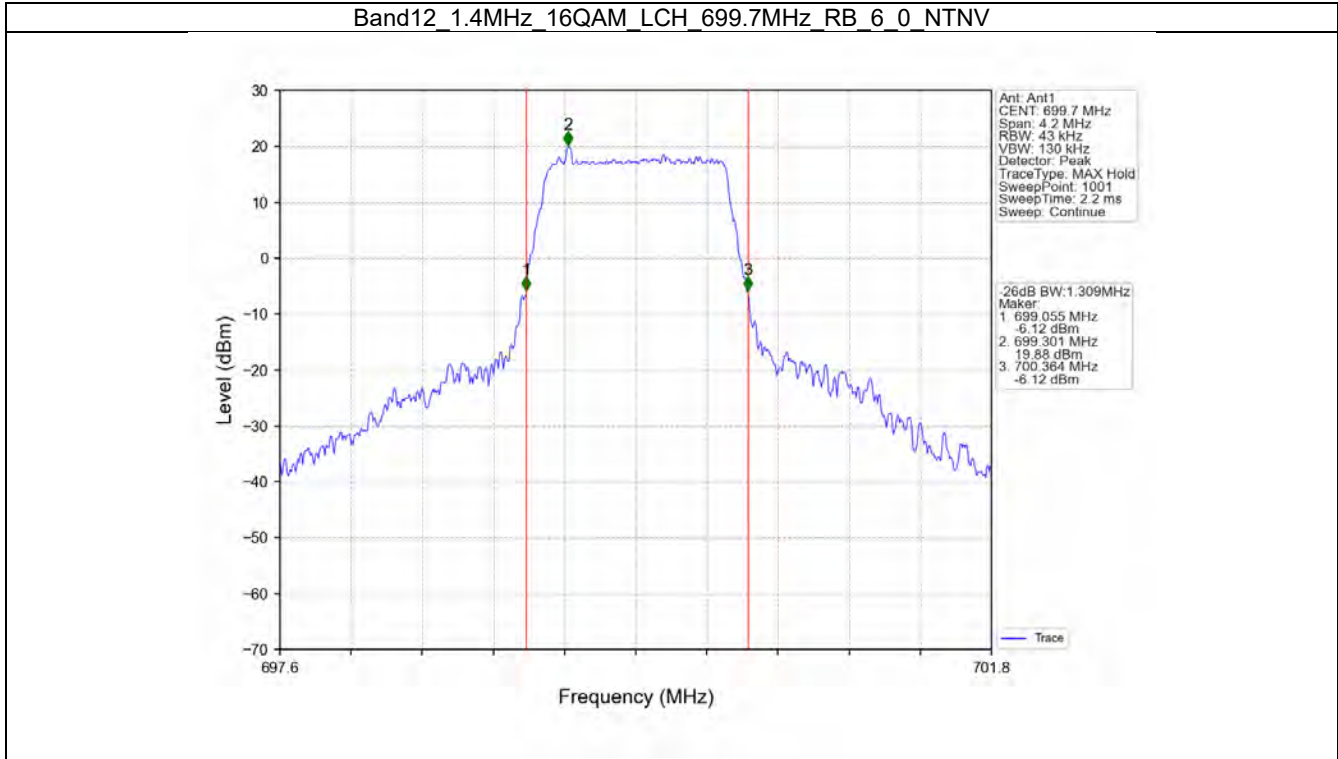
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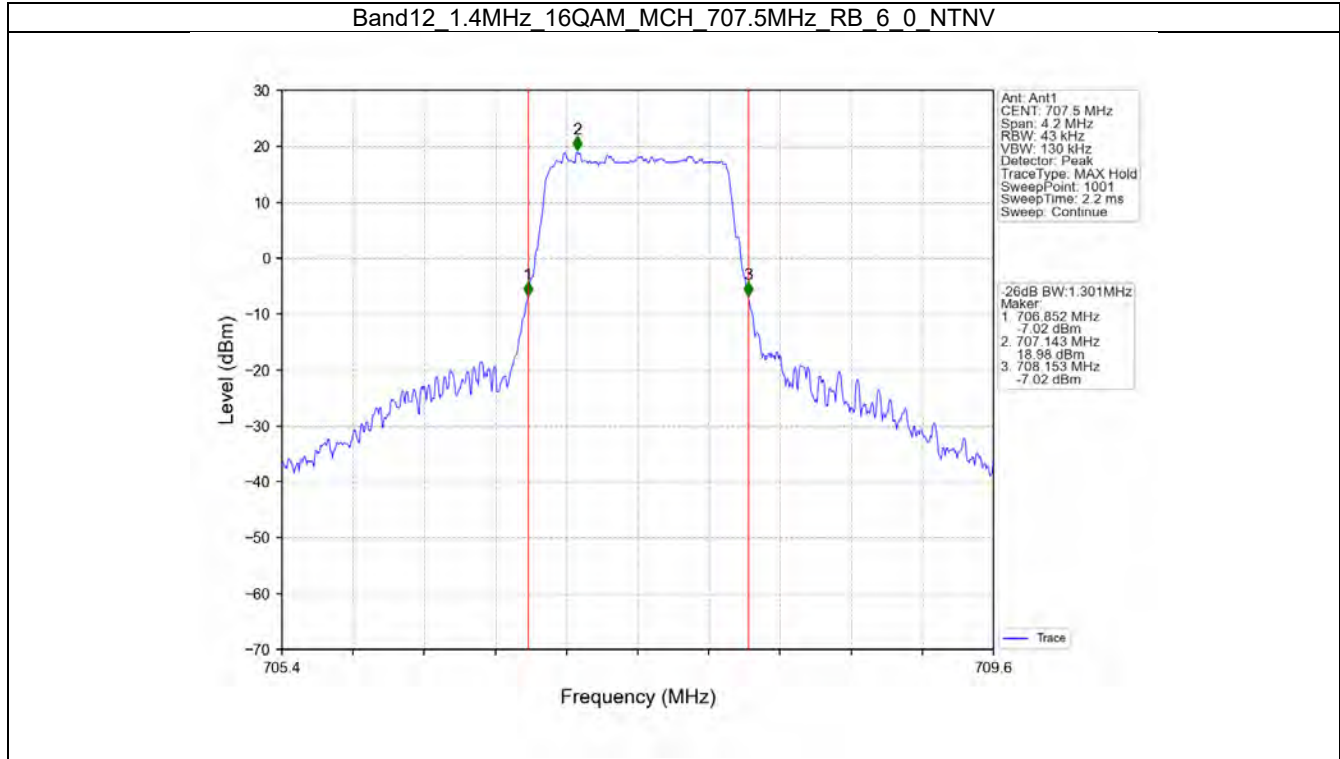
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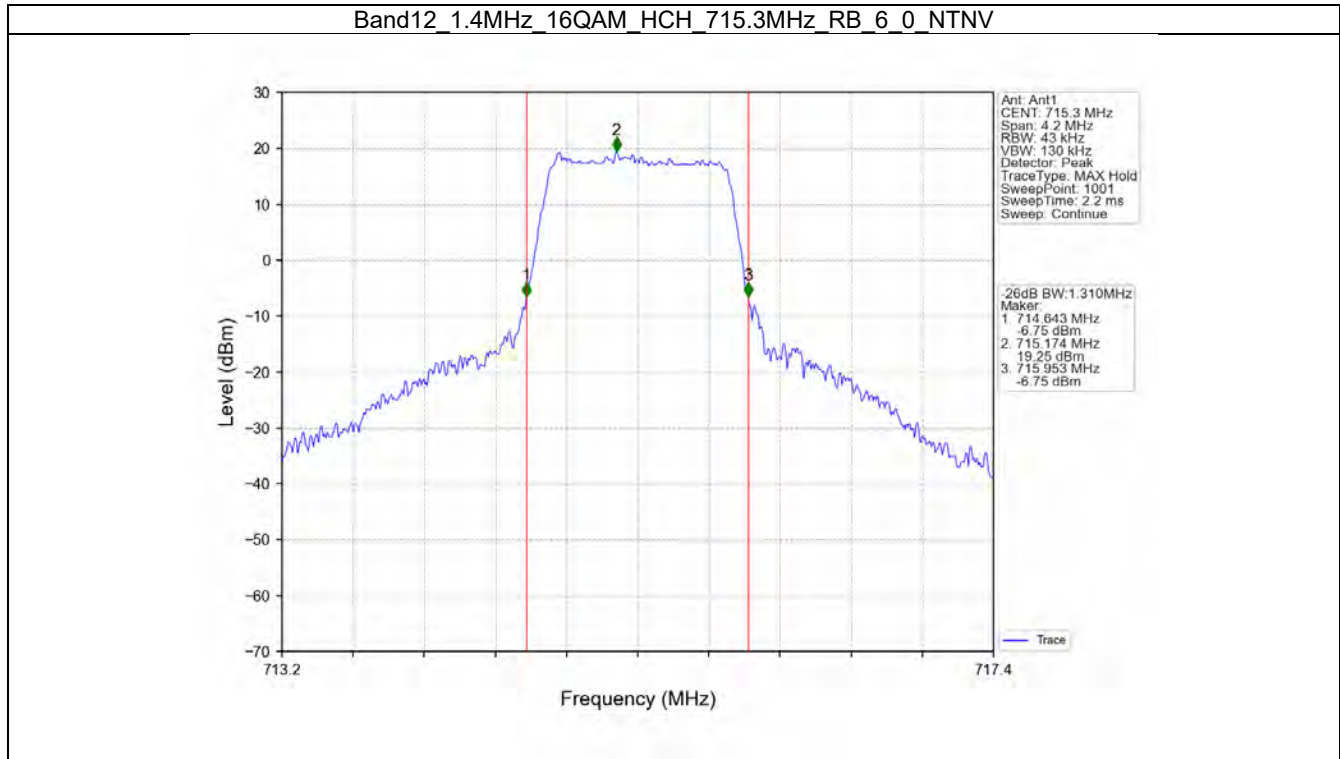


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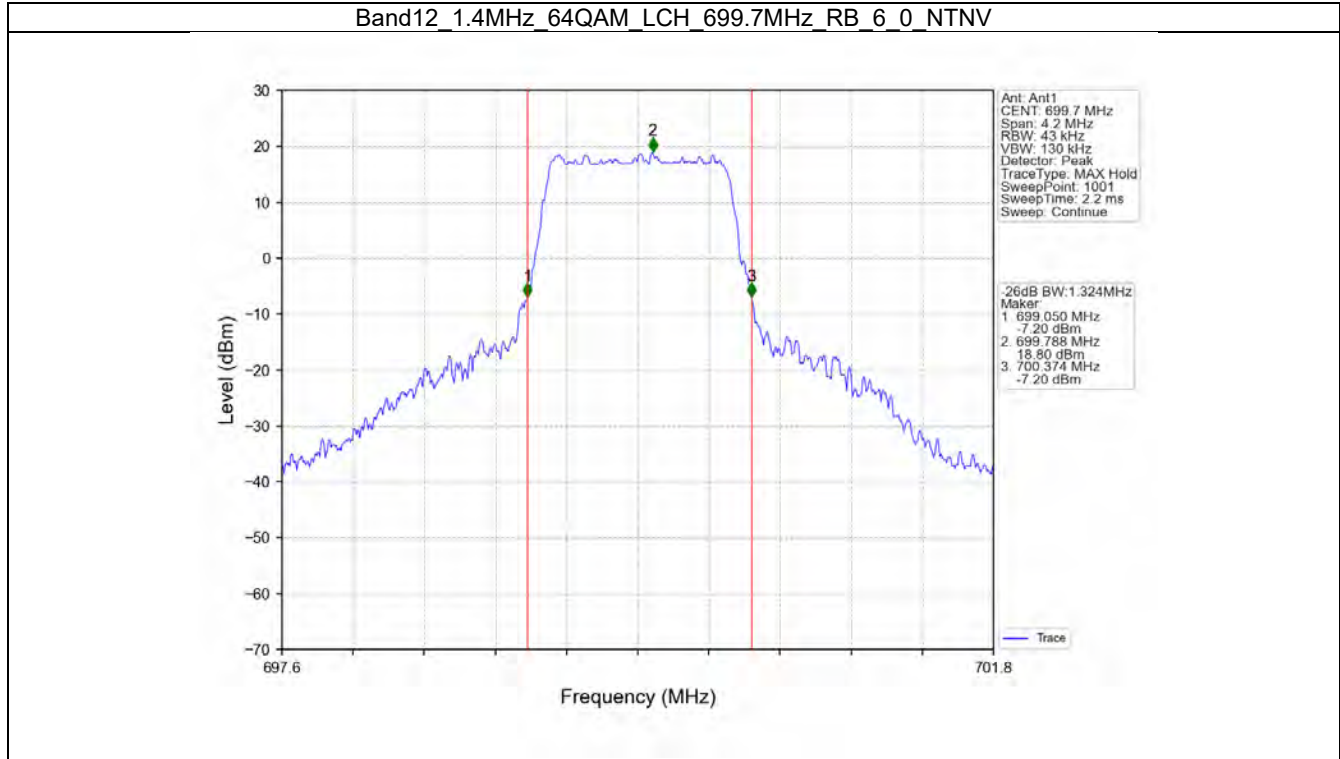
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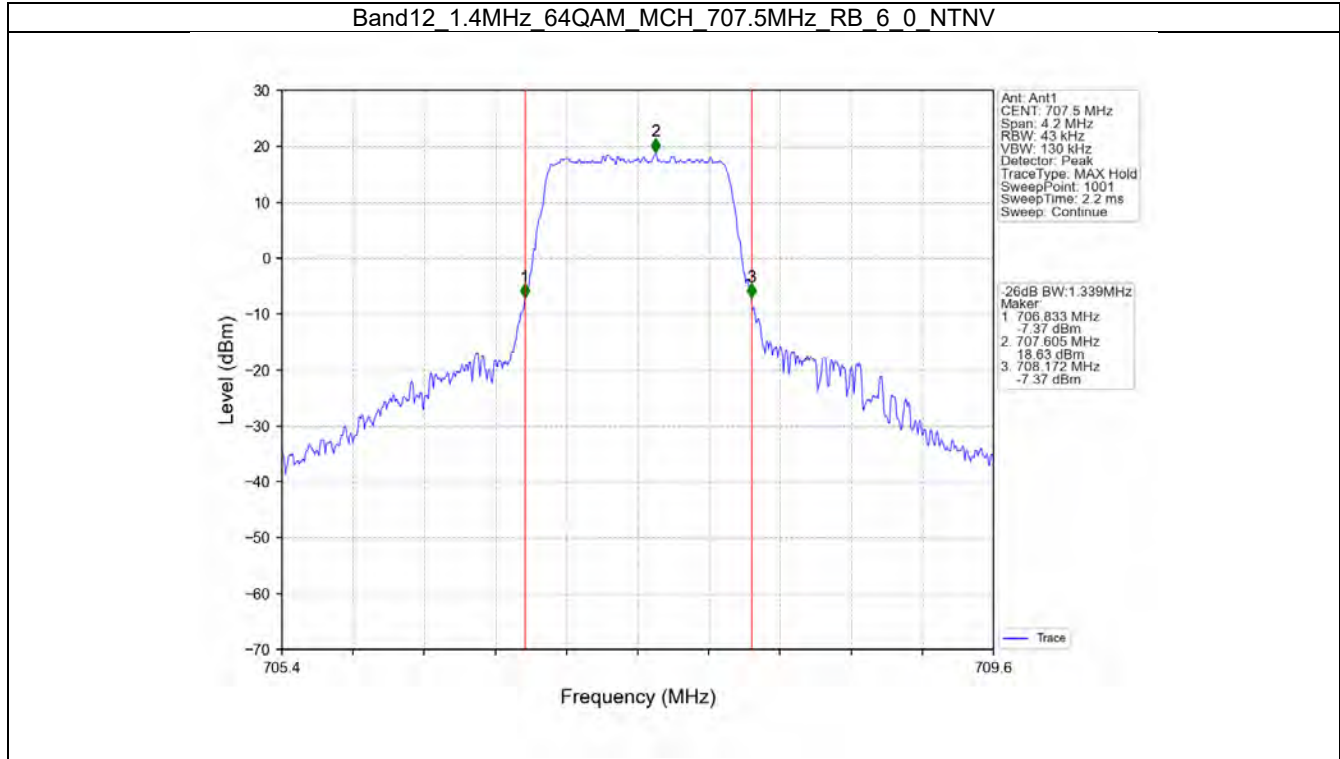
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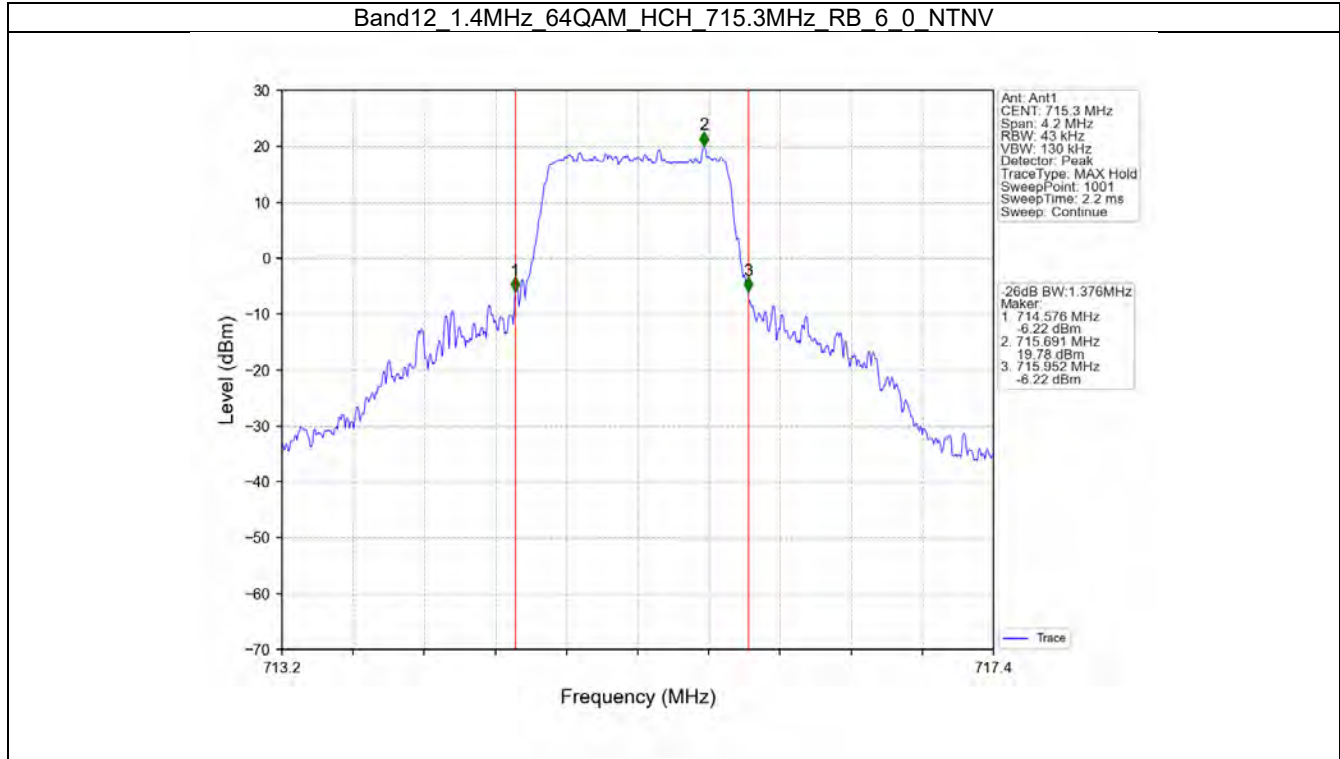
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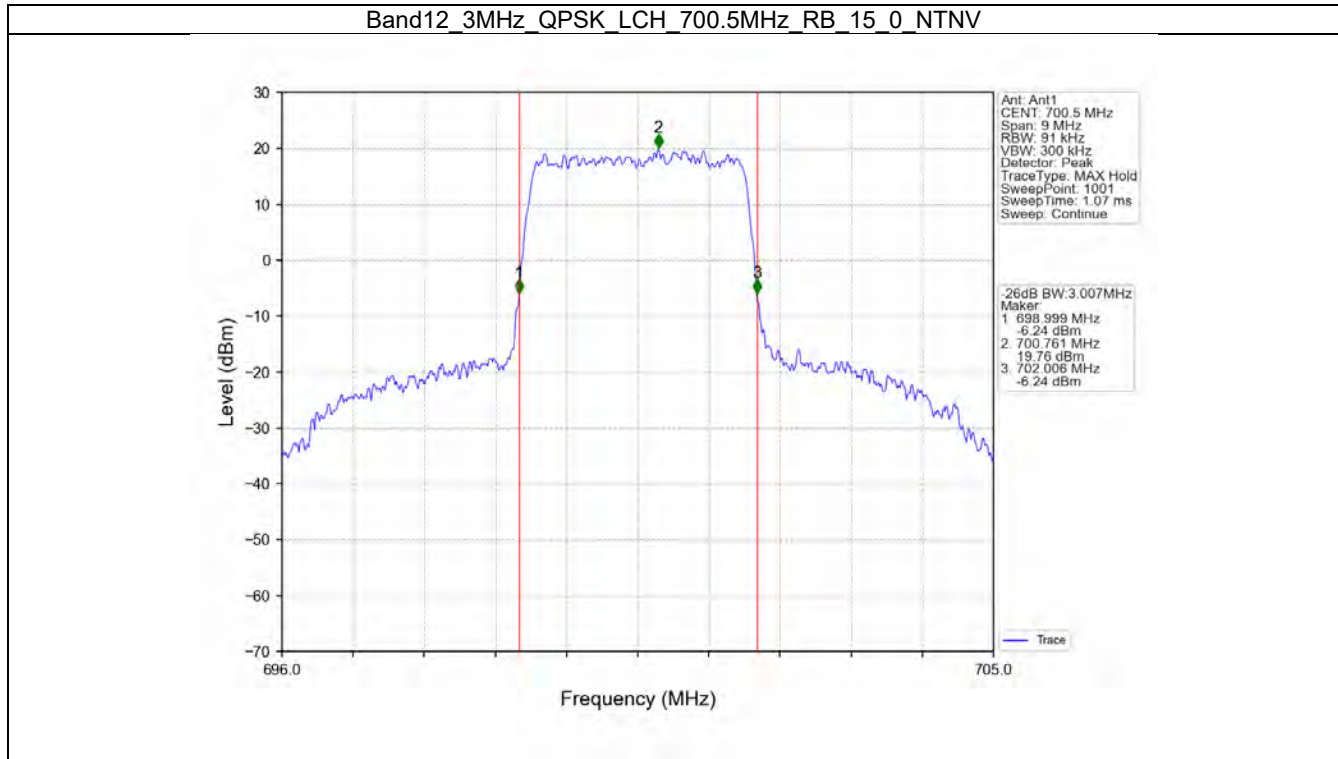


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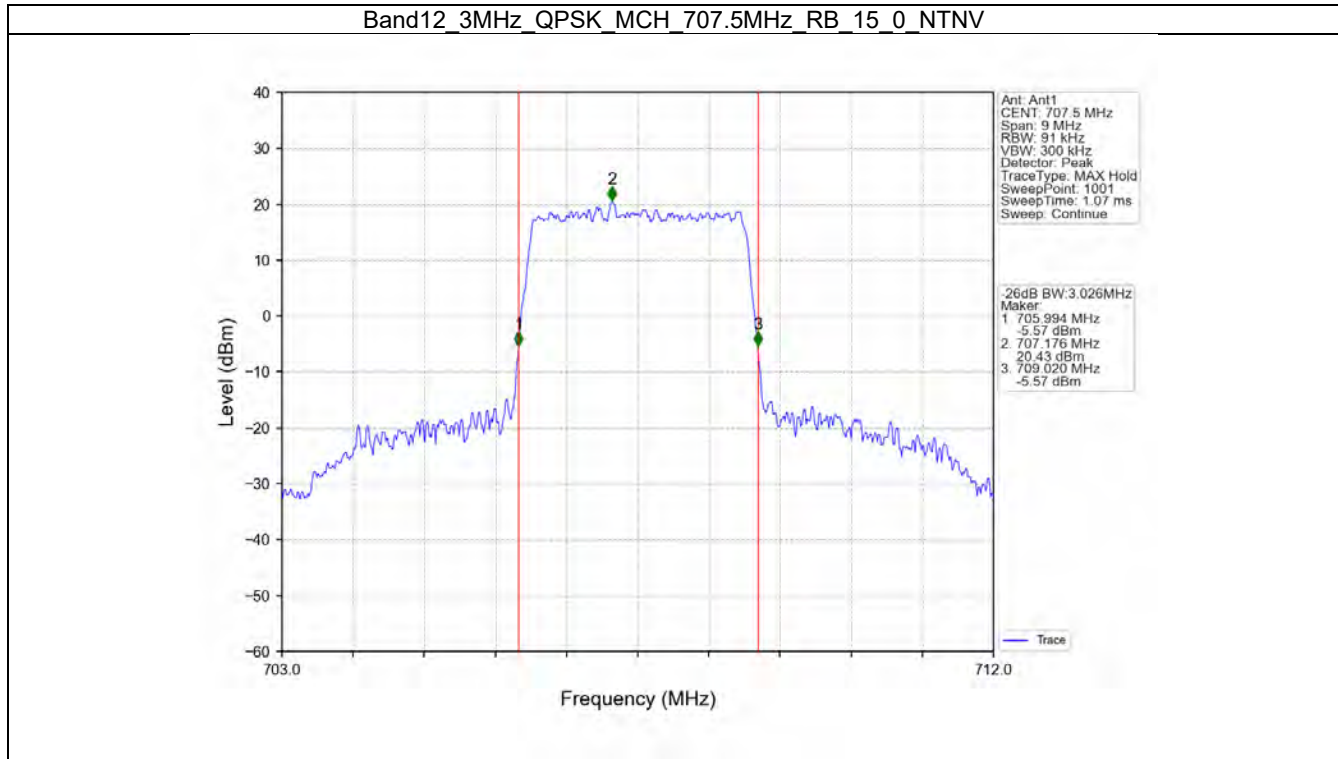


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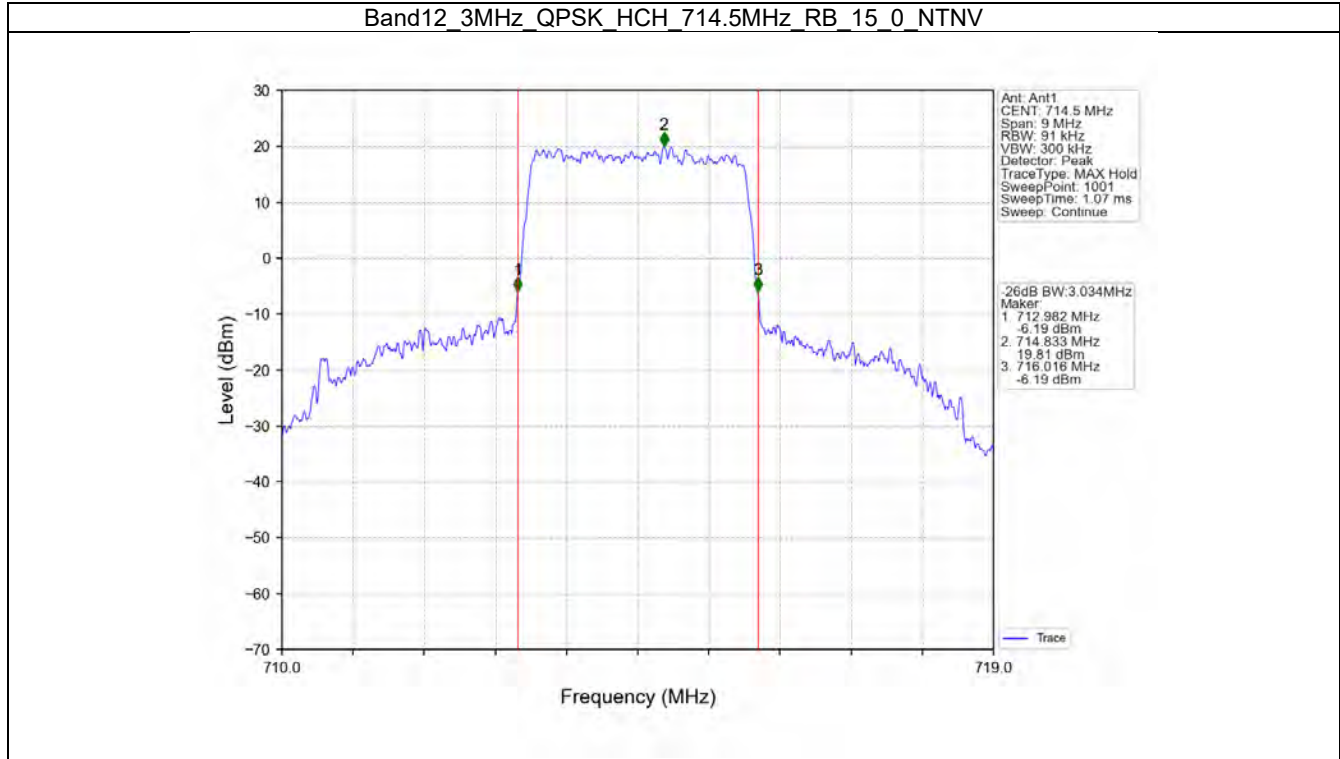
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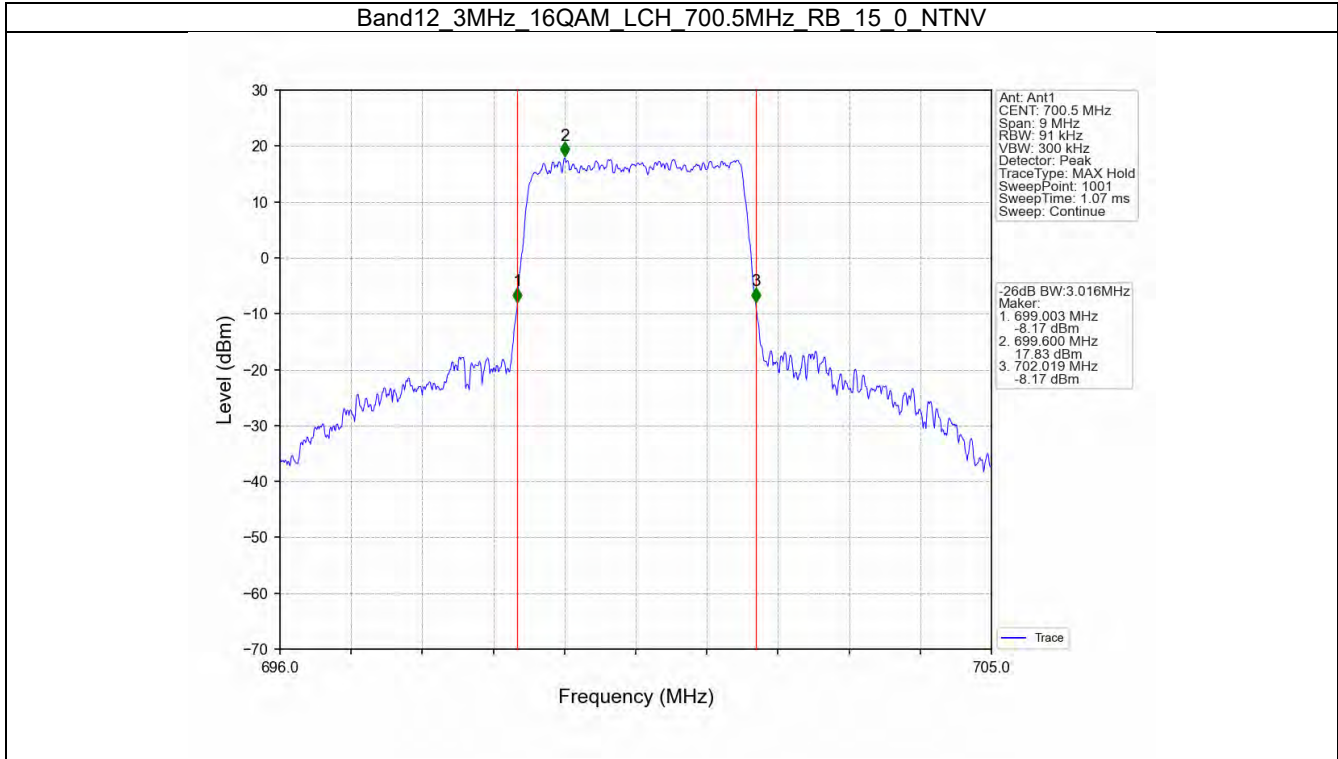
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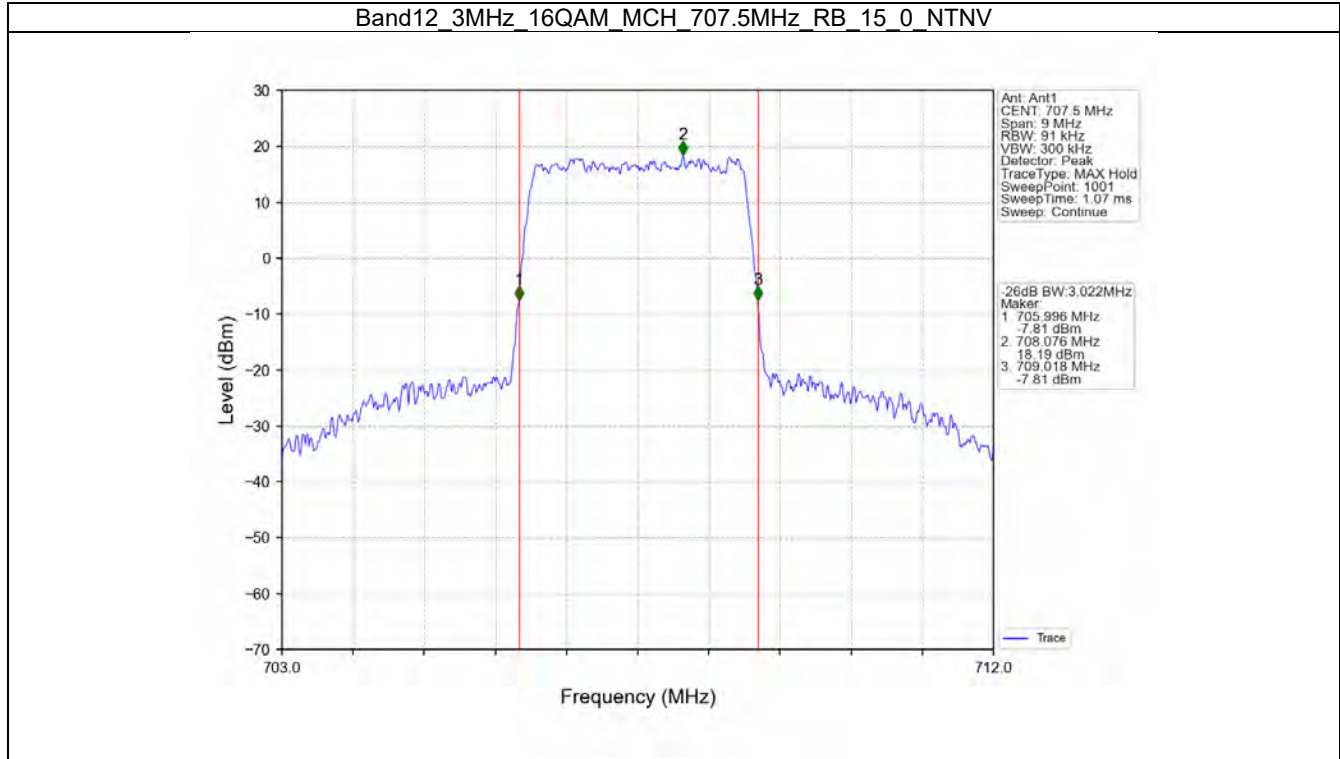
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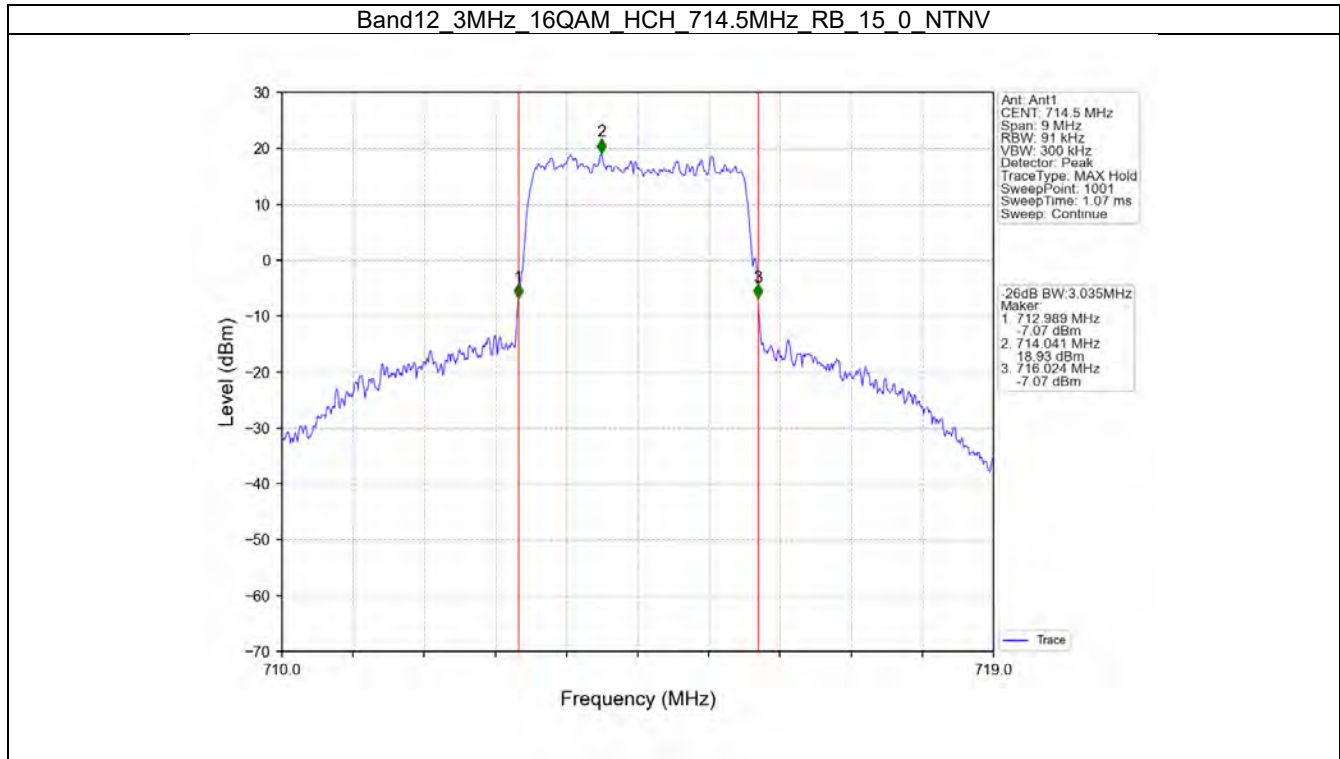


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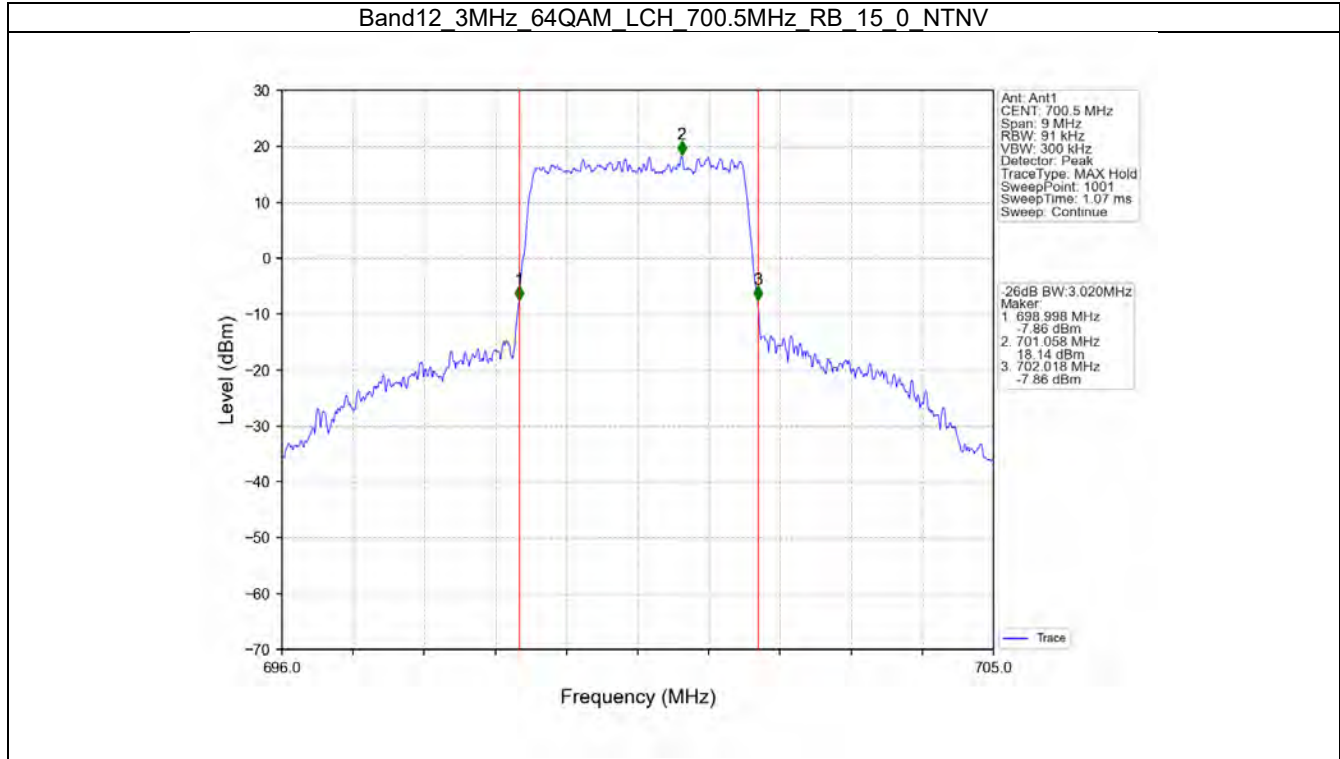
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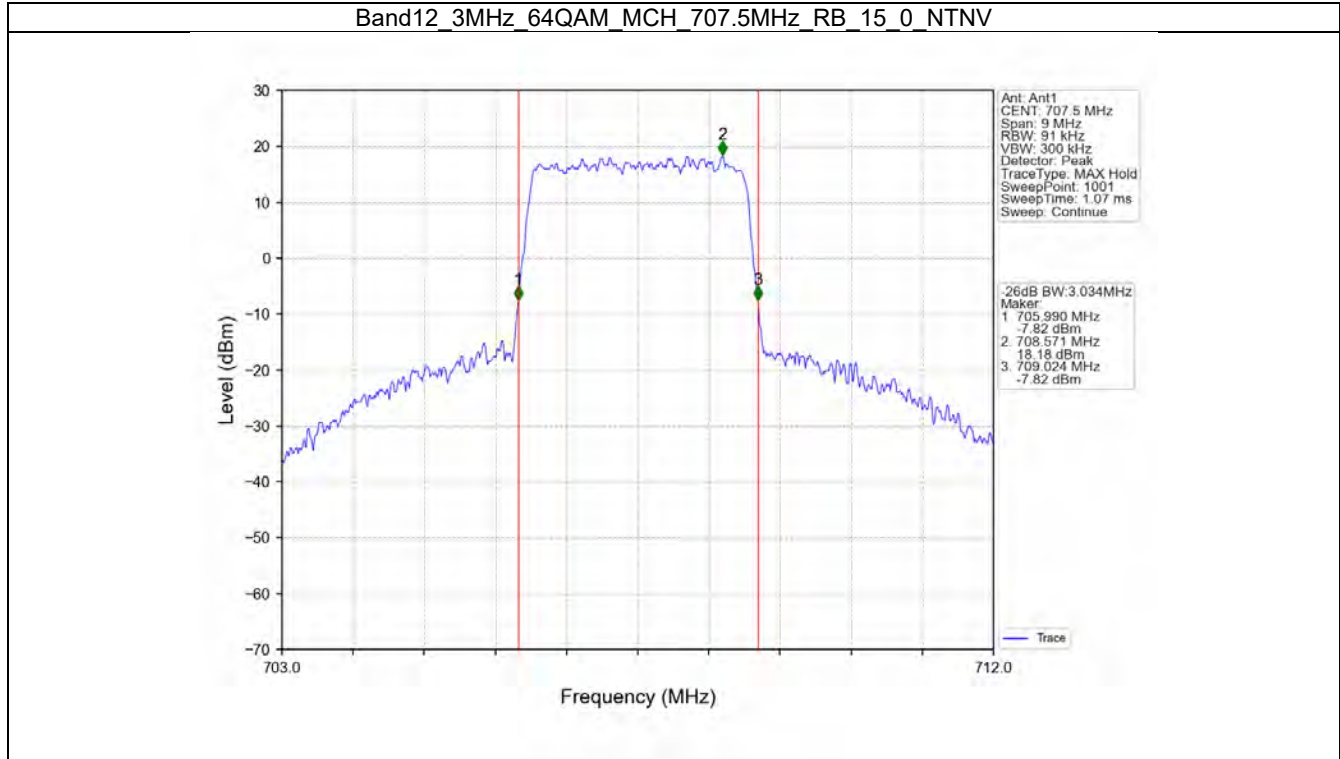
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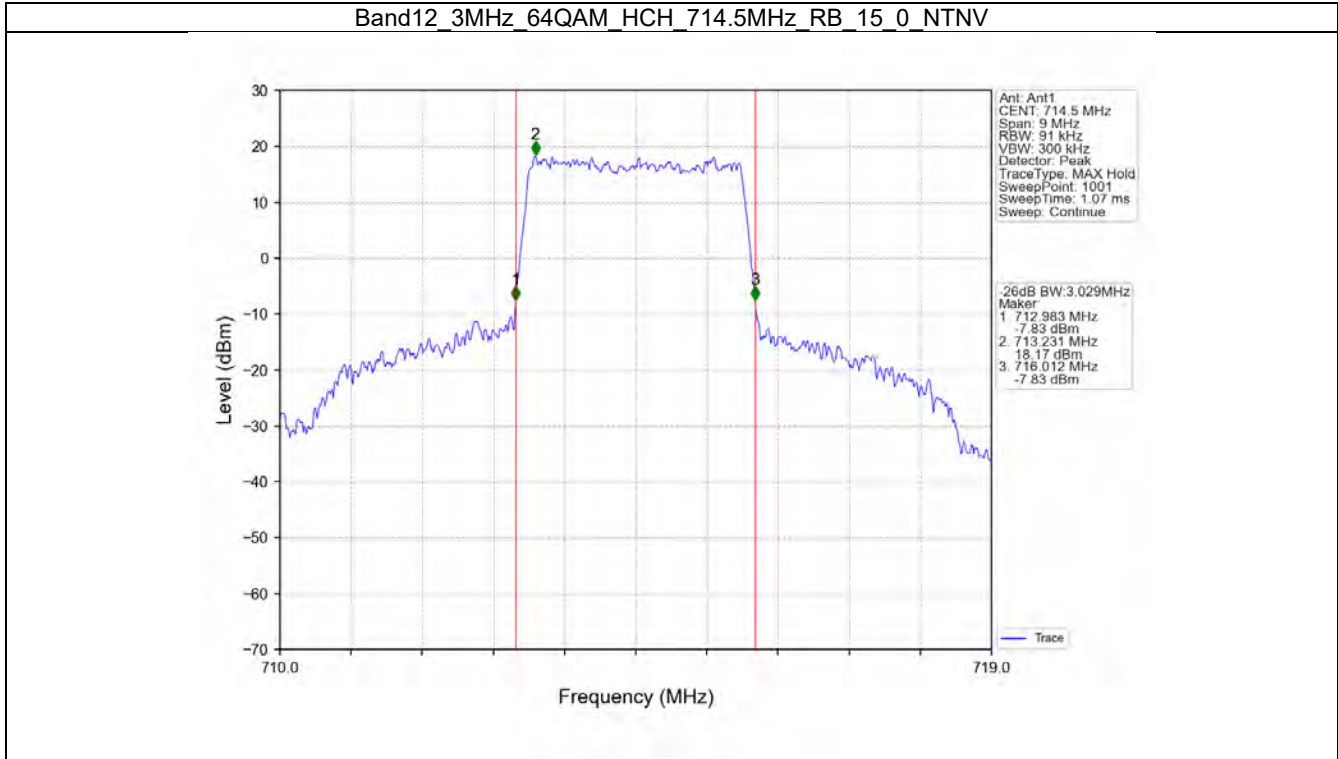
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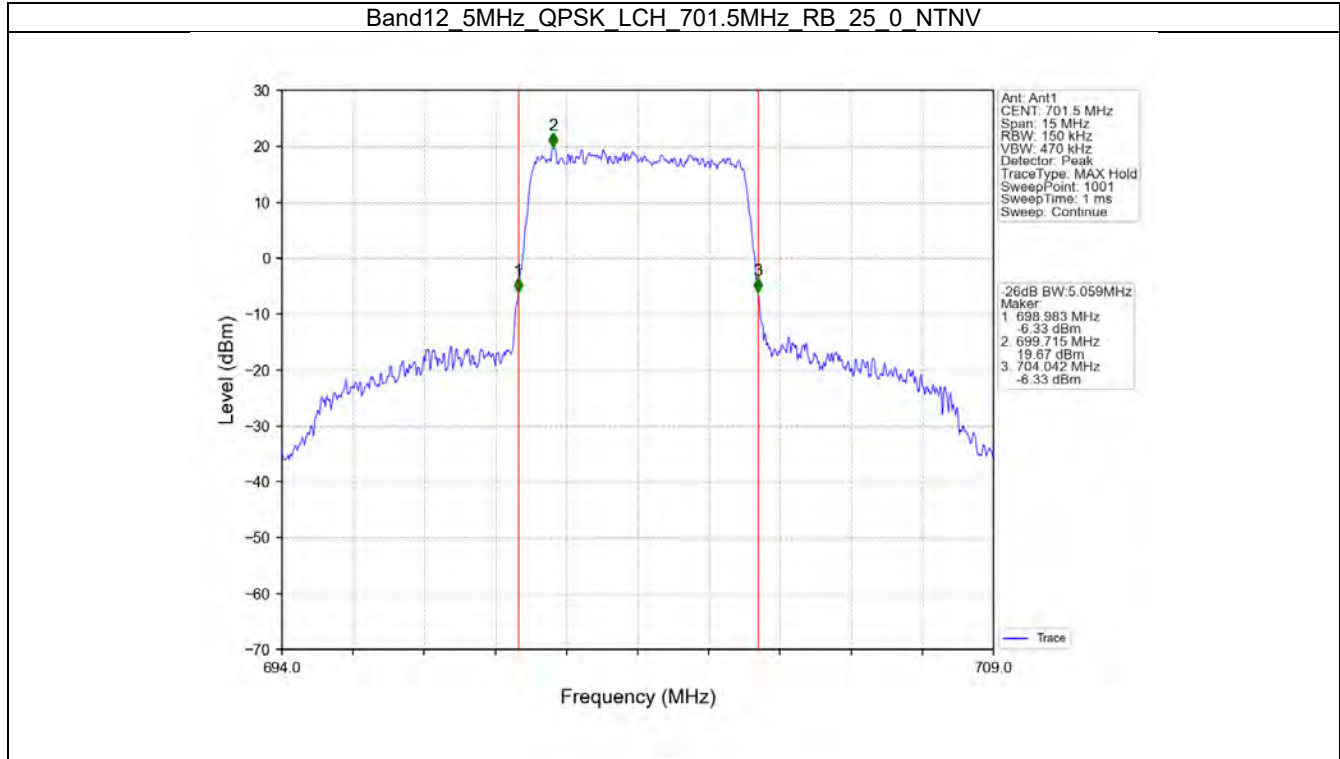
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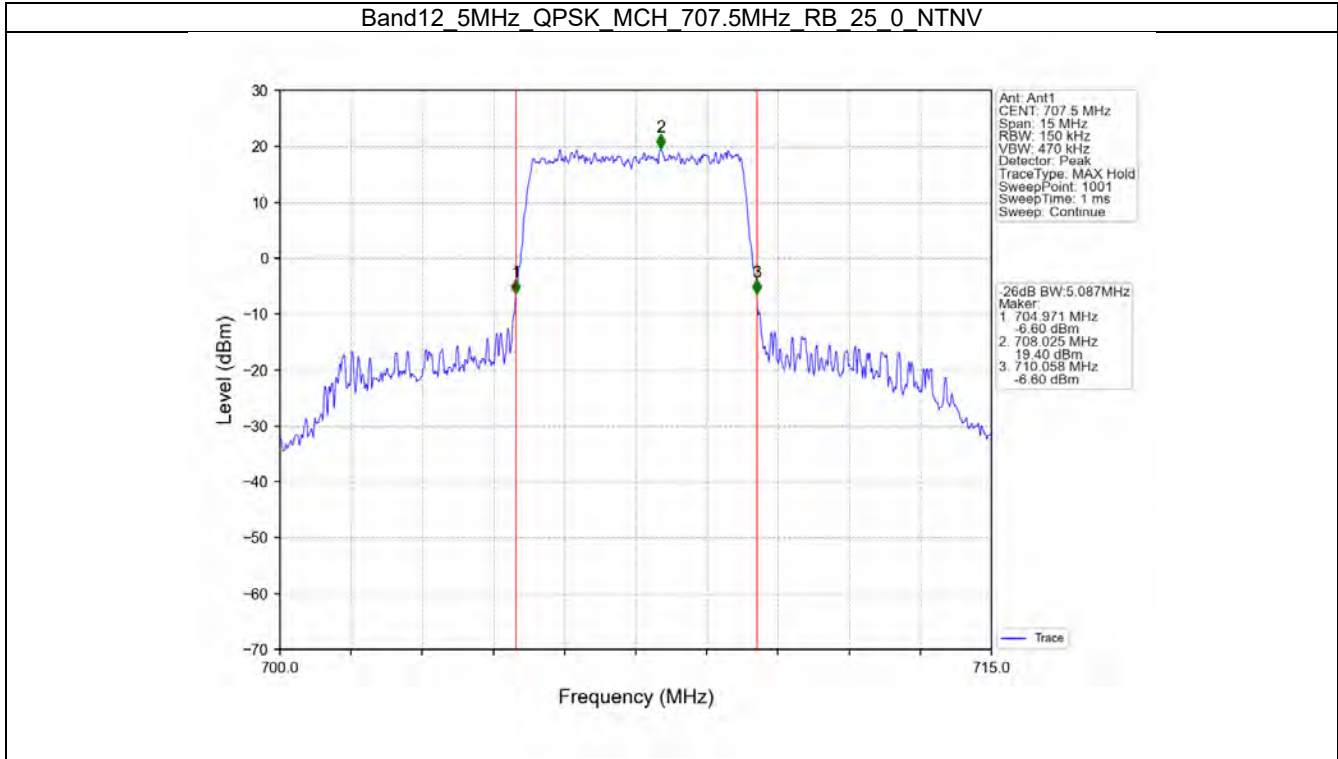
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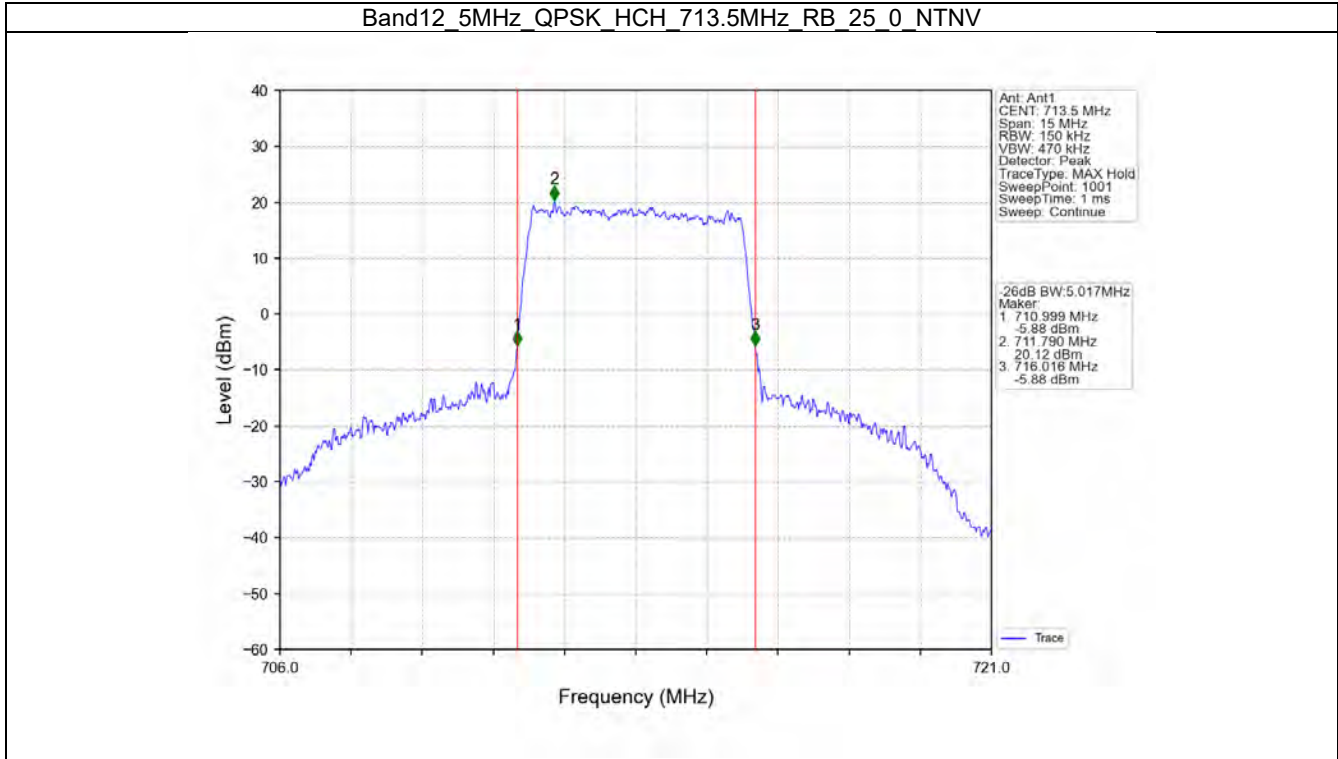
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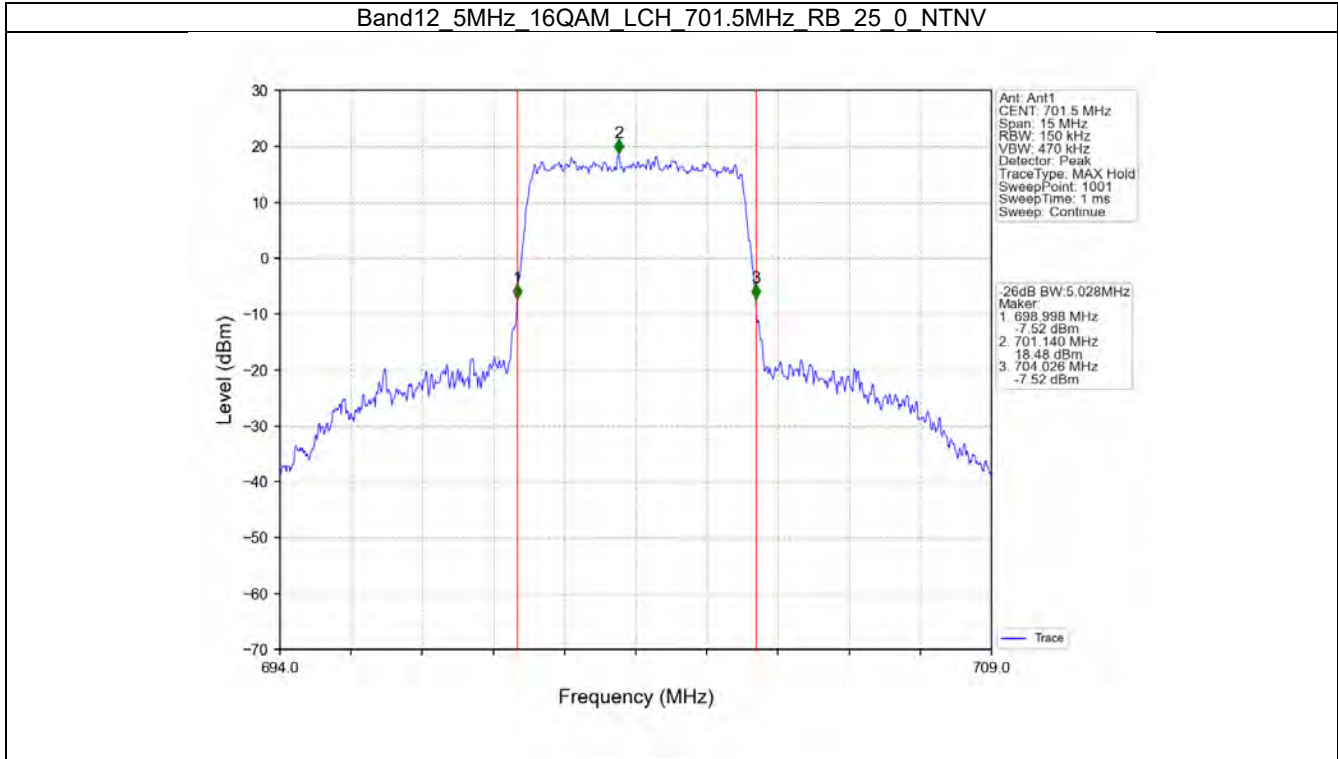
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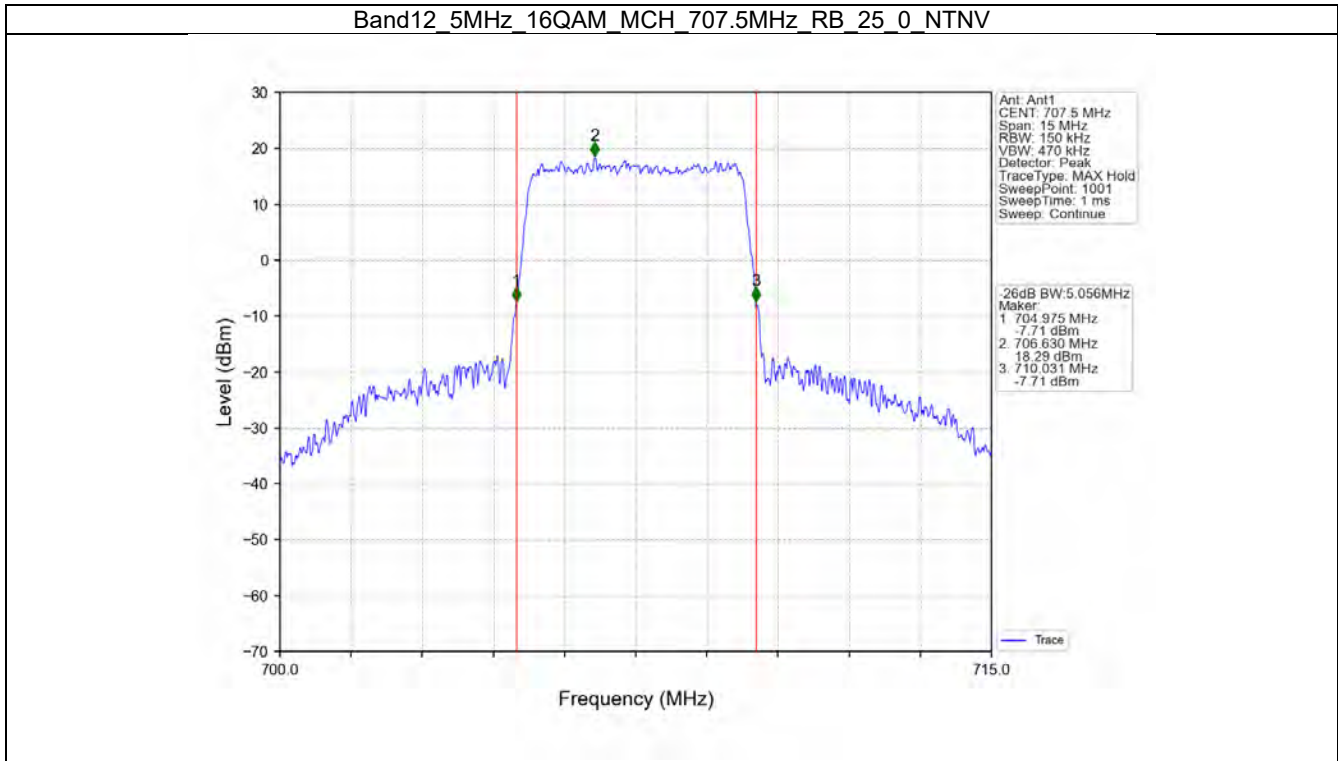
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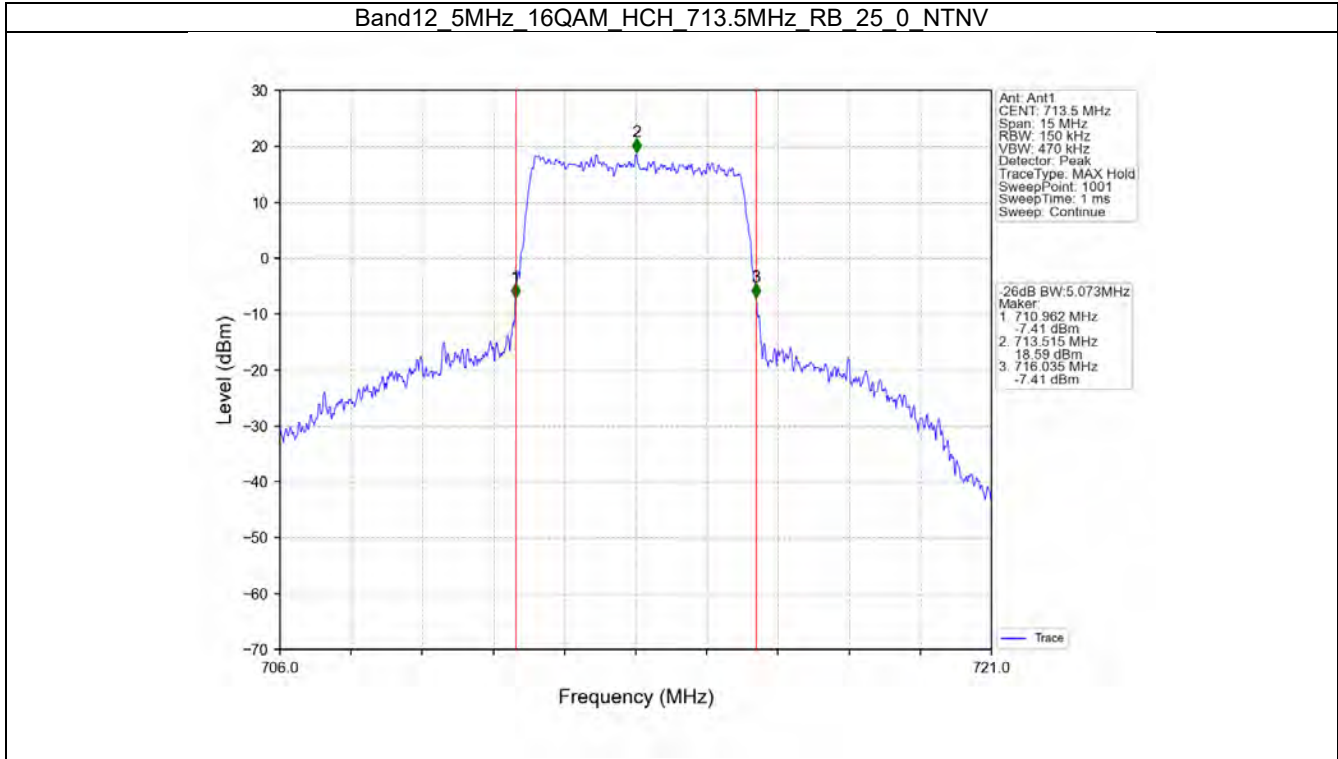
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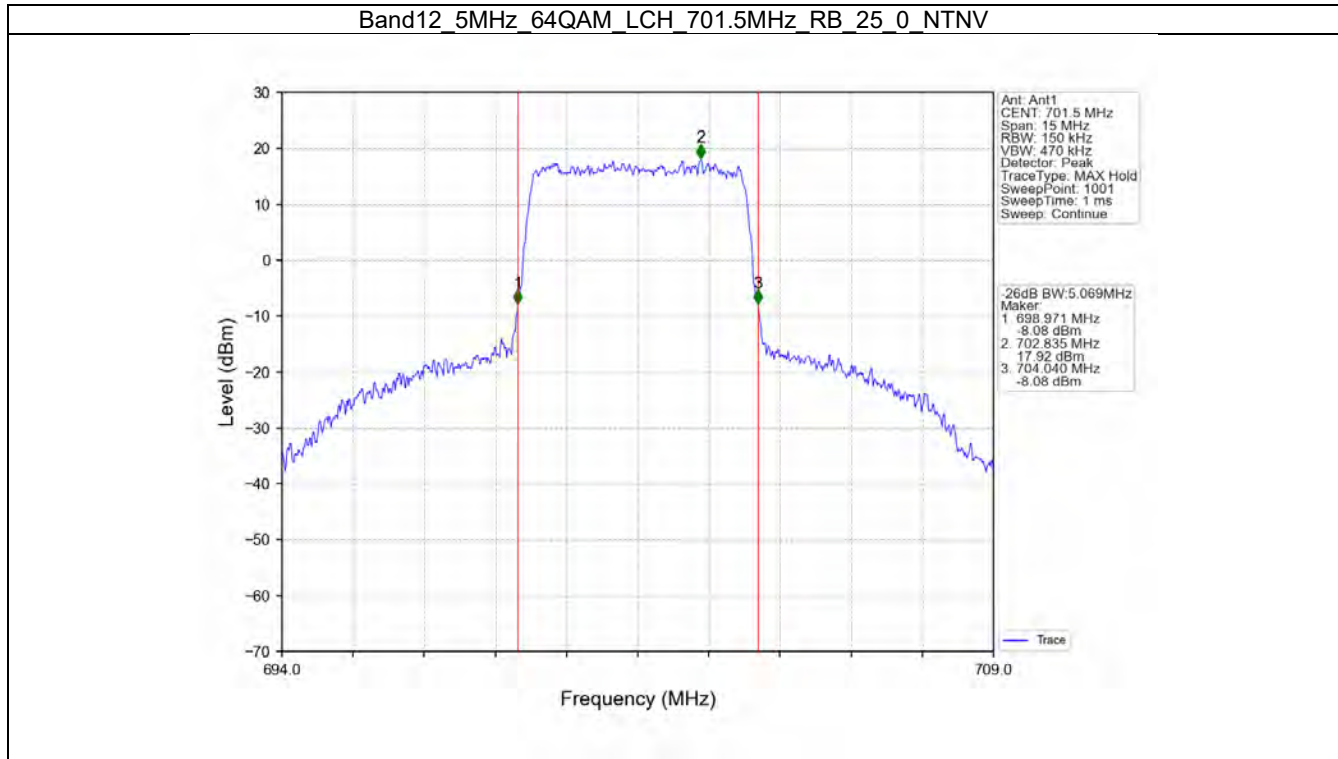


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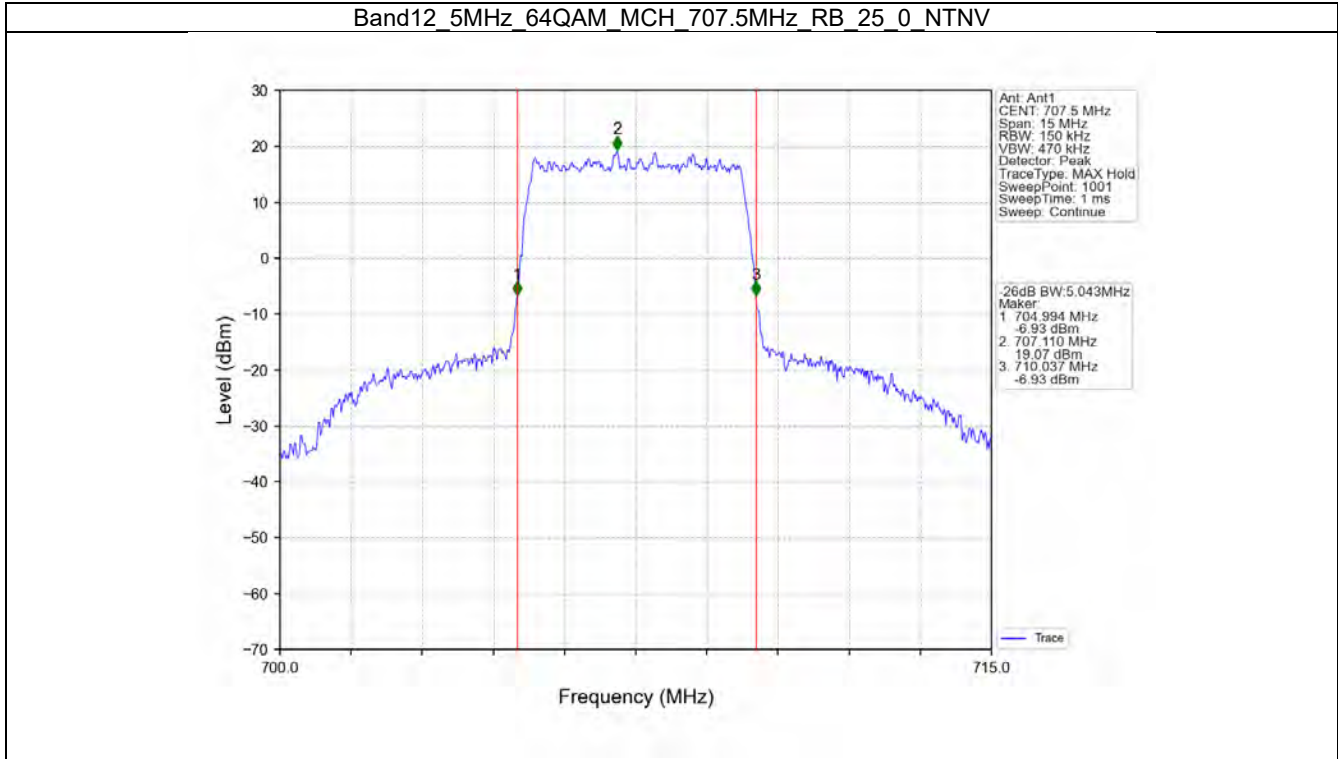
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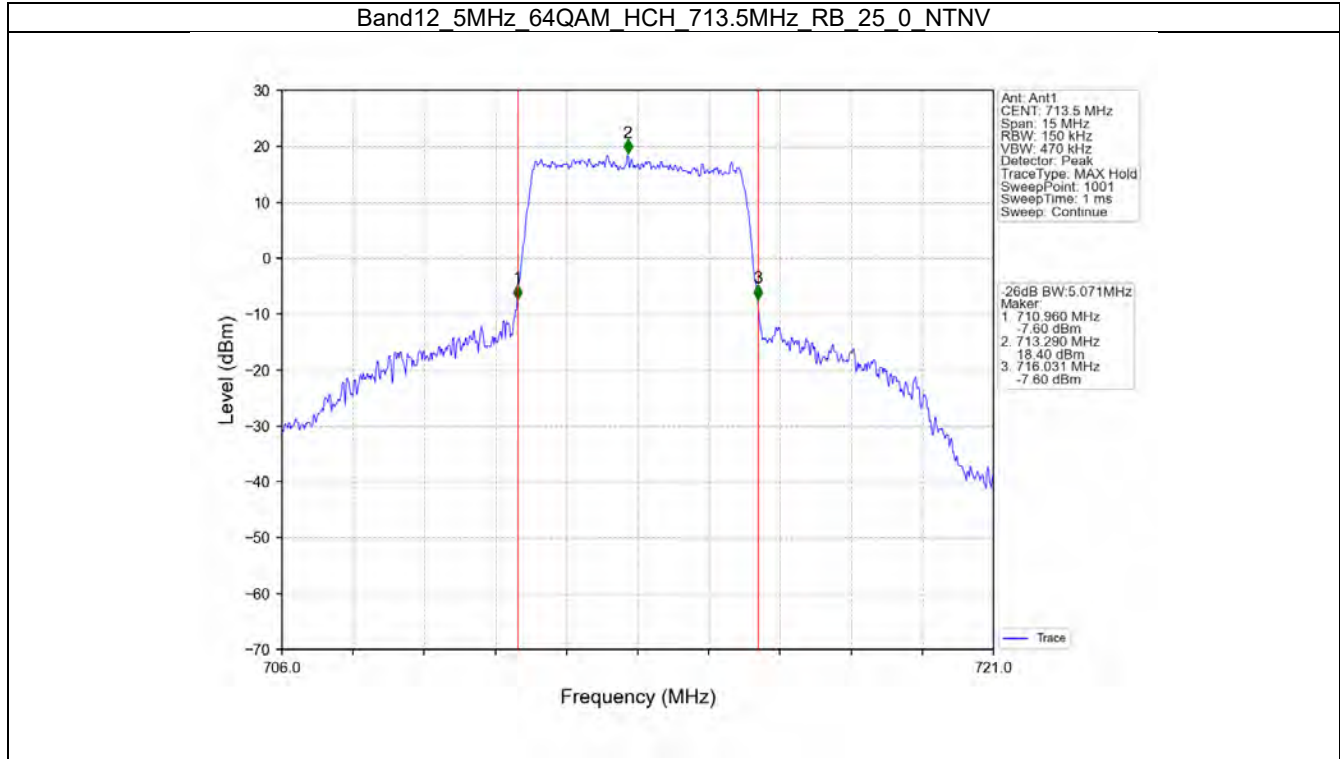
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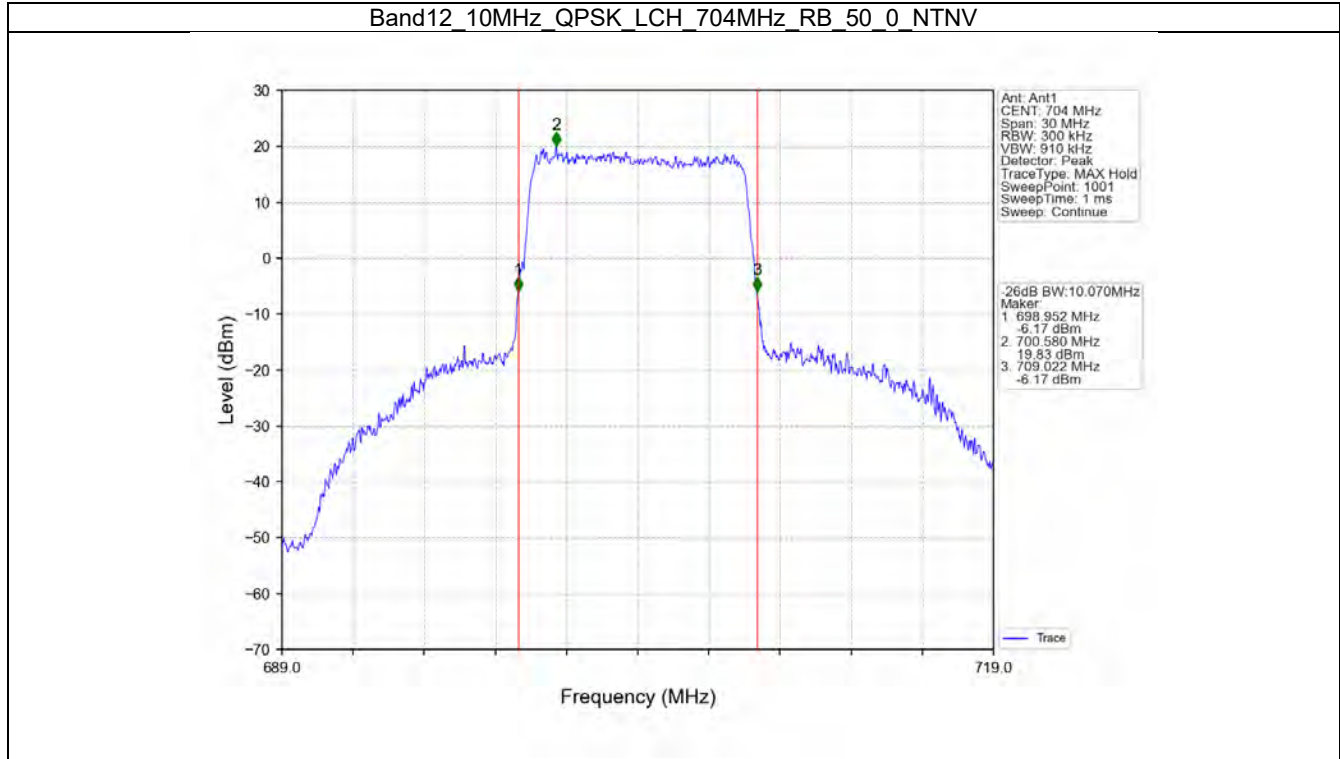
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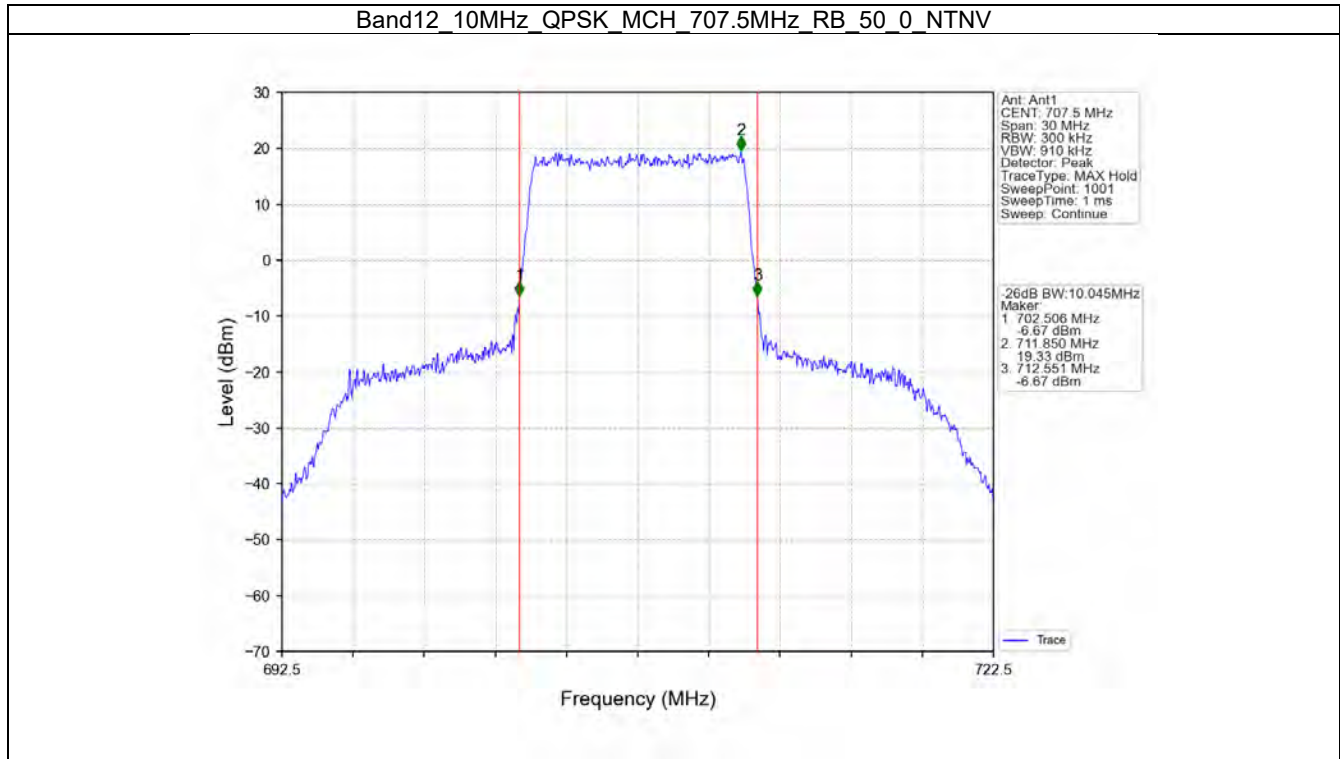


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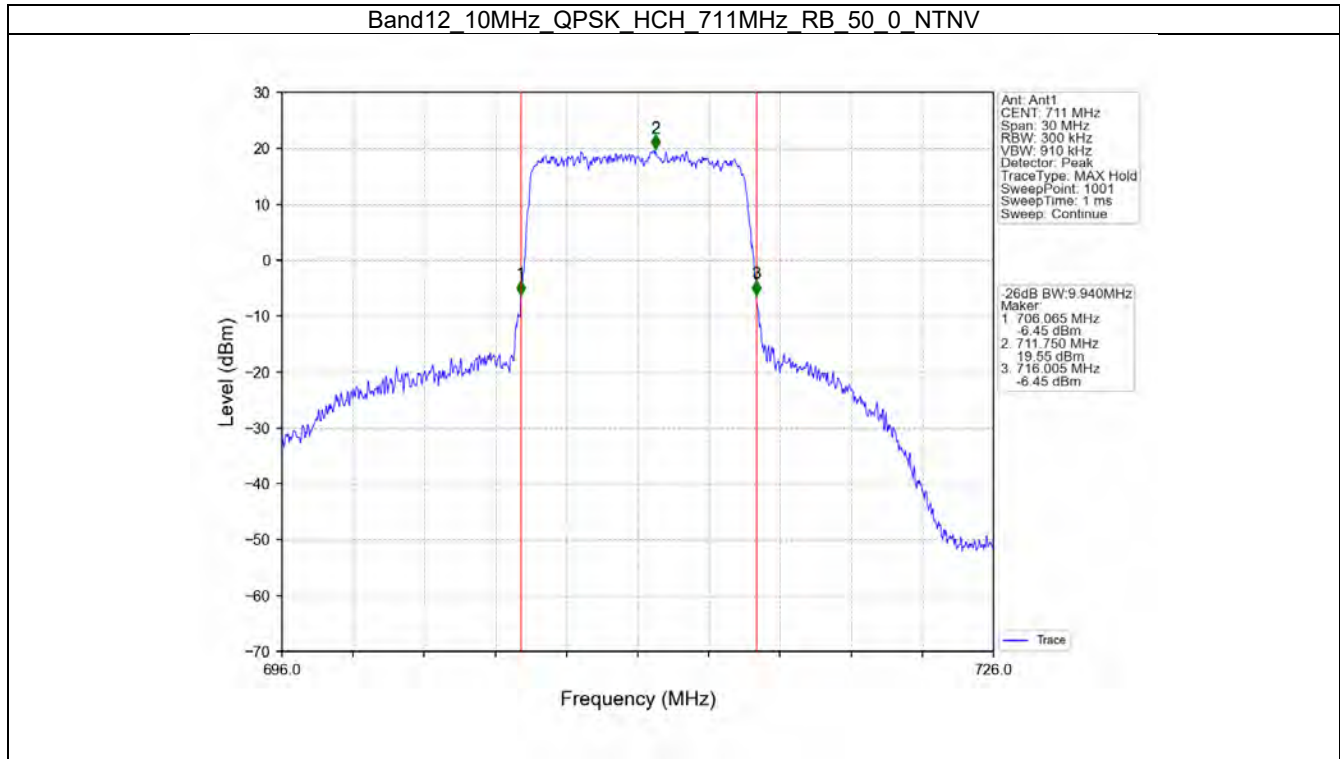


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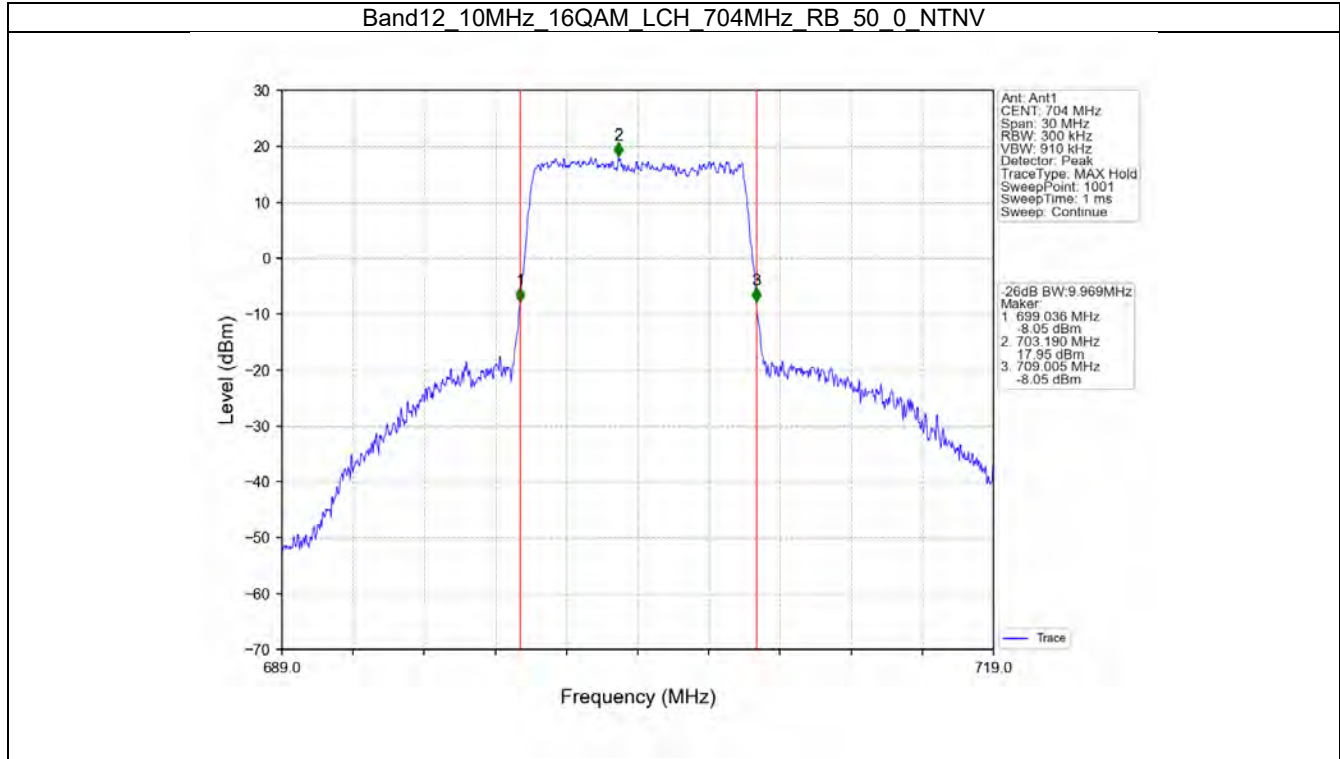
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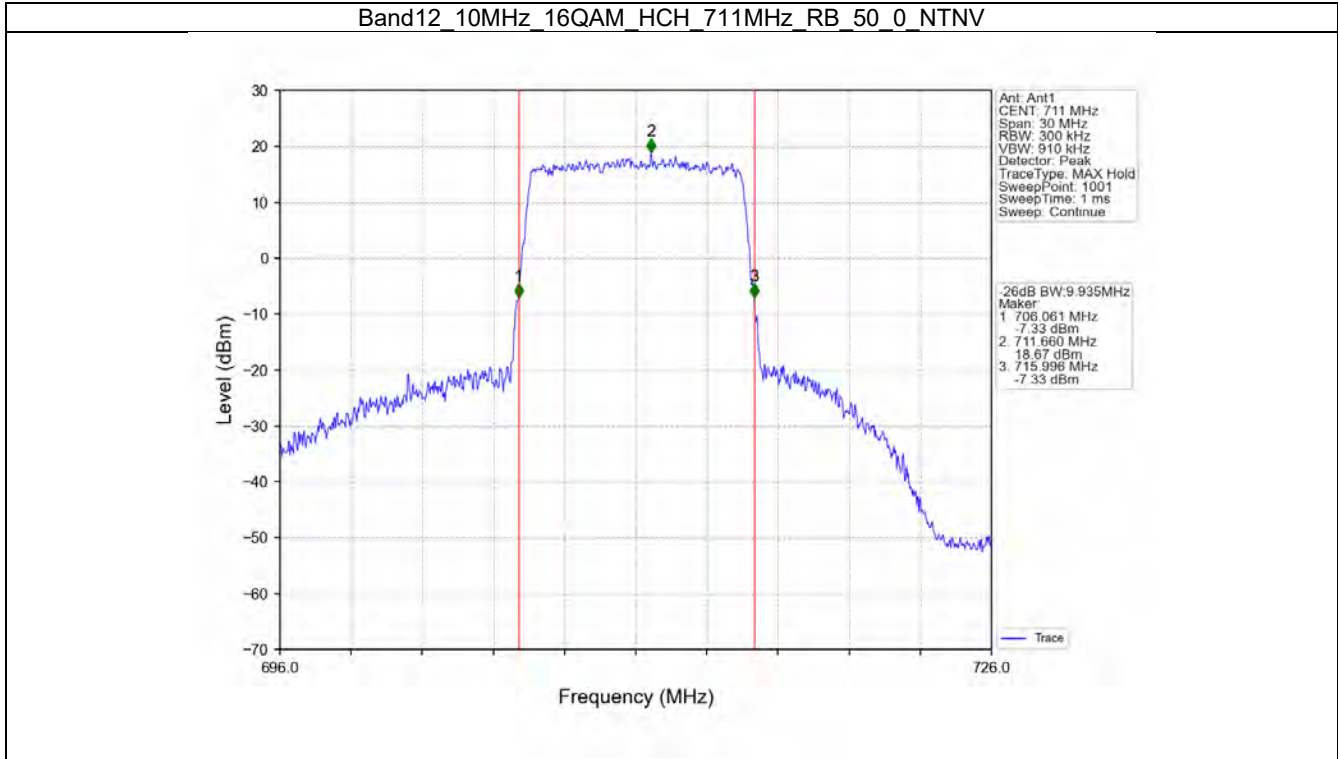
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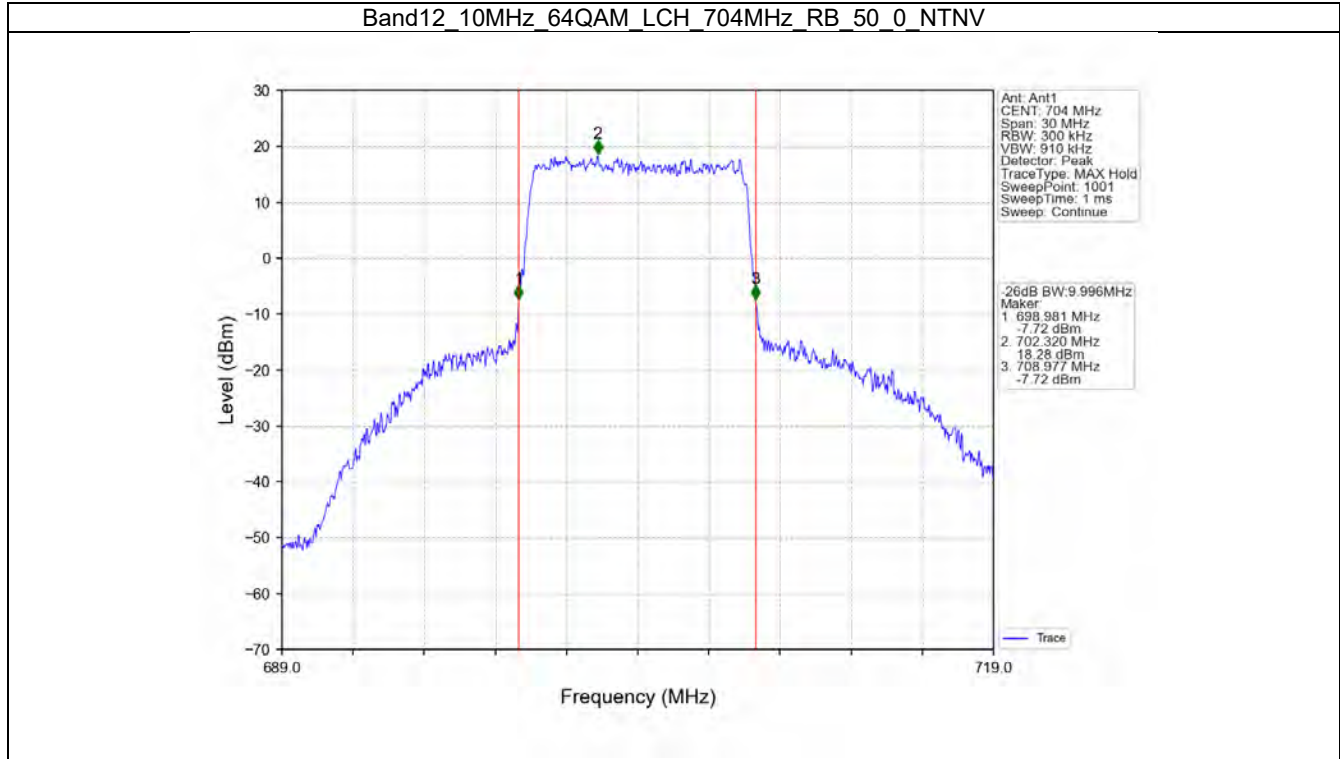
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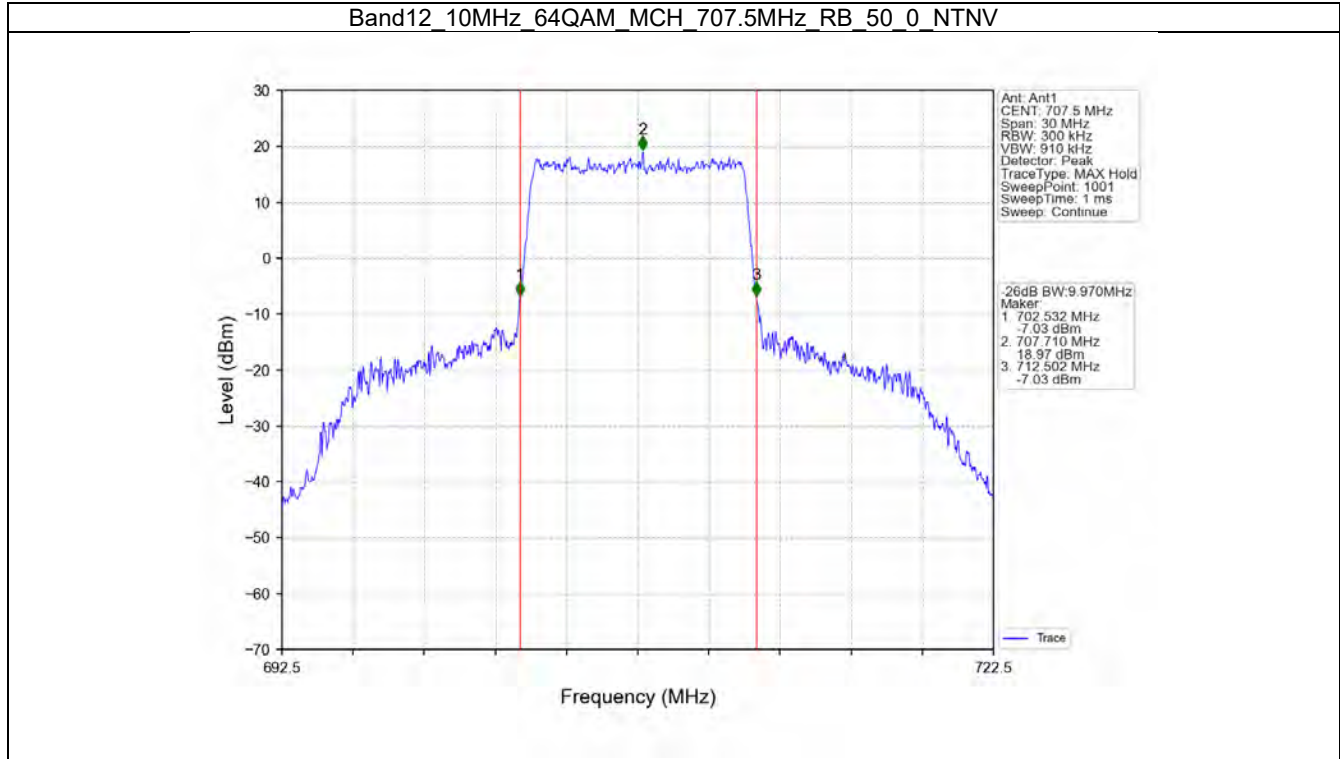
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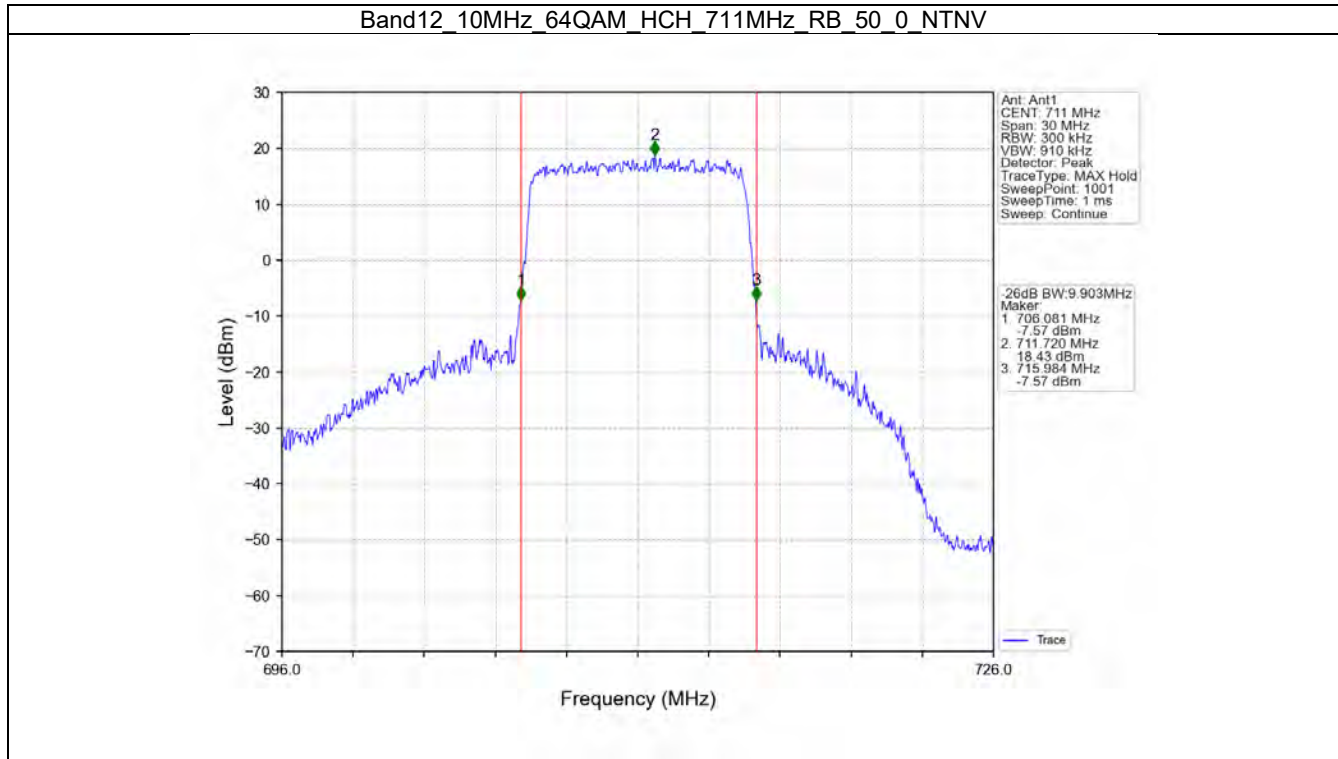


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4. Peak-Average Ratio

4.1 B12_1.4MHz

4.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.87	<=13	Pass
	707.5	6	0	5.11	<=13	Pass
	715.3	6	0	4.45	<=13	Pass
16QAM	699.7	6	0	5.88	<=13	Pass
	707.5	6	0	6.07	<=13	Pass
	715.3	6	0	5.51	<=13	Pass
64QAM	699.7	6	0	5.46	<=13	Pass
	707.5	6	0	5.93	<=13	Pass
	715.3	6	0	5.23	<=13	Pass



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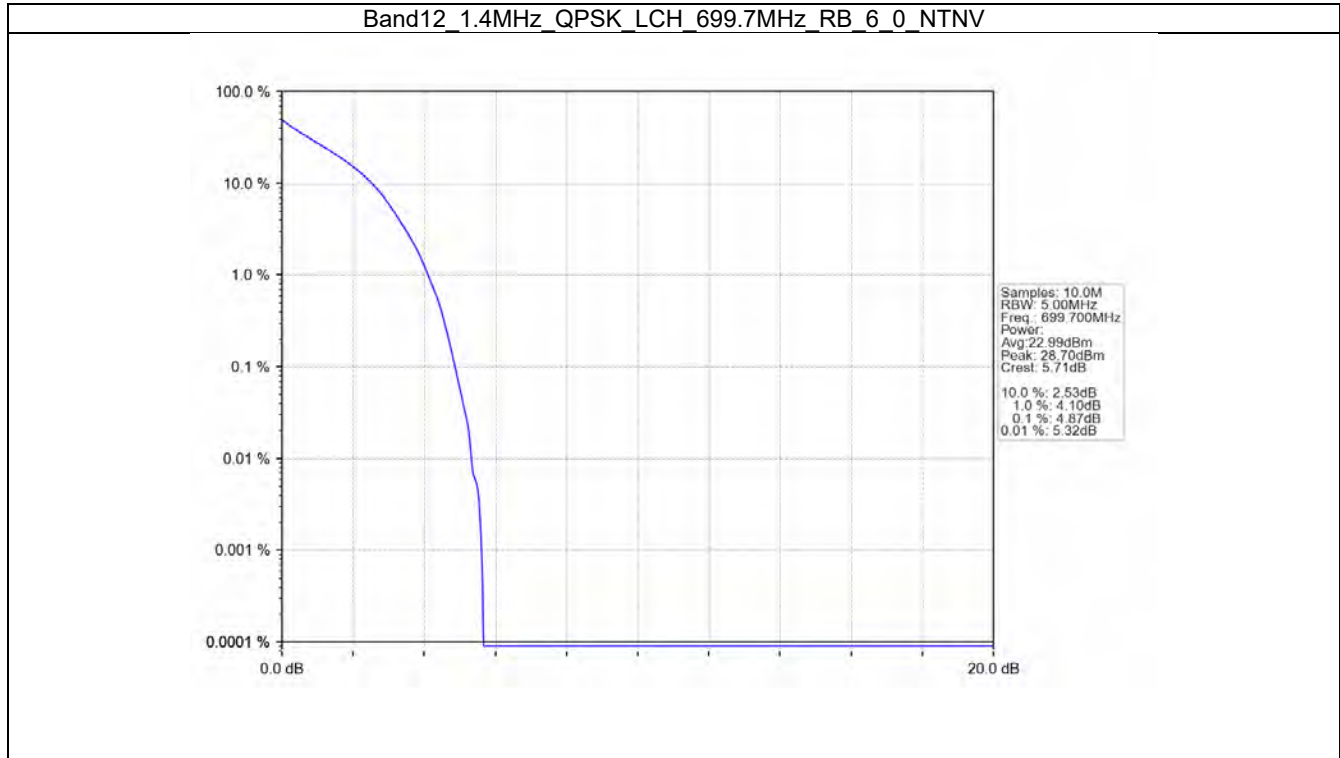
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4.1.2 Test Graph



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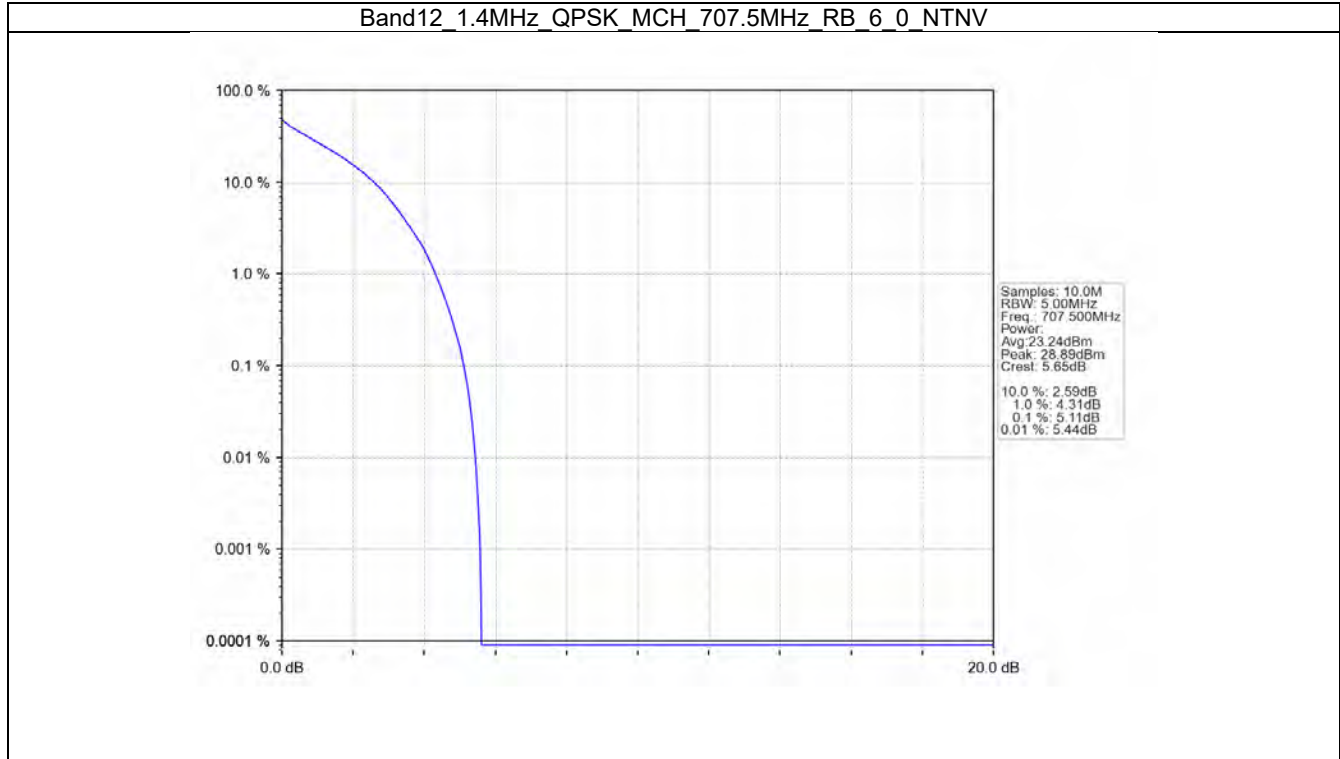
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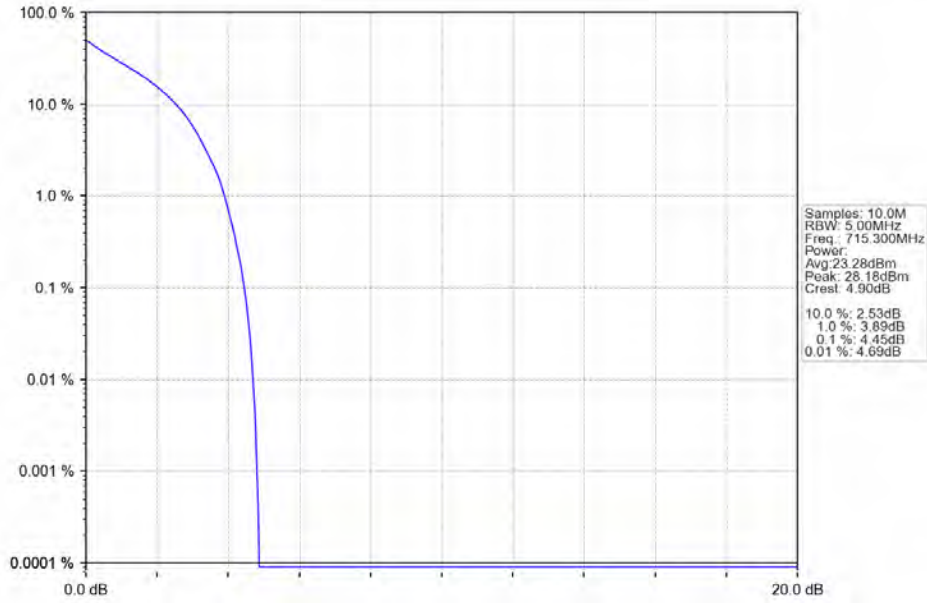
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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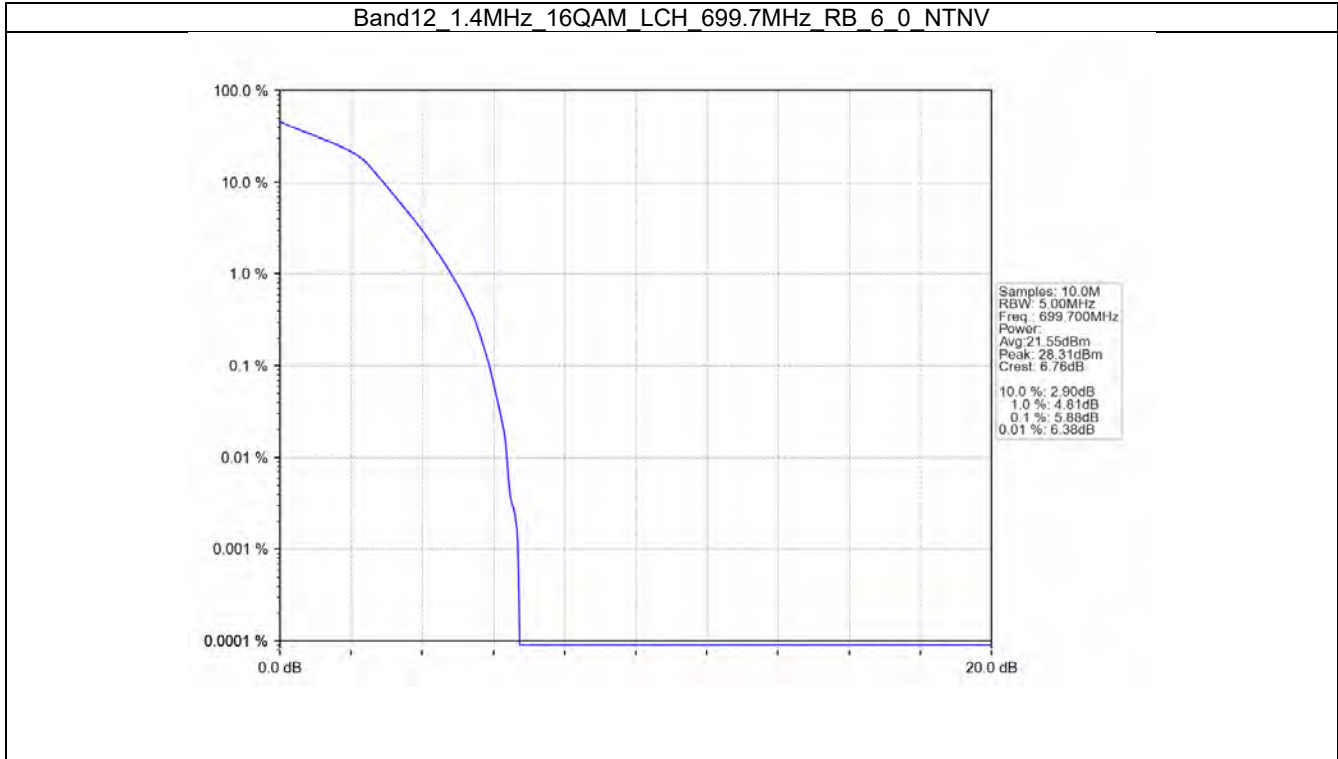
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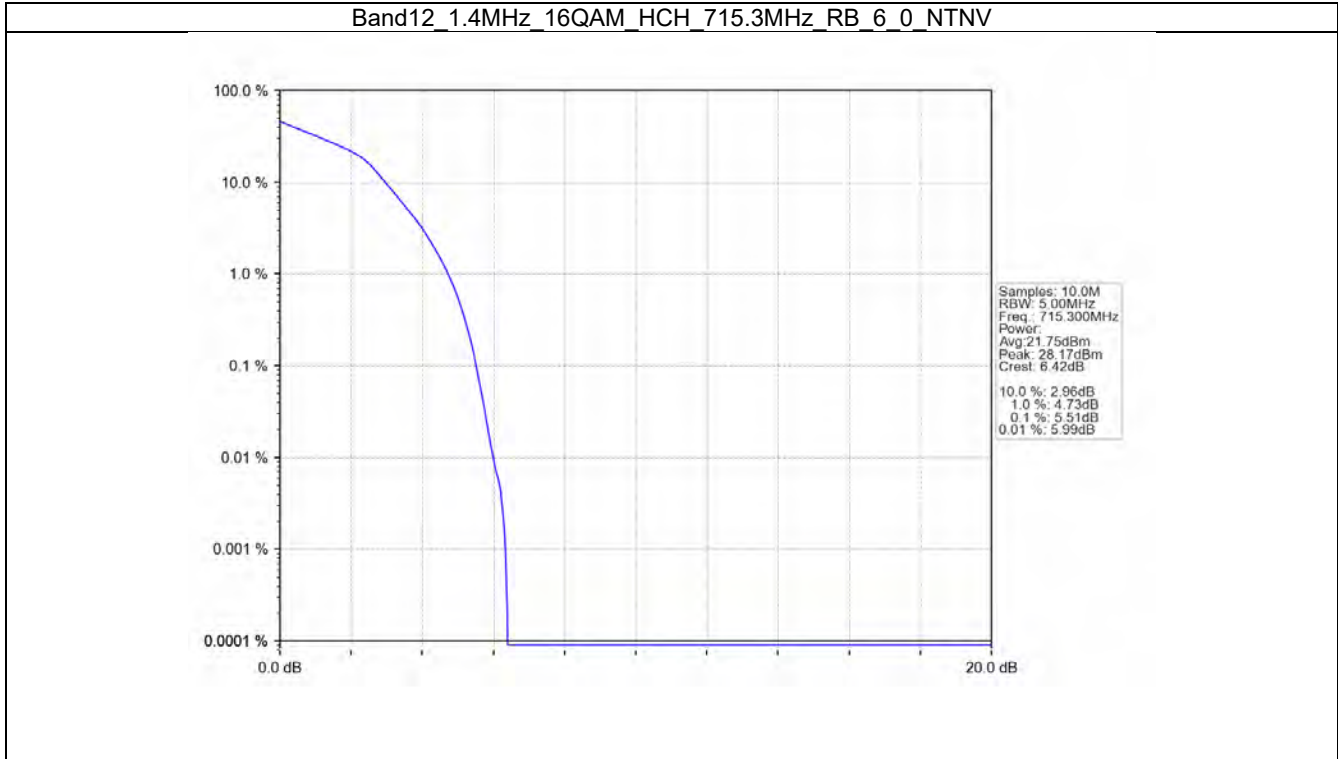
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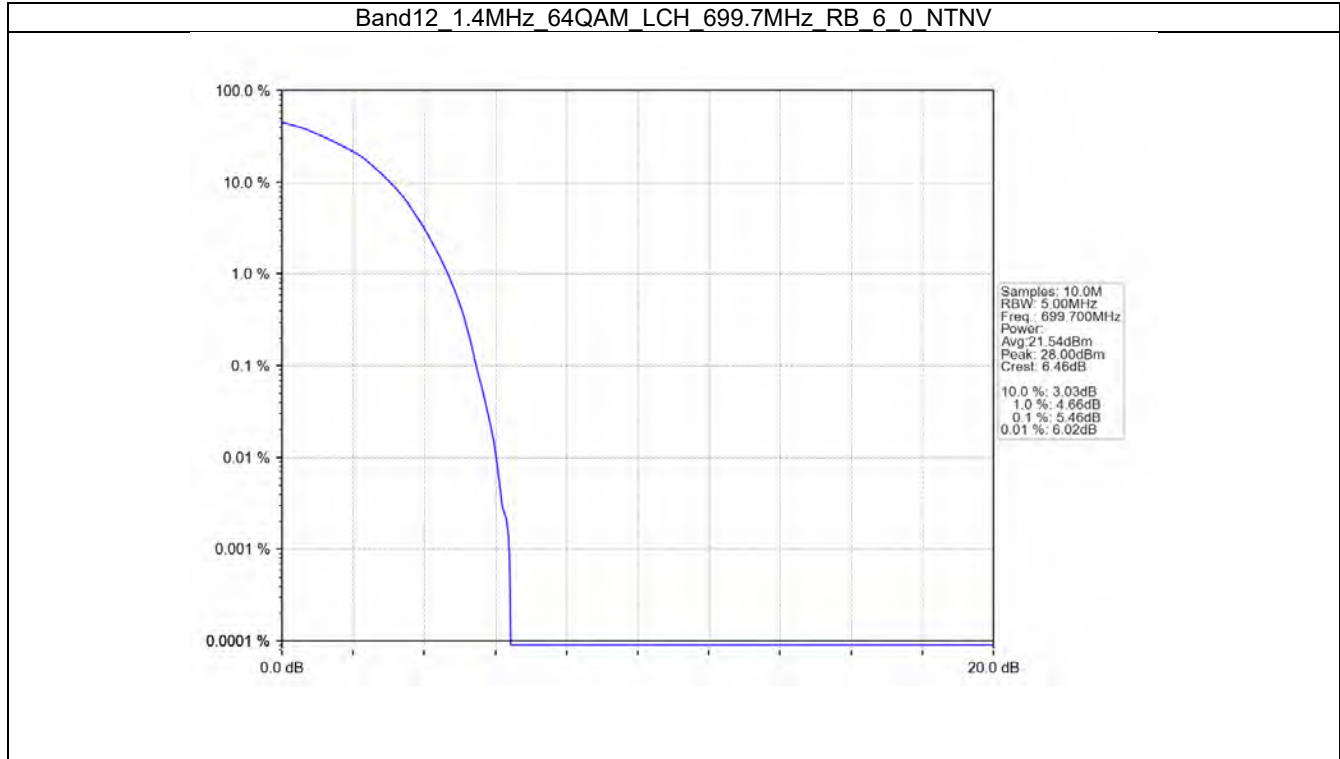
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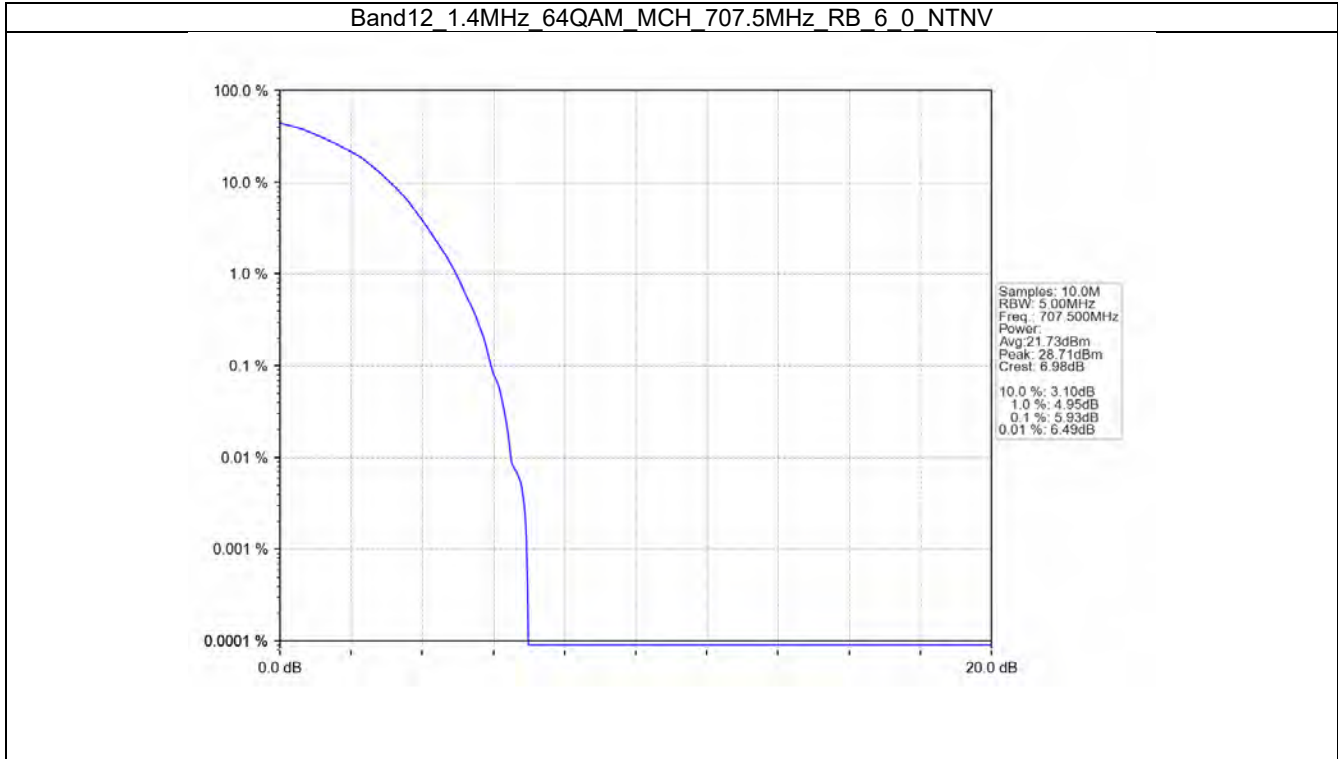
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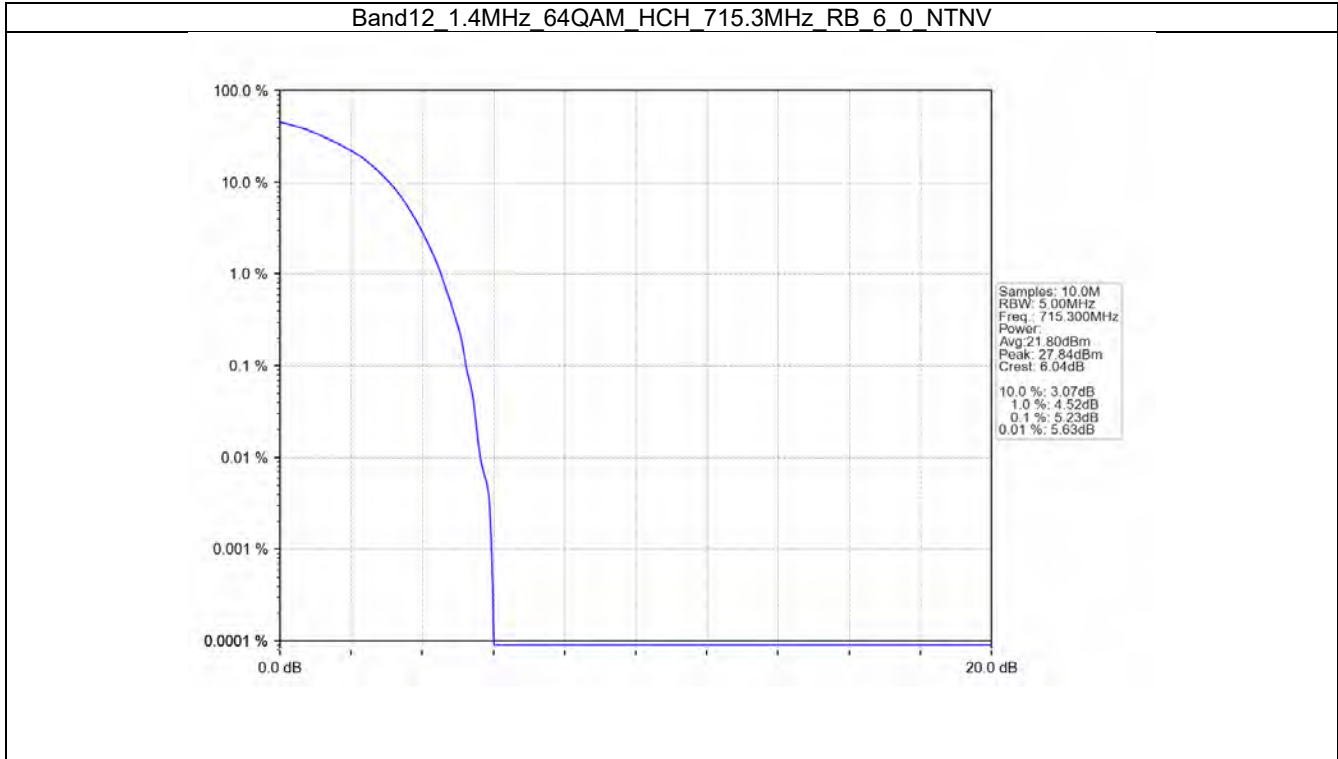
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4.2 B12_3MHz

4.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.06	<=13	Pass
	707.5	15	0	5.26	<=13	Pass
	714.5	15	0	4.76	<=13	Pass
16QAM	700.5	15	0	5.99	<=13	Pass
	707.5	15	0	6.19	<=13	Pass
	714.5	15	0	5.73	<=13	Pass
64QAM	700.5	15	0	5.79	<=13	Pass
	707.5	15	0	5.98	<=13	Pass
	714.5	15	0	5.51	<=13	Pass



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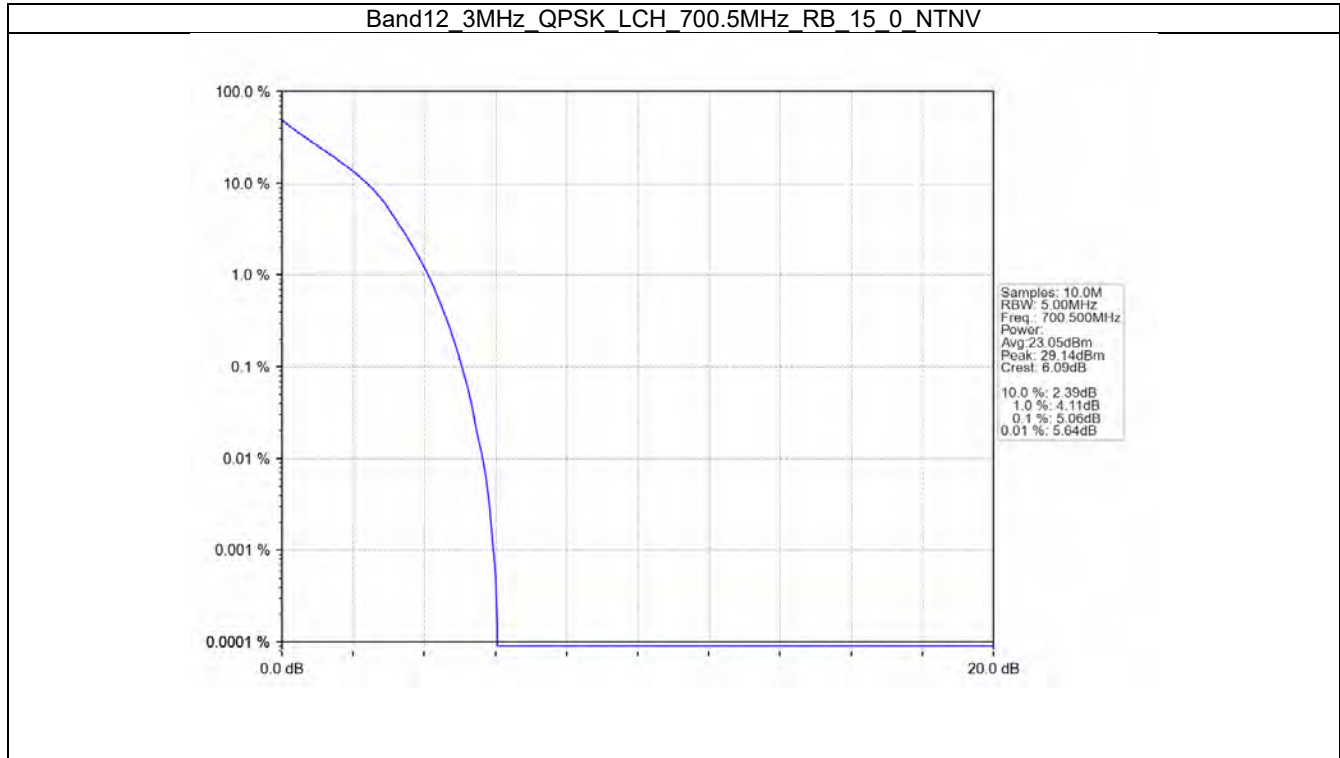
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4.2.2 Test Graph



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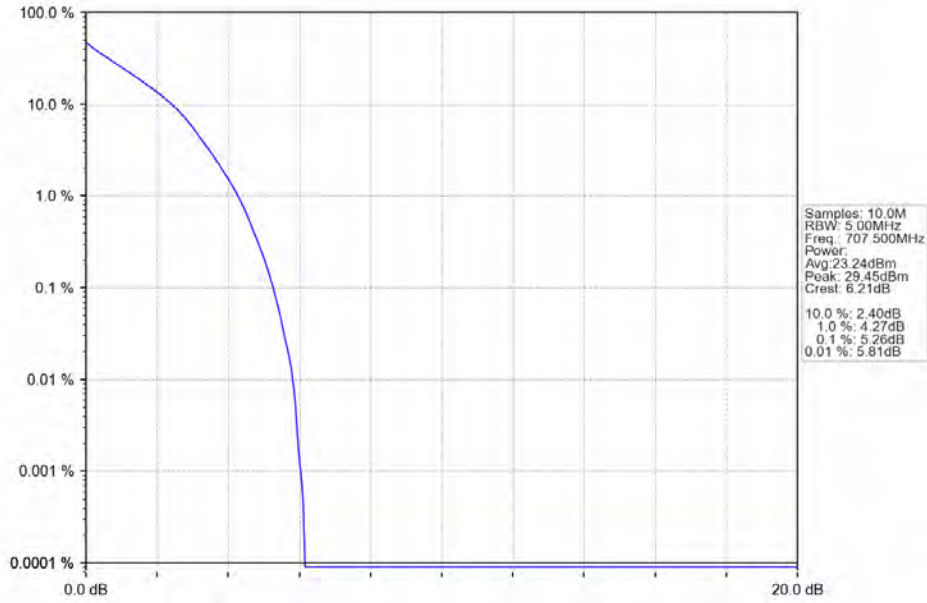
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Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



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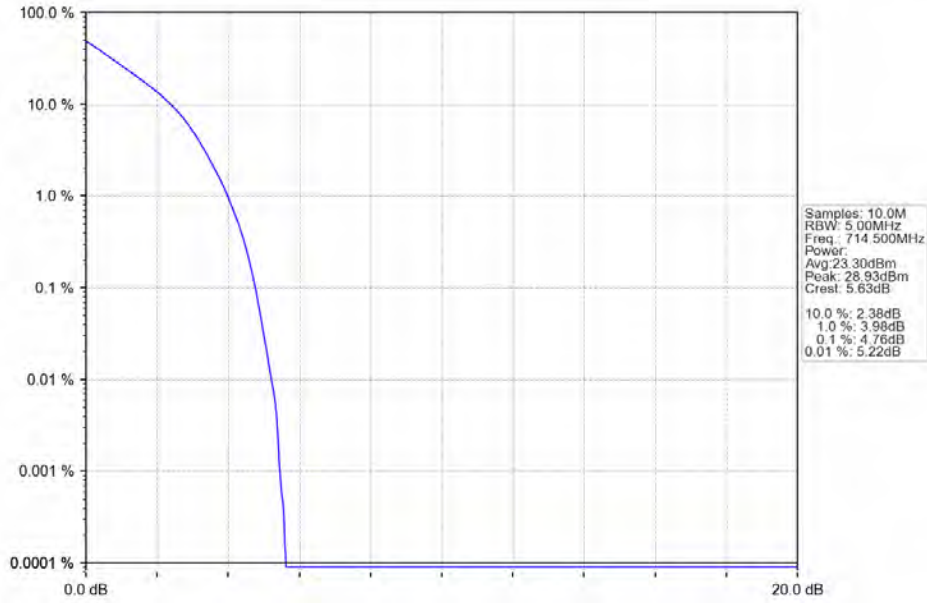
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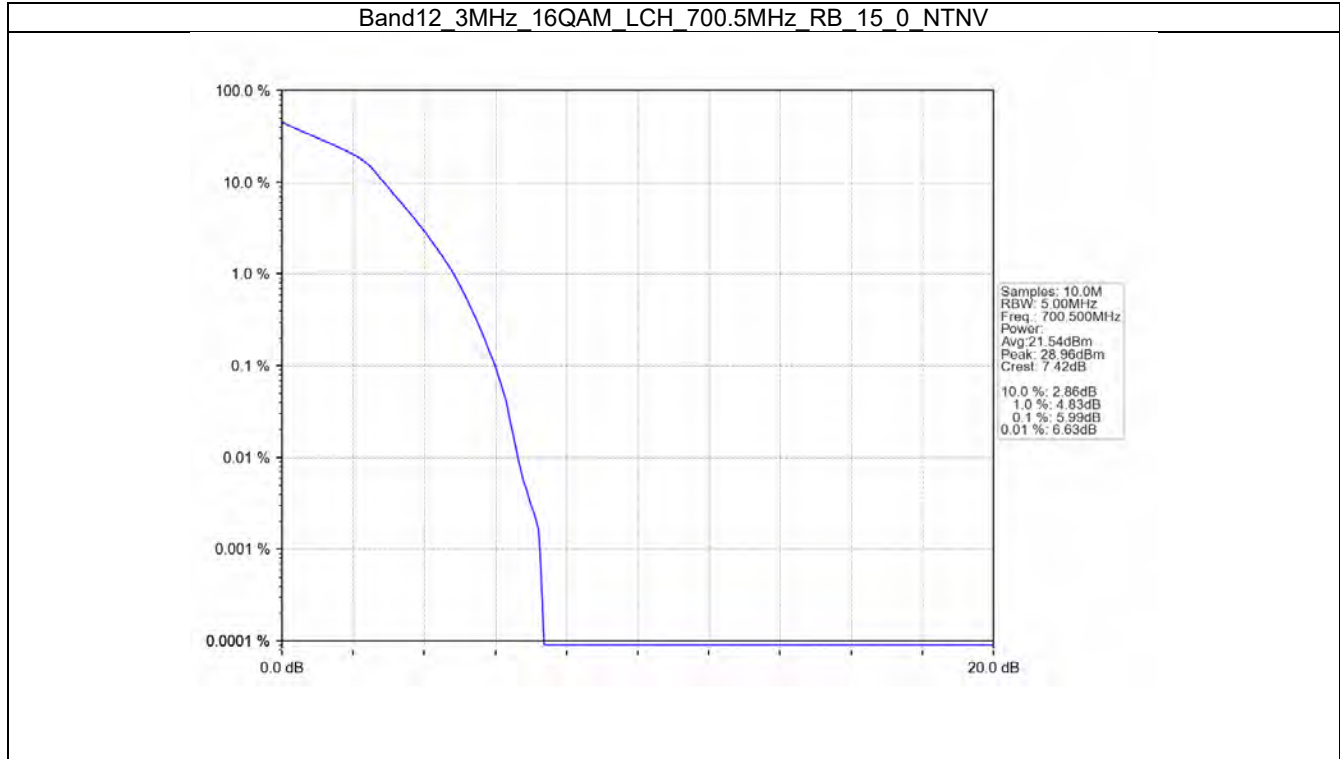
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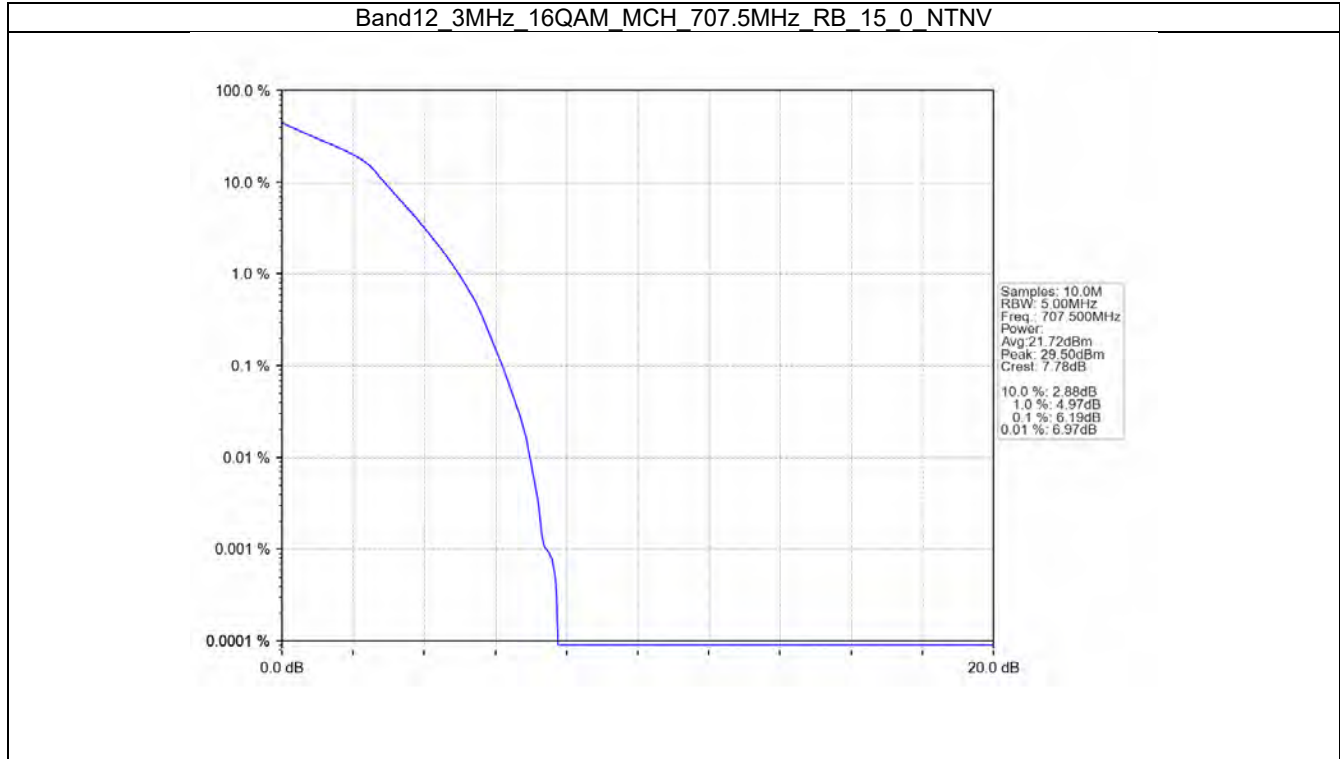
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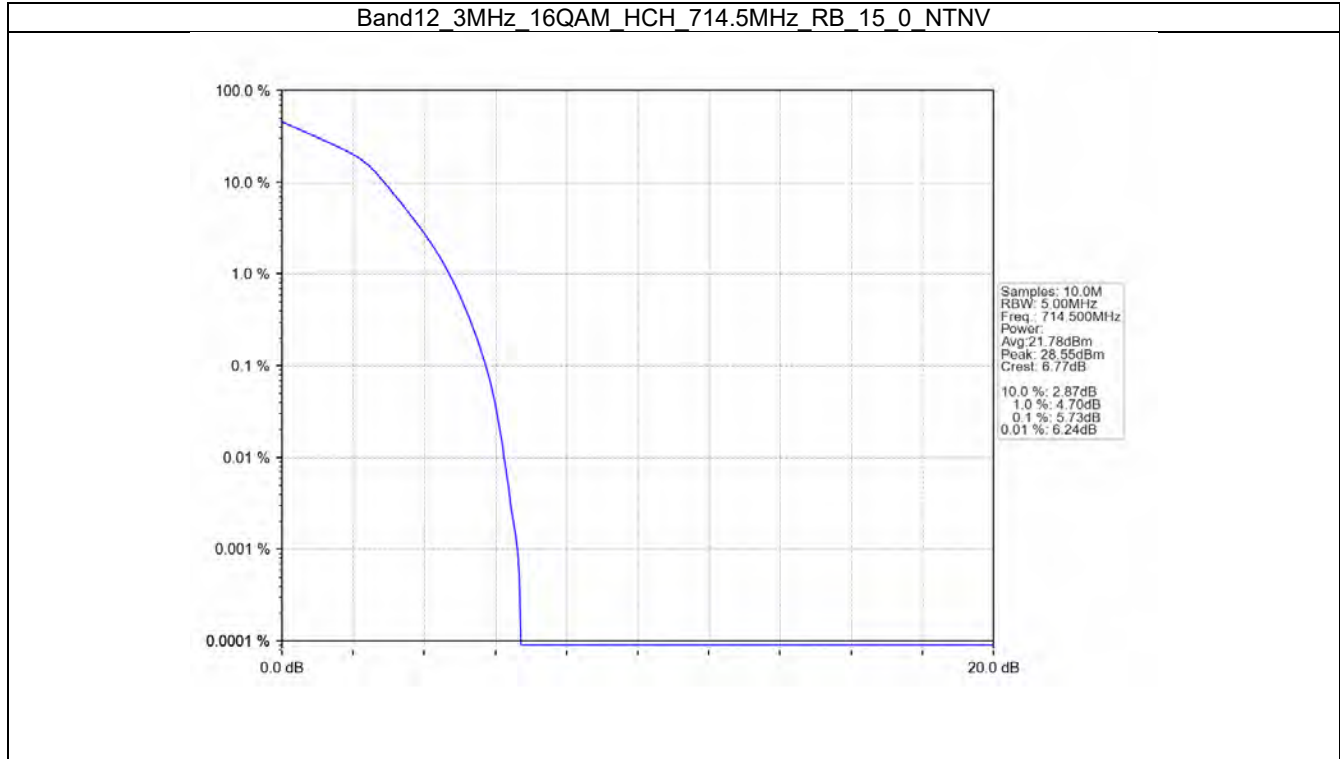
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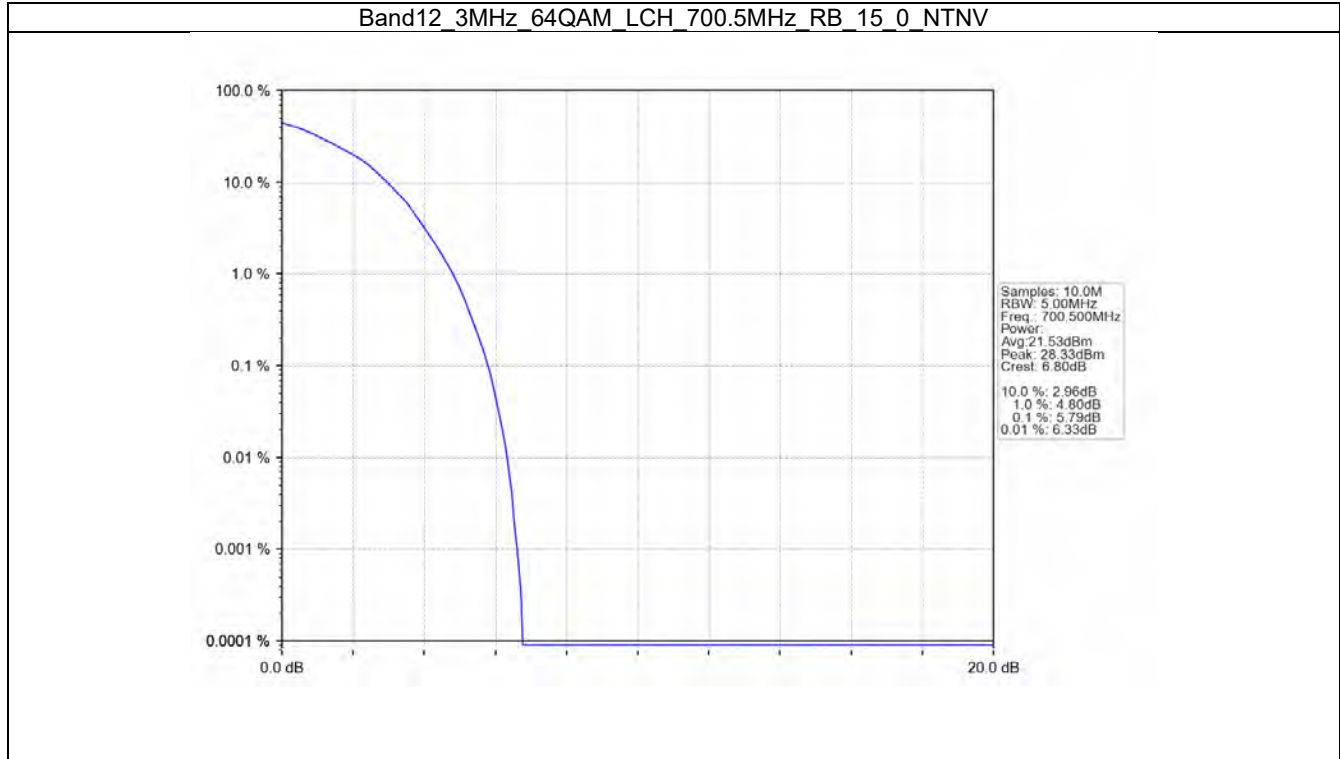
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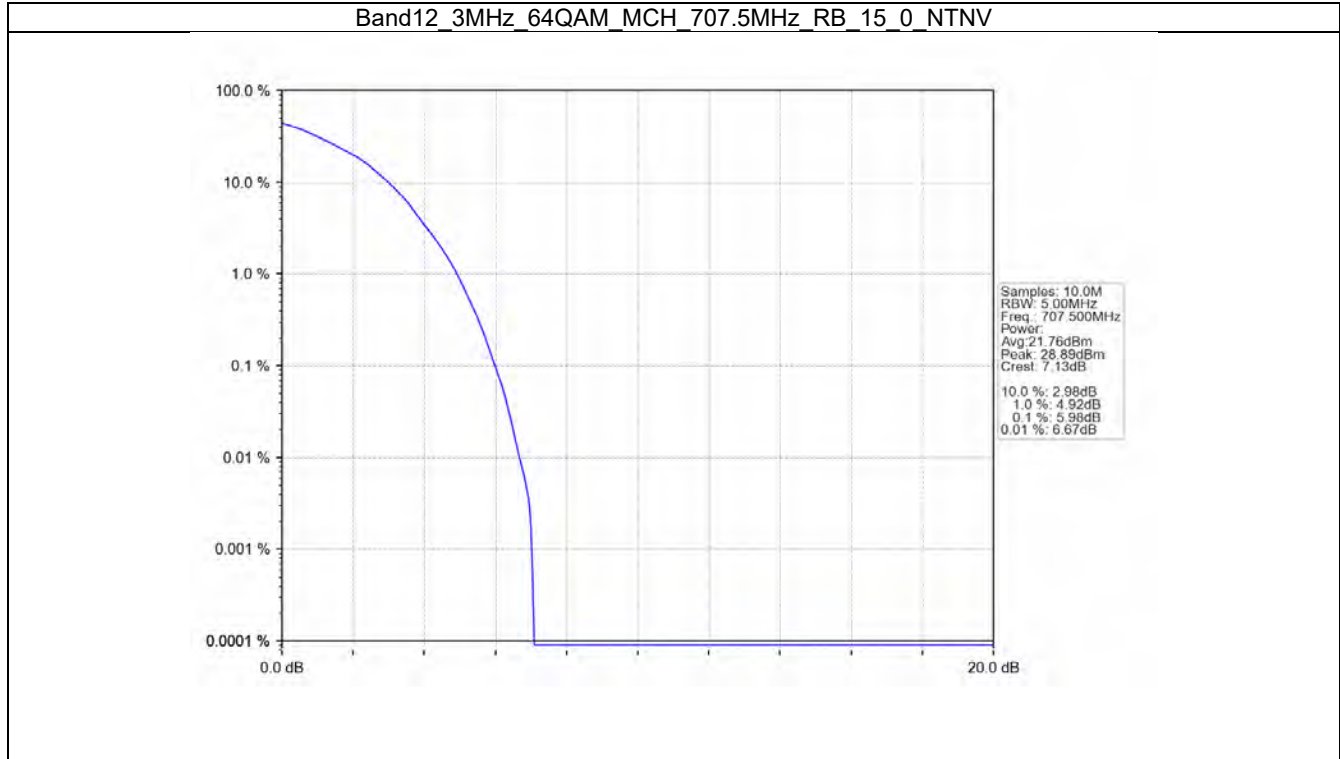
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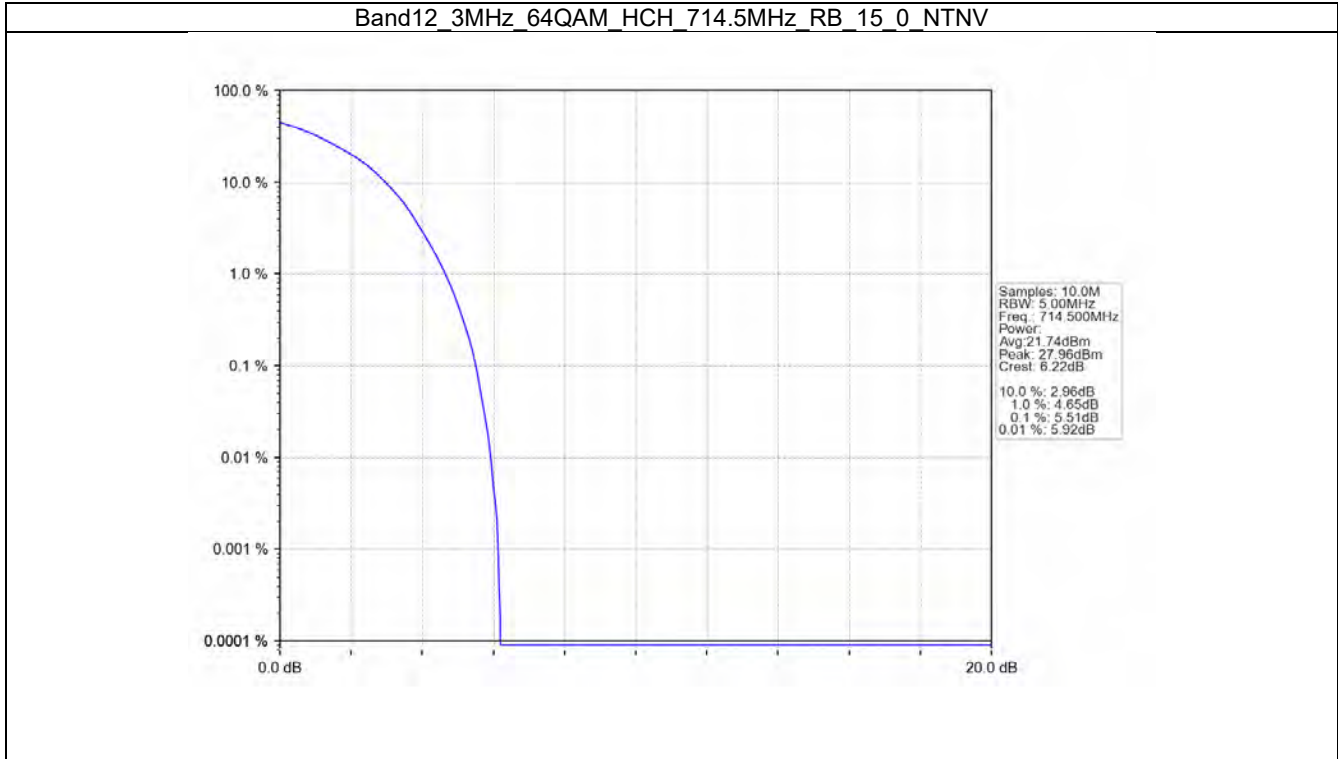
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4.3 B12_5MHz

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	5.22	<=13	Pass
	707.5	25	0	5.46	<=13	Pass
	713.5	25	0	5.10	<=13	Pass
16QAM	701.5	25	0	6.00	<=13	Pass
	707.5	25	0	6.23	<=13	Pass
	713.5	25	0	5.95	<=13	Pass
64QAM	701.5	25	0	5.90	<=13	Pass
	707.5	25	0	6.13	<=13	Pass
	713.5	25	0	5.82	<=13	Pass



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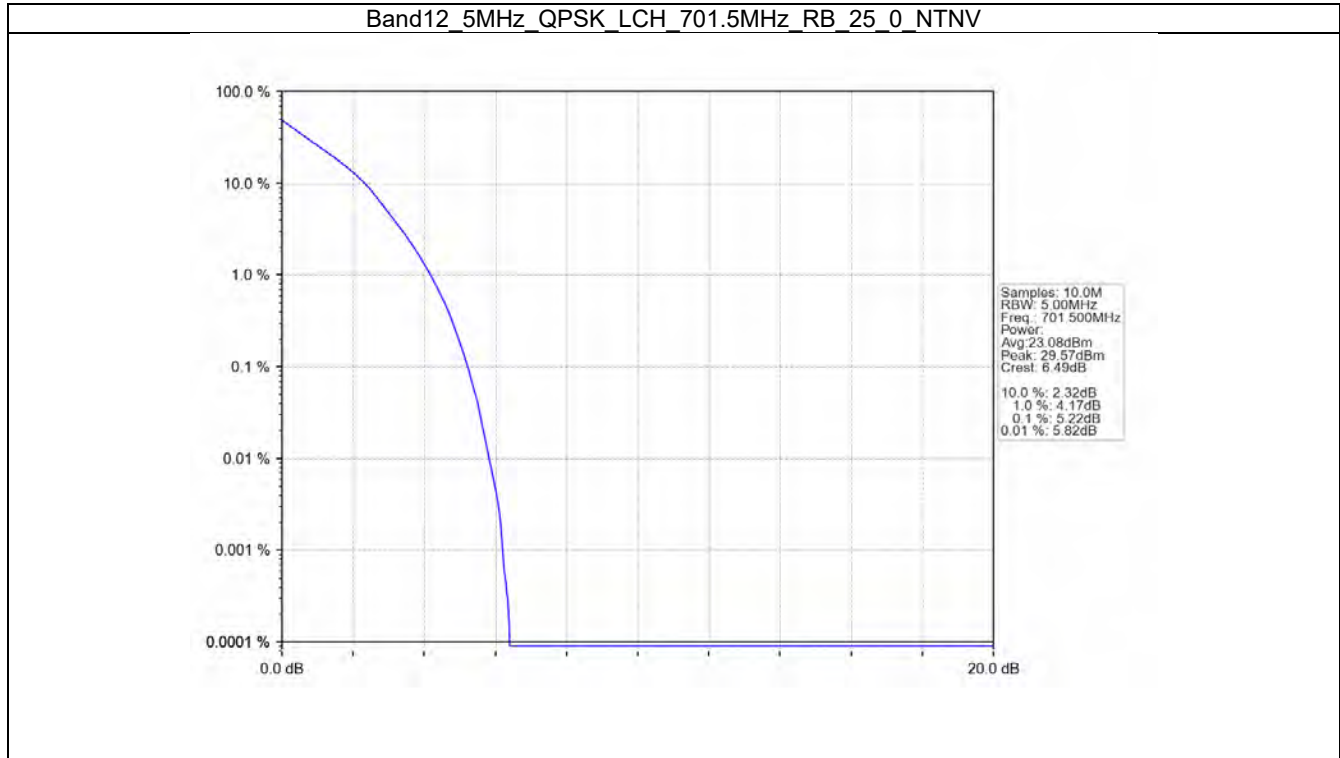
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4.3.2 Test Graph



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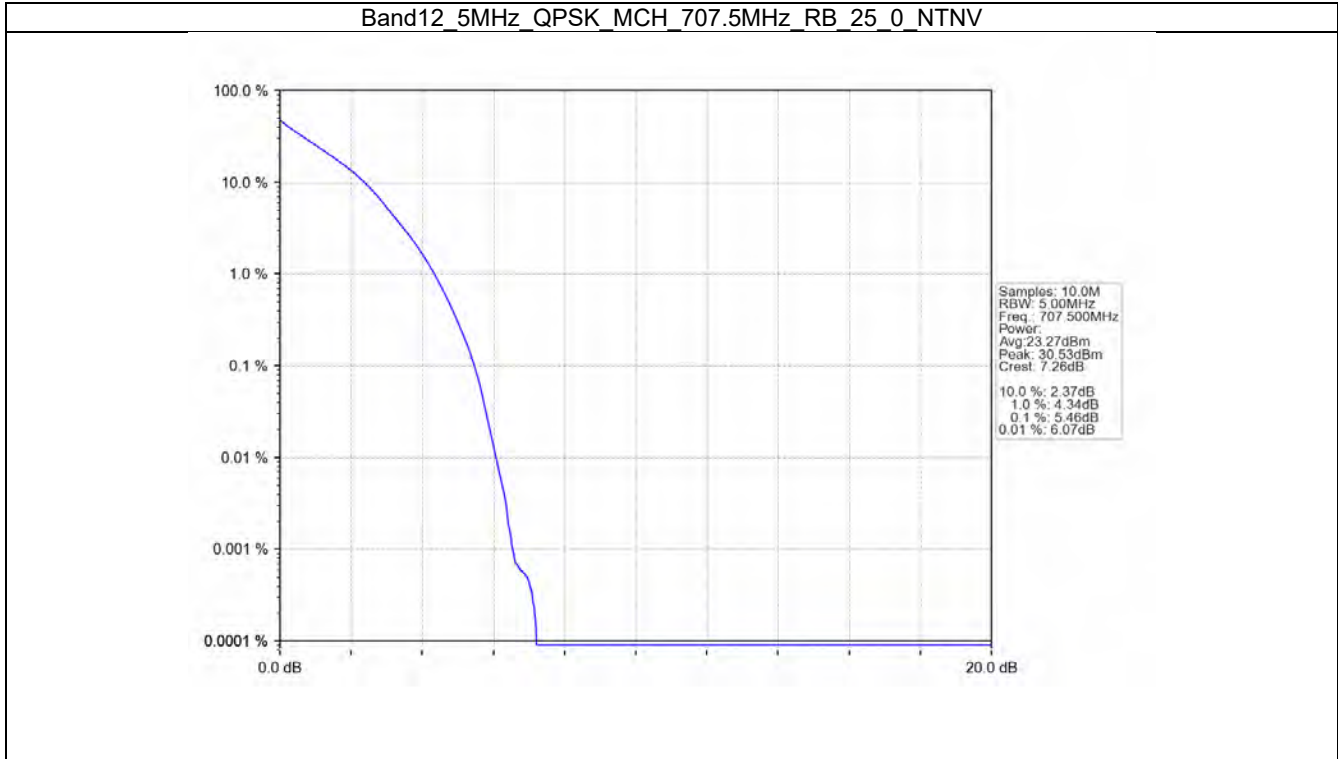
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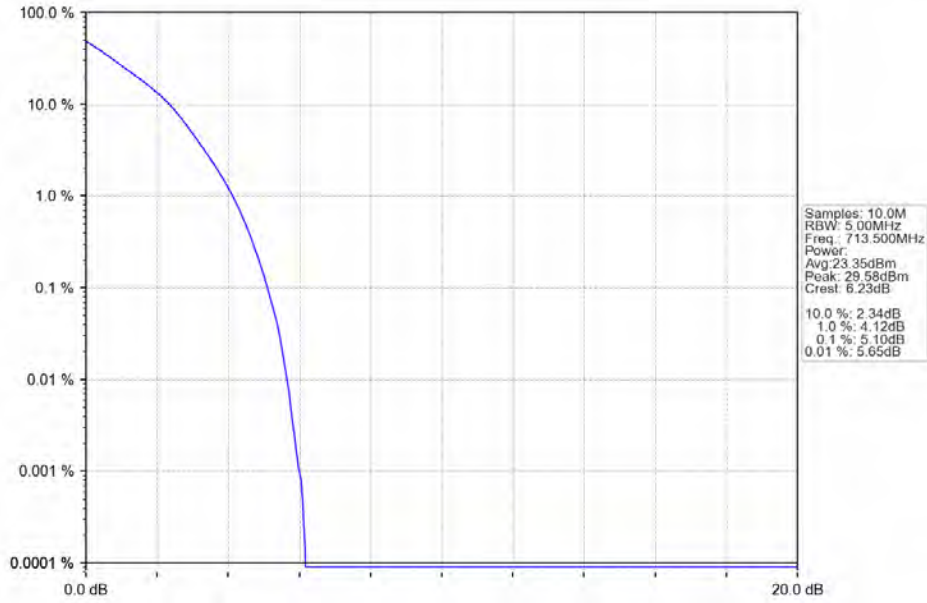
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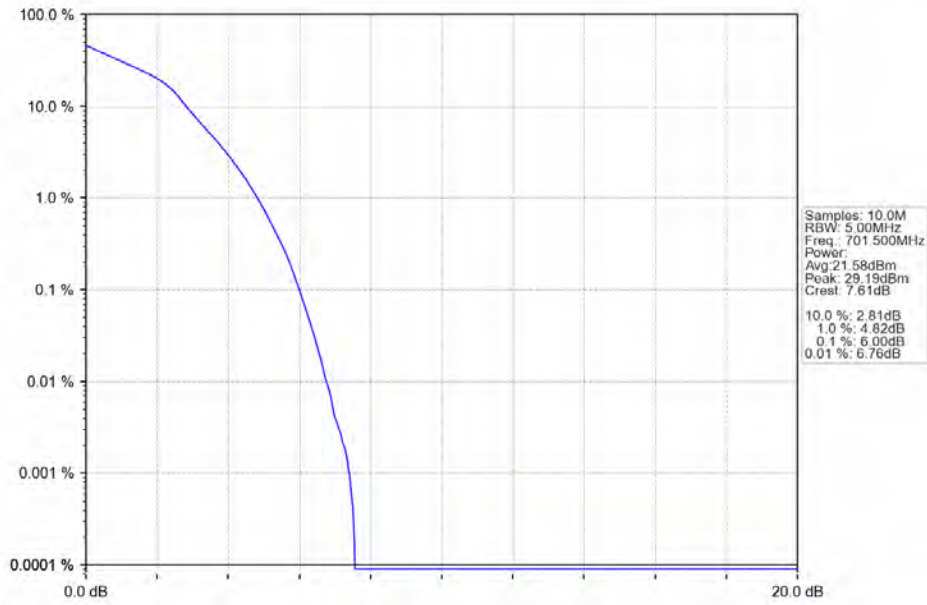
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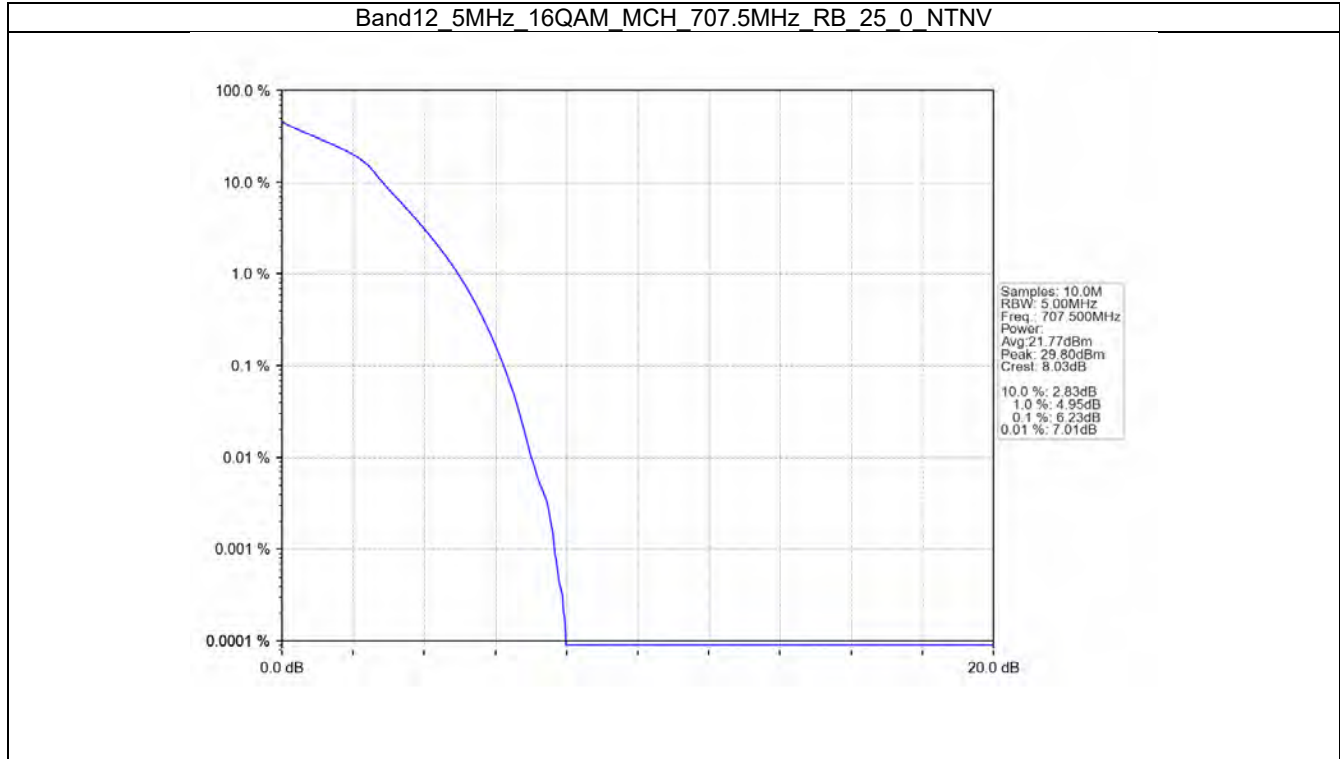
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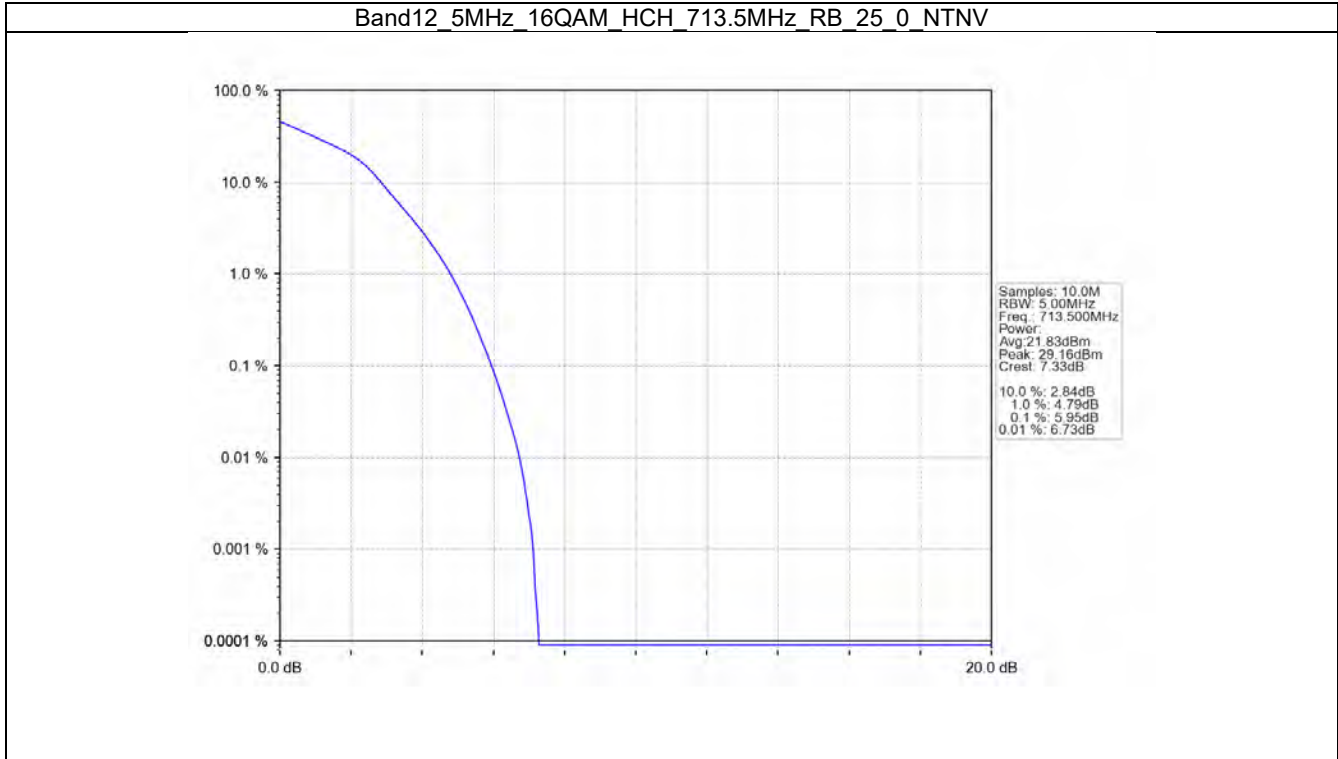
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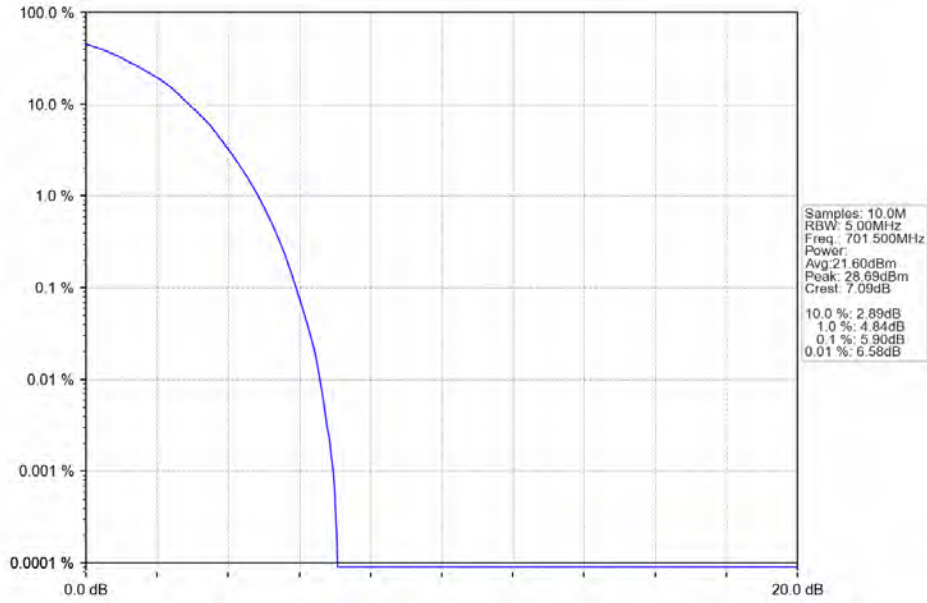
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Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



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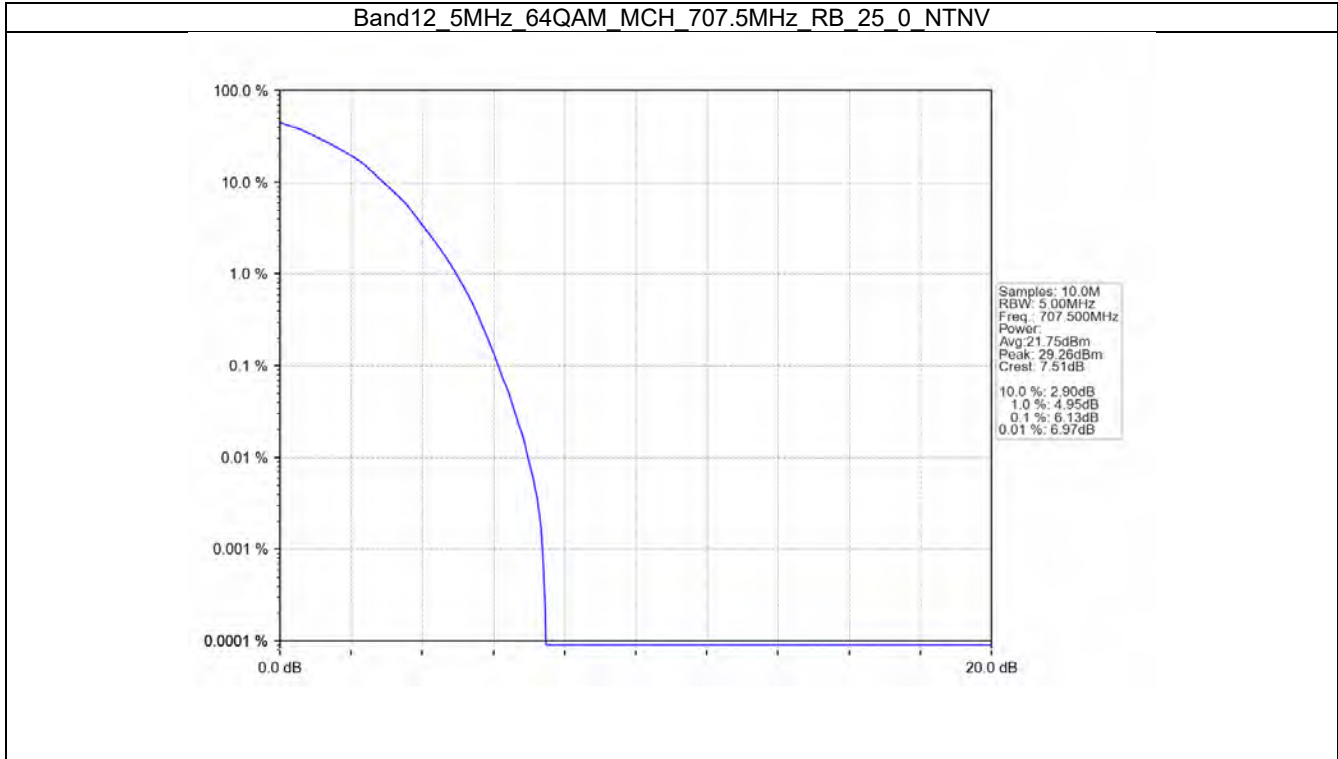
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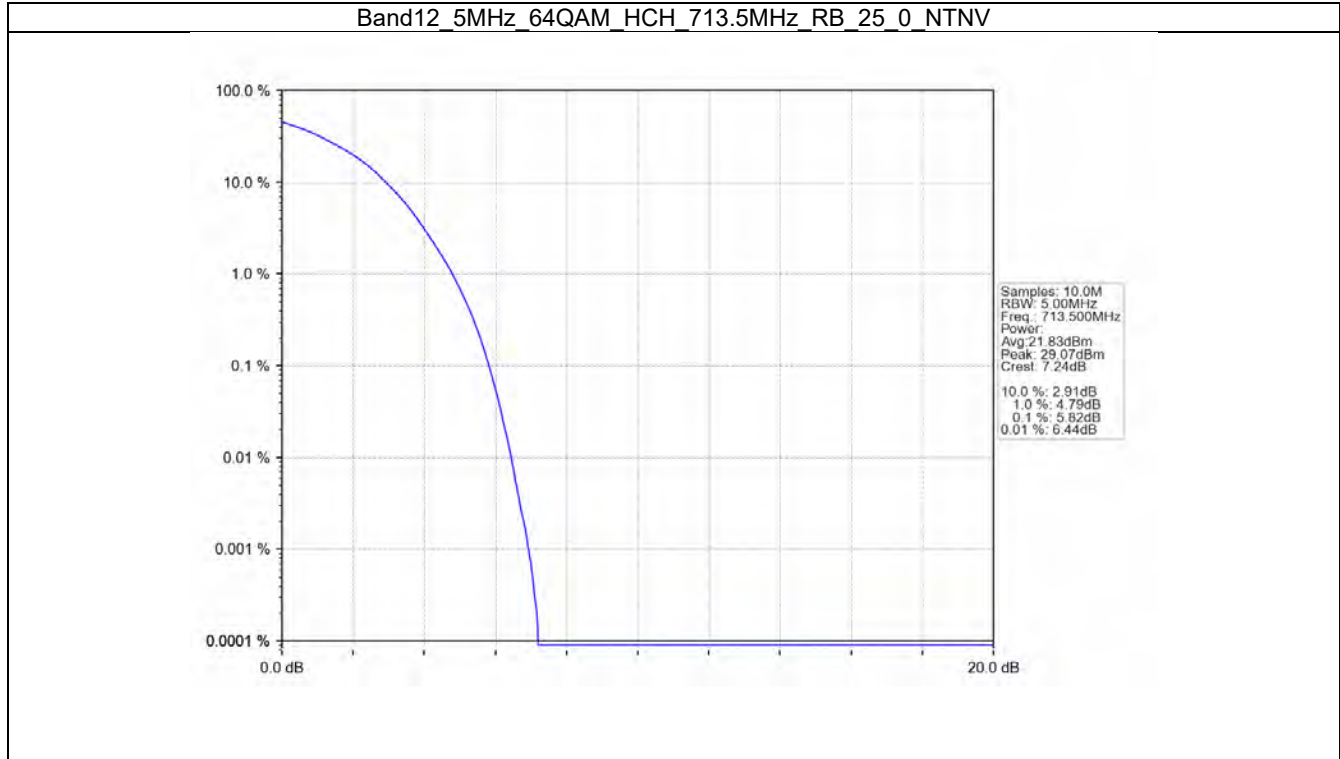
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4.4 B12_10MHz

4.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.35	<=13	Pass
	707.5	50	0	5.33	<=13	Pass
	711	50	0	5.16	<=13	Pass
16QAM	704	50	0	6.11	<=13	Pass
	707.5	50	0	6.18	<=13	Pass
	711	50	0	6.05	<=13	Pass
64QAM	704	50	0	6.05	<=13	Pass
	707.5	50	0	6.09	<=13	Pass
	711	50	0	5.96	<=13	Pass



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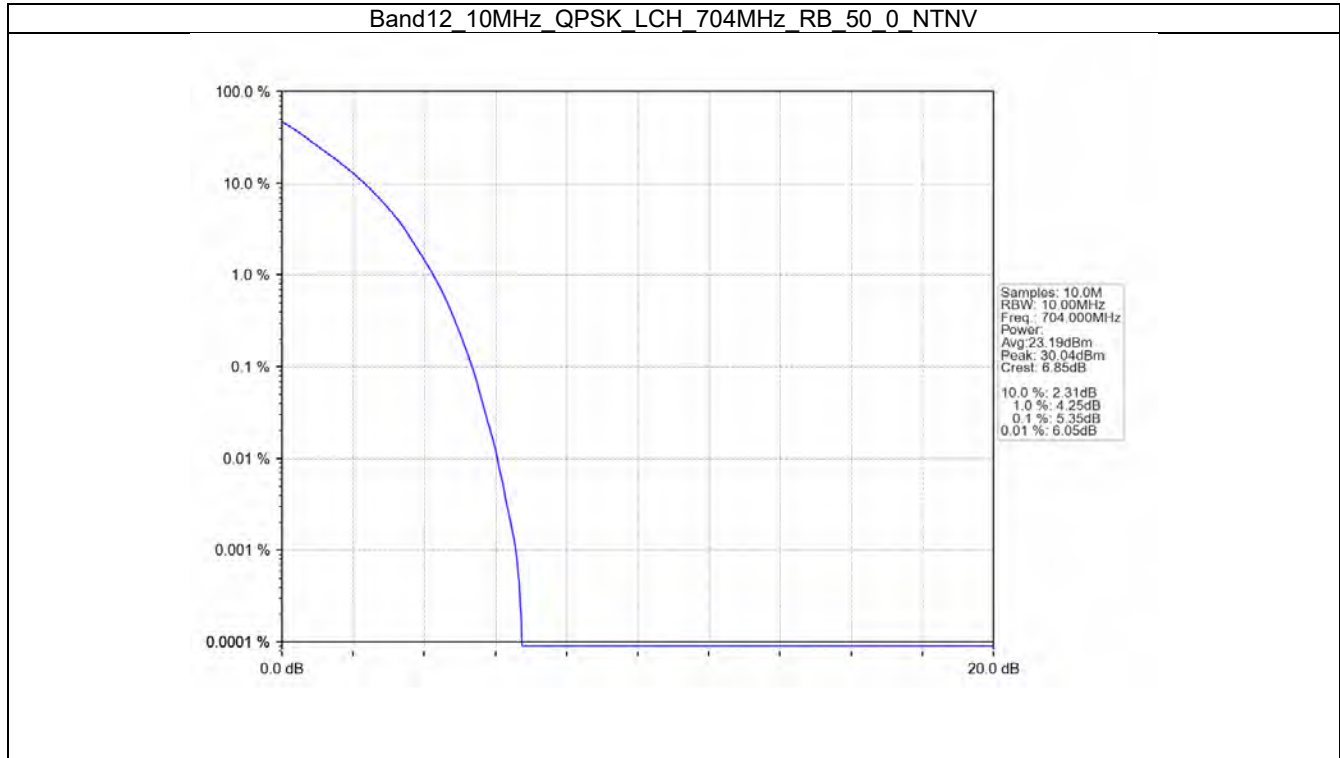
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4.4.2 Test Graph



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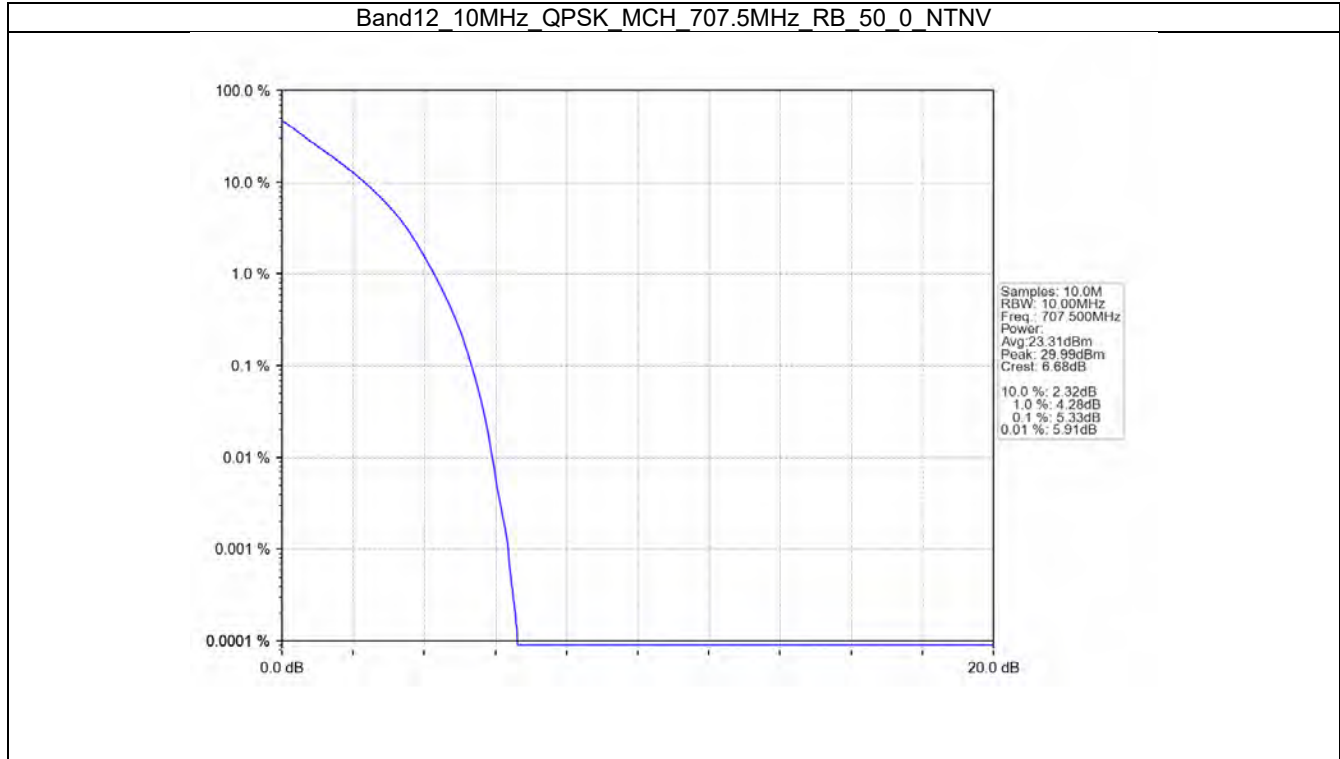
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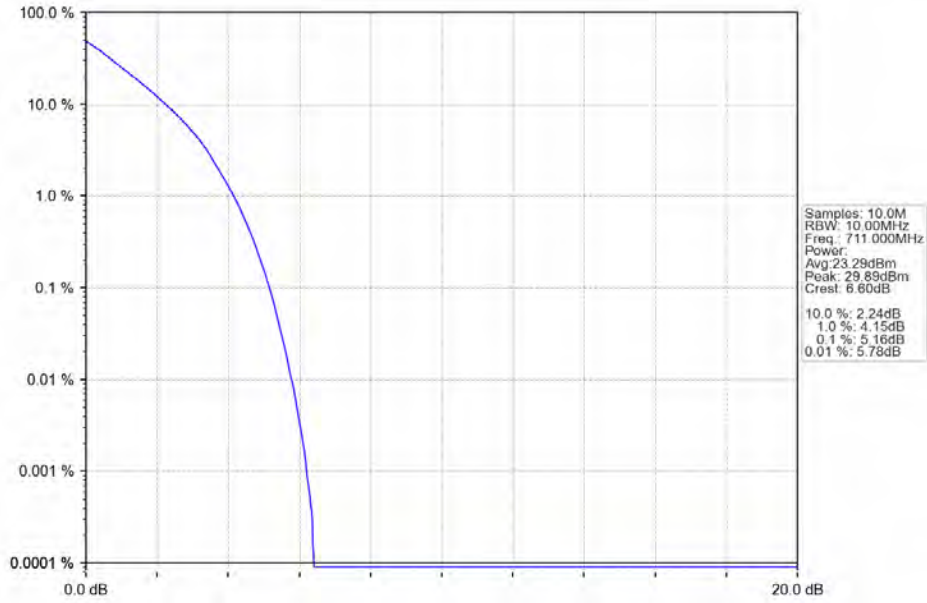
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Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



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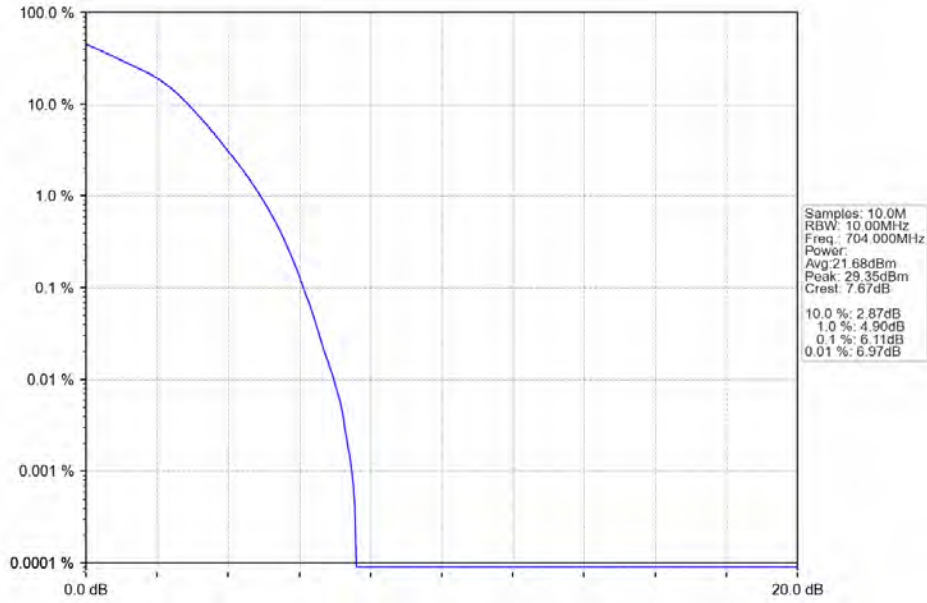
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Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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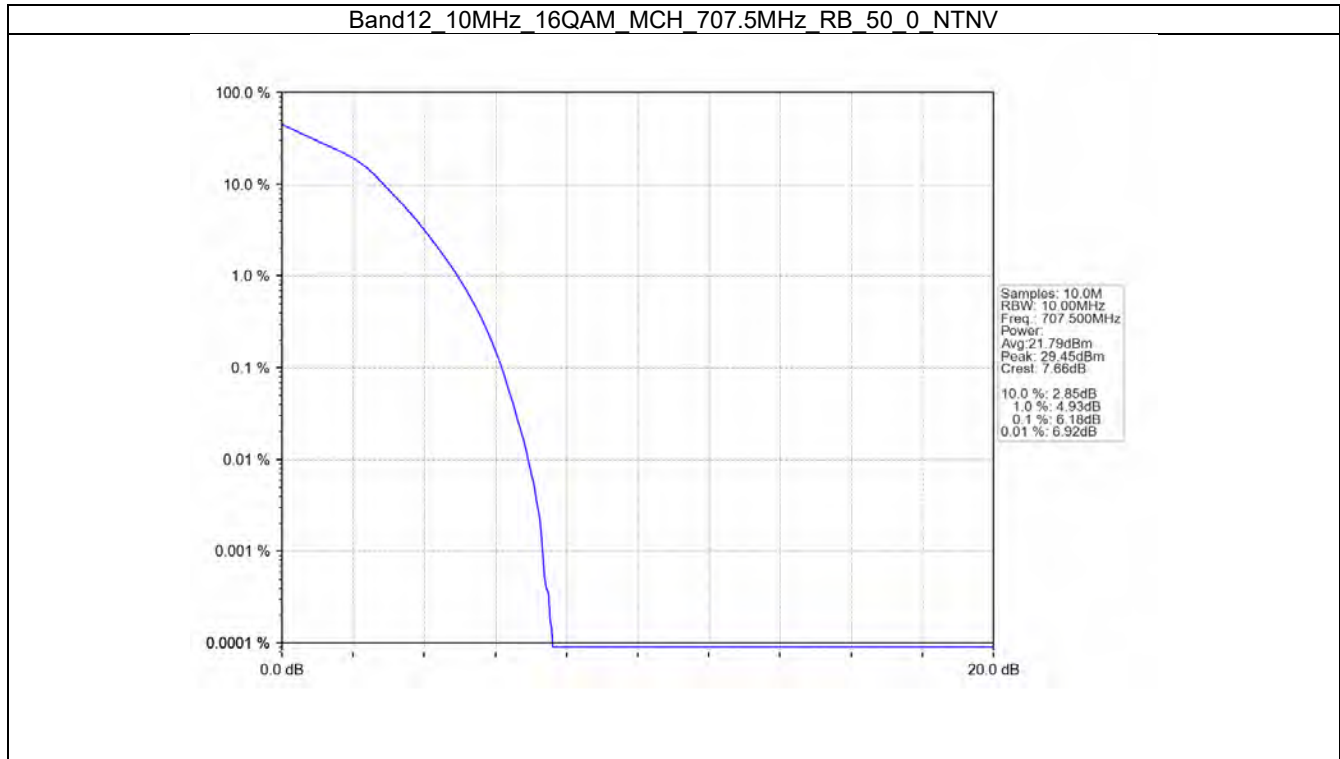
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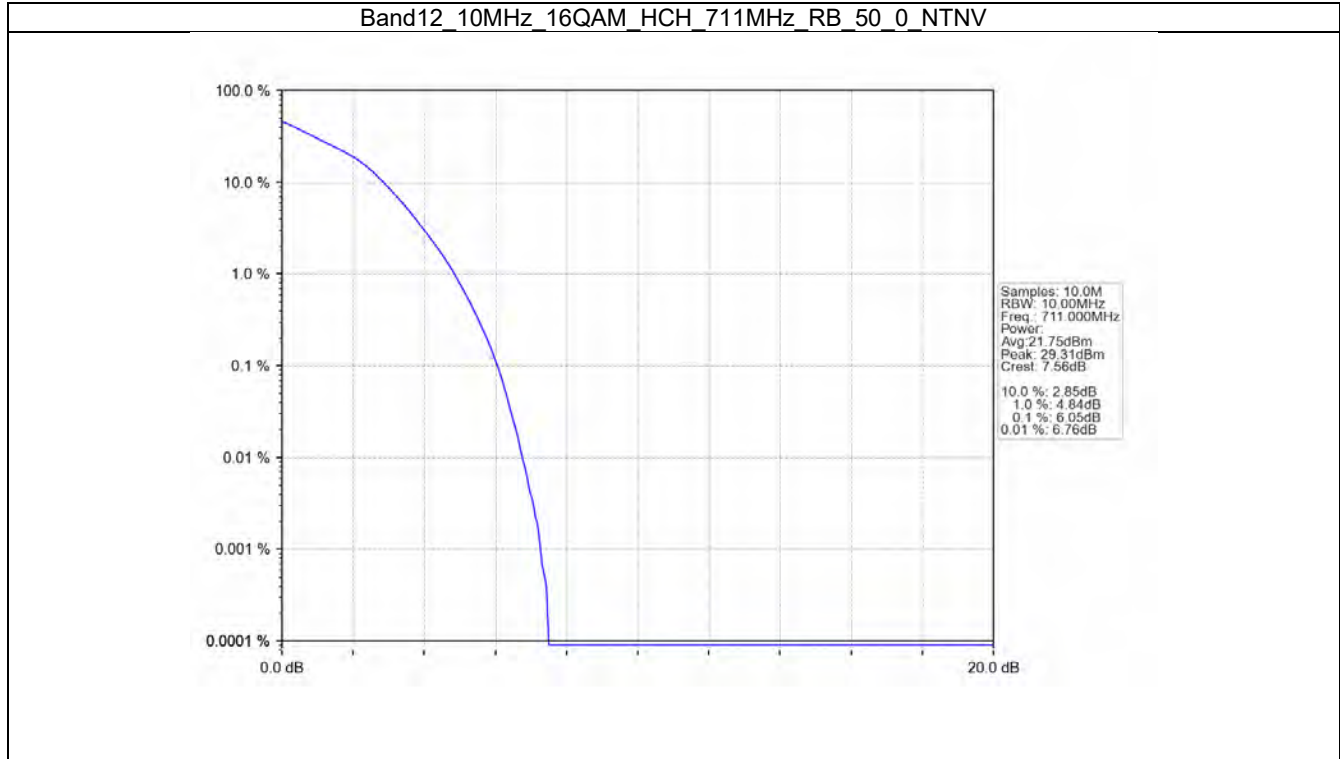
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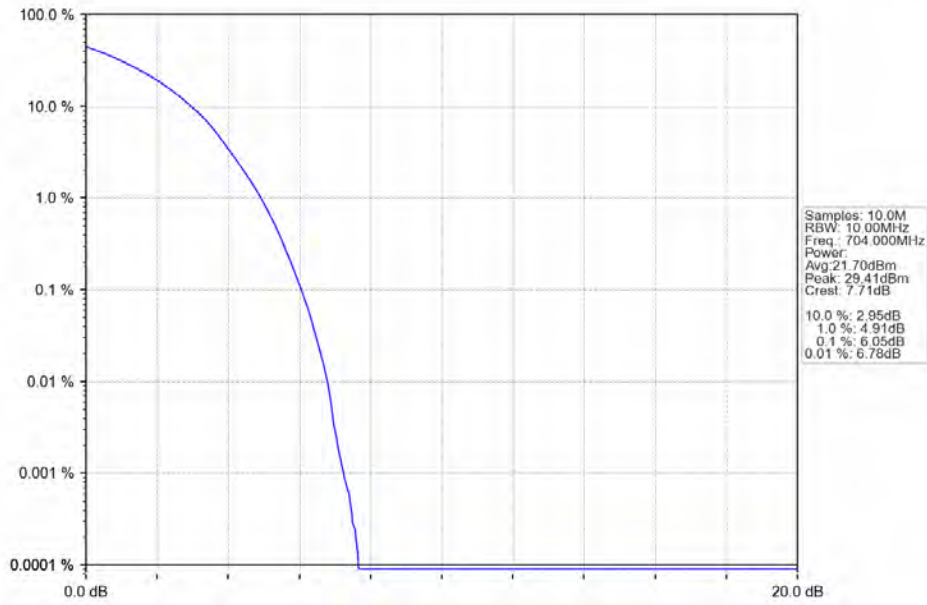
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Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



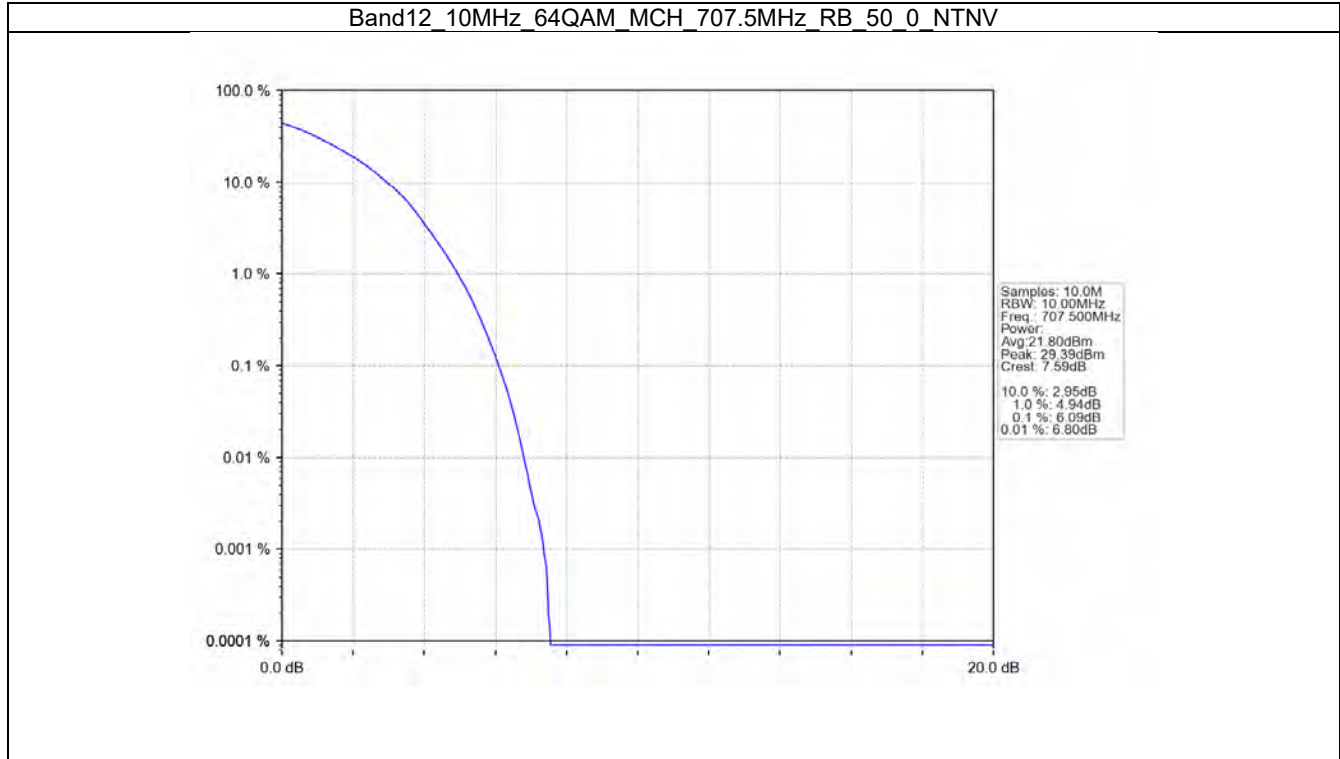
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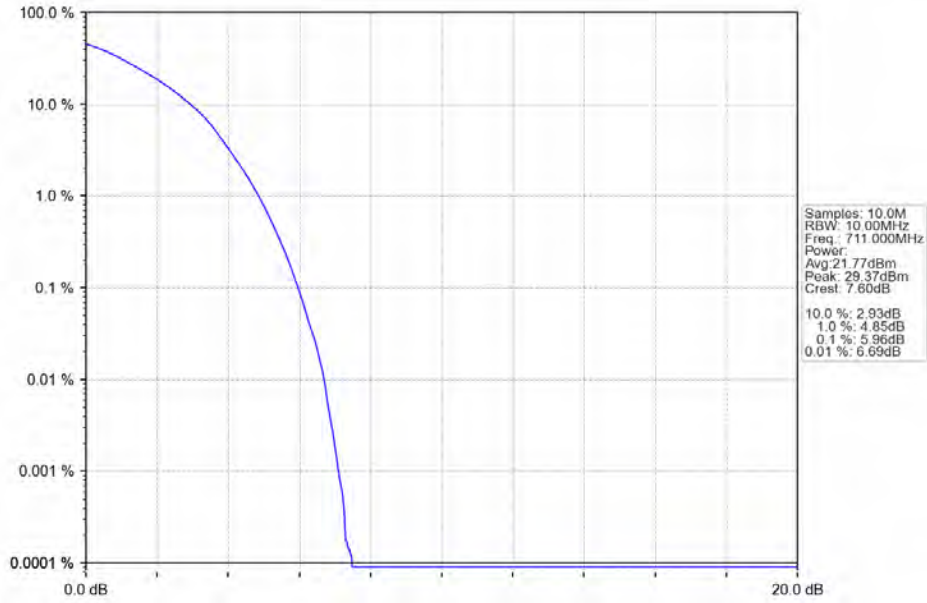
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Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



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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
		1	0	Refer To Test Graph		Pass
	715.3	1	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
		1	0	Refer To Test Graph		Pass
	715.3	1	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
		1	0	Refer To Test Graph		Pass
	715.3	1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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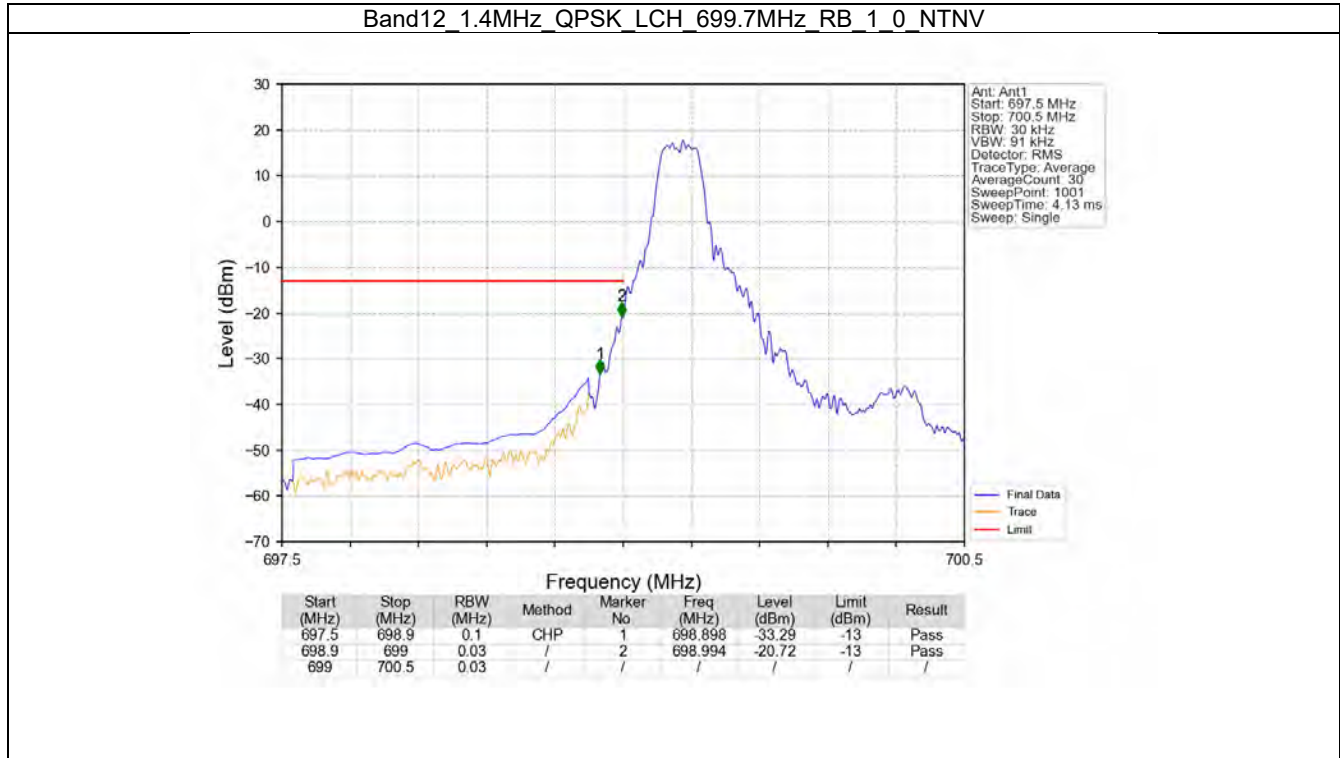
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5.1.2 Test Graph



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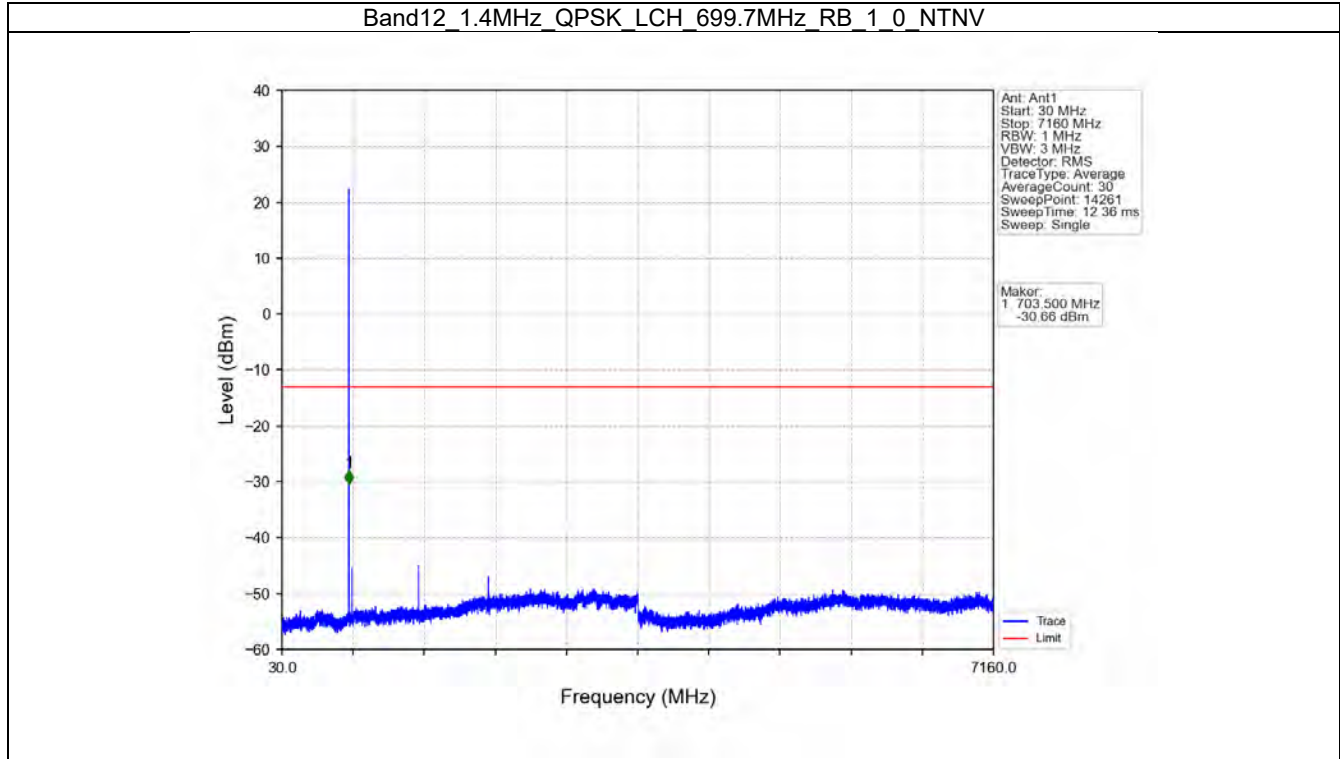
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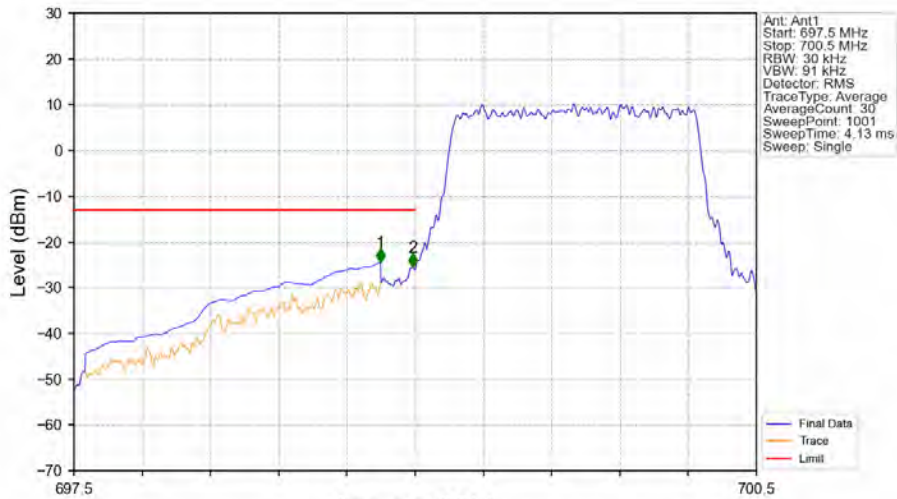
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Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-24.52	-13	Pass
698.9	699	0.03	/	2	698.991	-25.54	-13	Pass
699	700.5	0.03	/	/	/	/	/	/



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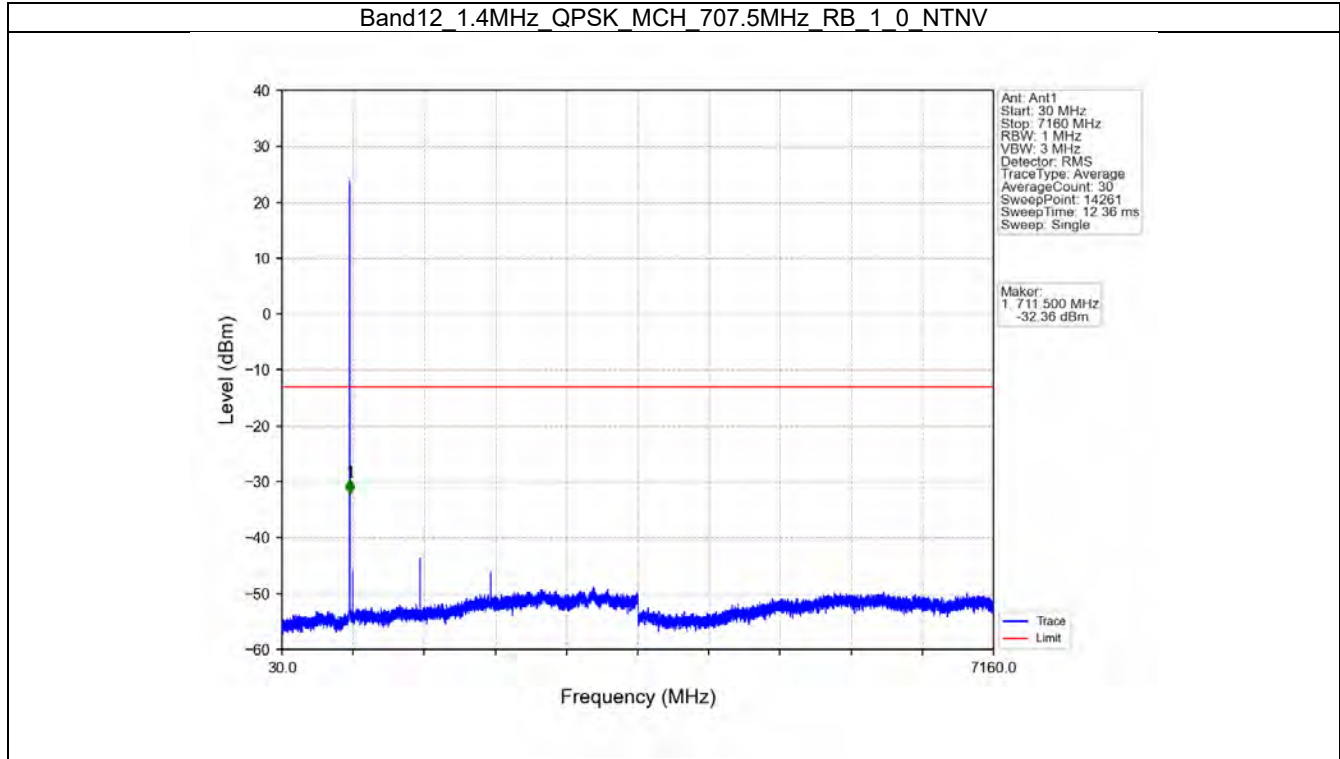
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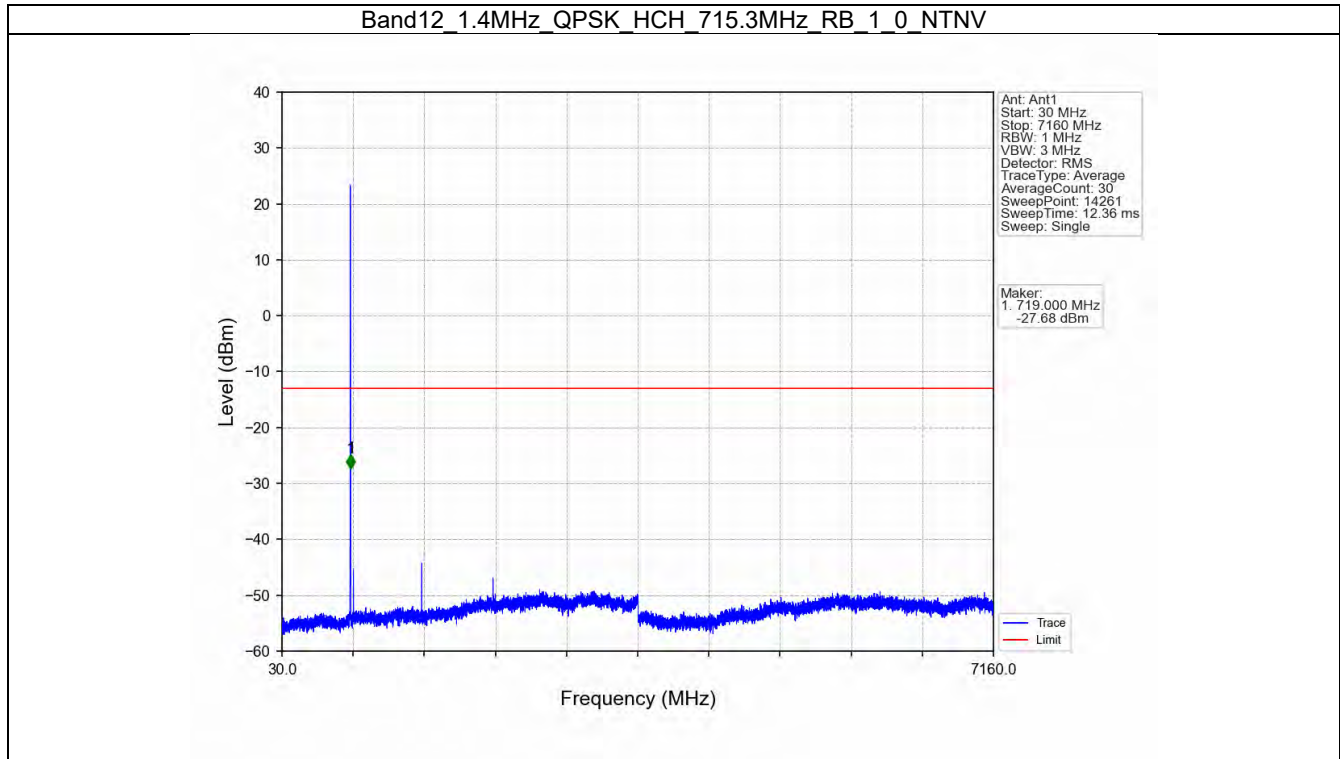


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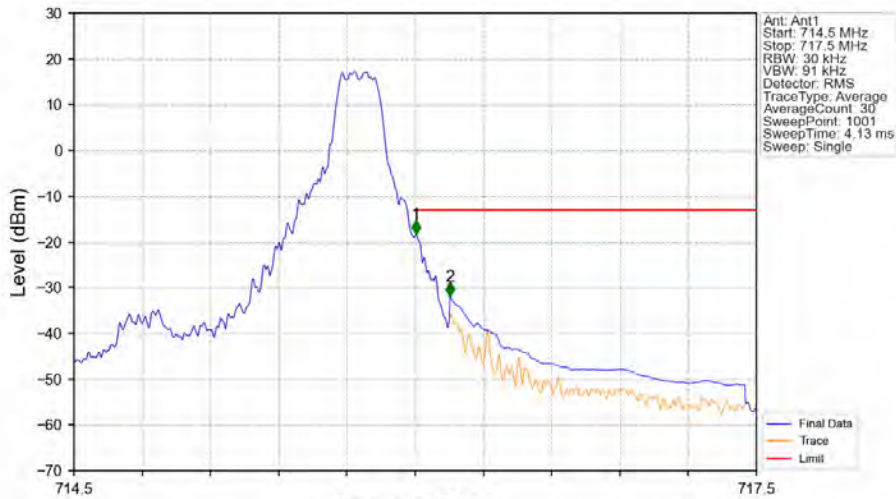
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	1	716.003	-18.29	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-31.96	-13	Pass



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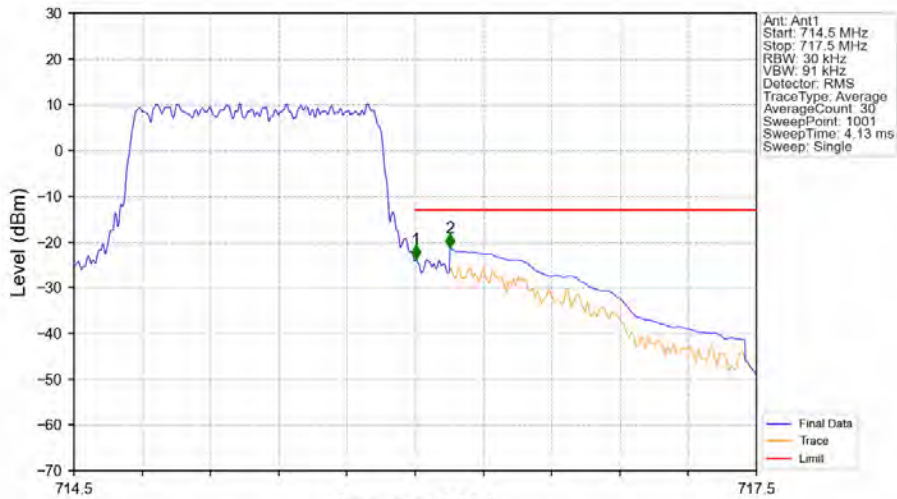
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-23.74	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-21.30	-13	Pass



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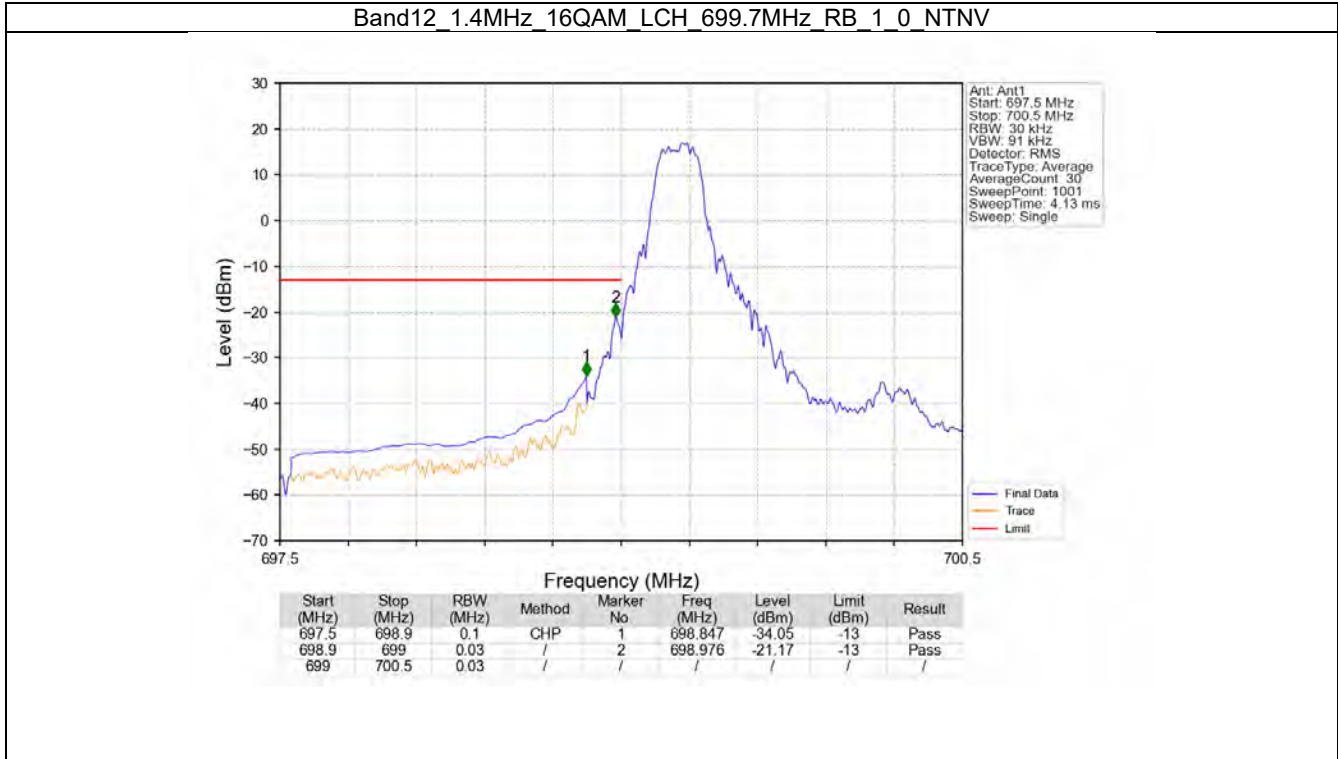
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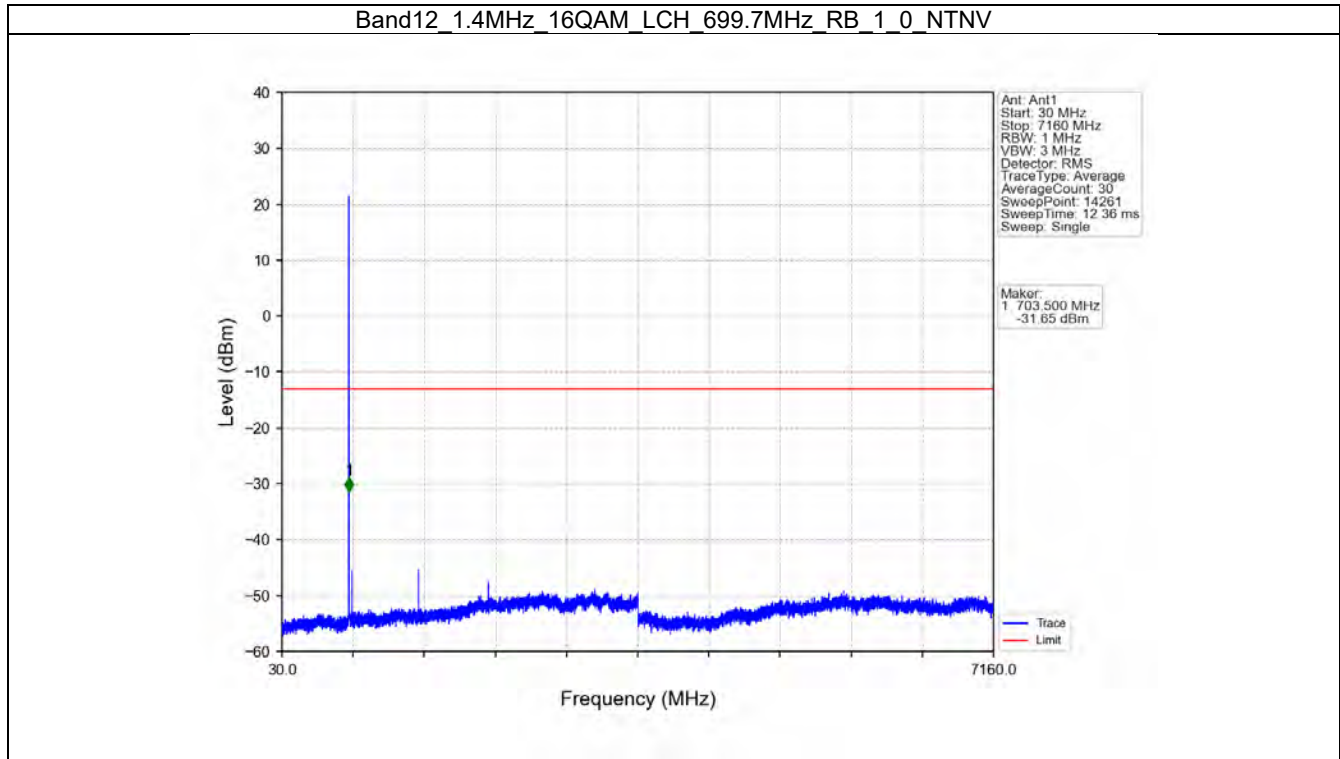


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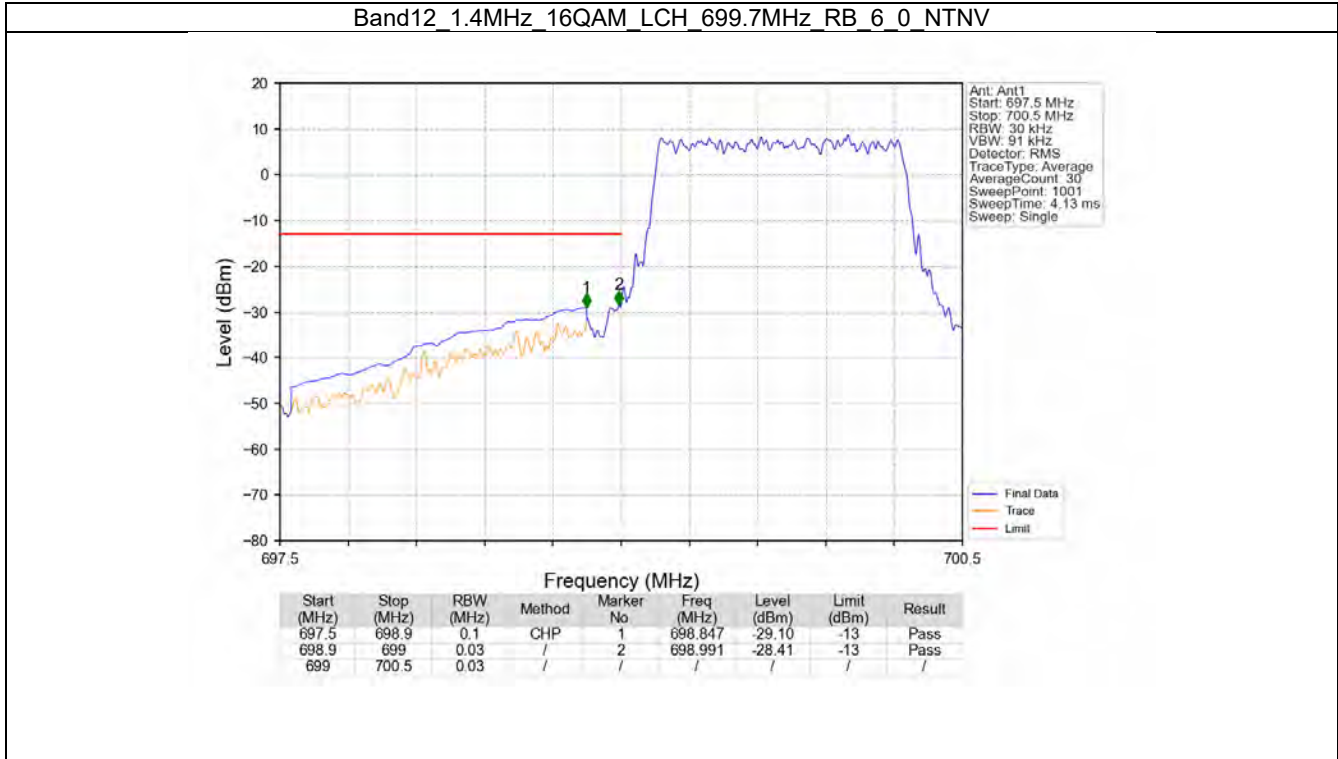
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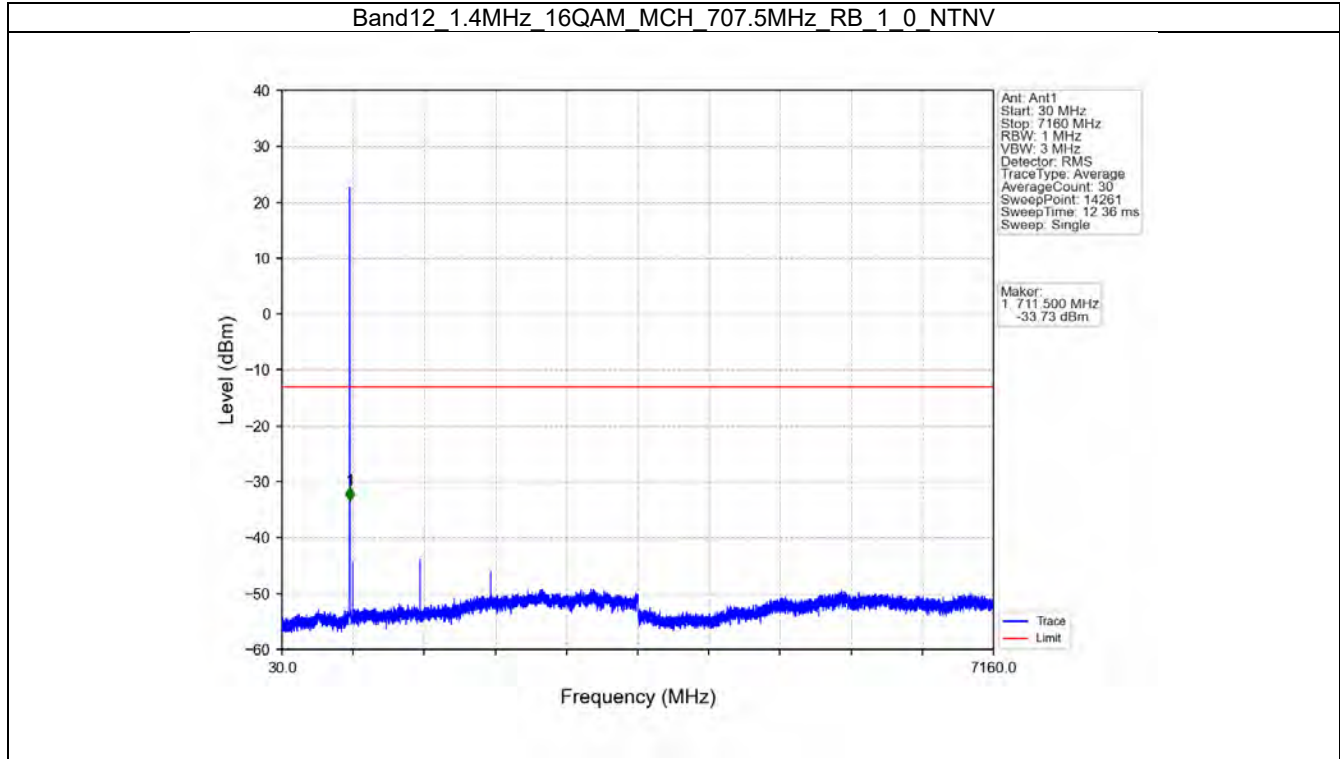
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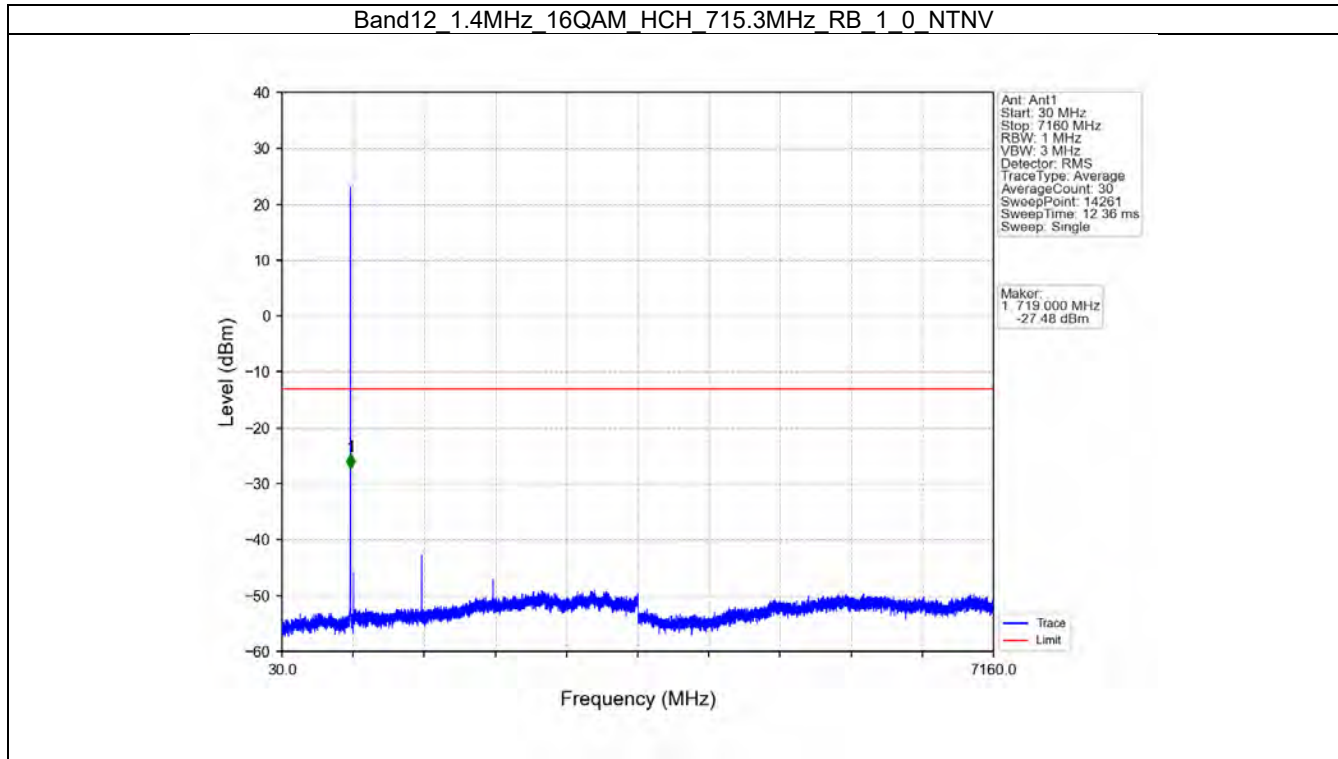


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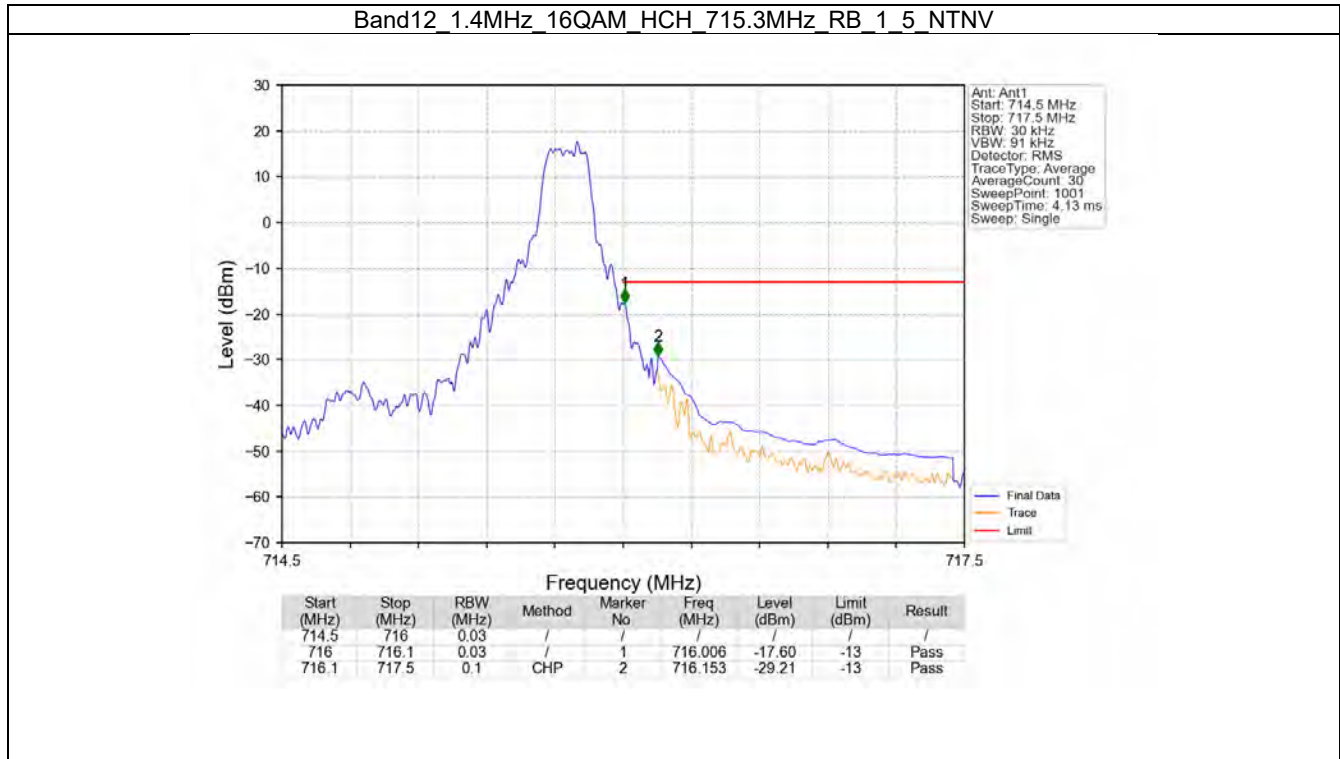
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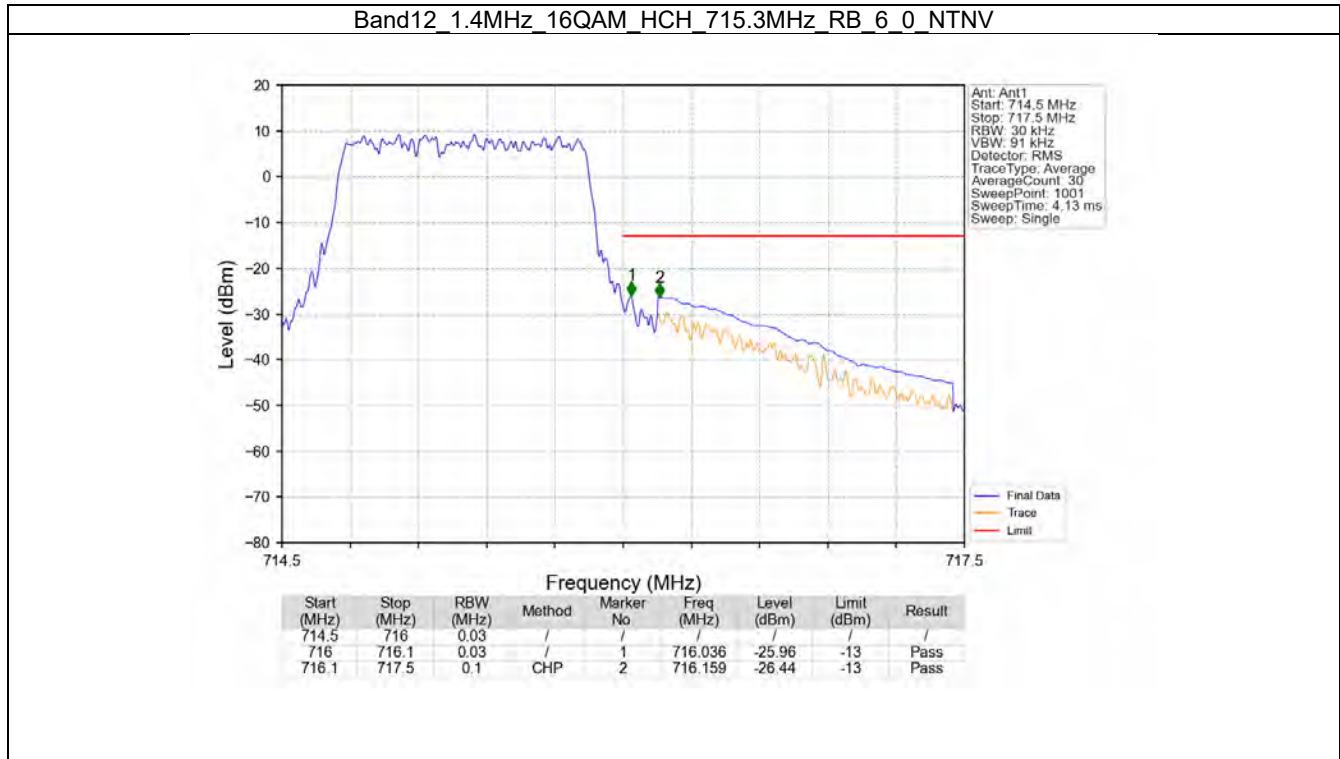
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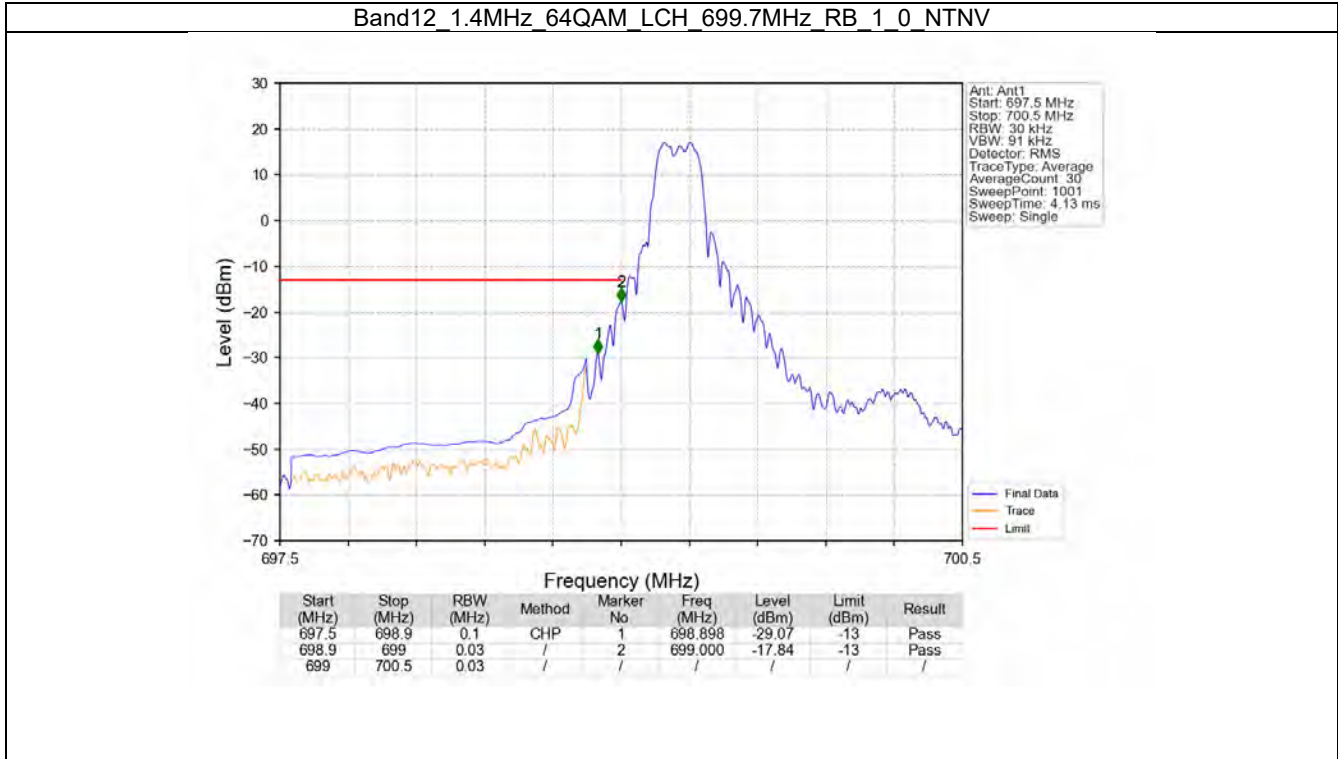
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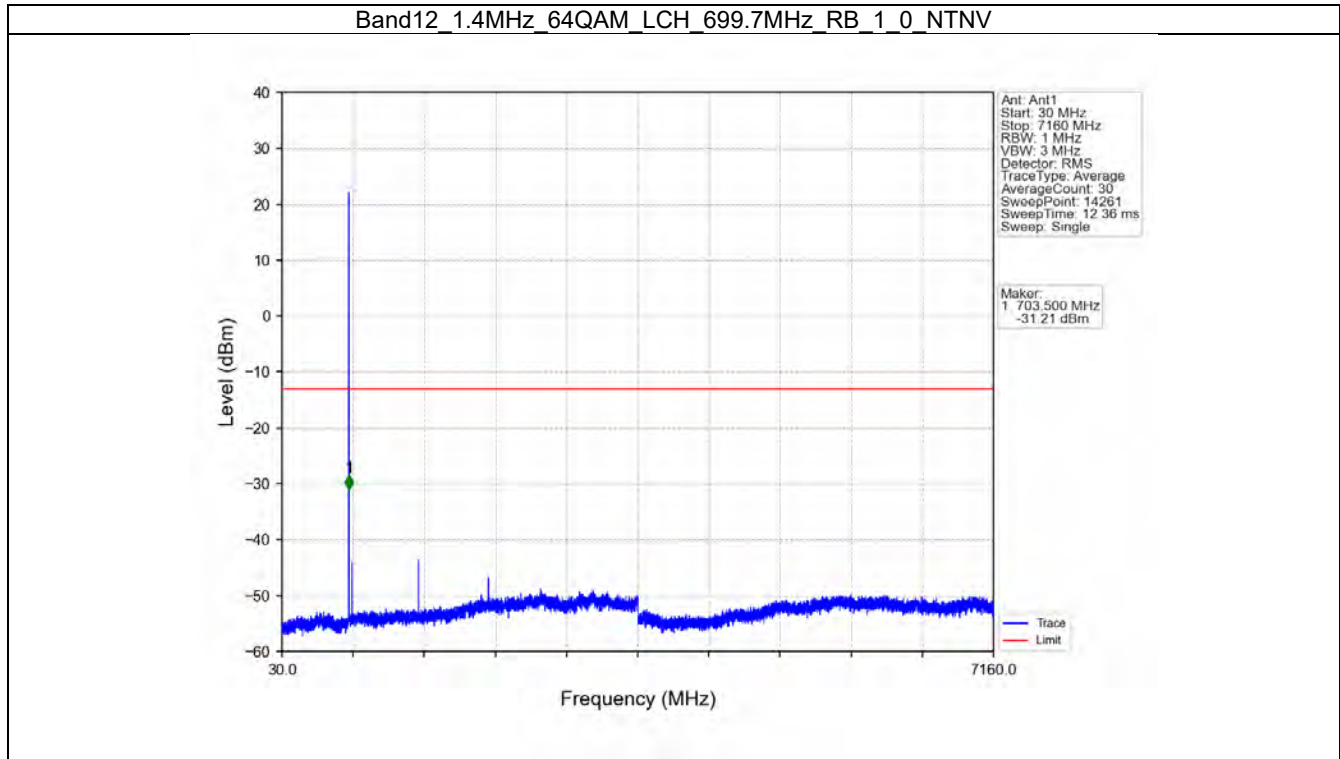


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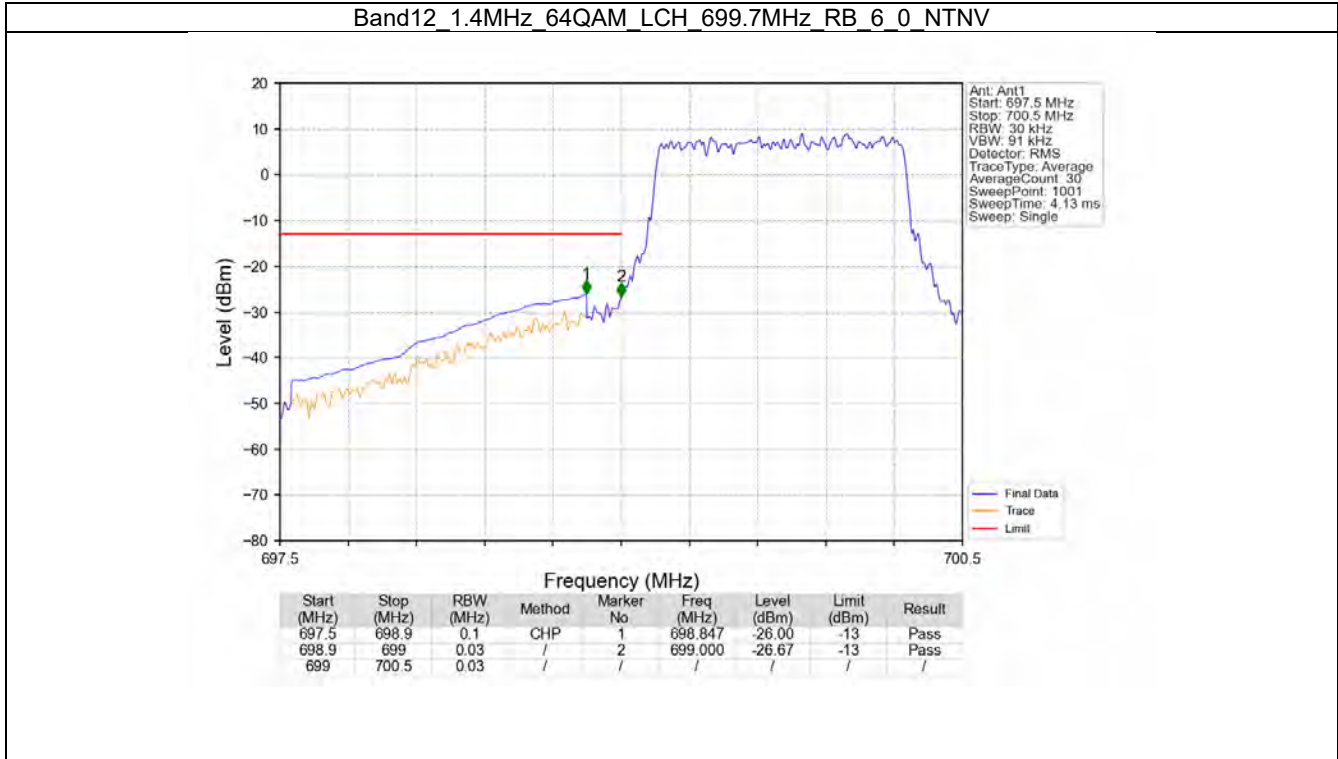
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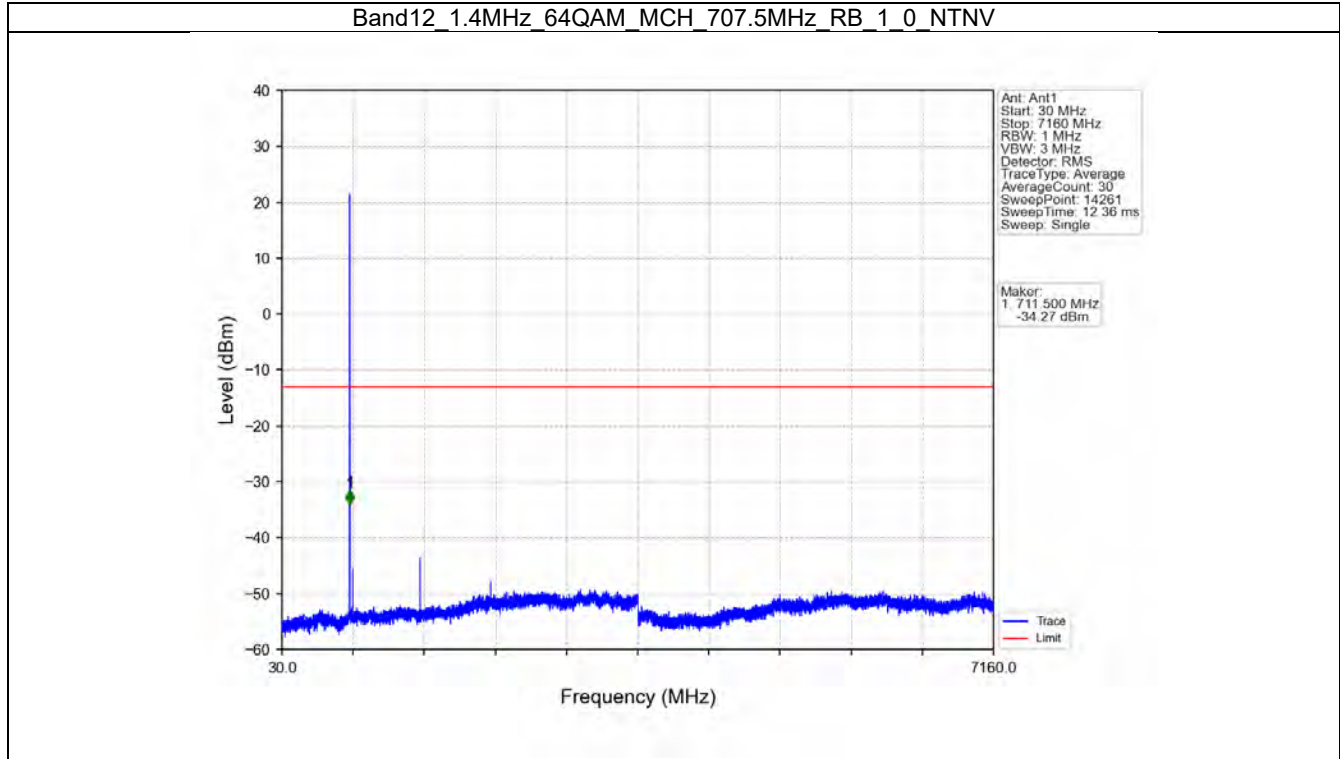
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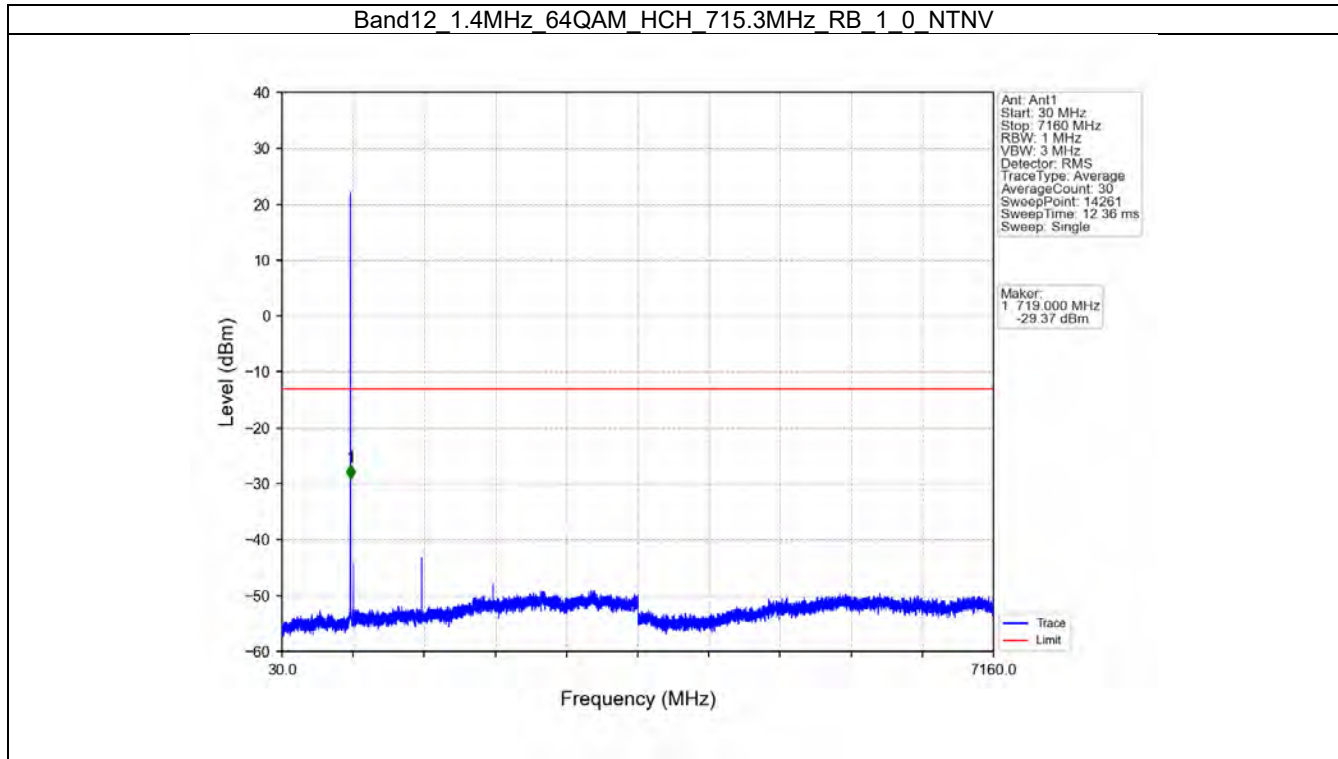


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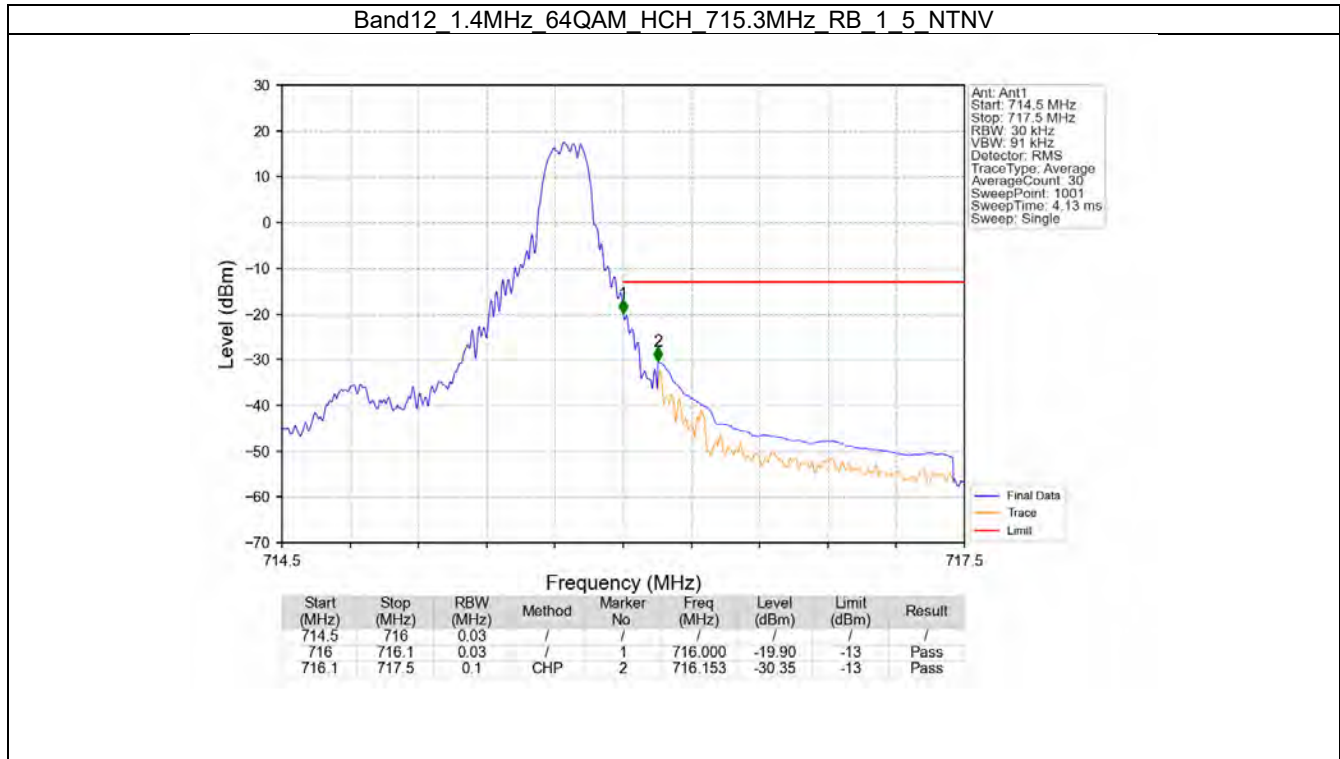
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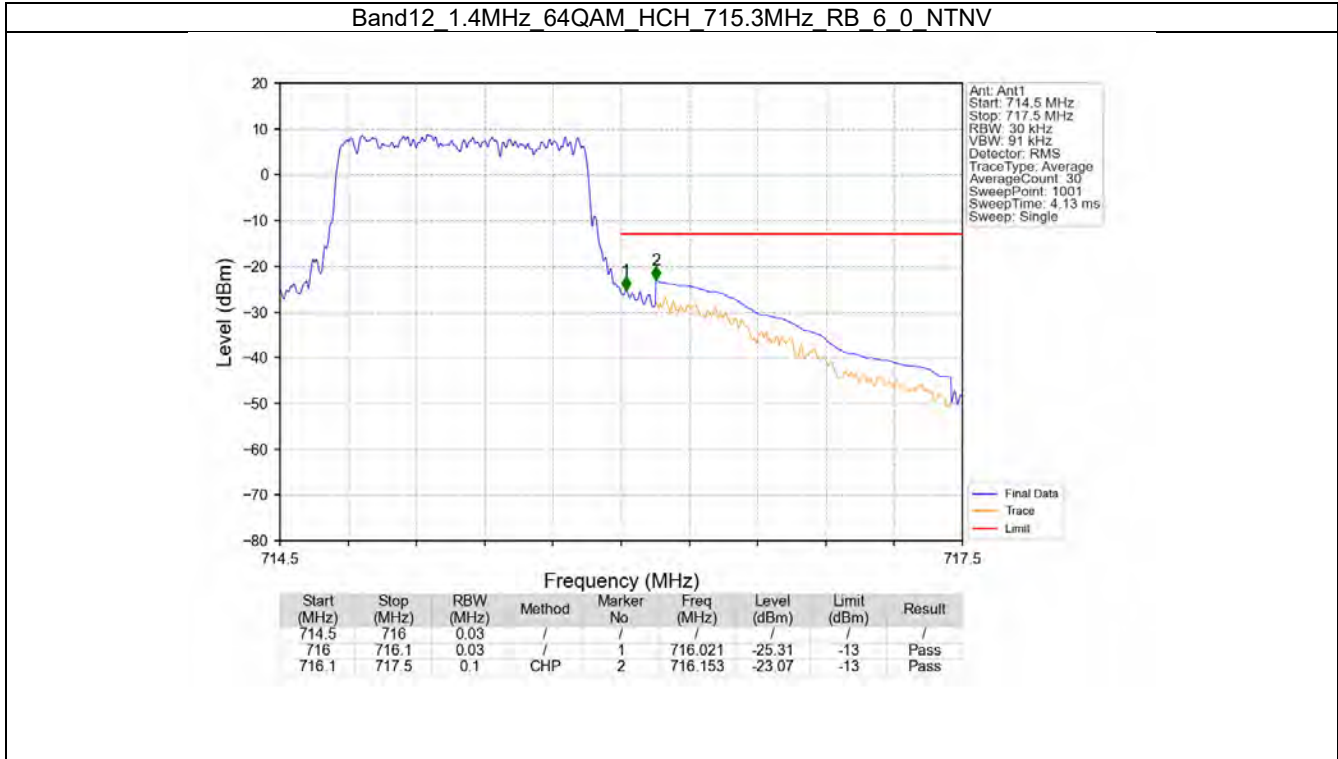
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5.2 B12_3MHz

5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	707.5	1	0	Refer To Test Graph	Pass	
		714.5	1	0	Refer To Test Graph	Pass
			14	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	
	707.5	1	0	Refer To Test Graph	Pass	
		714.5	1	0	Refer To Test Graph	Pass
			14	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	
	707.5	1	0	Refer To Test Graph	Pass	
		714.5	1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	



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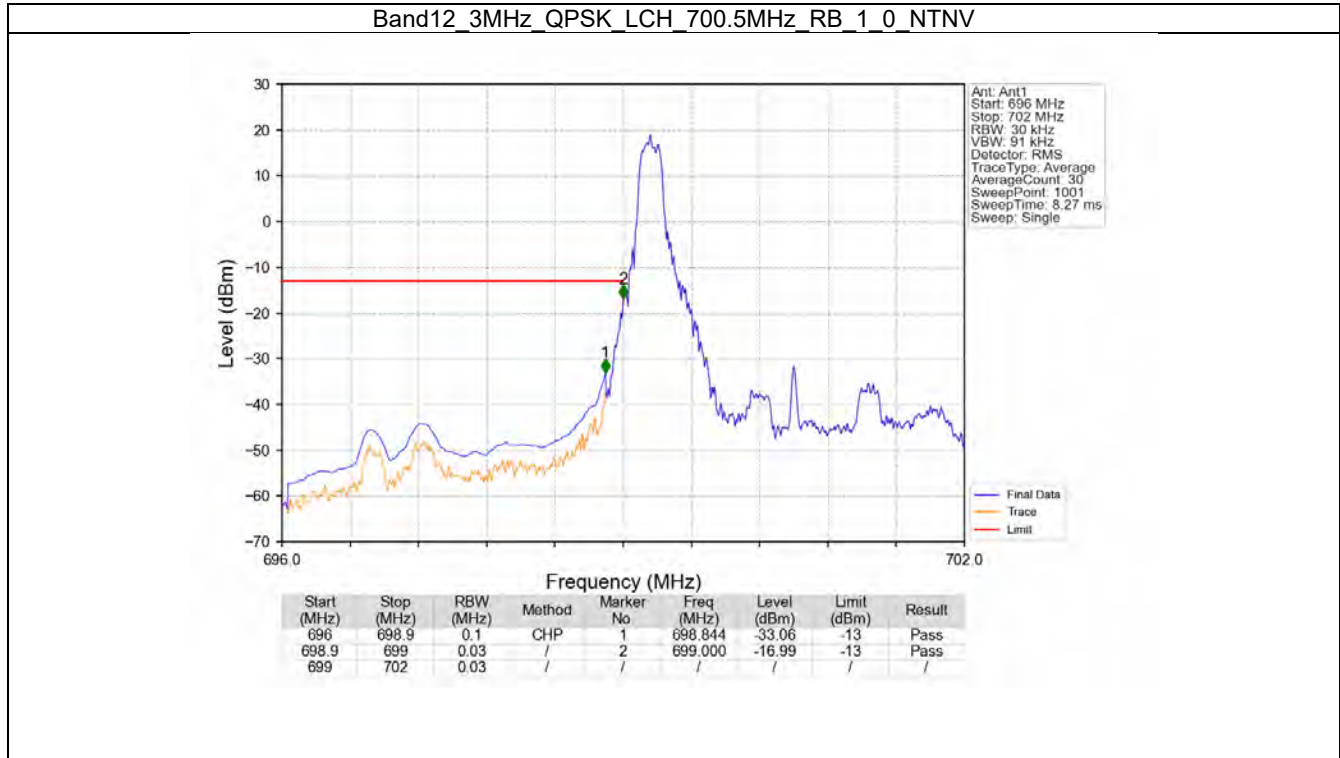
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5.2.2 Test Graph



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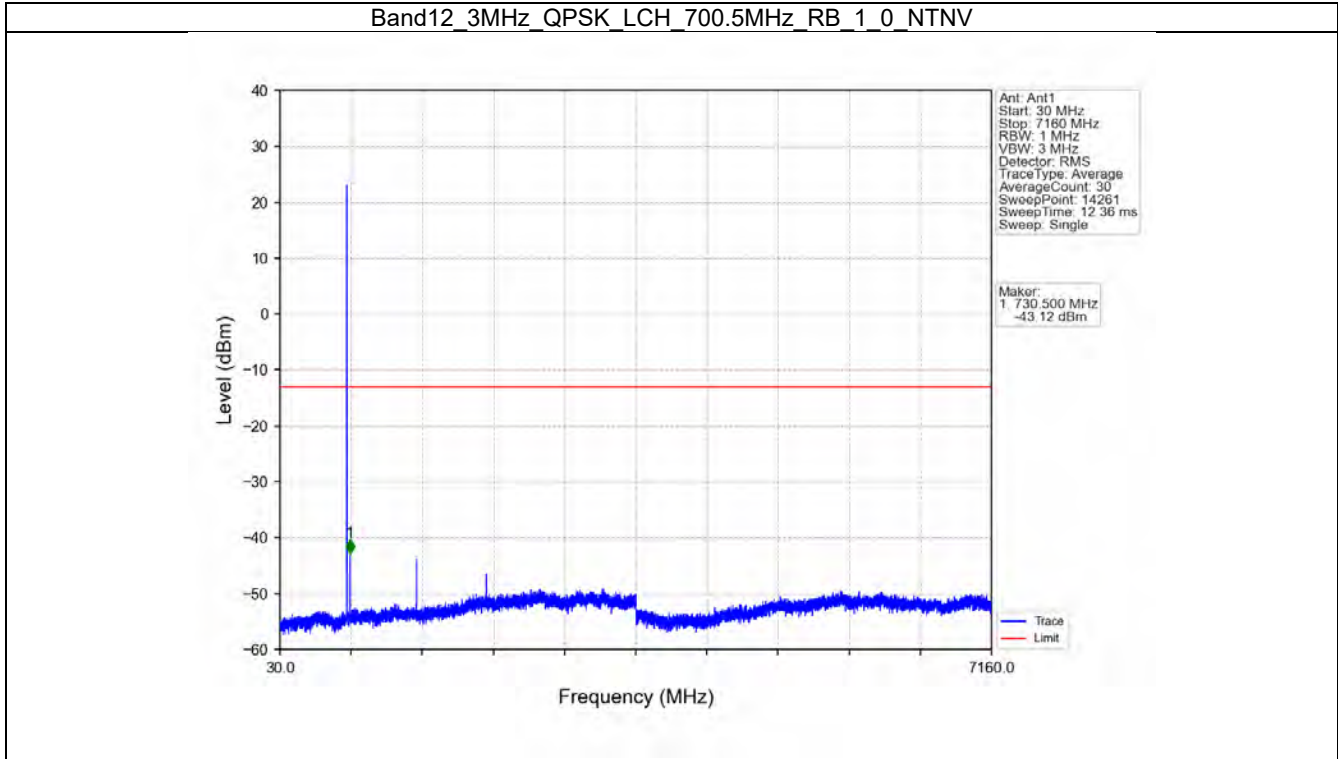
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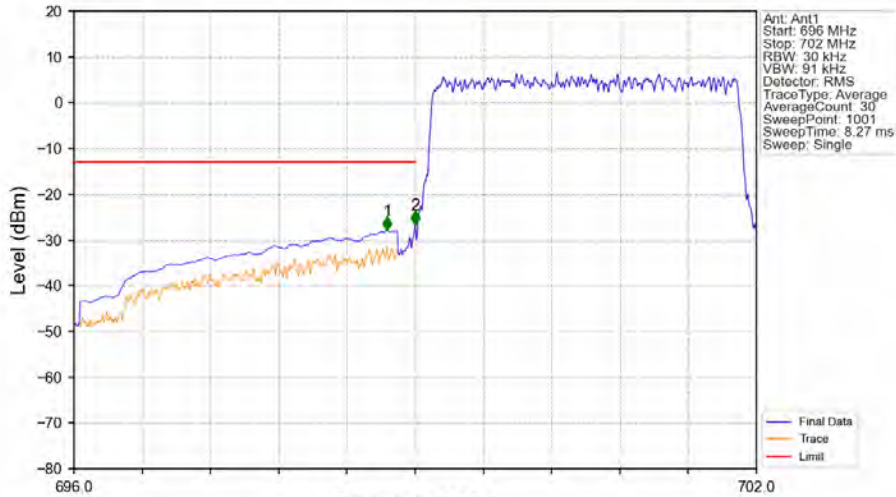
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Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	696.9	0.1	CHP	1	698.754	-27.97	-13	Pass
699	699	0.03	/	2	699.000	-26.74	-13	Pass
699	702	0.03	/	/	/	/	/	/



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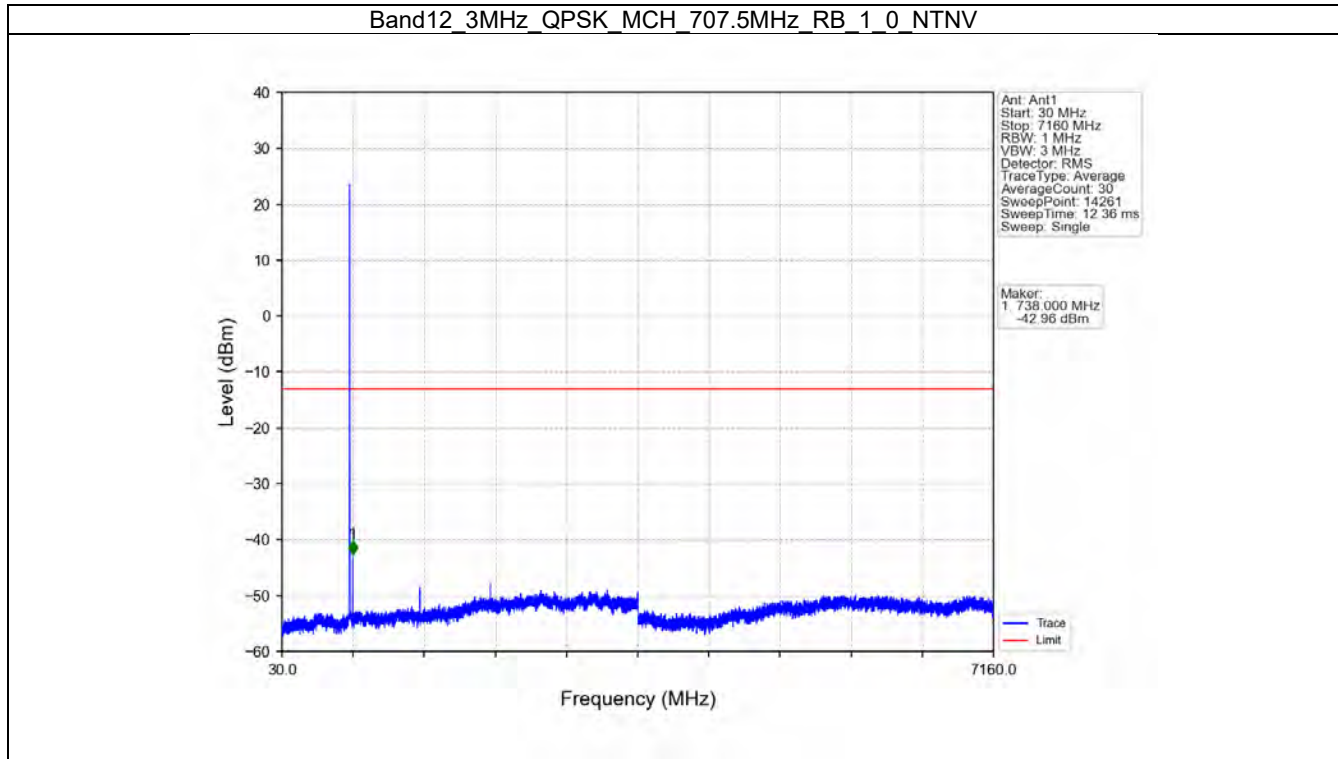


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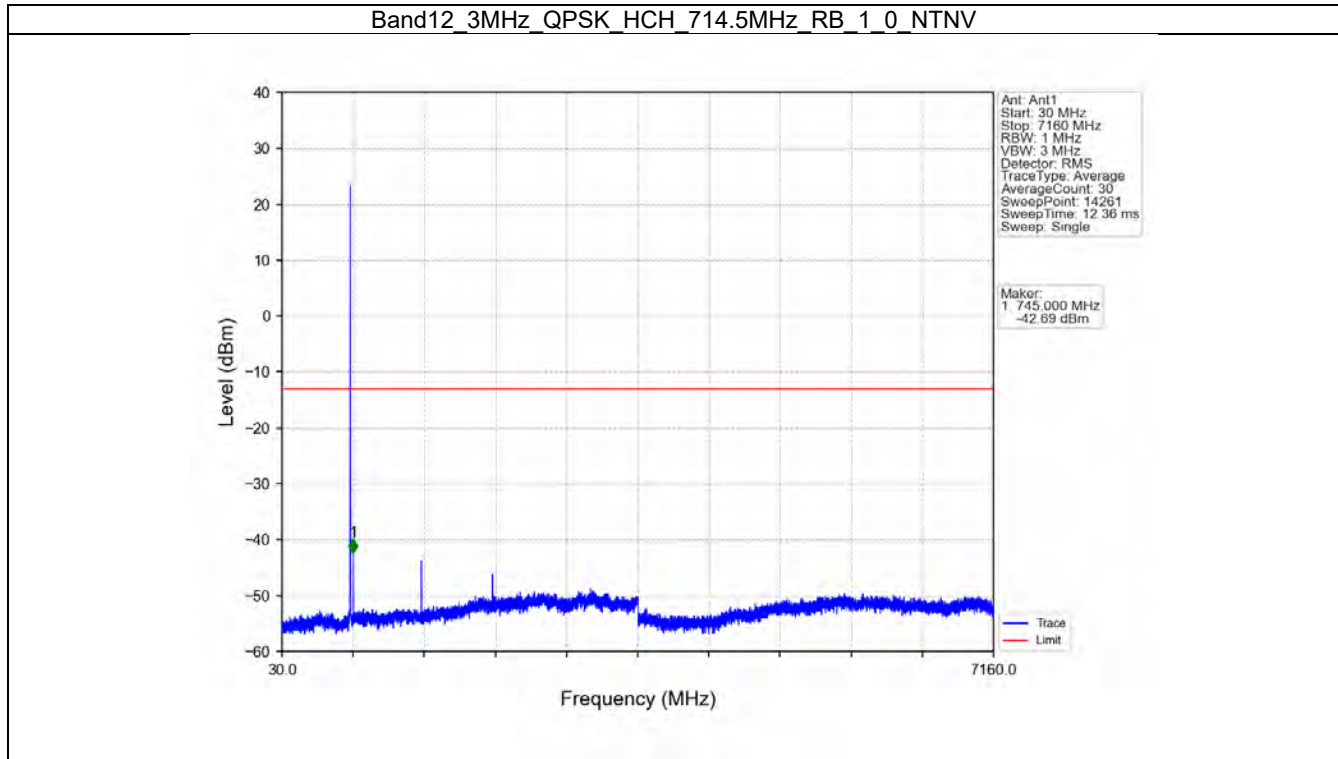


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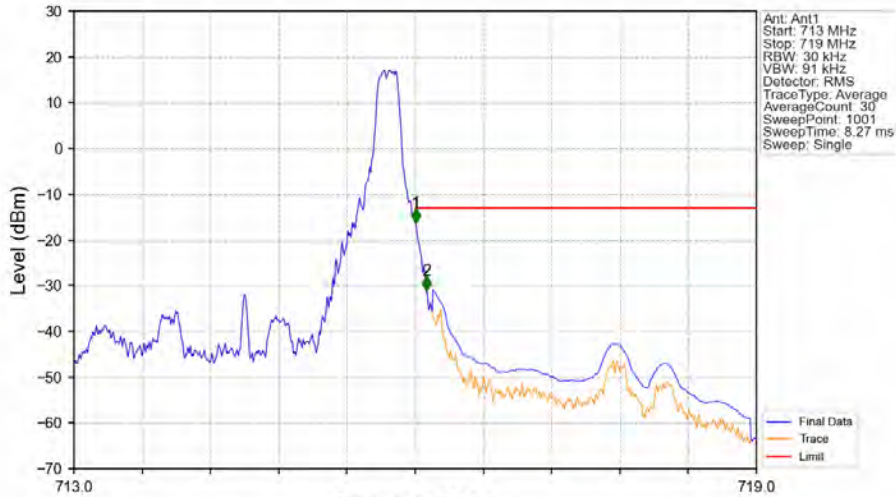
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Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	1	716.006	-16.21	-13	Pass
716.1	719	0.1	CHP	2	716.102	-30.99	-13	Pass



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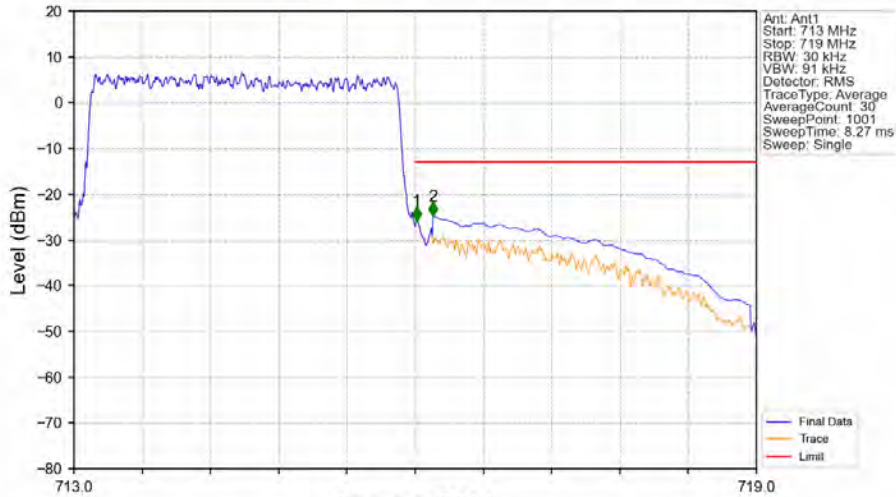
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Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716.1	716.1	0.03	/	1	716.012	-25.93	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.77	-13	Pass



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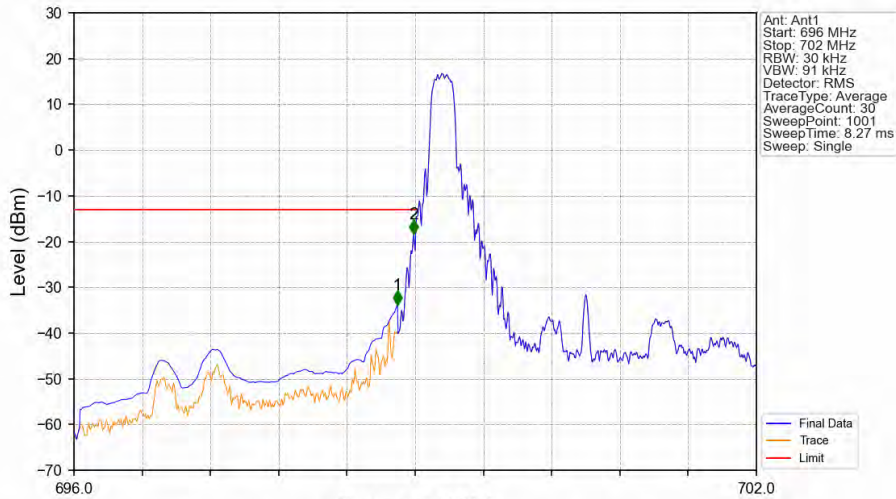
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Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



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	-33.89	-13	Pass
698.9	699	0.03	/	2	698.988	-18.38	-13	Pass
699	702	0.03	/	/	/	/	/	/



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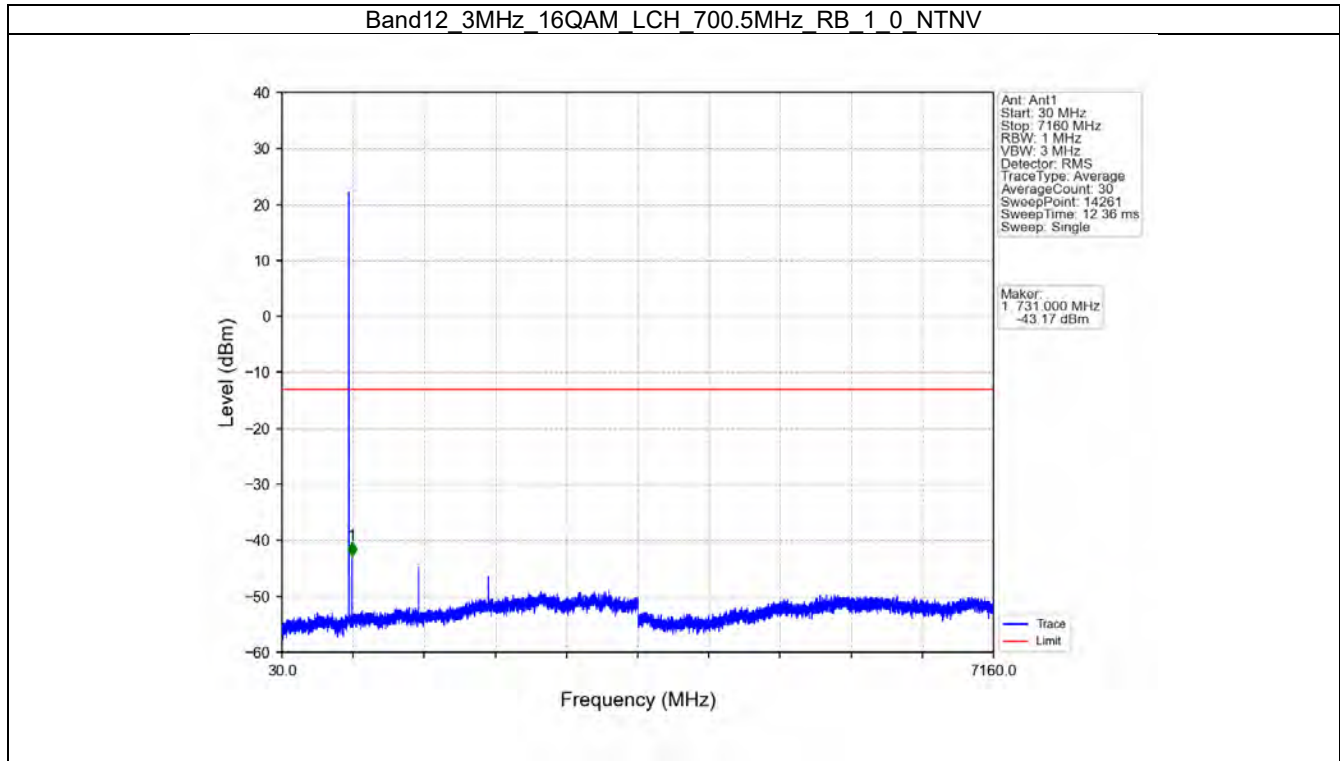
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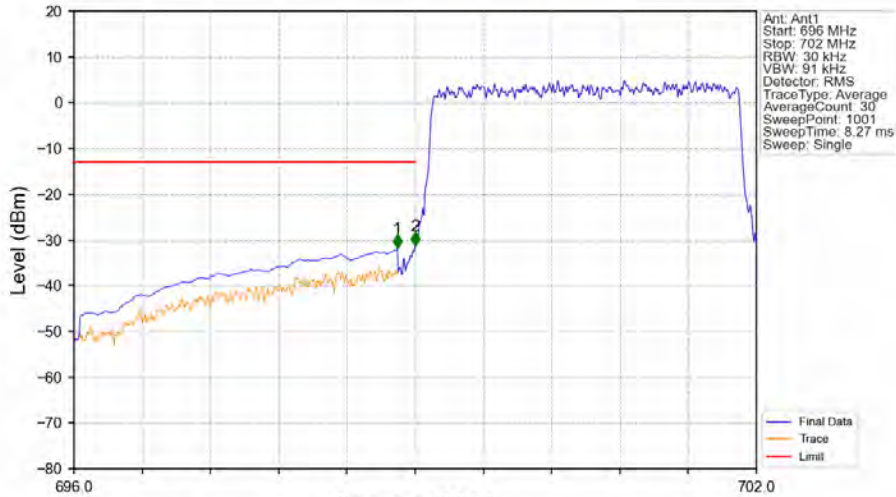
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Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTV



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	-31.91	-13	Pass
698.9	699	0.03	/	2	699.000	-31.28	-13	Pass
699	702	0.03	/	/	/	/	/	/



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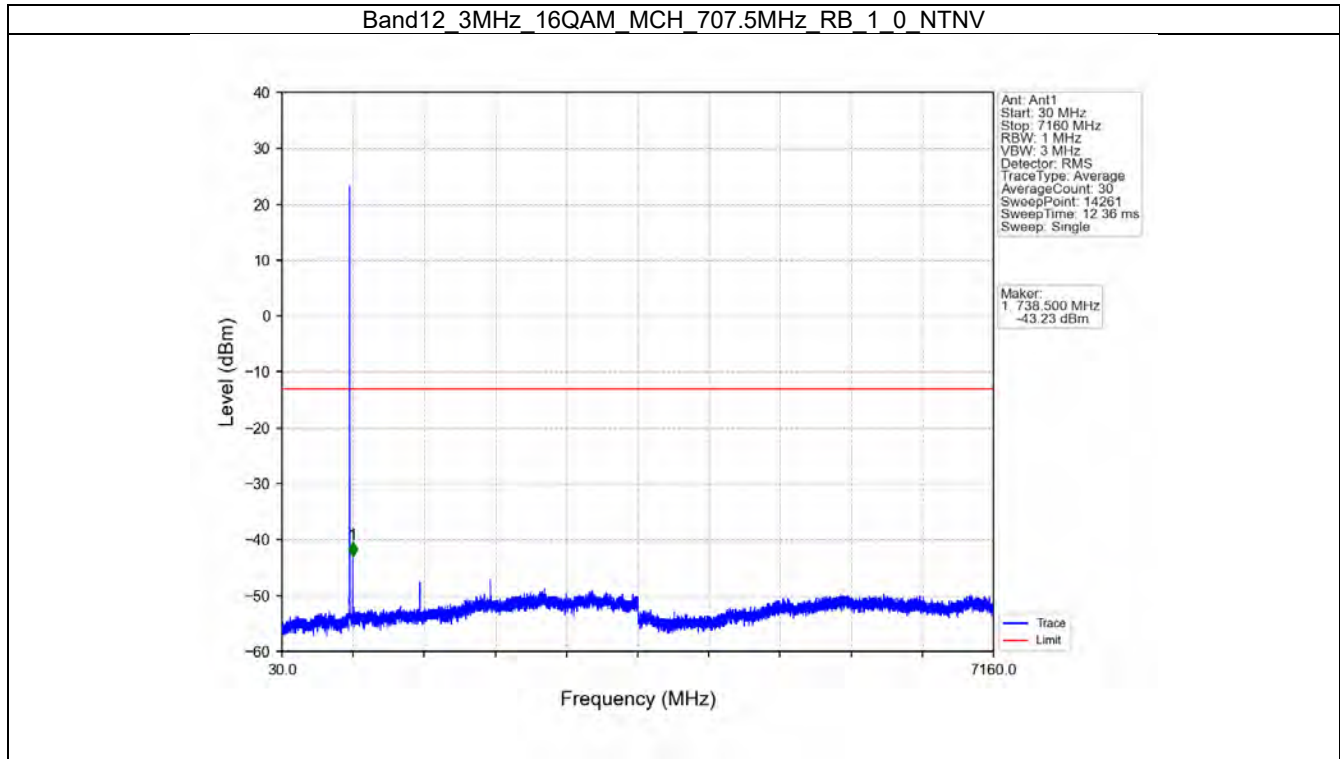
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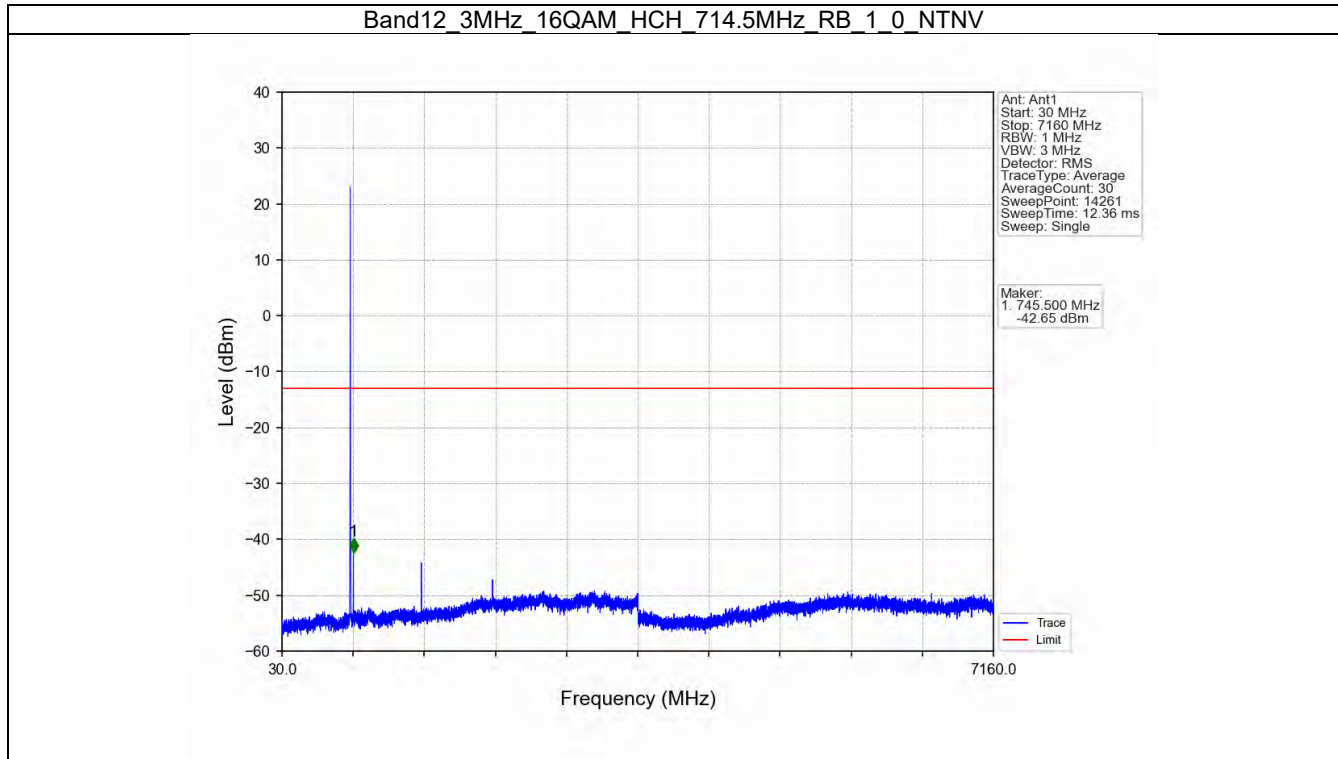


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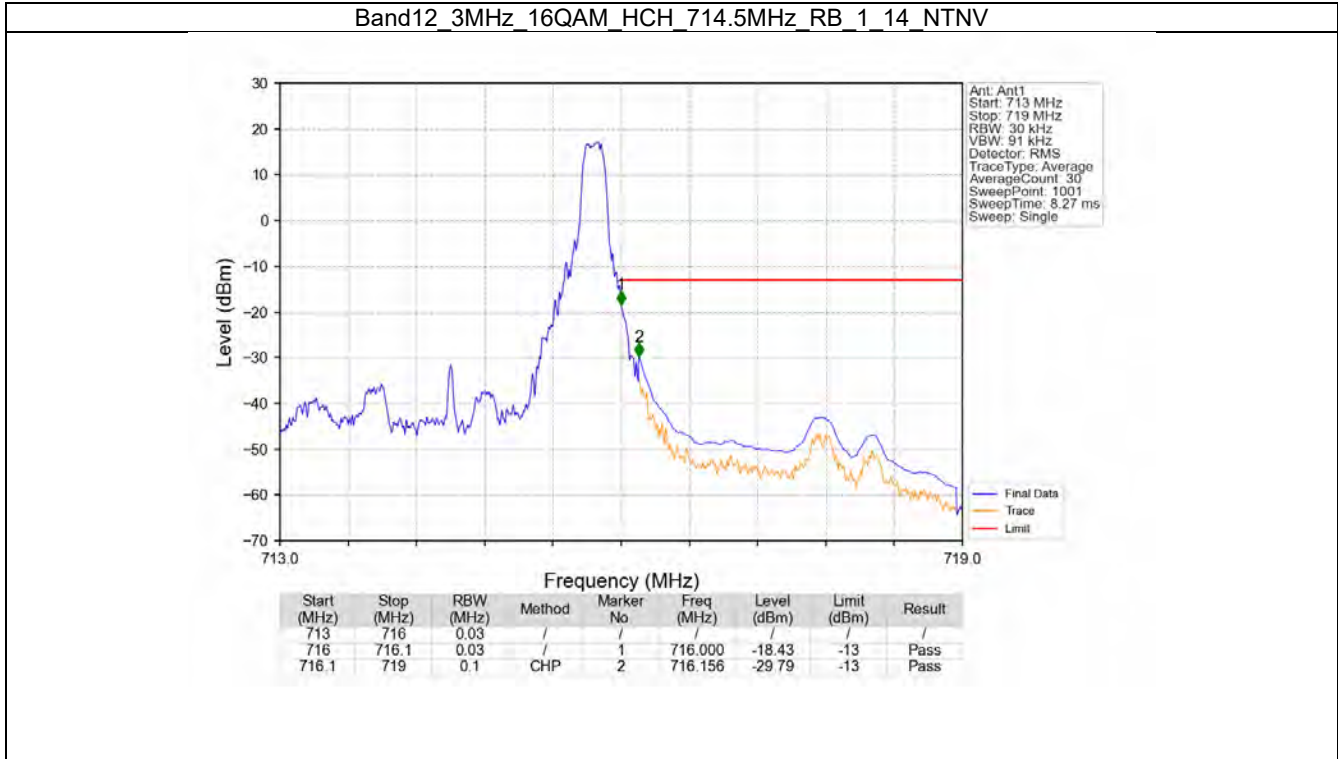
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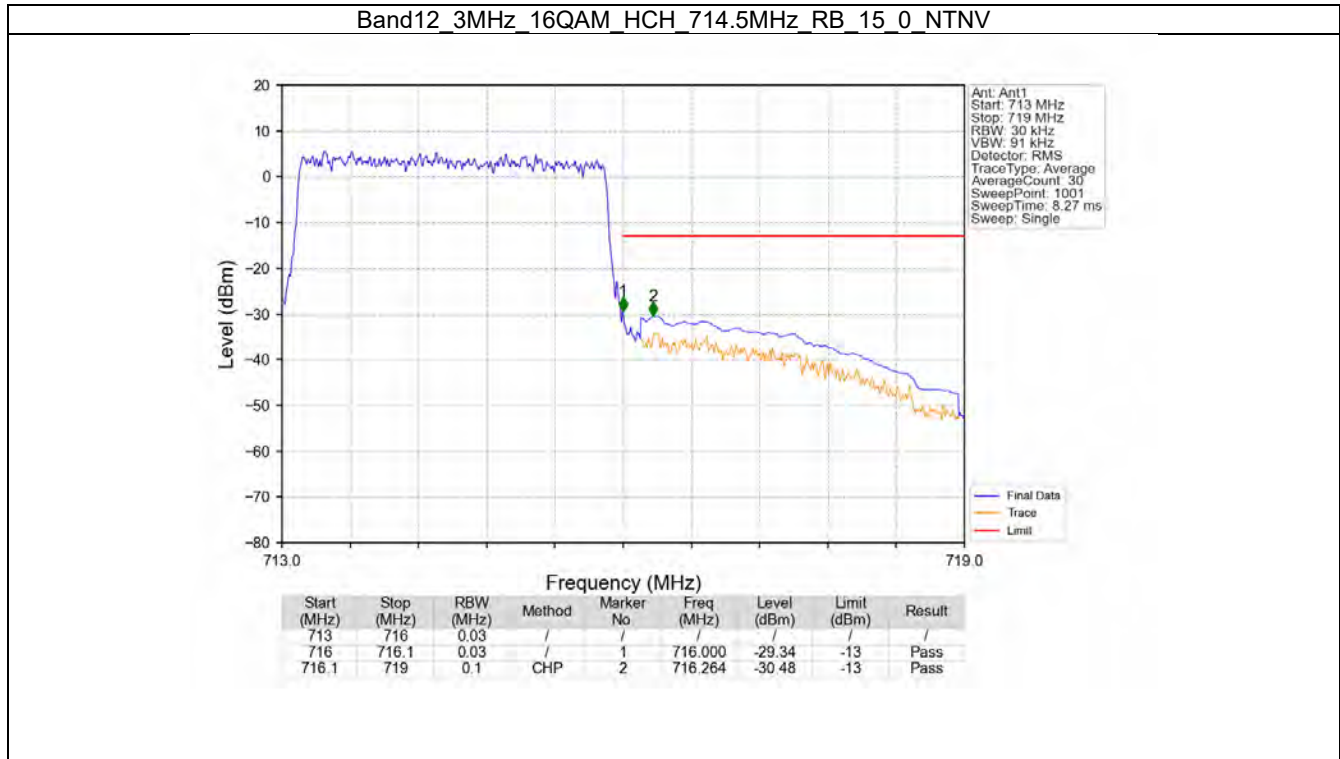
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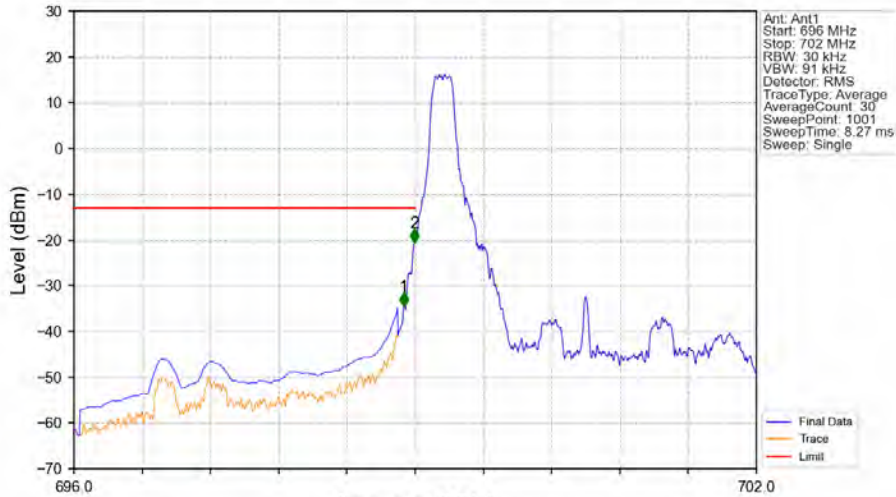
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Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-34.51	-13	Pass
698.9	699	0.03	/	2	698.994	-20.59	-13	Pass
699	702	0.03	/	/	/	/	/	/



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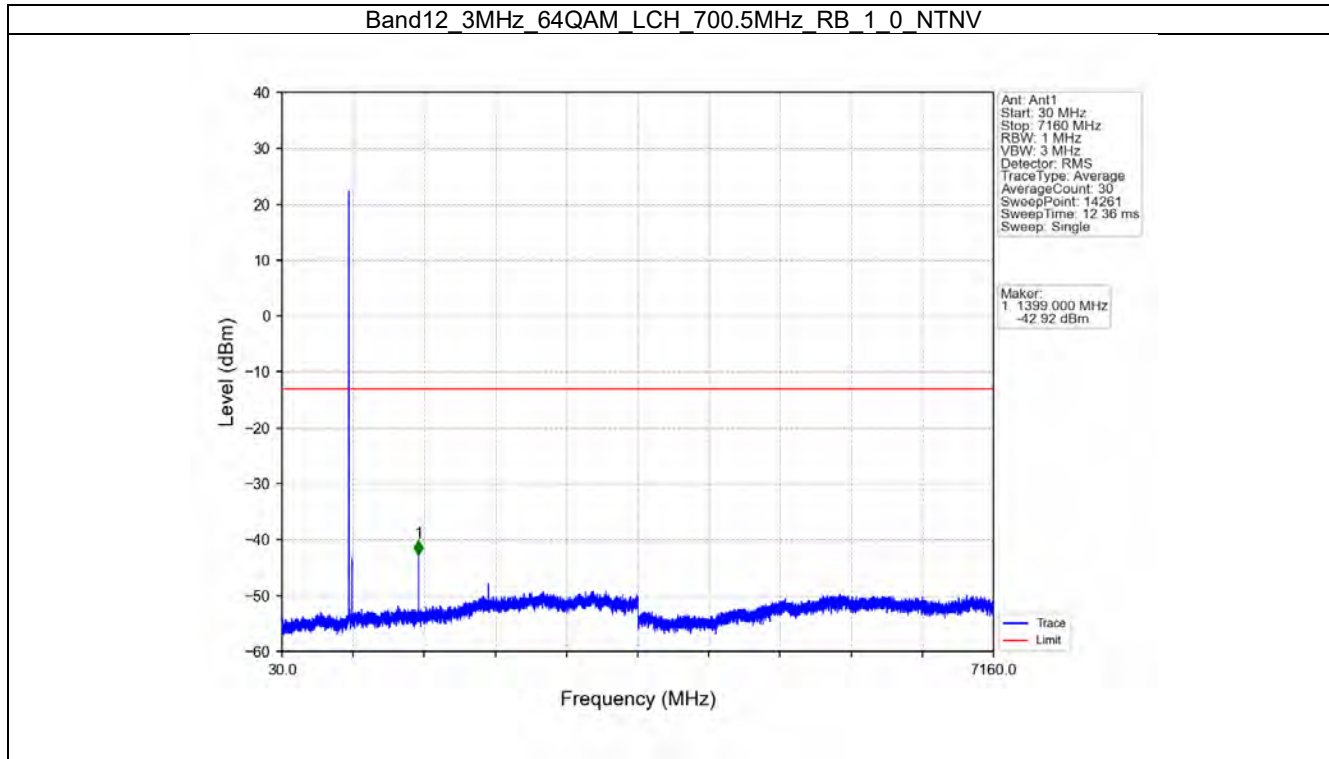


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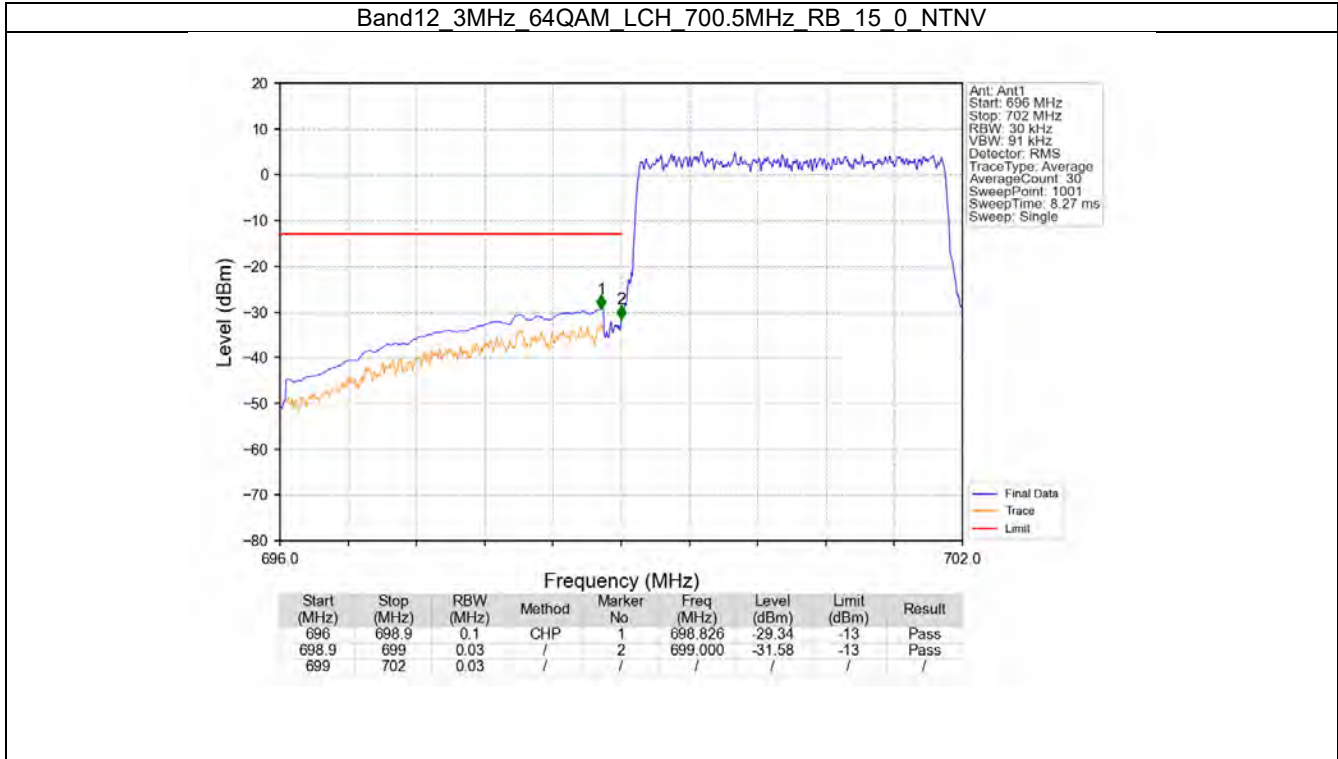
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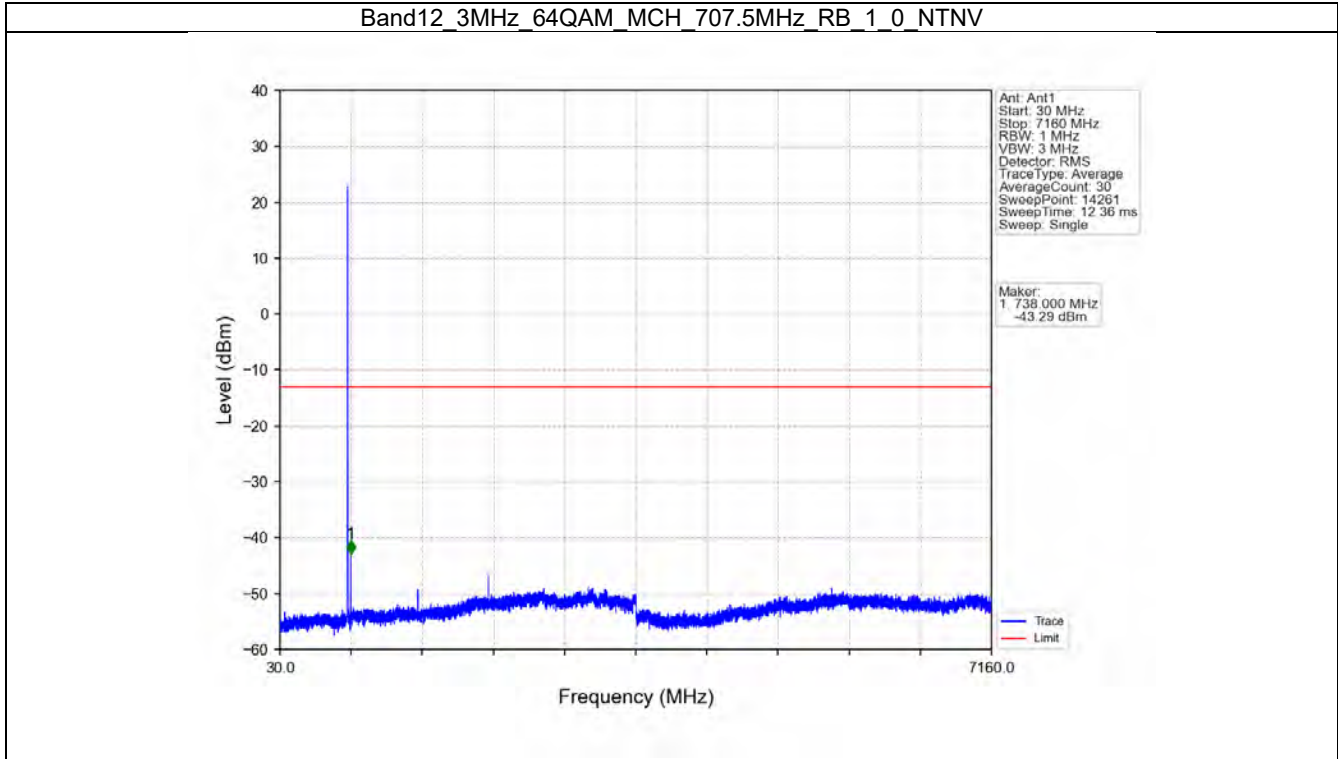
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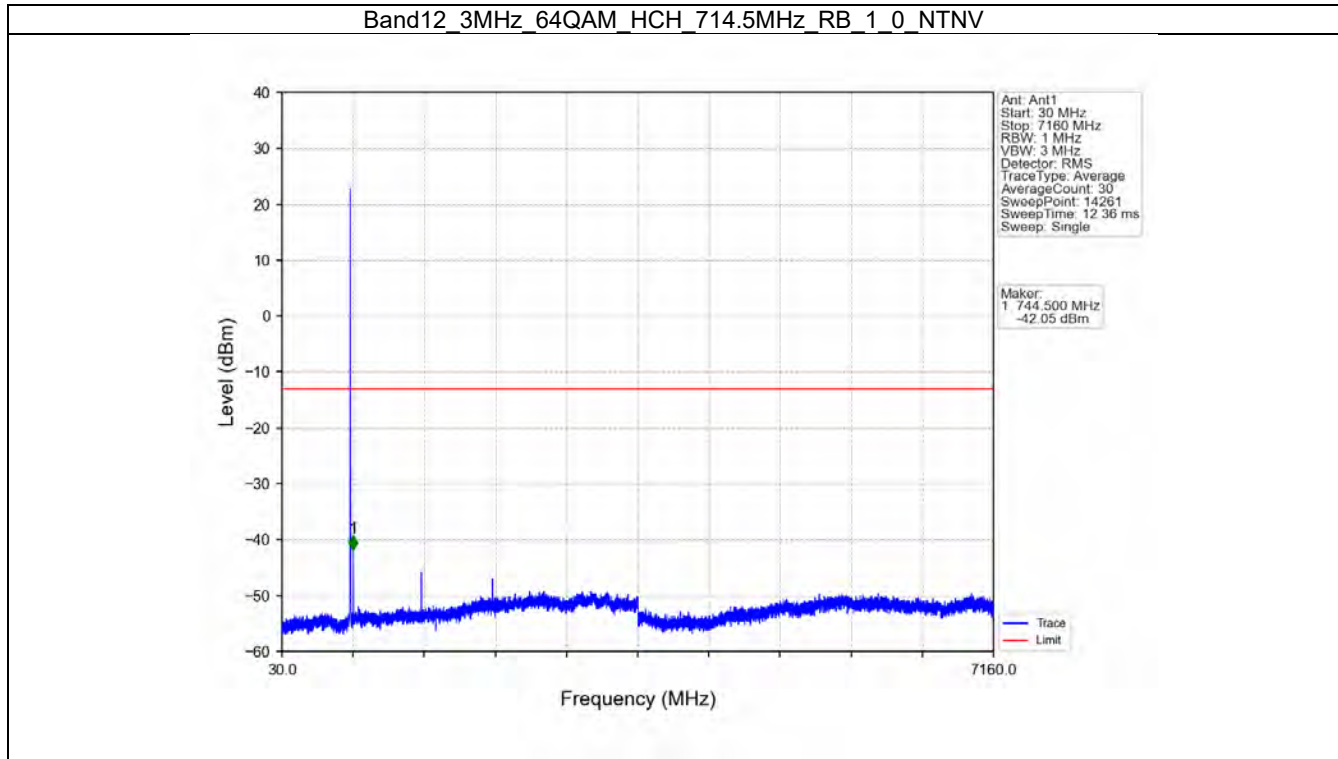


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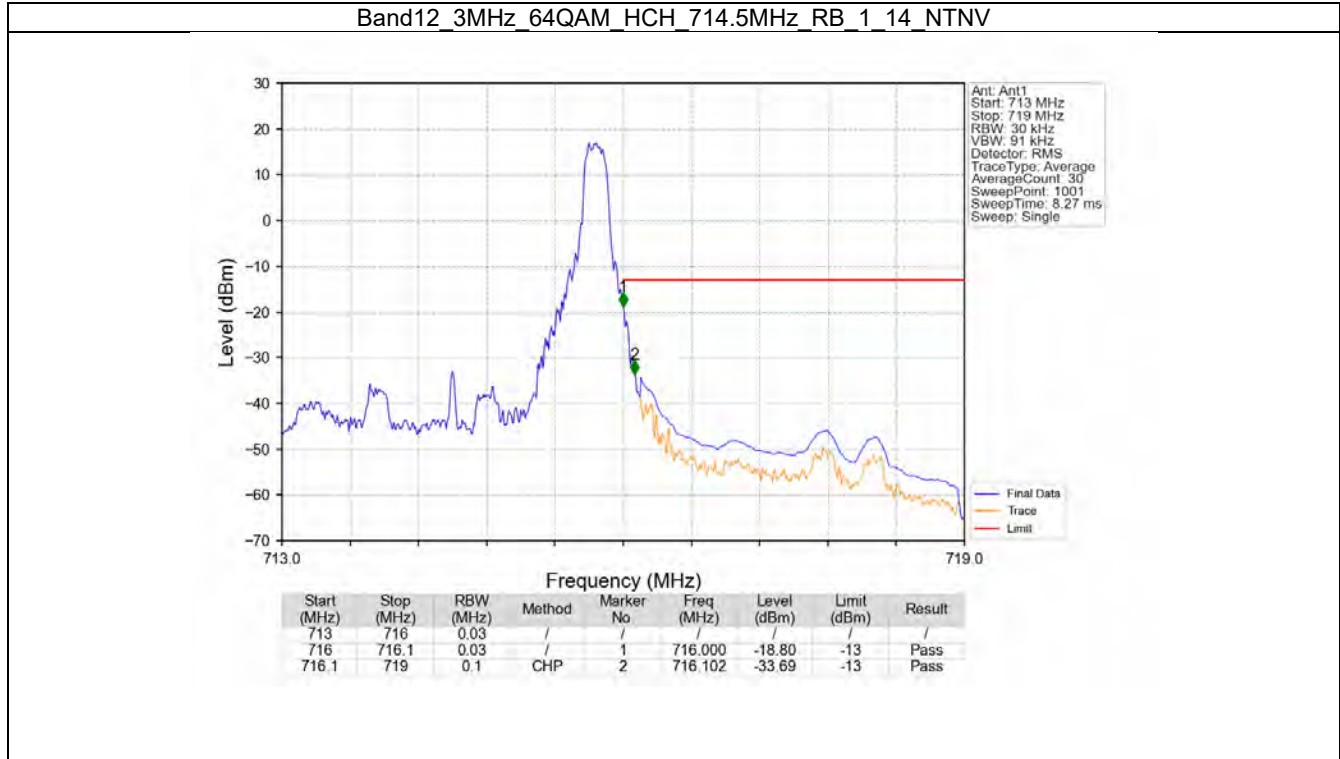
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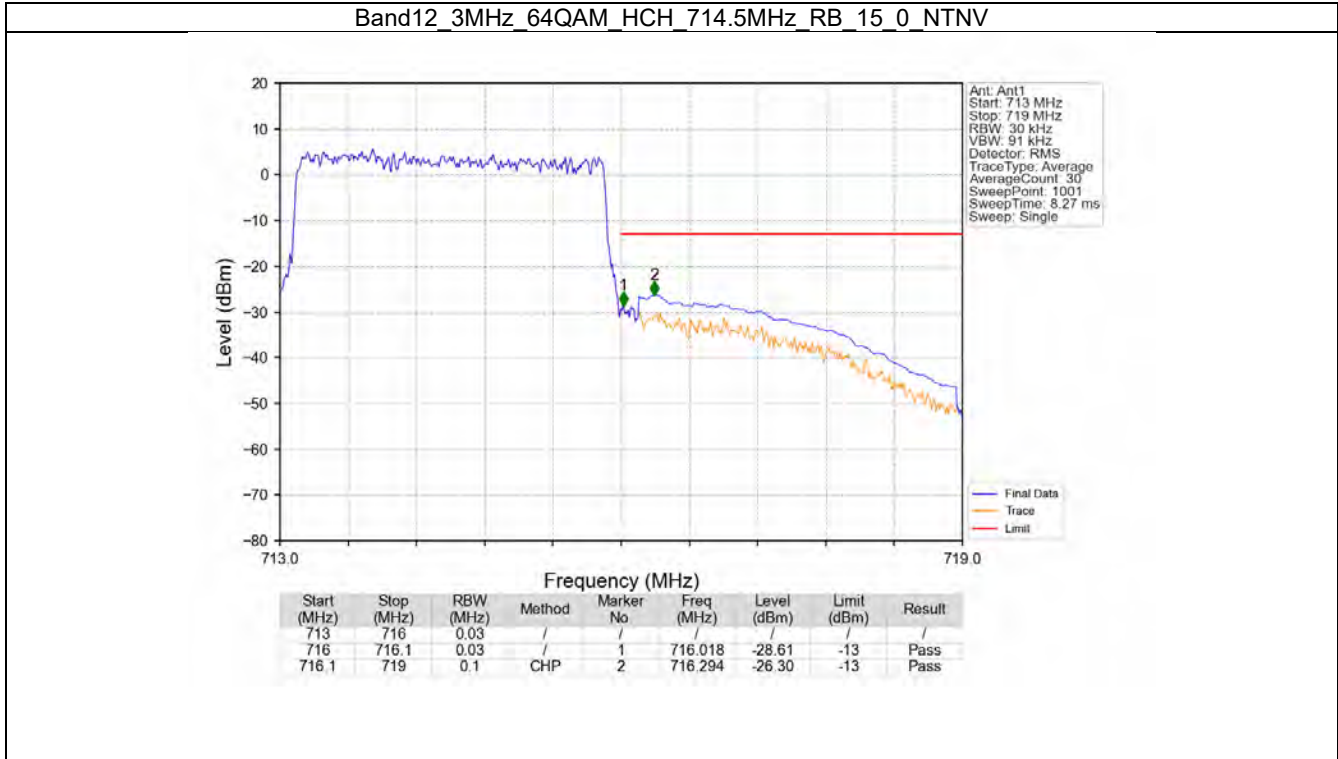
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5.3 B12_5MHz

5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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	
		25	0	Refer To Test Graph	Pass	
			24	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	
		25	0	Refer To Test Graph	Pass	
			24	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	
		25	0	Refer To Test Graph	Pass	
			24	Refer To Test Graph	Pass	



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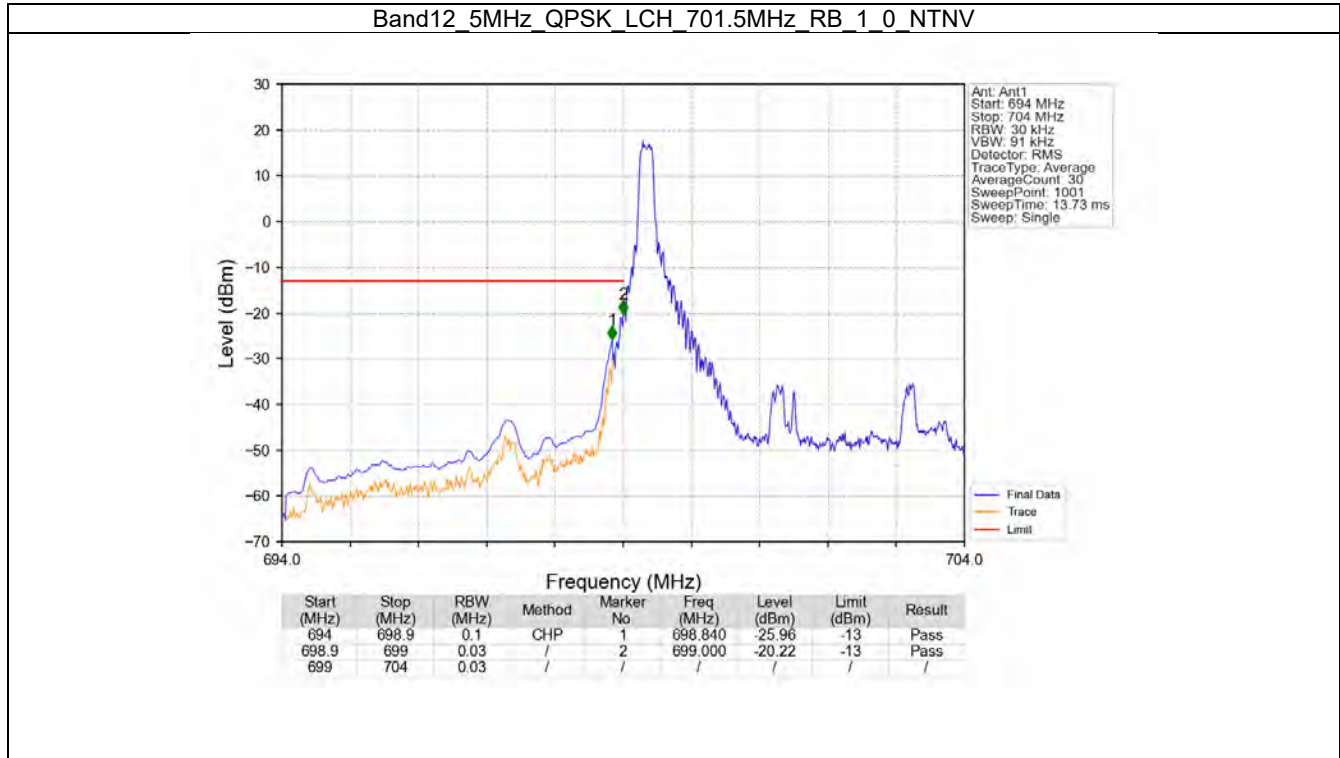
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5.3.2 Test Graph



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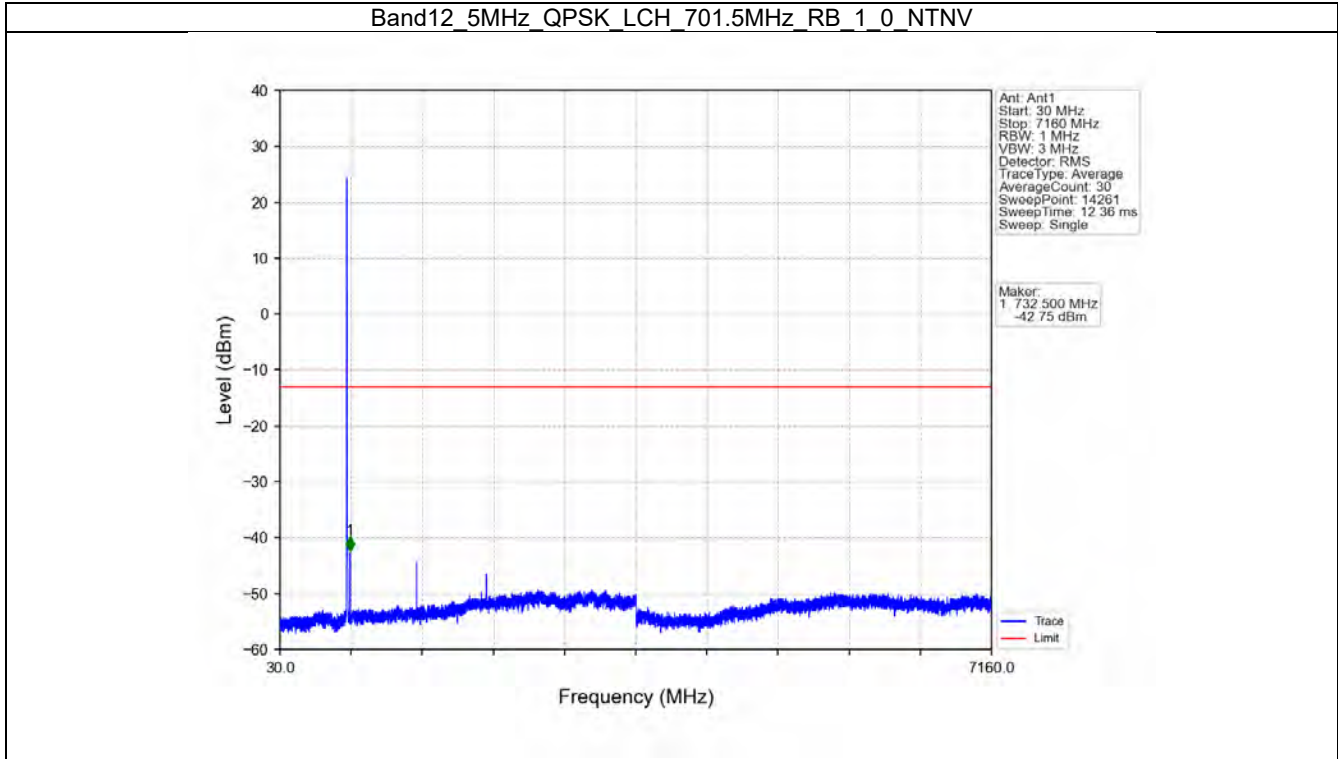
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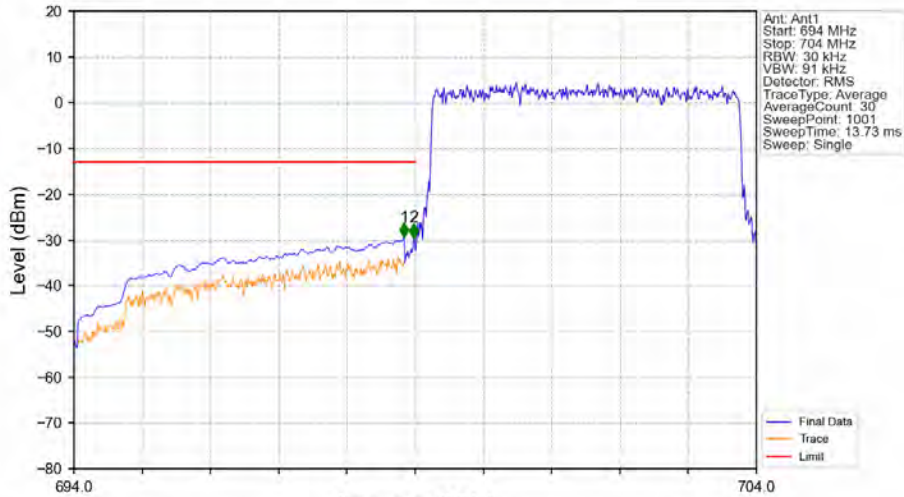
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Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



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	-29.39	-13	Pass
698.9	699	0.03	/	2	698.980	-29.47	-13	Pass
699	704	0.03	/	/	/	/	/	/



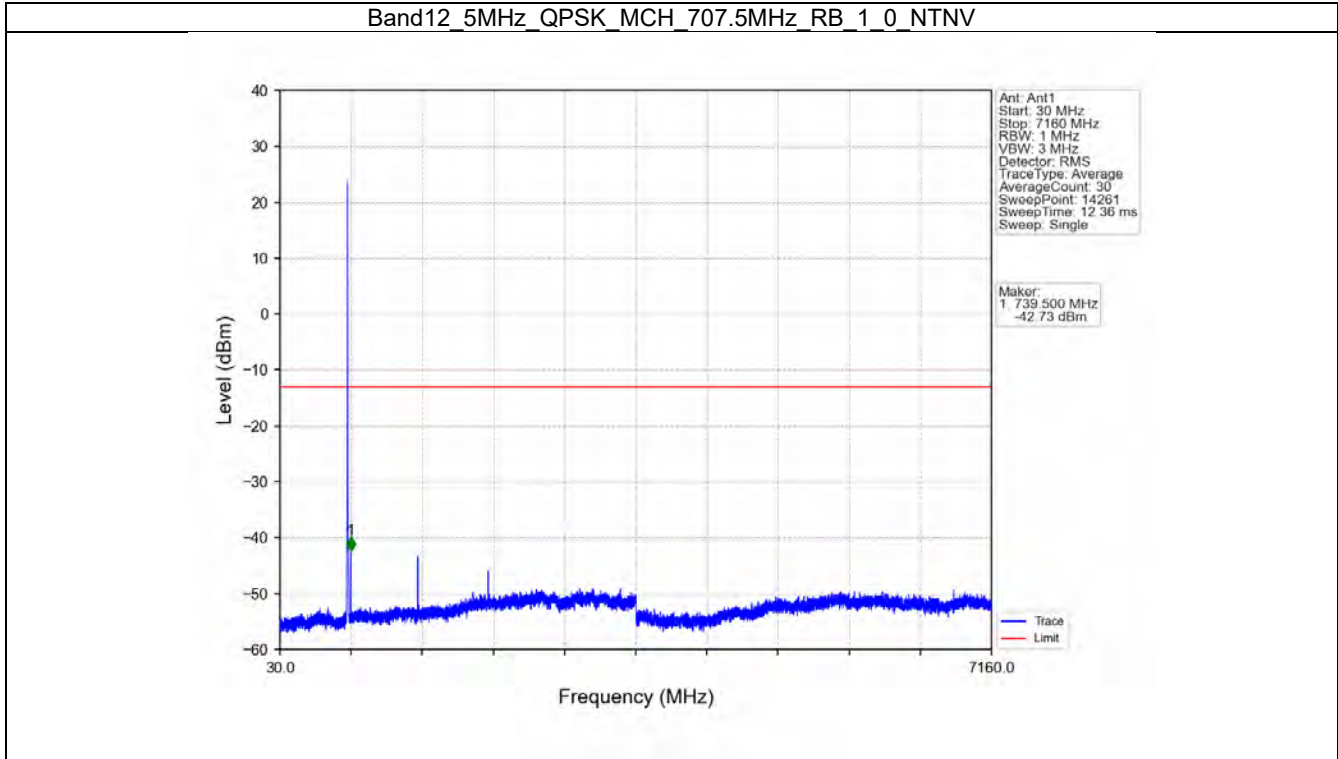
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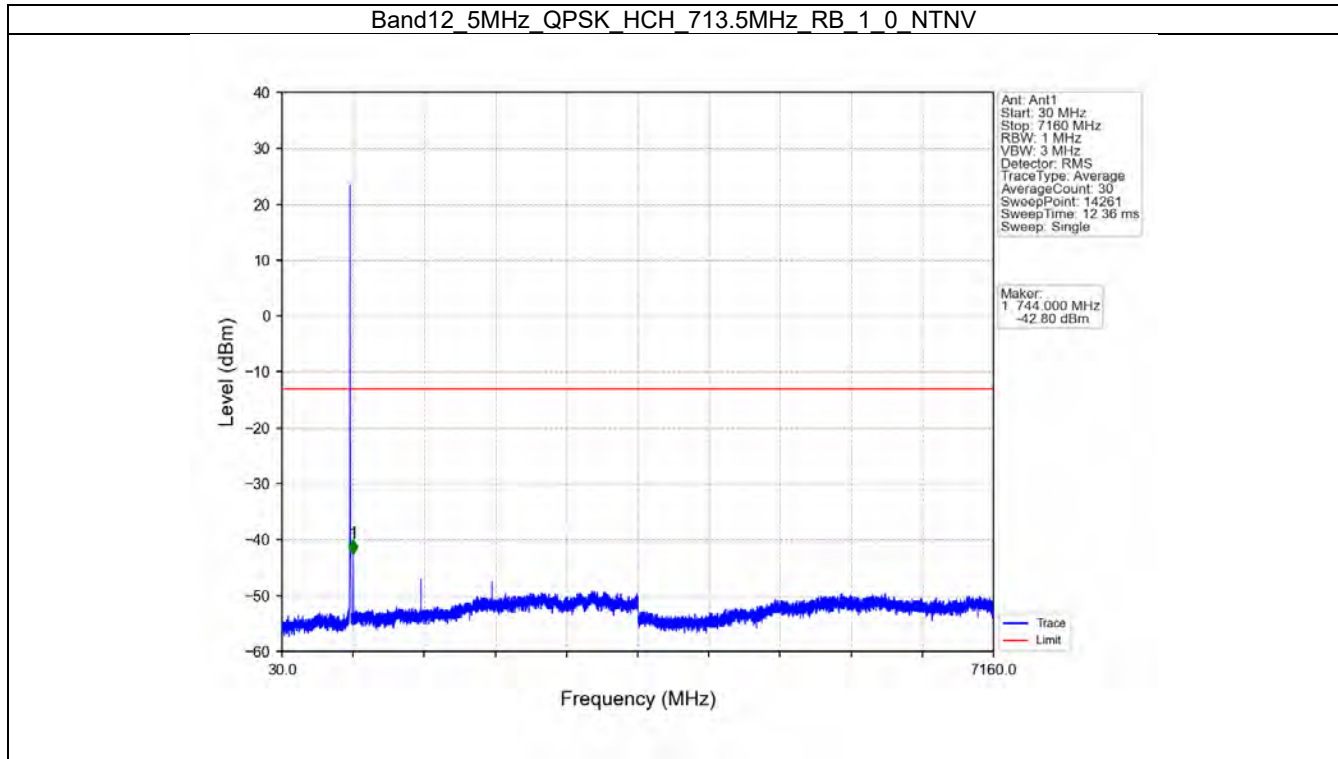


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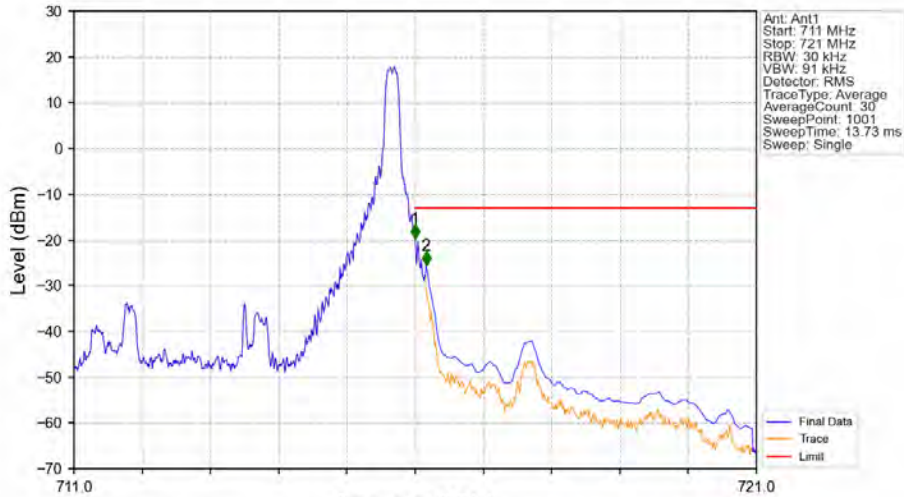
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Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.000	-19.69	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.61	-13	Pass



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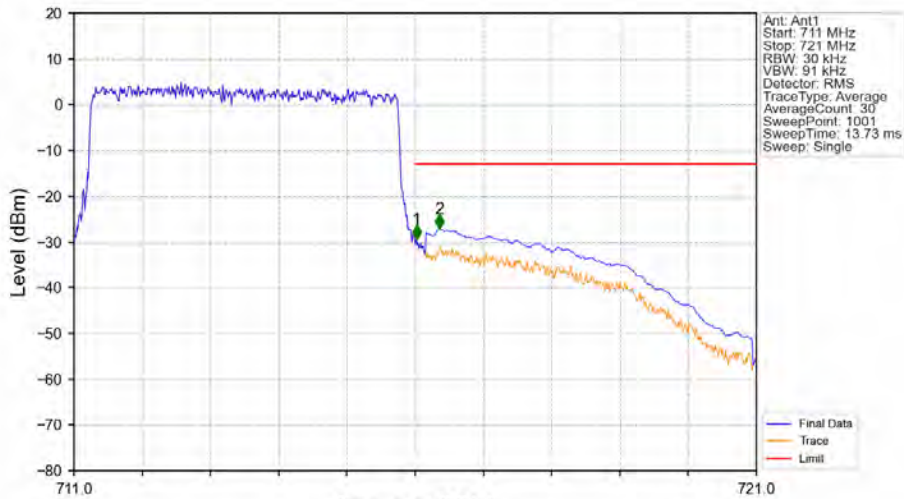
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Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-29.42	-13	Pass
716.1	721	0.1	CHP	2	716.360	-27.09	-13	Pass



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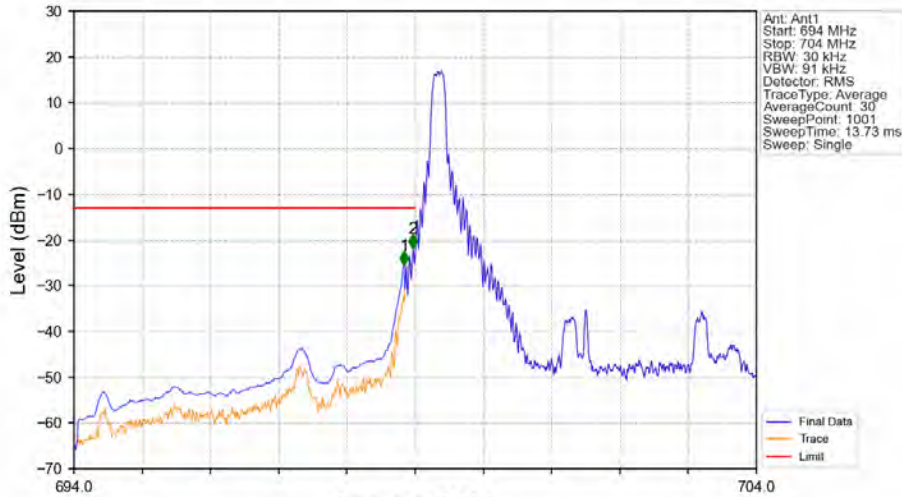
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Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



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	-25.55	-13	Pass
698.9	699	0.03	/	2	698.970	-21.80	-13	Pass
699	704	0.03	/	/	/	/	/	/



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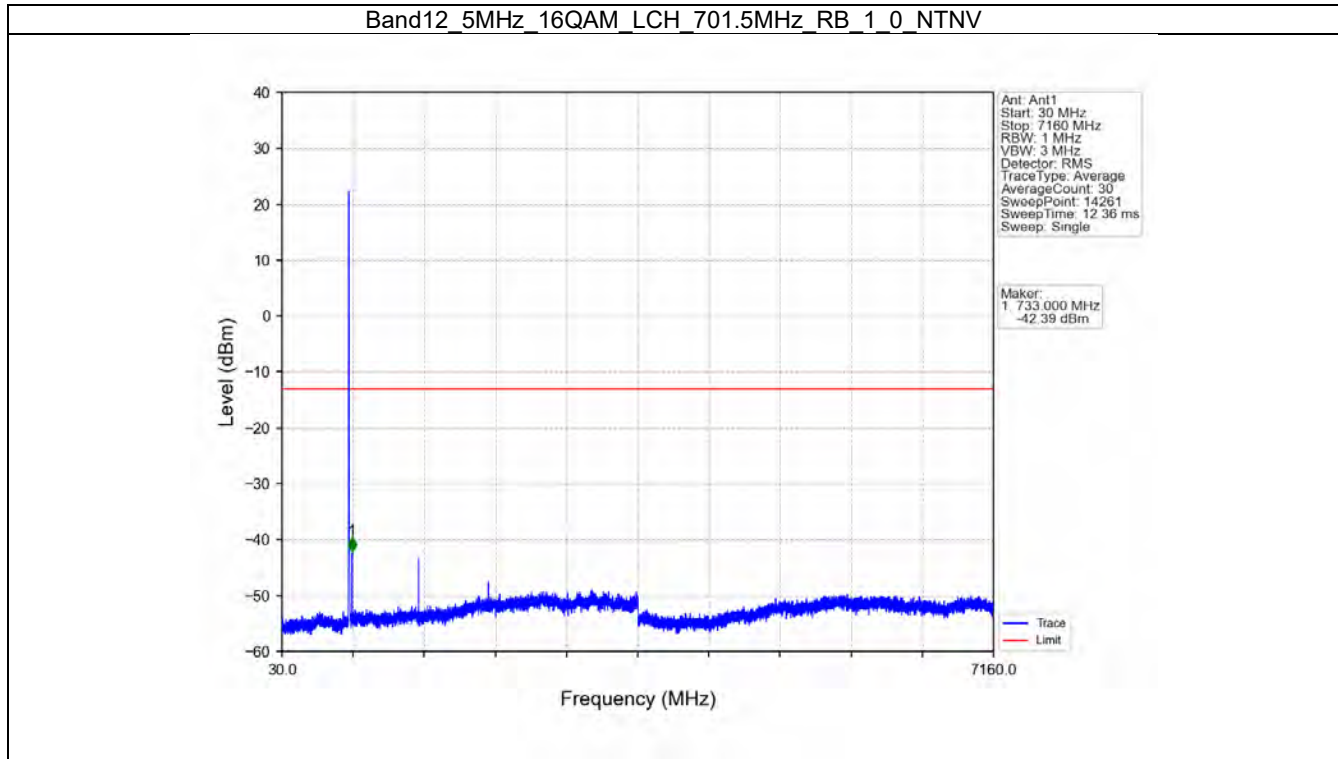


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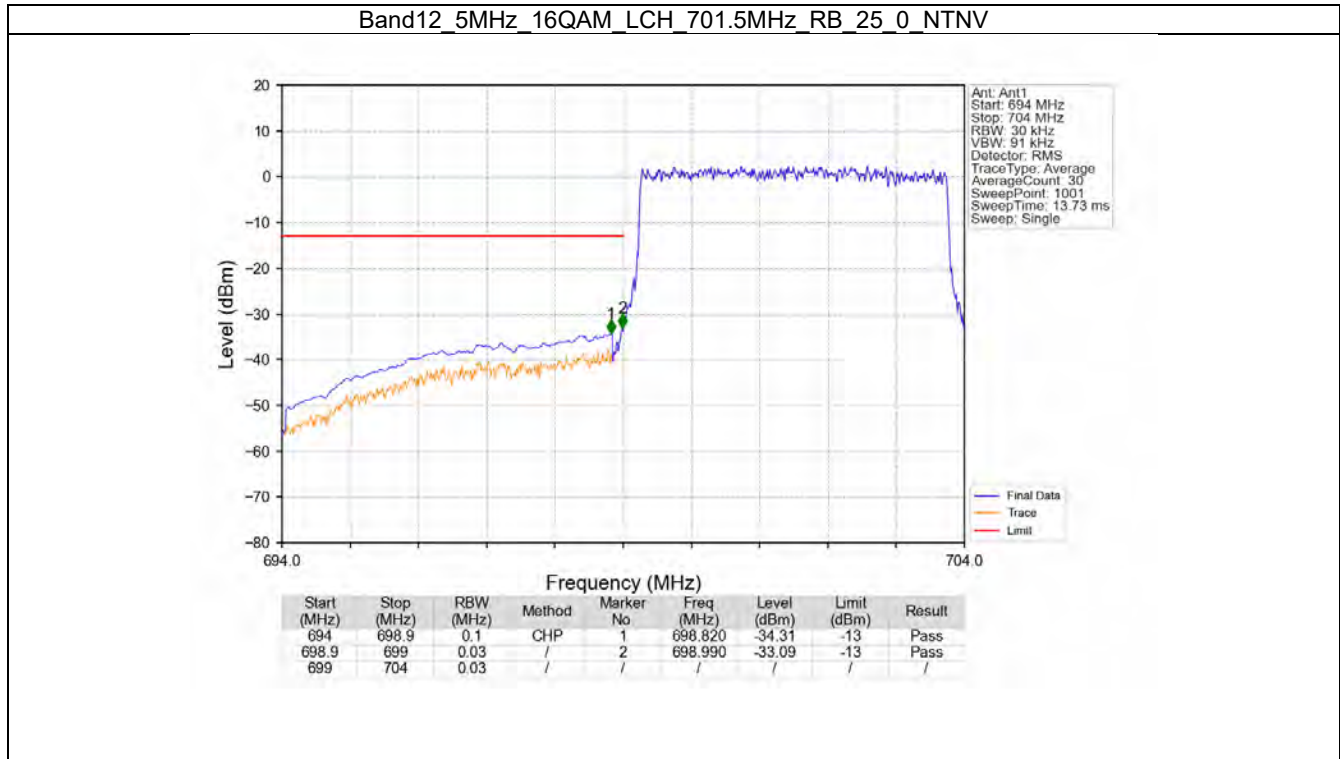
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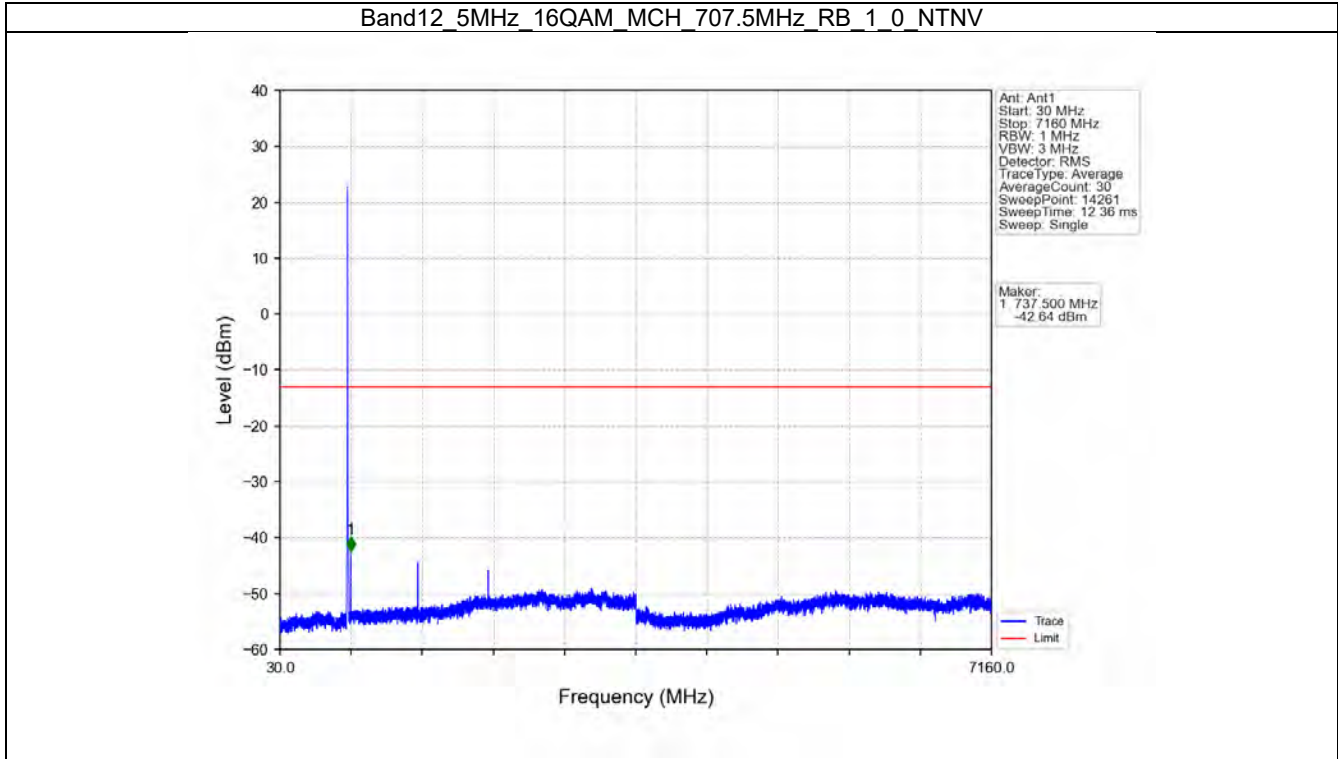
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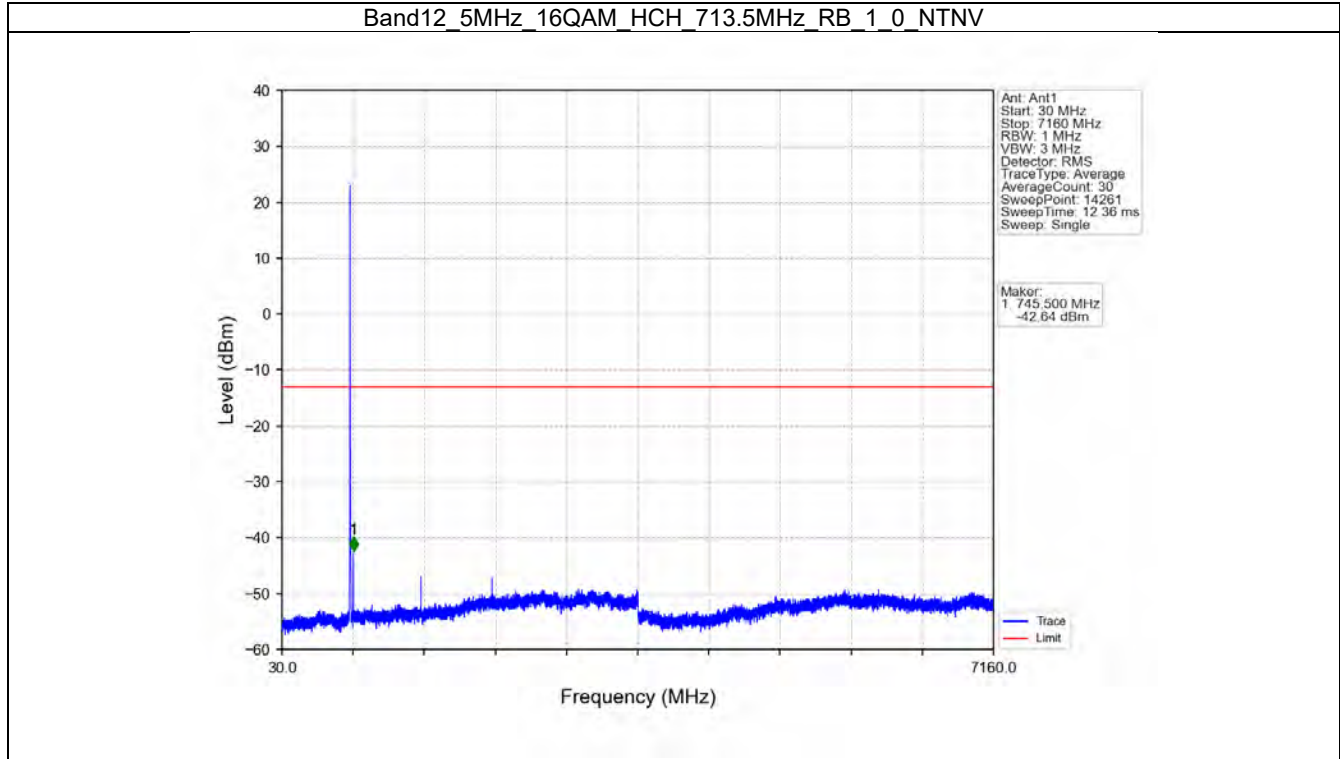
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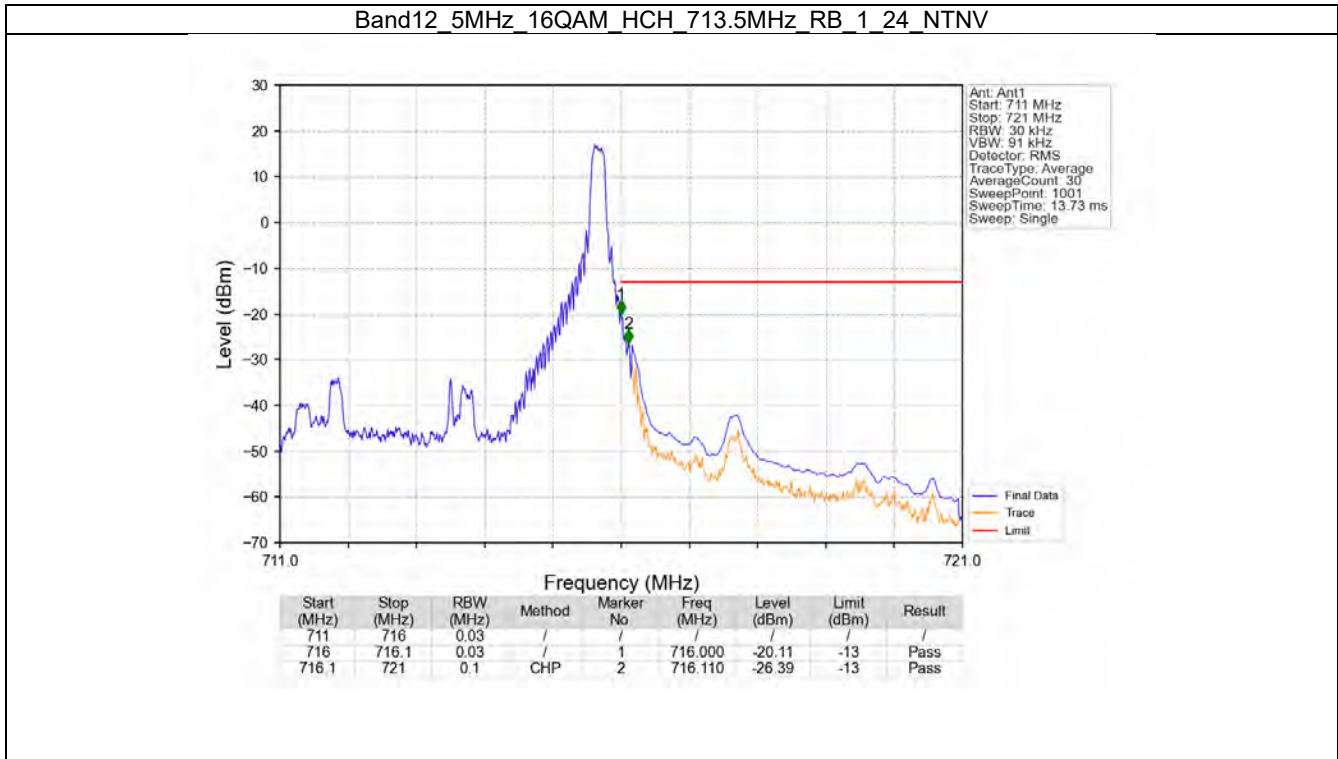
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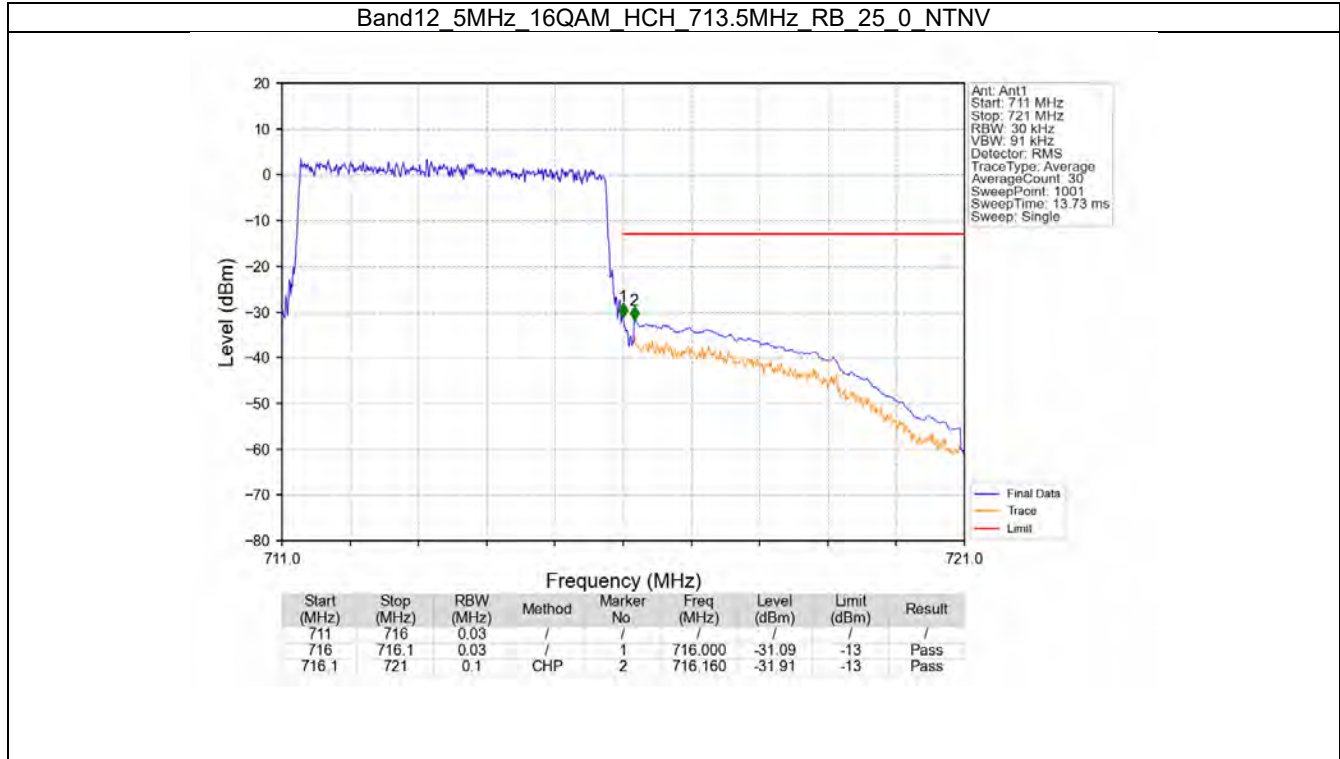
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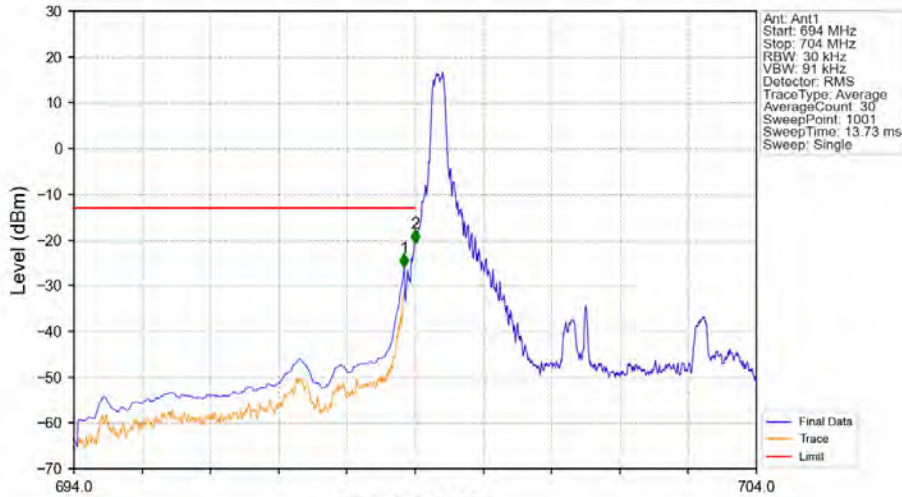
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Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	699.9	0.1	CHP	1	698.840	-26.10	-13	Pass
698.9	699	0.03	/	2	699.000	-20.77	-13	Pass
699	704	0.03	/	/	/	/	/	/



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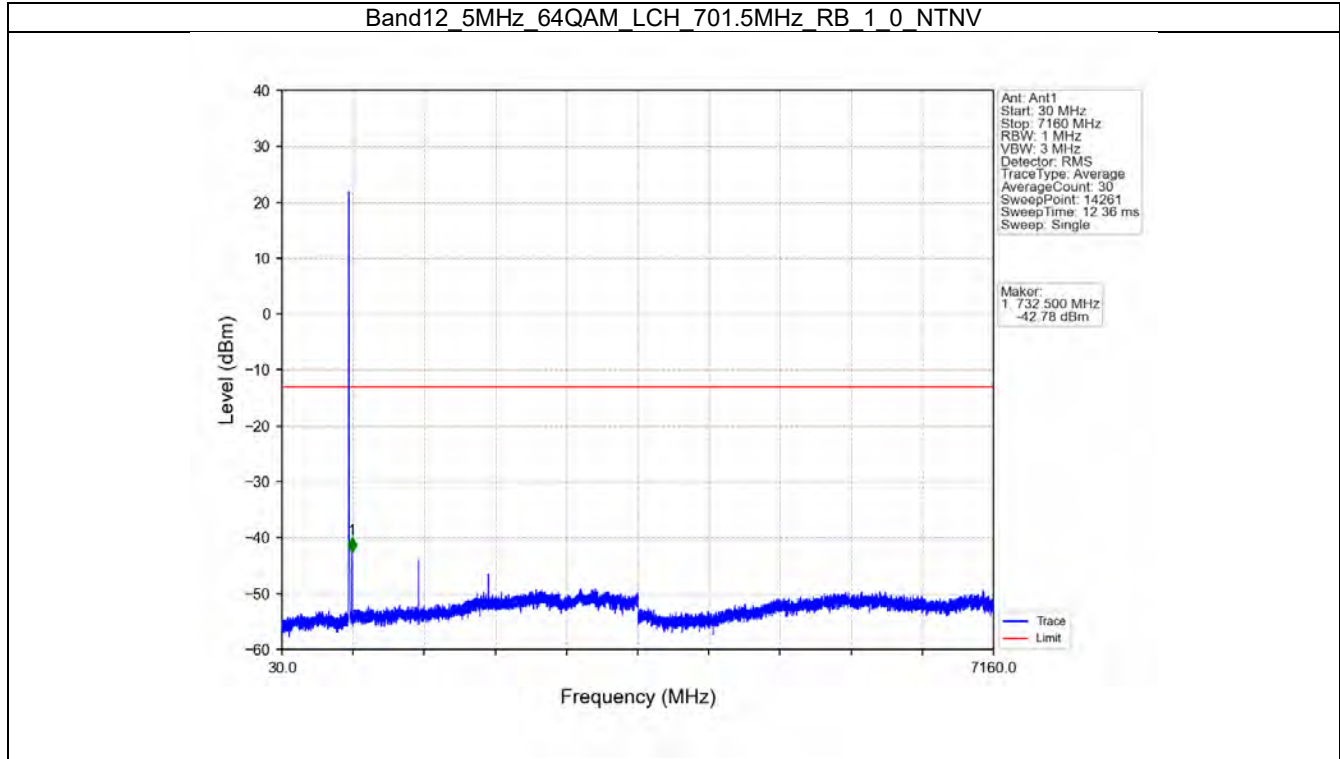
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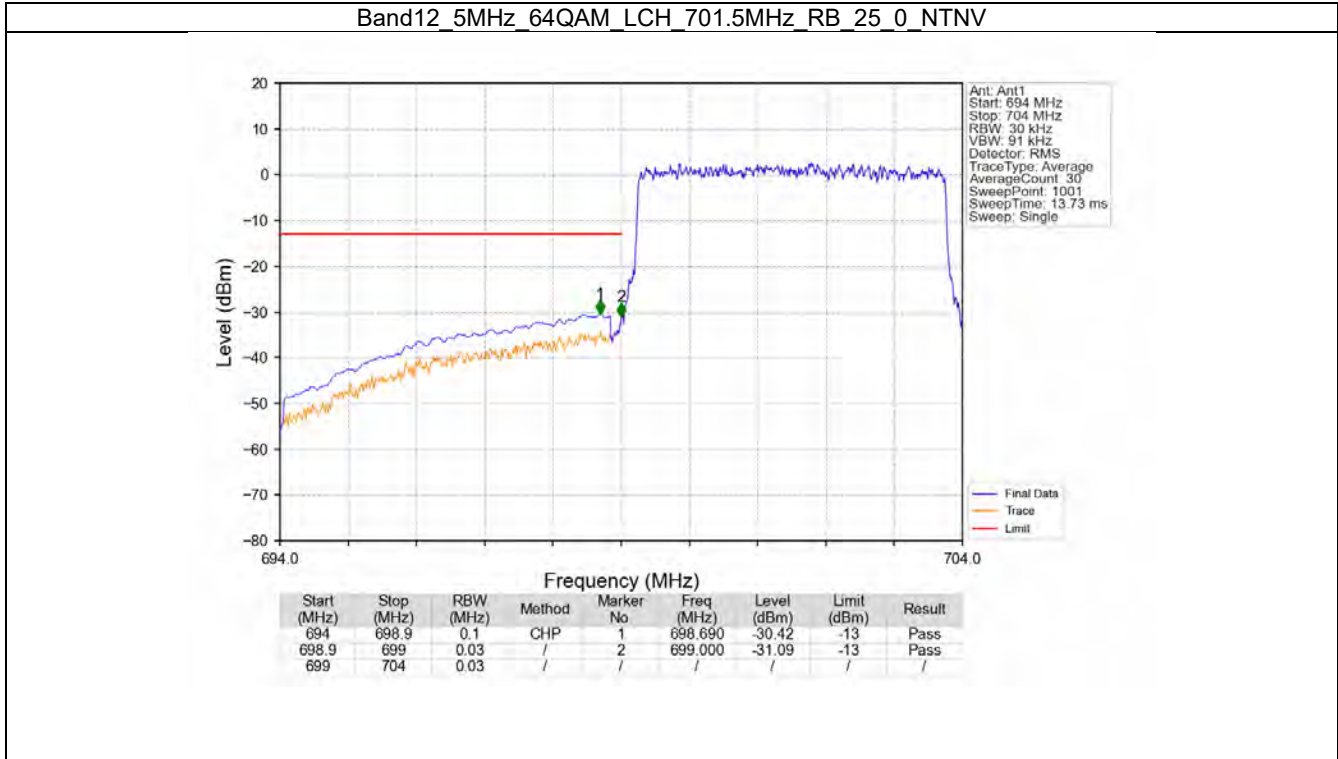
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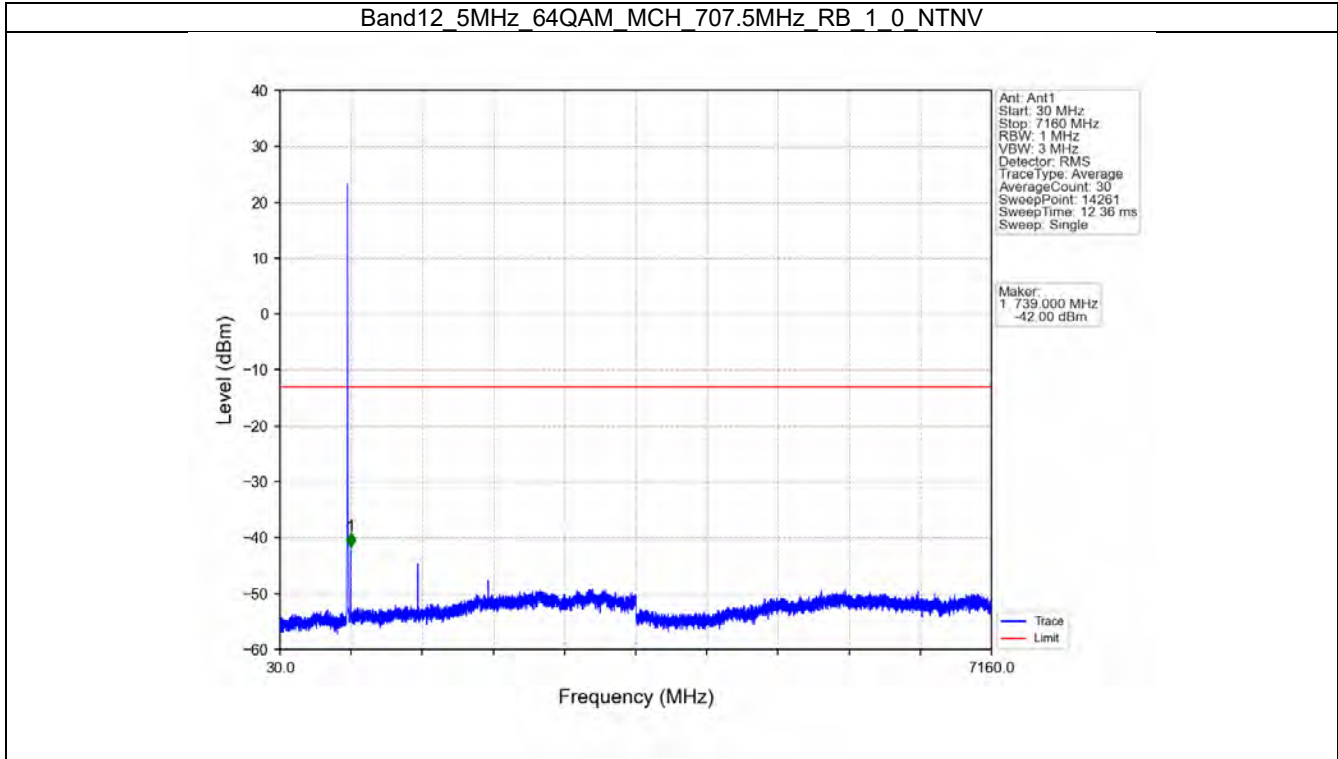
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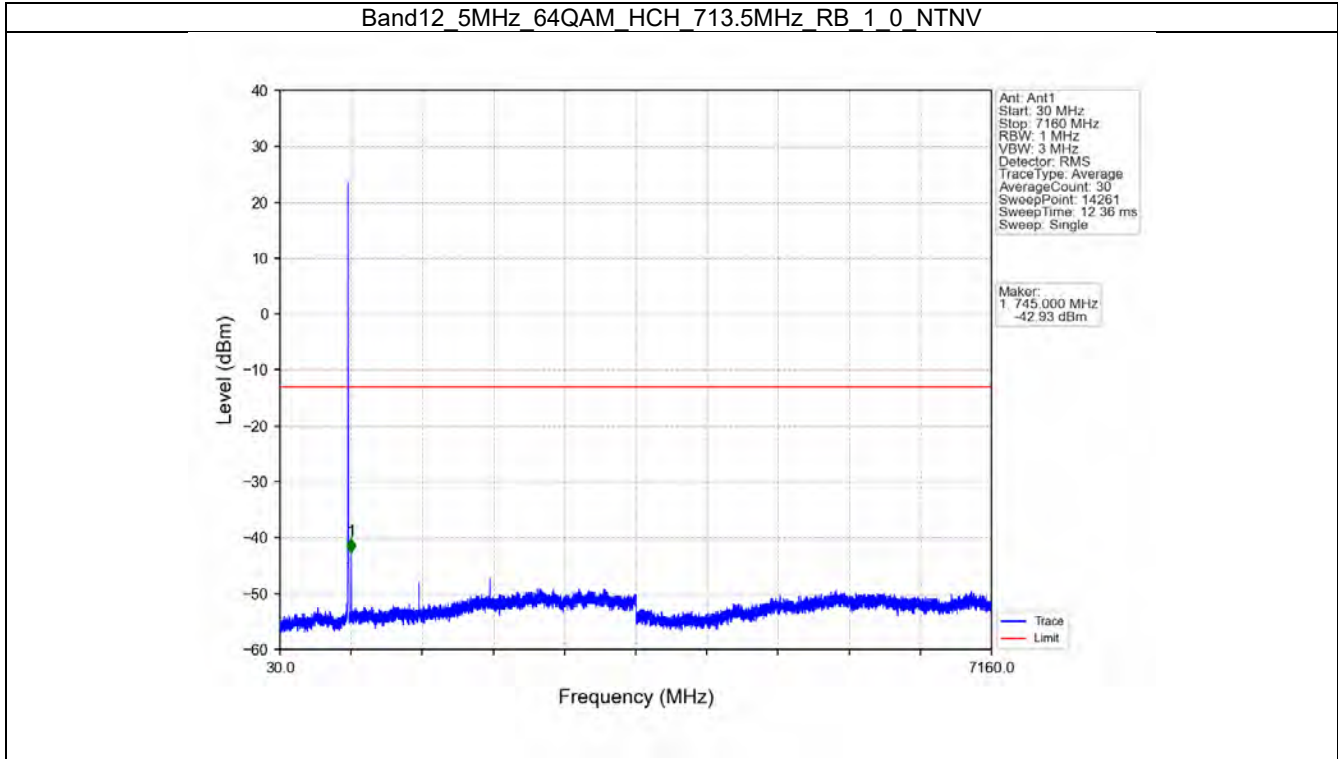
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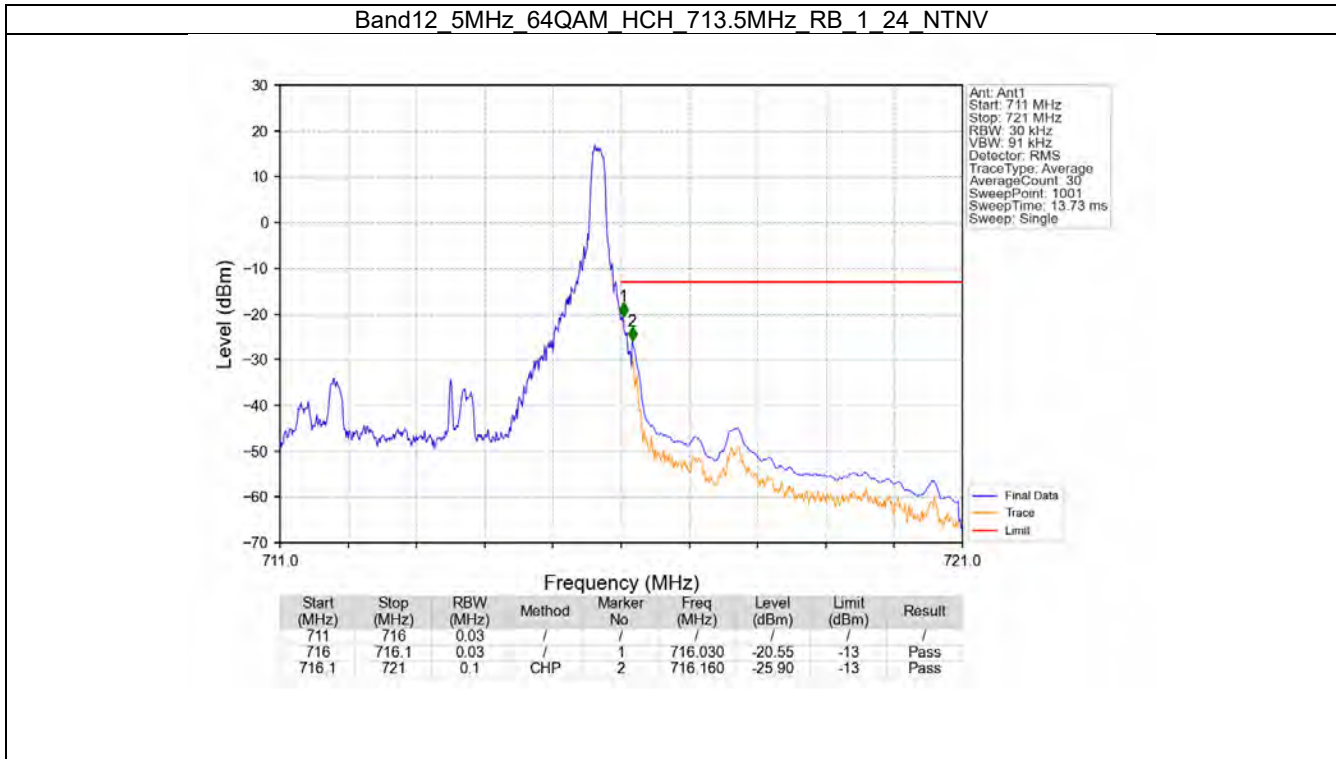
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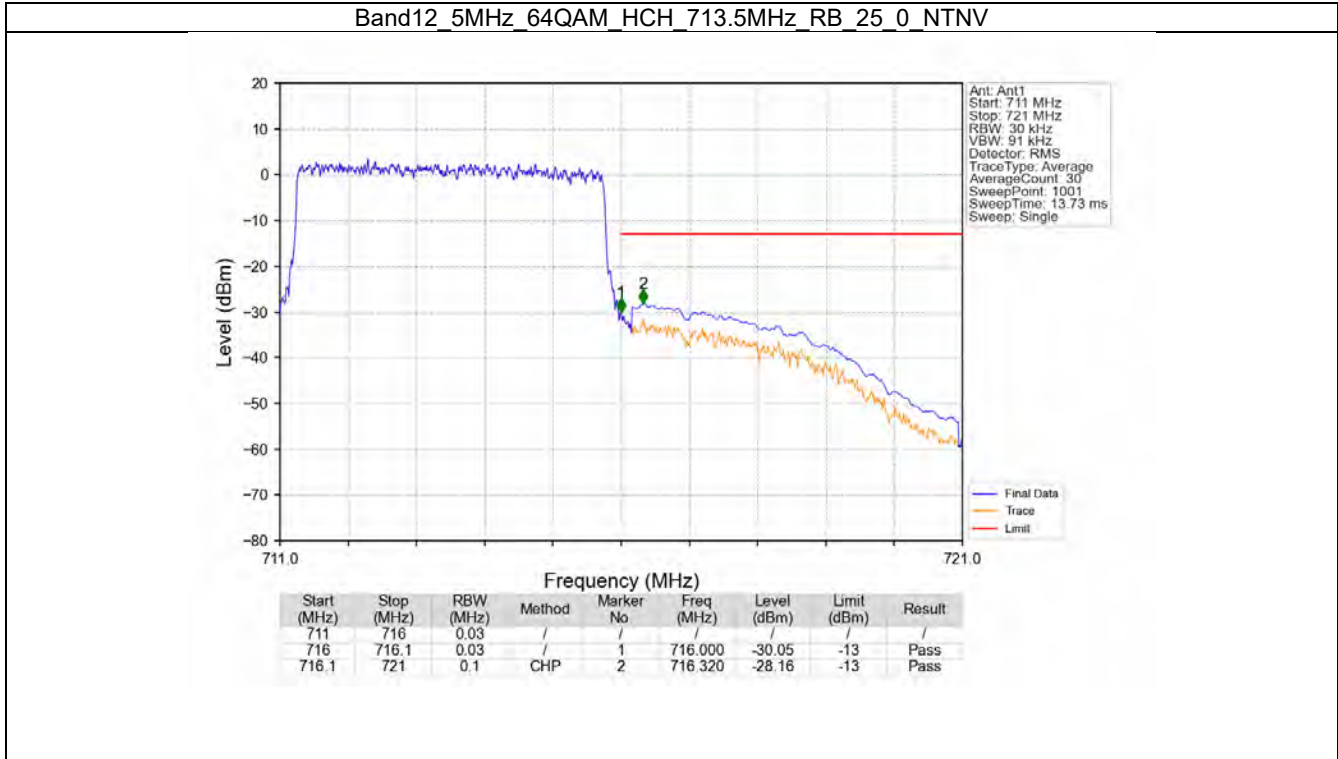
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5.4 B12_10MHz

5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	707.5	1	0	Refer To Test Graph	Pass	
		711	1	0	Refer To Test Graph	Pass
			49	0	Refer To Test Graph	Pass
16QAM	704	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	707.5	1	0	Refer To Test Graph	Pass	
		711	1	0	Refer To Test Graph	Pass
			49	0	Refer To Test Graph	Pass
64QAM	704	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	707.5	1	0	Refer To Test Graph	Pass	
		711	1	0	Refer To Test Graph	Pass
			49	0	Refer To Test Graph	Pass
711	50	0	Refer To Test Graph	Pass		



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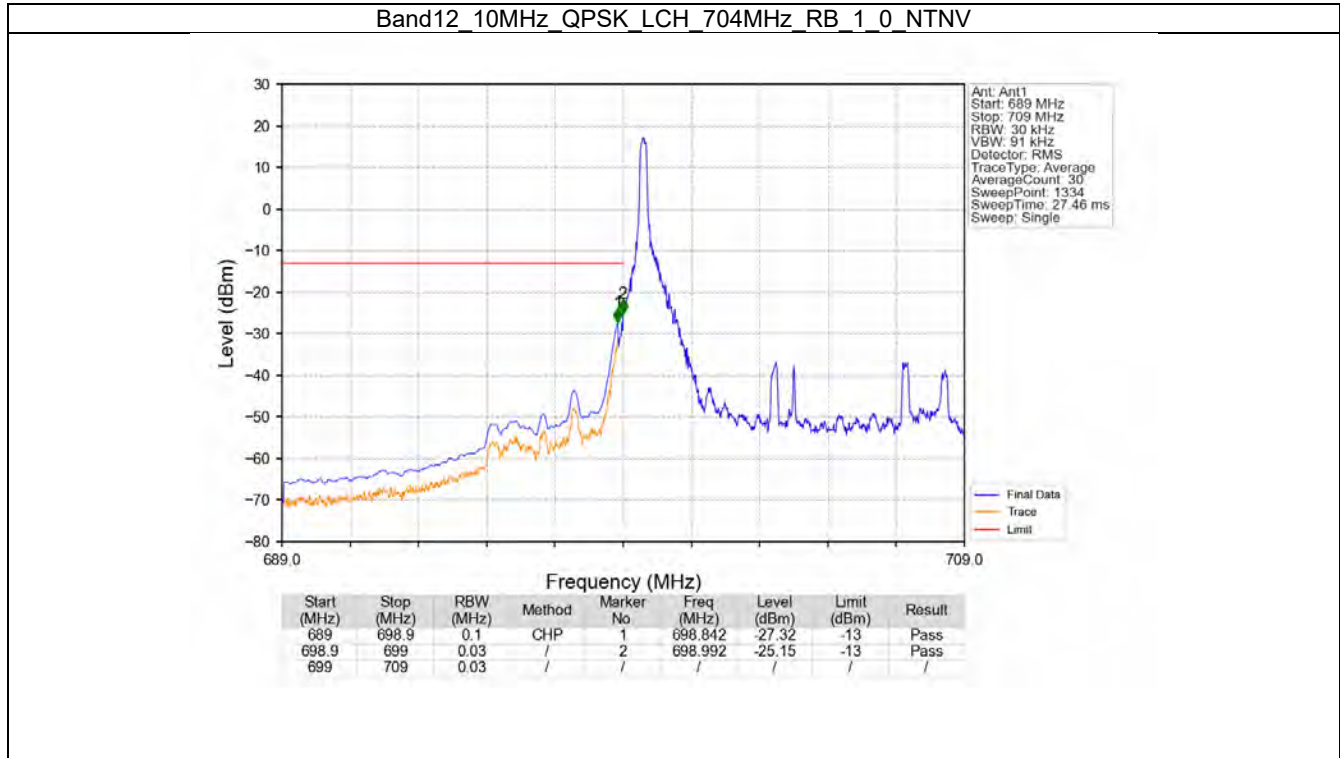
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5.4.2 Test Graph



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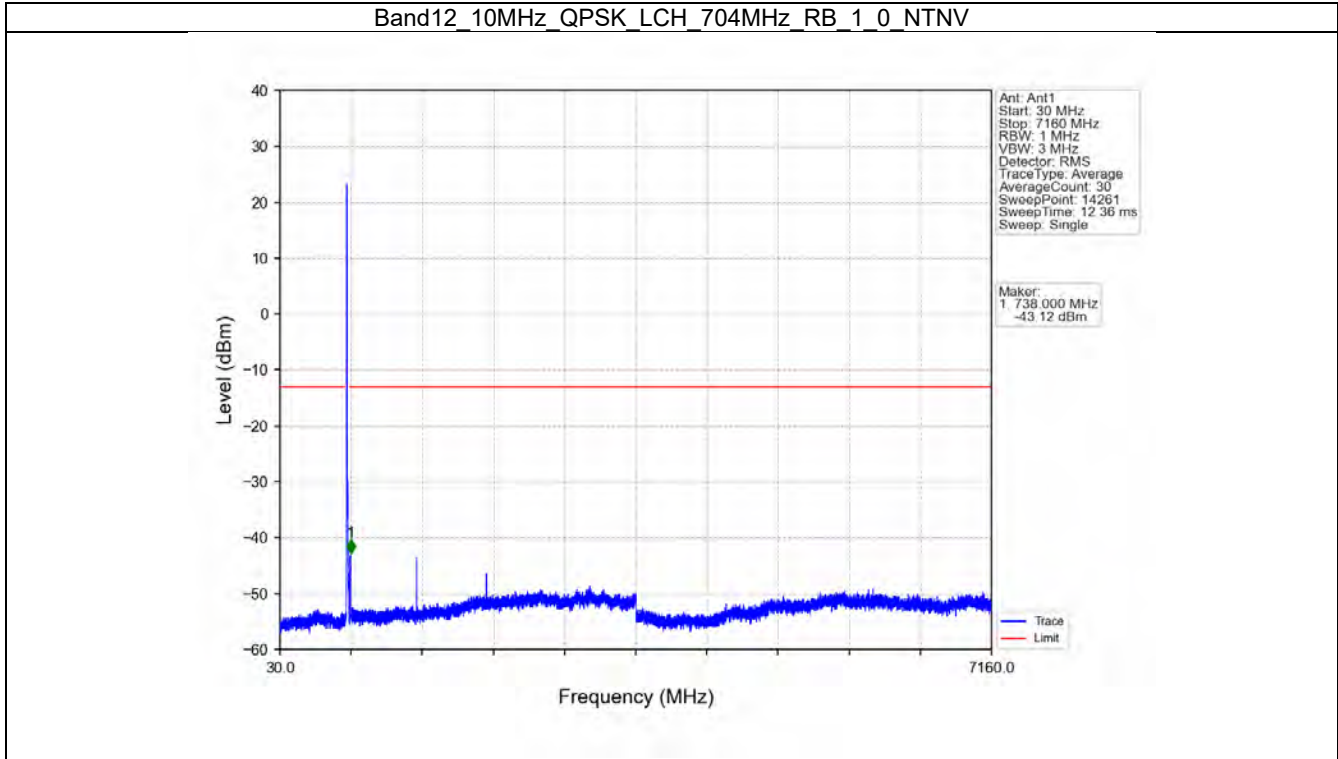
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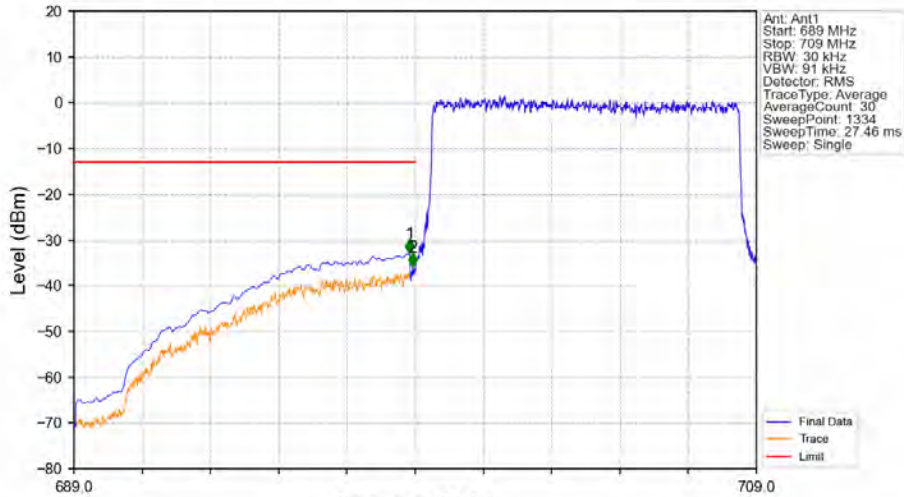
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Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-32.96	-13	Pass
698.9	699	0.03	/	2	698.932	-35.88	-13	Pass
699	709	0.03	/	/	/	/	/	/



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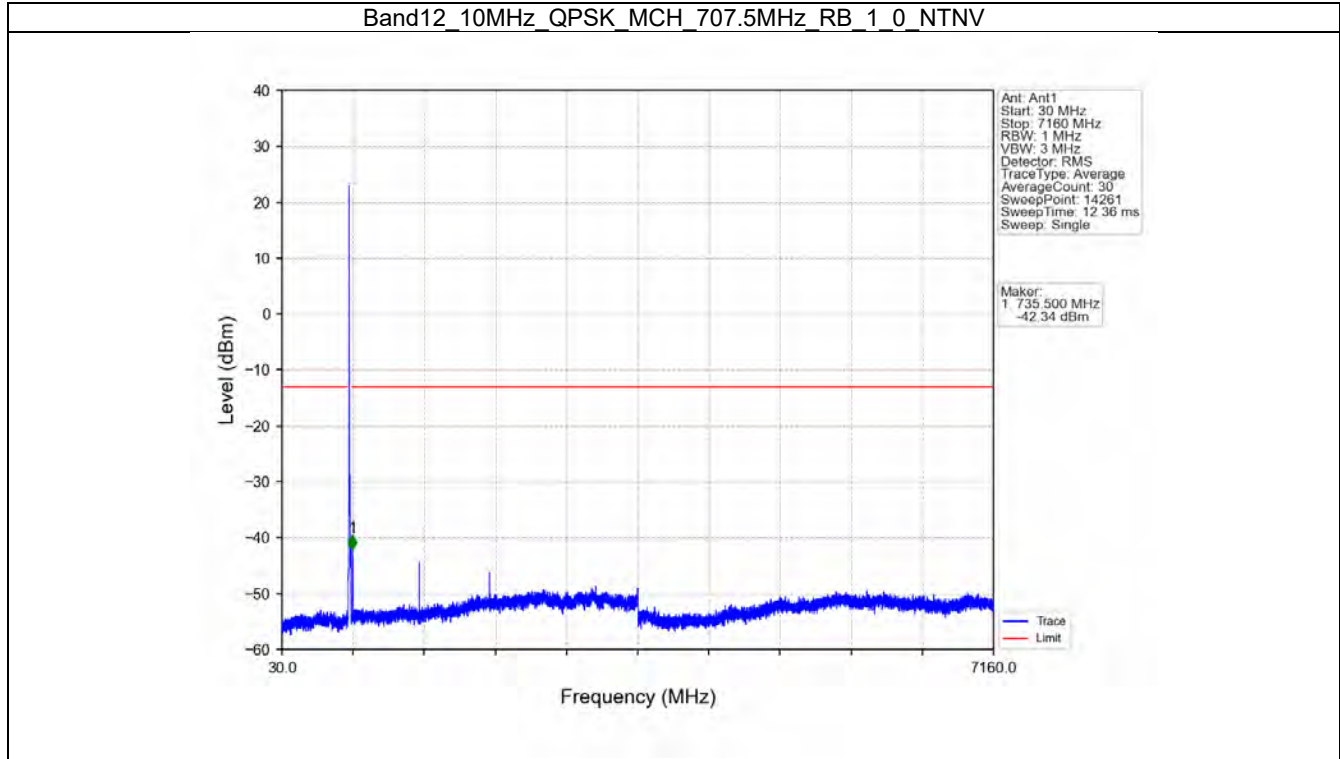


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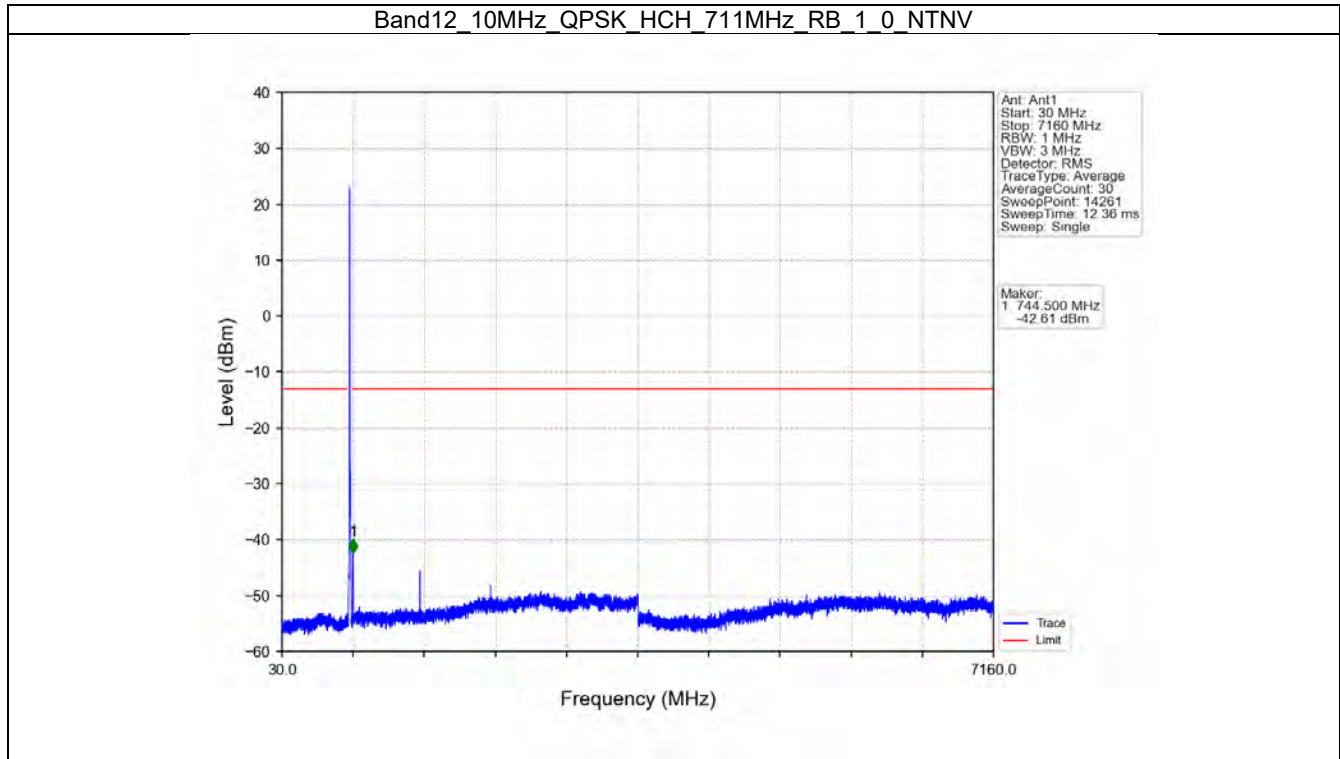
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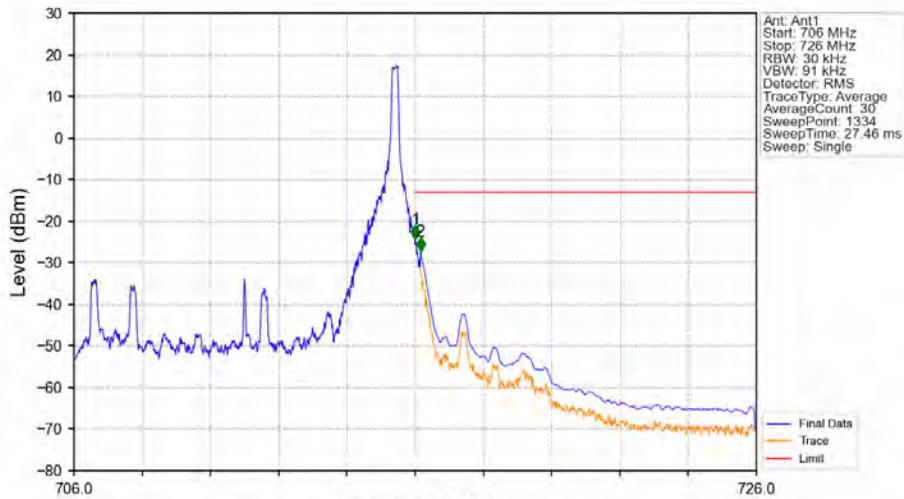
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Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-24.38	-13	Pass
716.1	726	0.1	CHP	2	716.158	-27.26	-13	Pass



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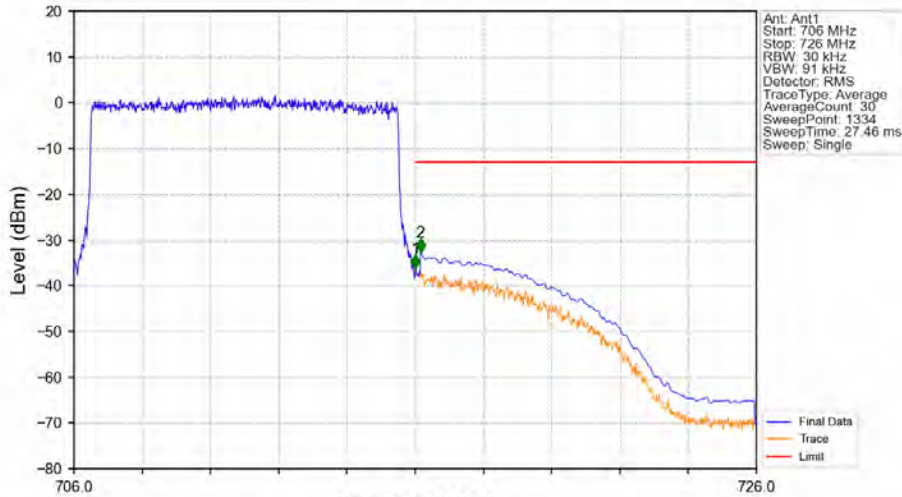
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Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-36.22	-13	Pass
716.1	726	0.1	CHP	2	716.158	-32.79	-13	Pass



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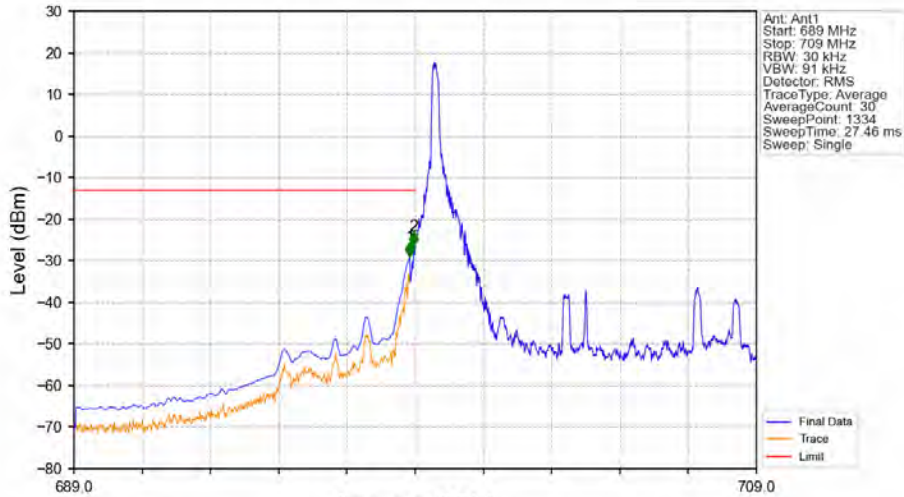
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Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-29.02	-13	Pass
698.9	699	0.03	/	2	698.962	-26.51	-13	Pass
699	709	0.03	/	/	/	/	/	/



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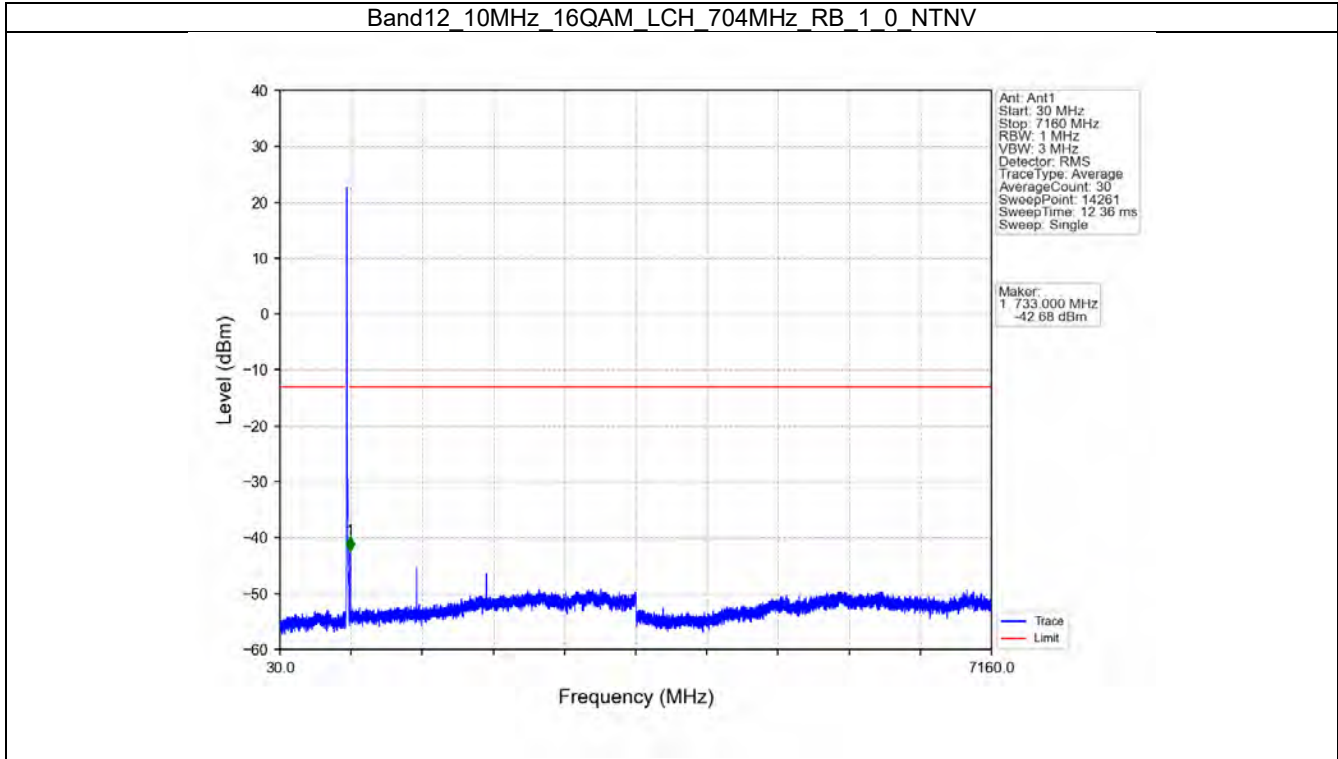
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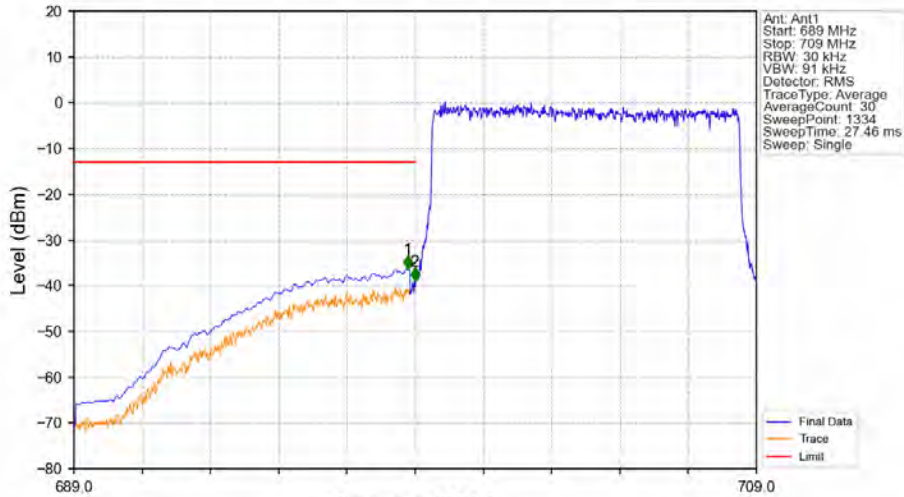
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Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.782	-36.45	-13	Pass
698.9	699	0.03	/	2	698.992	-39.04	-13	Pass
699	709	0.03	/	/	/	/	/	/



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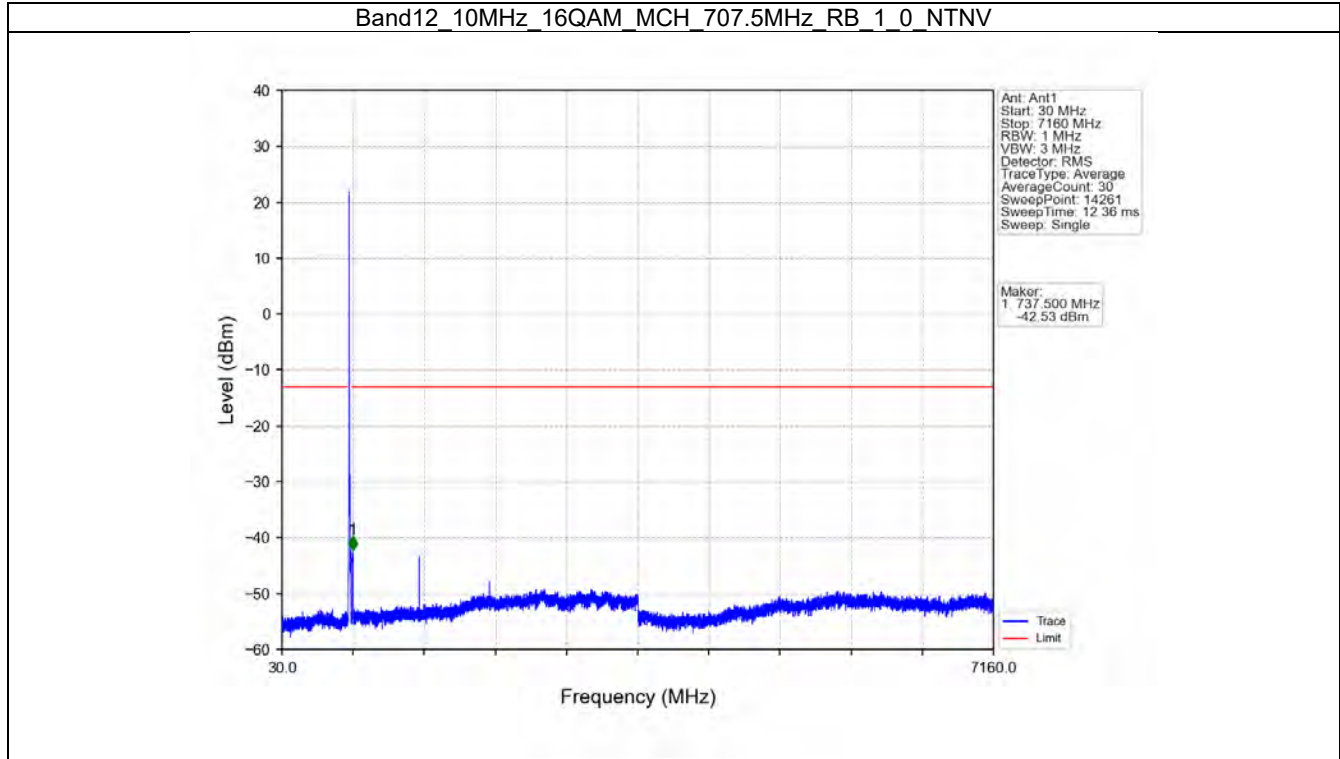
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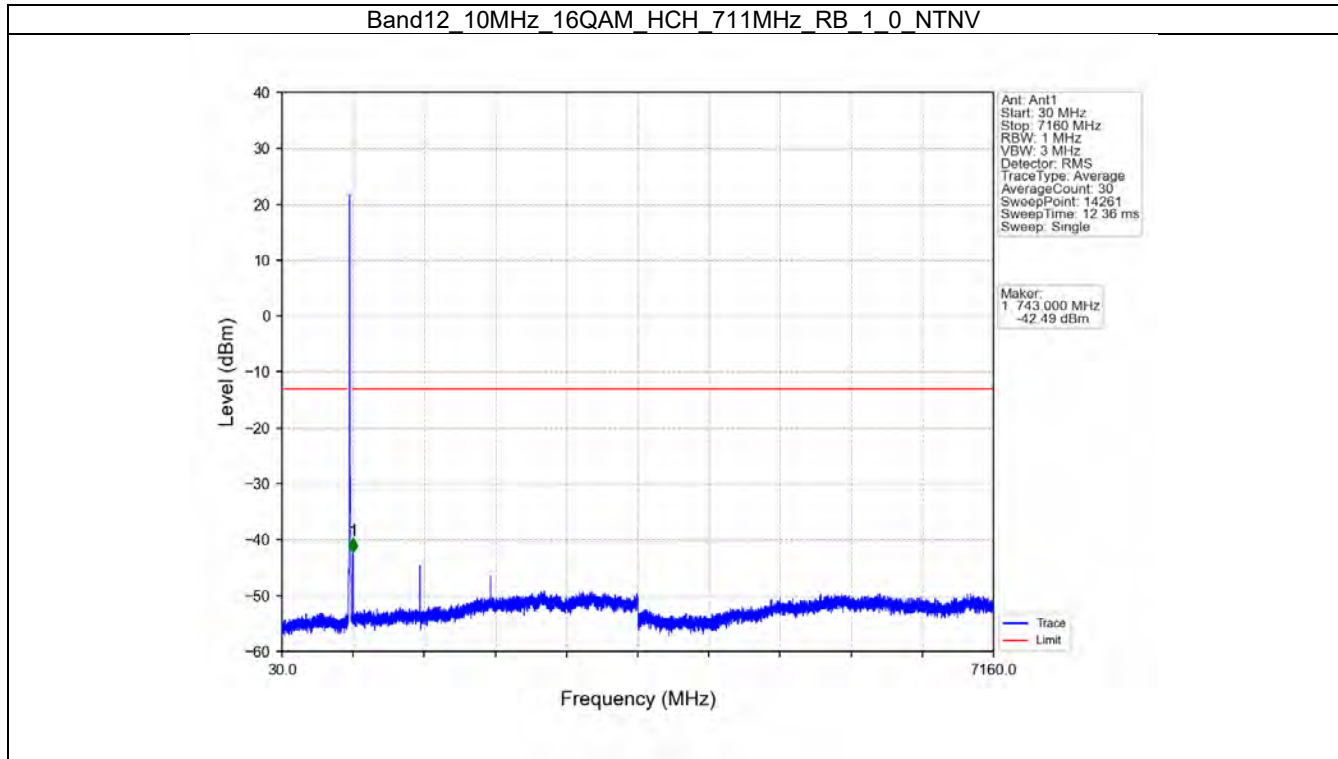


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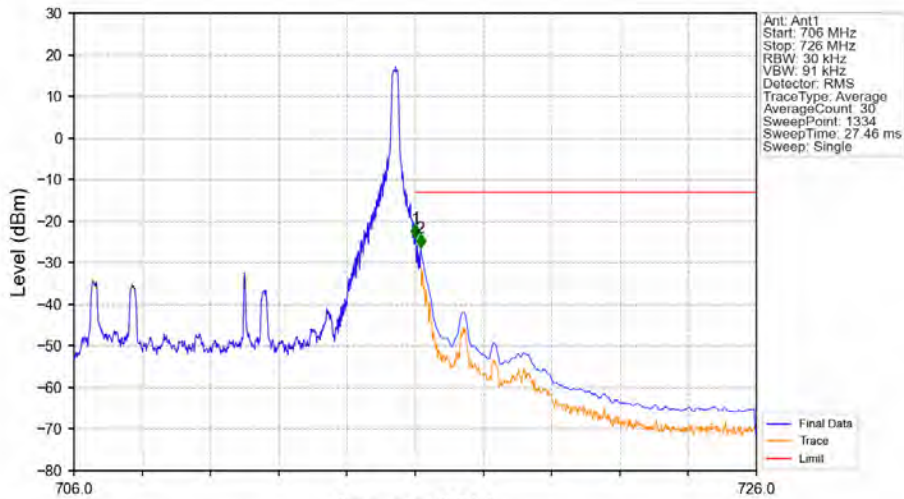
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Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-24.17	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.52	-13	Pass



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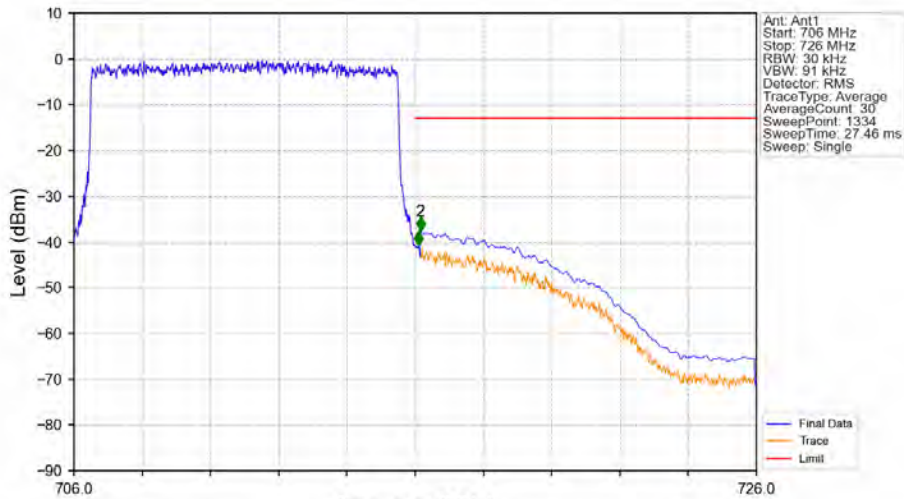
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Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.098	-40.75	-13	Pass
716.1	726	0.1	CHP	2	716.158	-37.67	-13	Pass



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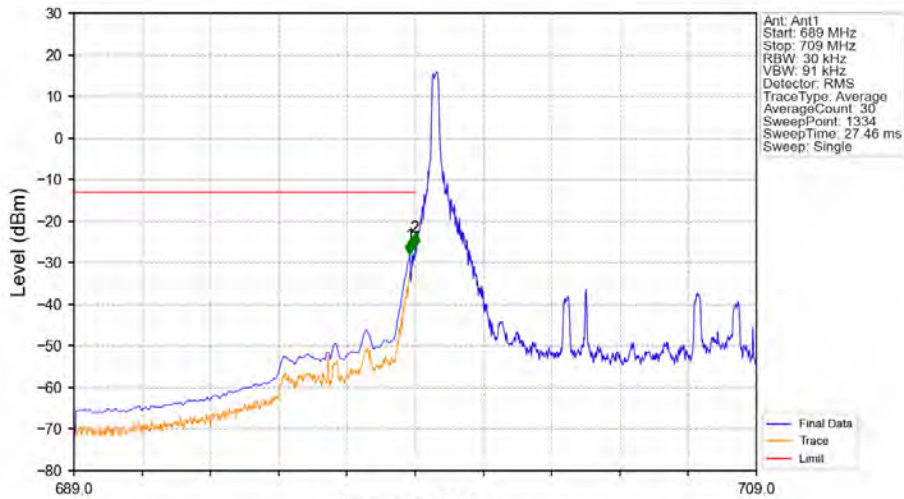
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Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-27.96	-13	Pass
698.9	699	0.03	/	2	698.992	-26.33	-13	Pass
699	709	0.03	/	/	/	/	/	/



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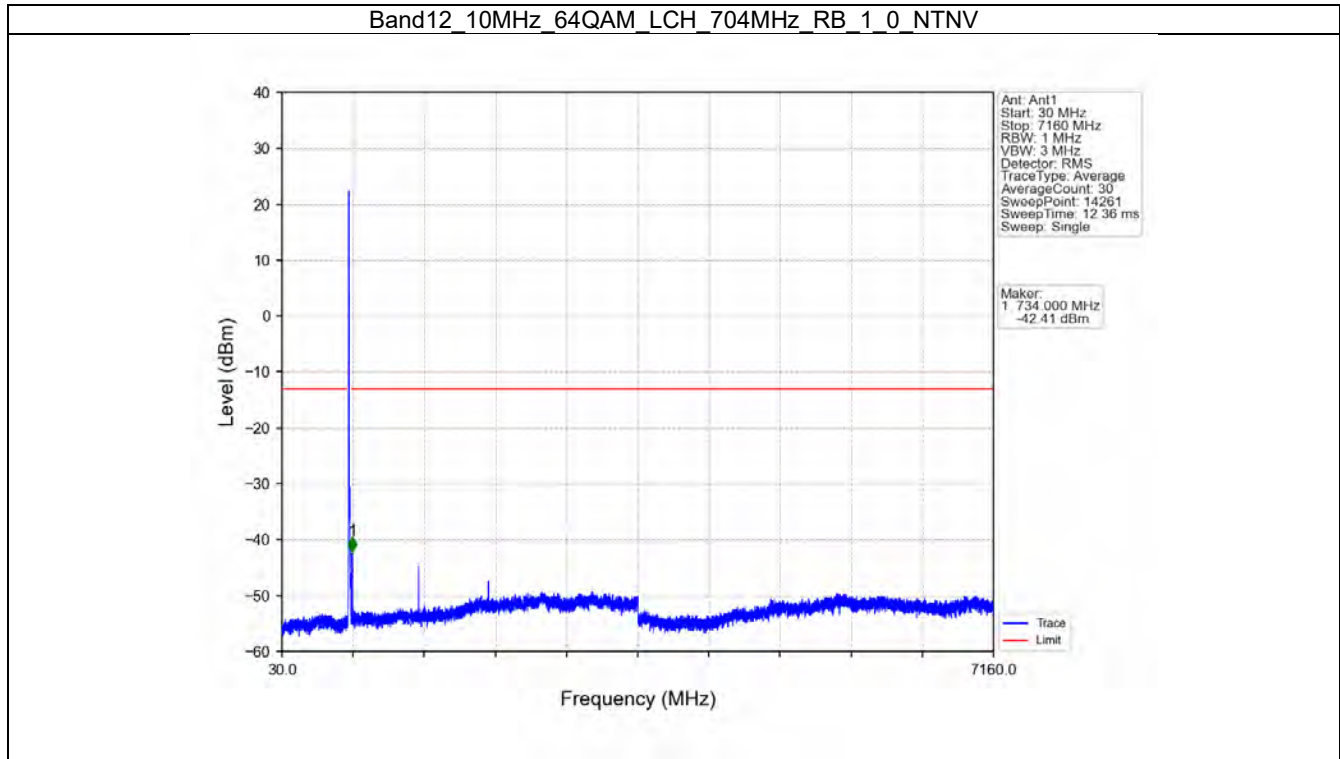


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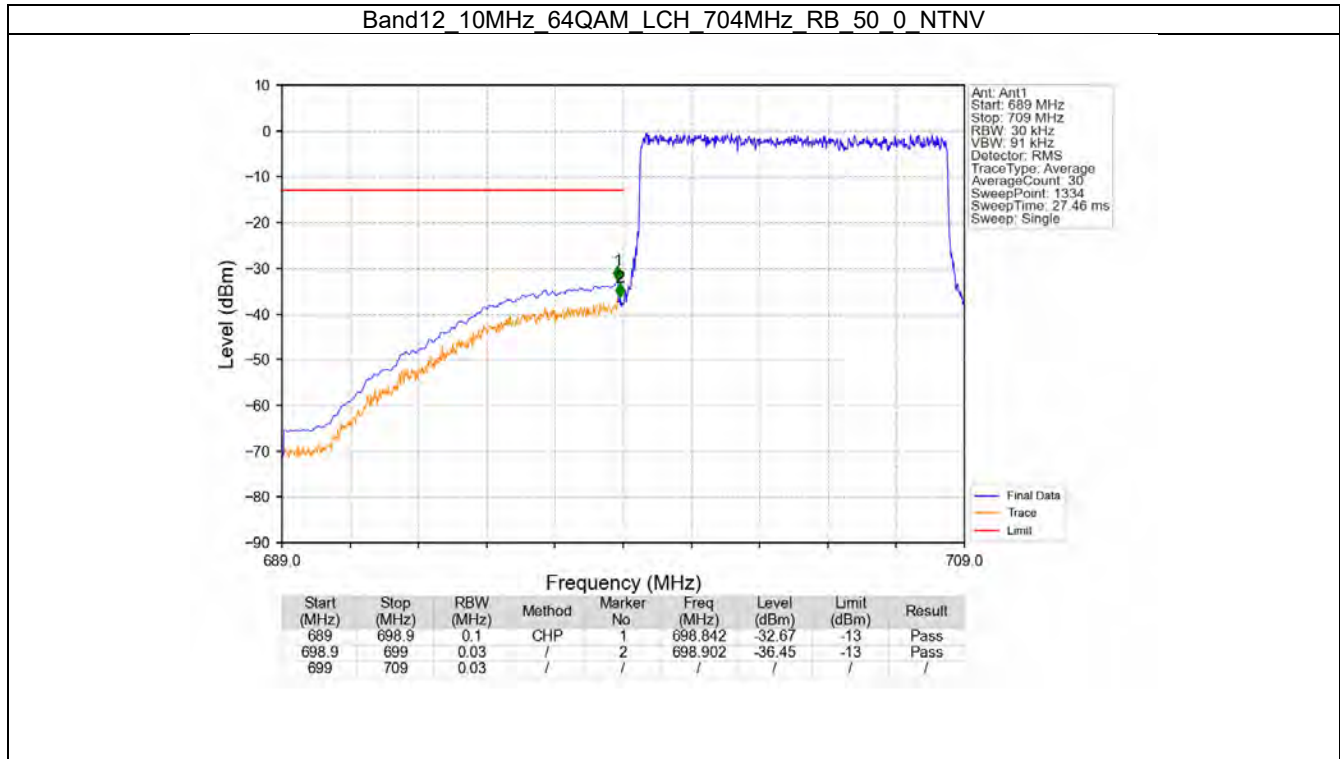
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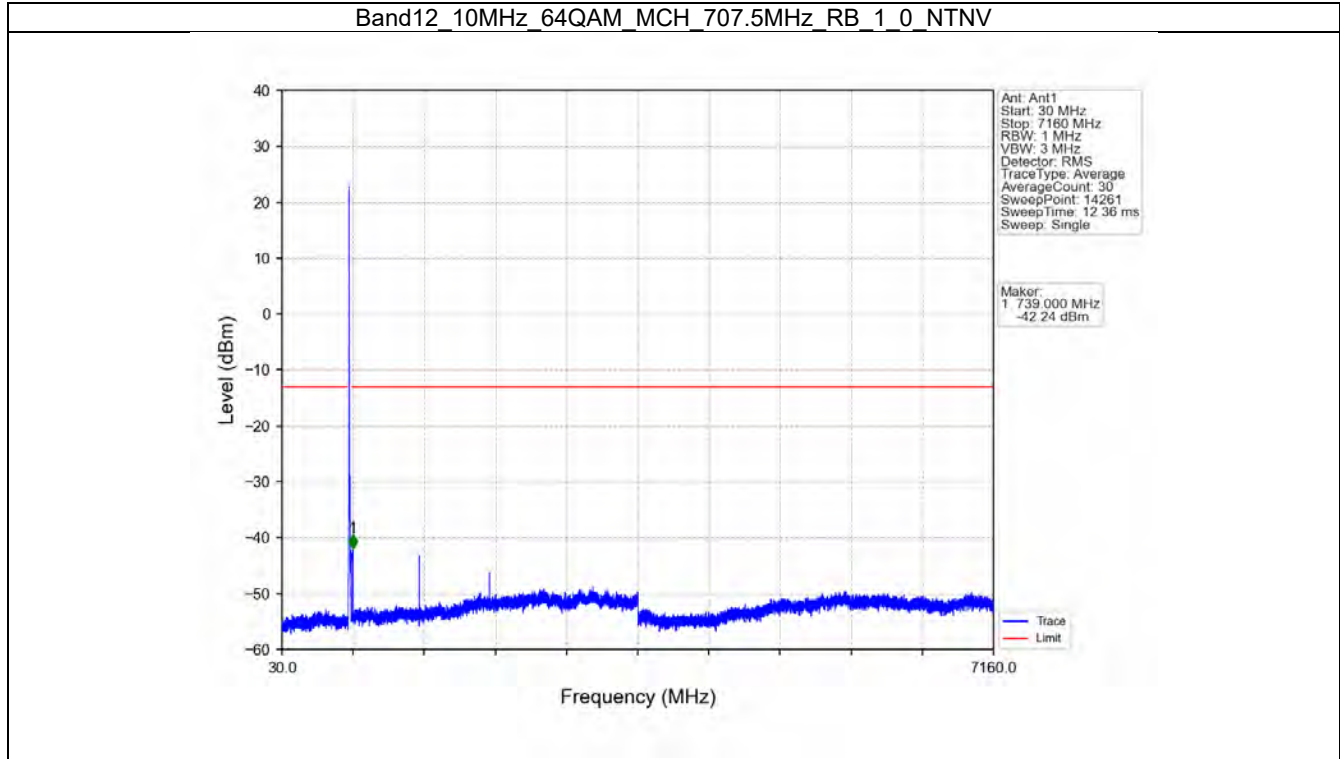
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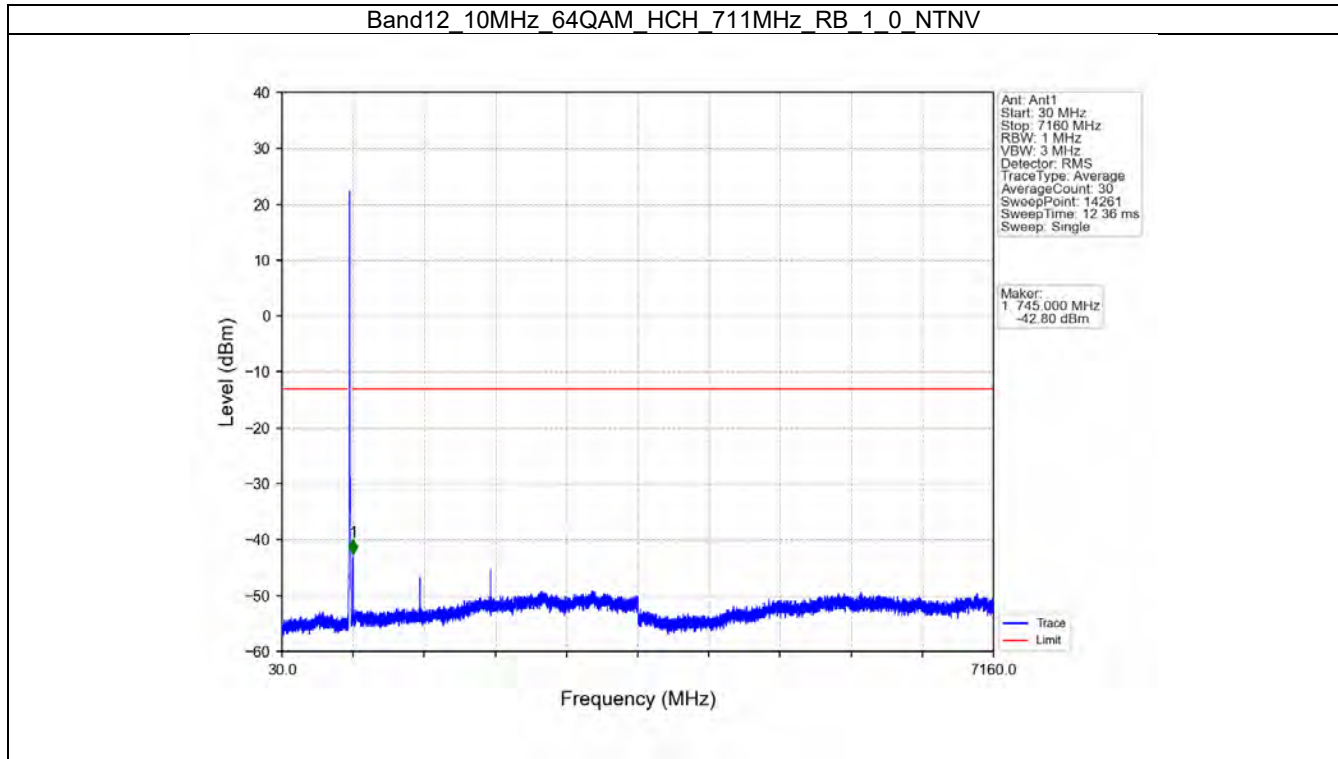


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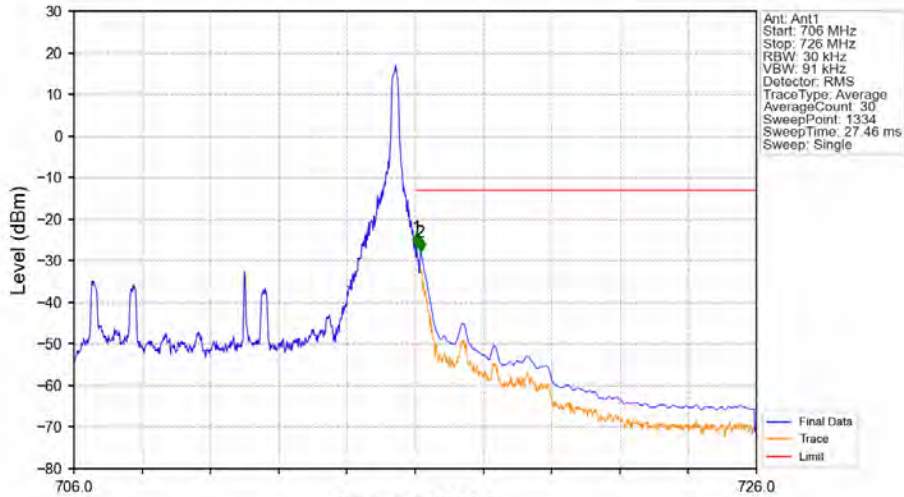
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Band12_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.038	-26.71	-13	Pass
716.1	726	0.1	CHP	2	716.158	-27.80	-13	Pass



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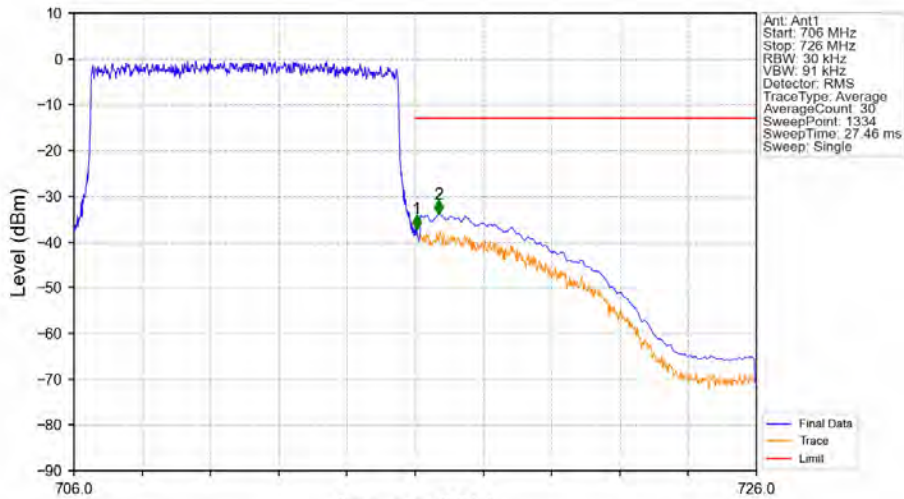
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Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.038	-37.17	-13	Pass
716.1	726	0.1	CHP	2	716.683	-33.91	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = B12 ANT0_ TM1

Test Channel = low

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.0000	49.23	24.20	-49.12	-70.95	-13.00	57.95	Horizontal
2	2098.5000	43.91	26.44	-48.18	-73.09	-13.00	60.09	Horizontal
3	2798.0000	44.05	28.12	-47.31	-70.40	-13.00	57.40	Horizontal
4	3497.5000	44.59	28.70	-47.38	-69.35	-13.00	56.35	Horizontal
5	4197.0000	43.91	29.78	-47.13	-68.70	-13.00	55.70	Horizontal
6	4896.5000	44.37	31.15	-47.02	-66.76	-13.00	53.76	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.0000	49.90	24.20	-49.12	-70.28	-13.00	57.28	Vertical
2	2098.5000	43.63	26.44	-48.18	-73.37	-13.00	60.37	Vertical
3	2798.0000	44.07	28.12	-47.31	-70.38	-13.00	57.38	Vertical
4	3497.5000	44.86	28.70	-47.38	-69.08	-13.00	56.08	Vertical
5	4197.0000	44.41	29.78	-47.13	-68.20	-13.00	55.20	Vertical
6	4896.5000	44.54	31.15	-47.02	-66.59	-13.00	53.59	Vertical



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Test Band = B12 ANT0_ TM1
Test Channel = mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.0000	48.87	24.22	-49.11	-71.28	-13.00	58.28	Horizontal
2	2109.0000	43.88	26.46	-48.19	-73.11	-13.00	60.11	Horizontal
3	2812.0000	44.08	28.15	-47.34	-70.37	-13.00	57.37	Horizontal
4	3515.0000	44.57	28.72	-47.43	-69.40	-13.00	56.40	Horizontal
5	4218.0000	43.98	29.81	-47.11	-68.58	-13.00	55.58	Horizontal
6	4921.0000	44.57	31.21	-47.00	-66.48	-13.00	53.48	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.0000	49.66	24.22	-49.11	-70.49	-13.00	57.49	Vertical
2	2109.0000	43.90	26.46	-48.19	-73.09	-13.00	60.09	Vertical
3	2812.0000	44.08	28.15	-47.34	-70.37	-13.00	57.37	Vertical
4	3515.0000	44.32	28.72	-47.43	-69.65	-13.00	56.65	Vertical
5	4218.0000	44.02	29.81	-47.11	-68.54	-13.00	55.54	Vertical
6	4921.0000	44.40	31.21	-47.00	-66.65	-13.00	53.65	Vertical



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Test Band = B12 ANT0_ TM1
Test Channel = high

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.0000	50.70	24.24	-49.11	-69.43	-13.00	56.43	Horizontal
2	2119.5000	44.88	26.49	-48.22	-72.11	-13.00	59.11	Horizontal
3	2826.0000	44.10	28.18	-47.39	-70.37	-13.00	57.37	Horizontal
4	3532.5000	44.21	28.75	-47.50	-69.80	-13.00	56.80	Horizontal
5	4239.0000	44.75	29.84	-47.10	-67.77	-13.00	54.77	Horizontal
6	4945.5000	44.45	31.27	-46.98	-66.52	-13.00	53.52	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.0000	48.53	24.24	-49.11	-71.60	-13.00	58.60	Vertical
2	2119.5000	44.13	26.49	-48.22	-72.86	-13.00	59.86	Vertical
3	2826.0000	44.46	28.18	-47.39	-70.01	-13.00	57.01	Vertical
4	3532.5000	44.37	28.75	-47.50	-69.64	-13.00	56.64	Vertical
5	4239.0000	44.21	29.84	-47.10	-68.31	-13.00	55.31	Vertical
6	4945.5000	44.01	31.27	-46.98	-66.96	-13.00	53.96	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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

---End of Attachment---



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