

Appendix P for KSCR2205000668AT-FCC-LTE-Band14

1. Effective (Isotropic) Radiated Power Output Data

1.1 B14_5MHz_ERP

1.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNv									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	790.5	1	0	23.64	-4.02	17.47	<=34.77	Pass	
			13	23.70	-4.02	17.53	<=34.77	Pass	
			24	23.37	-4.02	17.20	<=34.77	Pass	
		12	0	22.59	-4.02	16.42	<=34.77	Pass	
			6	22.51	-4.02	16.34	<=34.77	Pass	
			13	22.34	-4.02	16.17	<=34.77	Pass	
		25	0	22.40	-4.02	16.23	<=34.77	Pass	
			6	23.58	-4.02	17.41	<=34.77	Pass	
			13	23.54	-4.02	17.37	<=34.77	Pass	
	793	1	0	23.28	-4.02	17.11	<=34.77	Pass	
			24	22.48	-4.02	16.31	<=34.77	Pass	
			6	22.52	-4.02	16.35	<=34.77	Pass	
		12	13	22.45	-4.02	16.28	<=34.77	Pass	
			0	22.42	-4.02	16.25	<=34.77	Pass	
			25	0	22.42	-4.02	16.25	<=34.77	Pass
		795.5	1	0	23.51	-4.02	17.34	<=34.77	Pass
				13	23.62	-4.02	17.45	<=34.77	Pass
				24	23.25	-4.02	17.08	<=34.77	Pass
	12		0	22.43	-4.02	16.26	<=34.77	Pass	
			6	22.56	-4.02	16.39	<=34.77	Pass	
			13	22.48	-4.02	16.31	<=34.77	Pass	
	25		0	22.46	-4.02	16.29	<=34.77	Pass	
			0	22.28	-4.02	16.11	<=34.77	Pass	
			13	22.27	-4.02	16.10	<=34.77	Pass	
16QAM	790.5	1	24	22.05	-4.02	15.88	<=34.77	Pass	
			0	21.46	-4.02	15.29	<=34.77	Pass	
			6	21.61	-4.02	15.44	<=34.77	Pass	
		12	13	21.56	-4.02	15.39	<=34.77	Pass	
			0	21.54	-4.02	15.37	<=34.77	Pass	
			25	0	21.54	-4.02	15.37	<=34.77	Pass
		793	1	0	22.64	-4.02	16.47	<=34.77	Pass
				13	22.63	-4.02	16.46	<=34.77	Pass
				24	22.57	-4.02	16.40	<=34.77	Pass
	12		0	21.52	-4.02	15.35	<=34.77	Pass	
			6	21.51	-4.02	15.34	<=34.77	Pass	
			13	21.45	-4.02	15.28	<=34.77	Pass	
	25		0	21.52	-4.02	15.35	<=34.77	Pass	
			0	22.40	-4.02	16.23	<=34.77	Pass	
			13	22.65	-4.02	16.48	<=34.77	Pass	
	795.5	1	24	22.25	-4.02	16.08	<=34.77	Pass	
			0	21.37	-4.02	15.20	<=34.77	Pass	
			6	21.46	-4.02	15.29	<=34.77	Pass	
		12	13	21.39	-4.02	15.22	<=34.77	Pass	

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64QAM	790.5	25	0	21.55	-4.02	15.38	<=34.77	Pass	
			1	0	21.52	-4.02	15.35	<=34.77	Pass
				13	21.50	-4.02	15.33	<=34.77	Pass
		12	24	21.37	-4.02	15.20	<=34.77	Pass	
			0	20.69	-4.02	14.52	<=34.77	Pass	
			6	20.73	-4.02	14.56	<=34.77	Pass	
	793	25	13	20.62	-4.02	14.45	<=34.77	Pass	
			1	0	20.70	-4.02	14.53	<=34.77	Pass
				0	21.67	-4.02	15.50	<=34.77	Pass
		12	13	21.75	-4.02	15.58	<=34.77	Pass	
			24	21.60	-4.02	15.43	<=34.77	Pass	
			0	20.60	-4.02	14.43	<=34.77	Pass	
	795.5	25	6	20.66	-4.02	14.49	<=34.77	Pass	
			1	13	20.58	-4.02	14.41	<=34.77	Pass
				0	20.62	-4.02	14.45	<=34.77	Pass
		12	0	21.65	-4.02	15.48	<=34.77	Pass	
			13	21.75	-4.02	15.58	<=34.77	Pass	
			24	21.55	-4.02	15.38	<=34.77	Pass	
	793	25	0	20.72	-4.02	14.55	<=34.77	Pass	
			1	6	20.75	-4.02	14.58	<=34.77	Pass
				13	20.61	-4.02	14.44	<=34.77	Pass
		12	0	20.55	-4.02	14.38	<=34.77	Pass	
			6	20.55	-4.02	14.38	<=34.77	Pass	
			13	20.55	-4.02	14.38	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B14_10MHz_ERP

1.2.1 Test Result

Band: 14 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	793	1	0	23.71	-4.02	17.54	<=34.77	Pass	
			25	23.74	-4.02	17.57	<=34.77	Pass	
			49	23.47	-4.02	17.30	<=34.77	Pass	
		25	0	22.47	-4.02	16.30	<=34.77	Pass	
			13	22.56	-4.02	16.39	<=34.77	Pass	
			25	22.42	-4.02	16.25	<=34.77	Pass	
	793	50	0	22.44	-4.02	16.27	<=34.77	Pass	
			1	0	23.67	-4.02	17.50	<=34.77	Pass
				25	23.63	-4.02	17.46	<=34.77	Pass
		25	49	23.20	-4.02	17.03	<=34.77	Pass	
			0	22.28	-4.02	16.11	<=34.77	Pass	
			13	22.40	-4.02	16.23	<=34.77	Pass	
	793	50	25	22.22	-4.02	16.05	<=34.77	Pass	
			0	22.39	-4.02	16.22	<=34.77	Pass	
			0	23.68	-4.02	17.51	<=34.77	Pass	
		1	25	23.52	-4.02	17.35	<=34.77	Pass	
			49	23.25	-4.02	17.08	<=34.77	Pass	
			0	22.34	-4.02	16.17	<=34.77	Pass	
	25	13	22.50	-4.02	16.33	<=34.77	Pass		
		25	22.28	-4.02	16.11	<=34.77	Pass		
		0	22.34	-4.02	16.17	<=34.77	Pass		

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16QAM	793	1	0	23.08	-4.02	16.91	<=34.77	Pass	
			25	23.06	-4.02	16.89	<=34.77	Pass	
			49	22.86	-4.02	16.69	<=34.77	Pass	
		25	0	21.41	-4.02	15.24	<=34.77	Pass	
			13	21.45	-4.02	15.28	<=34.77	Pass	
			25	21.57	-4.02	15.40	<=34.77	Pass	
	50	0	21.58	-4.02	15.41	<=34.77	Pass		
	793	1	0	22.89	-4.02	16.72	<=34.77	Pass	
			25	22.91	-4.02	16.74	<=34.77	Pass	
			49	22.72	-4.02	16.55	<=34.77	Pass	
		25	0	21.42	-4.02	15.25	<=34.77	Pass	
			13	21.47	-4.02	15.30	<=34.77	Pass	
			25	21.39	-4.02	15.22	<=34.77	Pass	
		50	0	21.48	-4.02	15.31	<=34.77	Pass	
		793	1	0	22.89	-4.02	16.72	<=34.77	Pass
				25	22.91	-4.02	16.74	<=34.77	Pass
	49			22.70	-4.02	16.53	<=34.77	Pass	
	25		0	21.37	-4.02	15.20	<=34.77	Pass	
13			21.57	-4.02	15.40	<=34.77	Pass		
25			21.43	-4.02	15.26	<=34.77	Pass		
50	0	21.51	-4.02	15.34	<=34.77	Pass			
64QAM	793	1	0	21.81	-4.02	15.64	<=34.77	Pass	
			25	21.90	-4.02	15.73	<=34.77	Pass	
			49	21.64	-4.02	15.47	<=34.77	Pass	
		25	0	20.67	-4.02	14.50	<=34.77	Pass	
			13	20.68	-4.02	14.51	<=34.77	Pass	
			25	20.57	-4.02	14.40	<=34.77	Pass	
	50	0	20.67	-4.02	14.50	<=34.77	Pass		
	793	1	0	21.80	-4.02	15.63	<=34.77	Pass	
			25	21.82	-4.02	15.65	<=34.77	Pass	
			49	21.72	-4.02	15.55	<=34.77	Pass	
		25	0	20.70	-4.02	14.53	<=34.77	Pass	
			13	20.69	-4.02	14.52	<=34.77	Pass	
			25	20.57	-4.02	14.40	<=34.77	Pass	
		50	0	20.65	-4.02	14.48	<=34.77	Pass	
		793	1	0	21.86	-4.02	15.69	<=34.77	Pass
				25	21.80	-4.02	15.63	<=34.77	Pass
	49			21.60	-4.02	15.43	<=34.77	Pass	
	25		0	20.70	-4.02	14.53	<=34.77	Pass	
13			20.68	-4.02	14.51	<=34.77	Pass		
25			20.54	-4.02	14.37	<=34.77	Pass		
50	0	20.66	-4.02	14.49	<=34.77	Pass			

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B14_5MHz

2.1.1 Test Result

Band: 14 / Bandwidth: 5MHz



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Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	790.5	25	0	20	3.46	-8.741	-0.0111	-2.5 to 2.5	Pass	
					3.8	-10.648	-0.0135	-2.5 to 2.5	Pass	
					4.35	-6.167	-0.0078	-2.5 to 2.5	Pass	
				-30	3.8	-5.750	-0.0073	-2.5 to 2.5	Pass	
					-20	3.8	-10.106	-0.0128	-2.5 to 2.5	Pass
						-10	3.8	-10.637	-0.0135	-2.5 to 2.5
				0	3.8	-10.681	-0.0135	-2.5 to 2.5	Pass	
					10	3.8	-12.187	-0.0154	-2.5 to 2.5	Pass
				30	3.8	-8.528	-0.0108	-2.5 to 2.5	Pass	
	40	3.8	-9.295	-0.0118	-2.5 to 2.5	Pass				
	50	3.8	-9.261	-0.0117	-2.5 to 2.5	Pass				
	793	25	0	20	3.46	-4.314	-0.0054	-2.5 to 2.5	Pass	
					3.8	-7.040	-0.0089	-2.5 to 2.5	Pass	
					4.35	-4.504	-0.0057	-2.5 to 2.5	Pass	
				-30	3.8	-2.924	-0.0037	-2.5 to 2.5	Pass	
					-20	3.8	-3.409	-0.0043	-2.5 to 2.5	Pass
						-10	3.8	-2.543	-0.0032	-2.5 to 2.5
				0	3.8	-8.431	-0.0106	-2.5 to 2.5	Pass	
					10	3.8	-5.694	-0.0072	-2.5 to 2.5	Pass
				30	3.8	-5.372	-0.0068	-2.5 to 2.5	Pass	
	40	3.8	-3.254	-0.0041	-2.5 to 2.5	Pass				
	50	3.8	-3.252	-0.0041	-2.5 to 2.5	Pass				
	795.5	25	0	20	3.46	-7.689	-0.0097	-2.5 to 2.5	Pass	
					3.8	-10.226	-0.0129	-2.5 to 2.5	Pass	
					4.35	-8.244	-0.0104	-2.5 to 2.5	Pass	
				-30	3.8	-9.104	-0.0114	-2.5 to 2.5	Pass	
					-20	3.8	-8.771	-0.0110	-2.5 to 2.5	Pass
-10						3.8	-10.294	-0.0129	-2.5 to 2.5	Pass
0				3.8	-6.462	-0.0081	-2.5 to 2.5	Pass		
				10	3.8	-8.576	-0.0108	-2.5 to 2.5	Pass	
30				3.8	-10.508	-0.0132	-2.5 to 2.5	Pass		
40	3.8	-3.995	-0.0050	-2.5 to 2.5	Pass					
50	3.8	-1.960	-0.0025	-2.5 to 2.5	Pass					
16QAM	790.5	25	0	20	3.46	-12.905	-0.0163	-2.5 to 2.5	Pass	
					3.8	-12.299	-0.0156	-2.5 to 2.5	Pass	
					4.35	-11.284	-0.0143	-2.5 to 2.5	Pass	
				-30	3.8	-11.848	-0.0150	-2.5 to 2.5	Pass	
					-20	3.8	-10.537	-0.0133	-2.5 to 2.5	Pass
						-10	3.8	-8.119	-0.0103	-2.5 to 2.5
				0	3.8	-10.895	-0.0138	-2.5 to 2.5	Pass	
					10	3.8	-10.780	-0.0136	-2.5 to 2.5	Pass
				30	3.8	-12.799	-0.0162	-2.5 to 2.5	Pass	
	40	3.8	-6.534	-0.0083	-2.5 to 2.5	Pass				
	50	3.8	-6.578	-0.0083	-2.5 to 2.5	Pass				
	793	25	0	20	3.46	-6.512	-0.0082	-2.5 to 2.5	Pass	
					3.8	-8.862	-0.0112	-2.5 to 2.5	Pass	
					4.35	-9.084	-0.0115	-2.5 to 2.5	Pass	
				-30	3.8	-9.186	-0.0116	-2.5 to 2.5	Pass	
					-20	3.8	-3.391	-0.0043	-2.5 to 2.5	Pass
						-10	3.8	-6.641	-0.0084	-2.5 to 2.5
				0	3.8	-8.343	-0.0105	-2.5 to 2.5	Pass	
10					3.8	-6.517	-0.0082	-2.5 to 2.5	Pass	

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	795.5	25	0	30	3.8	-3.208	-0.0040	-2.5 to 2.5	Pass				
				40	3.8	-6.563	-0.0083	-2.5 to 2.5	Pass				
				50	3.8	-5.816	-0.0073	-2.5 to 2.5	Pass				
				20	3.46	-4.434	-0.0056	-2.5 to 2.5	Pass				
					3.8	-2.930	-0.0037	-2.5 to 2.5	Pass				
					4.35	-7.027	-0.0088	-2.5 to 2.5	Pass				
				-30	3.8	-0.861	-0.0011	-2.5 to 2.5	Pass				
				-20	3.8	-7.464	-0.0094	-2.5 to 2.5	Pass				
				-10	3.8	-7.009	-0.0088	-2.5 to 2.5	Pass				
				0	3.8	-4.245	-0.0053	-2.5 to 2.5	Pass				
				10	3.8	-3.788	-0.0048	-2.5 to 2.5	Pass				
				30	3.8	-3.834	-0.0048	-2.5 to 2.5	Pass				
				40	3.8	-6.152	-0.0077	-2.5 to 2.5	Pass				
50	3.8	-5.634	-0.0071	-2.5 to 2.5	Pass								
64QAM	790.5	25	0	20	3.46	-7.496	-0.0095	-2.5 to 2.5	Pass				
					3.8	-11.931	-0.0151	-2.5 to 2.5	Pass				
					4.35	-6.324	-0.0080	-2.5 to 2.5	Pass				
				-30	3.8	-13.389	-0.0169	-2.5 to 2.5	Pass				
				-20	3.8	-10.146	-0.0128	-2.5 to 2.5	Pass				
				-10	3.8	-9.777	-0.0124	-2.5 to 2.5	Pass				
				0	3.8	-5.964	-0.0075	-2.5 to 2.5	Pass				
				10	3.8	-8.763	-0.0111	-2.5 to 2.5	Pass				
				30	3.8	-9.955	-0.0126	-2.5 to 2.5	Pass				
				40	3.8	-6.310	-0.0080	-2.5 to 2.5	Pass				
				50	3.8	-2.298	-0.0029	-2.5 to 2.5	Pass				
				64QAM	793	25	0	20	3.46	-6.141	-0.0077	-2.5 to 2.5	Pass
									3.8	-6.879	-0.0087	-2.5 to 2.5	Pass
4.35	-6.566	-0.0083	-2.5 to 2.5						Pass				
-30	3.8	-6.158	-0.0078					-2.5 to 2.5	Pass				
-20	3.8	-1.567	-0.0020					-2.5 to 2.5	Pass				
-10	3.8	-8.975	-0.0113					-2.5 to 2.5	Pass				
0	3.8	-10.412	-0.0131					-2.5 to 2.5	Pass				
10	3.8	-8.736	-0.0110					-2.5 to 2.5	Pass				
30	3.8	-8.211	-0.0104					-2.5 to 2.5	Pass				
40	3.8	-8.947	-0.0113					-2.5 to 2.5	Pass				
50	3.8	-9.382	-0.0118					-2.5 to 2.5	Pass				
64QAM	795.5	25	0					20	3.46	-6.114	-0.0077	-2.5 to 2.5	Pass
									3.8	-1.769	-0.0022	-2.5 to 2.5	Pass
				4.35	-2.383	-0.0030	-2.5 to 2.5		Pass				
				-30	3.8	-3.554	-0.0045	-2.5 to 2.5	Pass				
				-20	3.8	1.459	0.0018	-2.5 to 2.5	Pass				
				-10	3.8	-1.176	-0.0015	-2.5 to 2.5	Pass				
				0	3.8	-9.548	-0.0120	-2.5 to 2.5	Pass				
				10	3.8	-1.406	-0.0018	-2.5 to 2.5	Pass				
				30	3.8	-4.522	-0.0057	-2.5 to 2.5	Pass				
				40	3.8	-7.460	-0.0094	-2.5 to 2.5	Pass				
				50	3.8	-6.339	-0.0080	-2.5 to 2.5	Pass				

2.2 B14_10MHZ

2.2.1 Test Result



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Band: 14 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	793	50	0	20	3.46	-7.852	-0.0099	-2.5 to 2.5	Pass	
					3.8	-5.089	-0.0064	-2.5 to 2.5	Pass	
					4.35	-6.008	-0.0076	-2.5 to 2.5	Pass	
				-30	3.8	-5.107	-0.0064	-2.5 to 2.5	Pass	
					-20	3.8	-7.039	-0.0089	-2.5 to 2.5	Pass
						-10	3.8	-6.776	-0.0085	-2.5 to 2.5
				0	3.8	-4.387	-0.0055	-2.5 to 2.5	Pass	
					10	3.8	-6.498	-0.0082	-2.5 to 2.5	Pass
					30	3.8	-9.616	-0.0121	-2.5 to 2.5	Pass
	793	50	0	20	3.46	-5.879	-0.0074	-2.5 to 2.5	Pass	
					3.8	-5.867	-0.0074	-2.5 to 2.5	Pass	
					4.35	-9.927	-0.0125	-2.5 to 2.5	Pass	
				-30	3.8	-5.769	-0.0073	-2.5 to 2.5	Pass	
					-20	3.8	-9.827	-0.0124	-2.5 to 2.5	Pass
						-10	3.8	-4.457	-0.0056	-2.5 to 2.5
				0	3.8	-7.838	-0.0099	-2.5 to 2.5	Pass	
					10	3.8	-5.956	-0.0075	-2.5 to 2.5	Pass
					30	3.8	-9.326	-0.0118	-2.5 to 2.5	Pass
	793	50	0	20	3.46	-5.711	-0.0072	-2.5 to 2.5	Pass	
					3.8	-2.281	-0.0029	-2.5 to 2.5	Pass	
					4.35	-4.527	-0.0057	-2.5 to 2.5	Pass	
				-30	3.8	-7.259	-0.0092	-2.5 to 2.5	Pass	
					-20	3.8	-5.121	-0.0065	-2.5 to 2.5	Pass
						-10	3.8	-5.625	-0.0071	-2.5 to 2.5
0				3.8	-9.434	-0.0119	-2.5 to 2.5	Pass		
				10	3.8	-5.964	-0.0075	-2.5 to 2.5	Pass	
				30	3.8	-6.961	-0.0088	-2.5 to 2.5	Pass	
16QAM	793	50	0	20	3.46	-3.827	-0.0048	-2.5 to 2.5	Pass	
					3.8	-9.175	-0.0116	-2.5 to 2.5	Pass	
					4.35	-12.053	-0.0152	-2.5 to 2.5	Pass	
				-30	3.8	-11.139	-0.0140	-2.5 to 2.5	Pass	
					-20	3.8	-4.457	-0.0056	-2.5 to 2.5	Pass
						-10	3.8	-5.859	-0.0074	-2.5 to 2.5
				0	3.8	-8.430	-0.0106	-2.5 to 2.5	Pass	
					10	3.8	-11.380	-0.0144	-2.5 to 2.5	Pass
					30	3.8	-11.537	-0.0145	-2.5 to 2.5	Pass
793	50	0	20	3.46	-9.237	-0.0116	-2.5 to 2.5	Pass		
				3.8	-9.508	-0.0120	-2.5 to 2.5	Pass		
				4.35	-8.008	-0.0101	-2.5 to 2.5	Pass		
			-30	3.8	-7.915	-0.0100	-2.5 to 2.5	Pass		
				-20	3.8	-10.080	-0.0127	-2.5 to 2.5	Pass	
					-10	3.8	-2.817	-0.0036	-2.5 to 2.5	Pass
			0	3.8	1.414	0.0018	-2.5 to 2.5	Pass		

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				10	3.8	-5.969	-0.0075	-2.5 to 2.5	Pass
				30	3.8	-5.028	-0.0063	-2.5 to 2.5	Pass
				40	3.8	-1.131	-0.0014	-2.5 to 2.5	Pass
				50	3.8	-3.453	-0.0044	-2.5 to 2.5	Pass
	793	50	0	20	3.46	-9.196	-0.0116	-2.5 to 2.5	Pass
					3.8	-2.272	-0.0029	-2.5 to 2.5	Pass
					4.35	-6.245	-0.0079	-2.5 to 2.5	Pass
				-30	3.8	-3.903	-0.0049	-2.5 to 2.5	Pass
				-20	3.8	-4.658	-0.0059	-2.5 to 2.5	Pass
				-10	3.8	-1.434	-0.0018	-2.5 to 2.5	Pass
				0	3.8	-4.914	-0.0062	-2.5 to 2.5	Pass
				10	3.8	-5.174	-0.0065	-2.5 to 2.5	Pass
				30	3.8	-2.467	-0.0031	-2.5 to 2.5	Pass
				40	3.8	-4.350	-0.0055	-2.5 to 2.5	Pass
50	3.8	-0.686	-0.0009	-2.5 to 2.5	Pass				
64QAM	793	50	0	20	3.46	-8.985	-0.0113	-2.5 to 2.5	Pass
					3.8	-9.694	-0.0122	-2.5 to 2.5	Pass
					4.35	-7.242	-0.0091	-2.5 to 2.5	Pass
				-30	3.8	-8.786	-0.0111	-2.5 to 2.5	Pass
				-20	3.8	-11.281	-0.0142	-2.5 to 2.5	Pass
				-10	3.8	-4.772	-0.0060	-2.5 to 2.5	Pass
				0	3.8	-10.113	-0.0128	-2.5 to 2.5	Pass
				10	3.8	-4.699	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-7.536	-0.0095	-2.5 to 2.5	Pass
				40	3.8	-8.700	-0.0110	-2.5 to 2.5	Pass
	50	3.8	-8.260	-0.0104	-2.5 to 2.5	Pass			
	793	50	0	20	3.46	-2.321	-0.0029	-2.5 to 2.5	Pass
					3.8	-2.006	-0.0025	-2.5 to 2.5	Pass
					4.35	-0.888	-0.0011	-2.5 to 2.5	Pass
-30				3.8	-11.811	-0.0149	-2.5 to 2.5	Pass	
-20	3.8	-10.313	-0.0130	-2.5 to 2.5	Pass				
-10	3.8	-7.391	-0.0093	-2.5 to 2.5	Pass				
0	3.8	-8.905	-0.0112	-2.5 to 2.5	Pass				
10	3.8	-8.806	-0.0111	-2.5 to 2.5	Pass				
30	3.8	-12.205	-0.0154	-2.5 to 2.5	Pass				
40	3.8	-5.346	-0.0067	-2.5 to 2.5	Pass				
50	3.8	-4.692	-0.0059	-2.5 to 2.5	Pass				
793	50	0	20	3.46	-5.080	-0.0064	-2.5 to 2.5	Pass	
				3.8	-2.542	-0.0032	-2.5 to 2.5	Pass	
				4.35	-3.025	-0.0038	-2.5 to 2.5	Pass	
			-30	3.8	-7.934	-0.0100	-2.5 to 2.5	Pass	
			-20	3.8	-9.181	-0.0116	-2.5 to 2.5	Pass	
			-10	3.8	-7.779	-0.0098	-2.5 to 2.5	Pass	
			0	3.8	-8.800	-0.0111	-2.5 to 2.5	Pass	
			10	3.8	-7.895	-0.0100	-2.5 to 2.5	Pass	
			30	3.8	-7.133	-0.0090	-2.5 to 2.5	Pass	
			40	3.8	-5.512	-0.0070	-2.5 to 2.5	Pass	
50	3.8	-7.877	-0.0099	-2.5 to 2.5	Pass				

3. Modulation Characteristics

3.1 B14_5MHz



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3.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	793	25	0	Refer To Test Graph		Pass
16QAM	793	25	0	Refer To Test Graph		Pass
64QAM	793	25	0	Refer To Test Graph		Pass

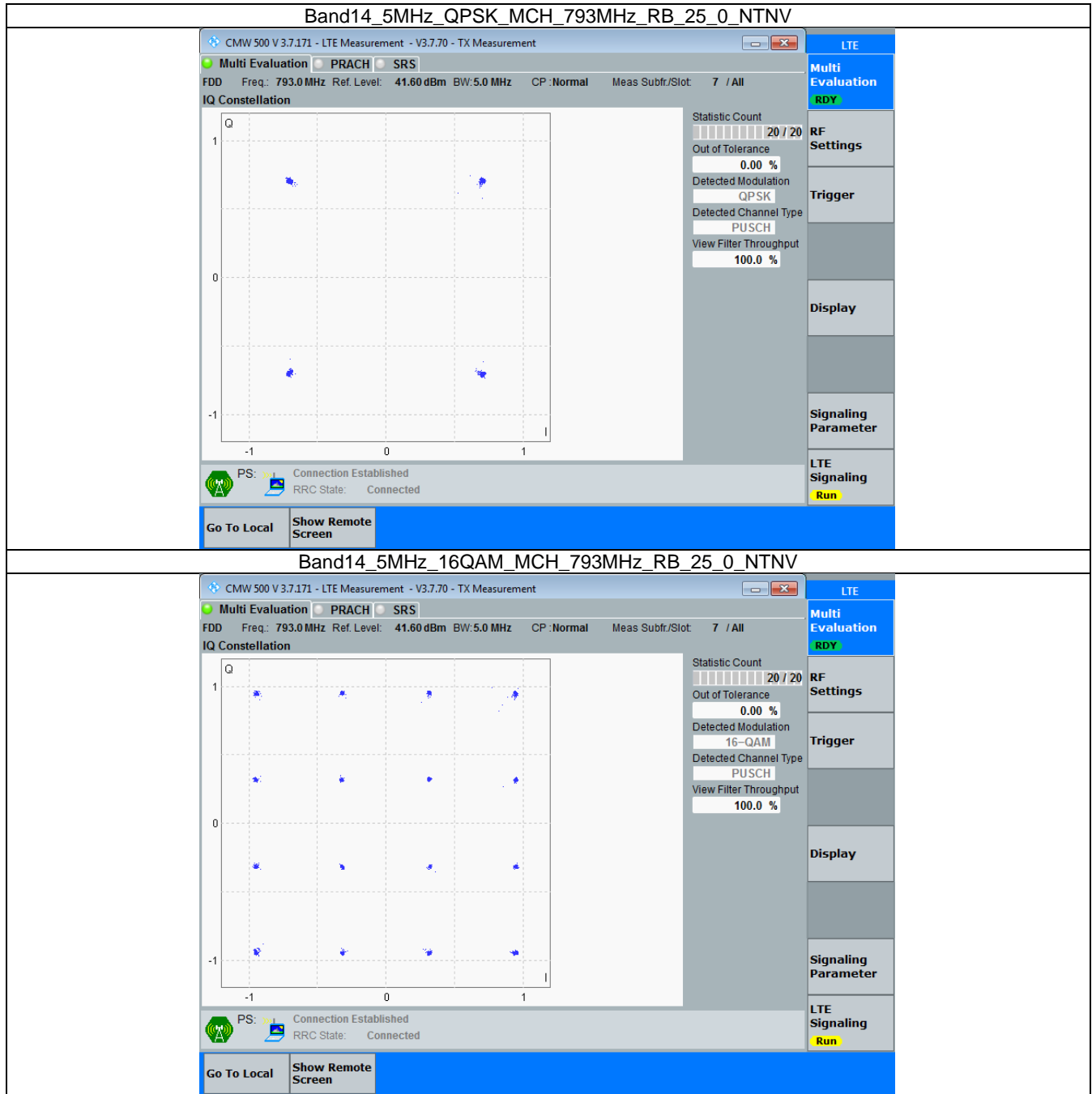


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3.1.2 Test Graph

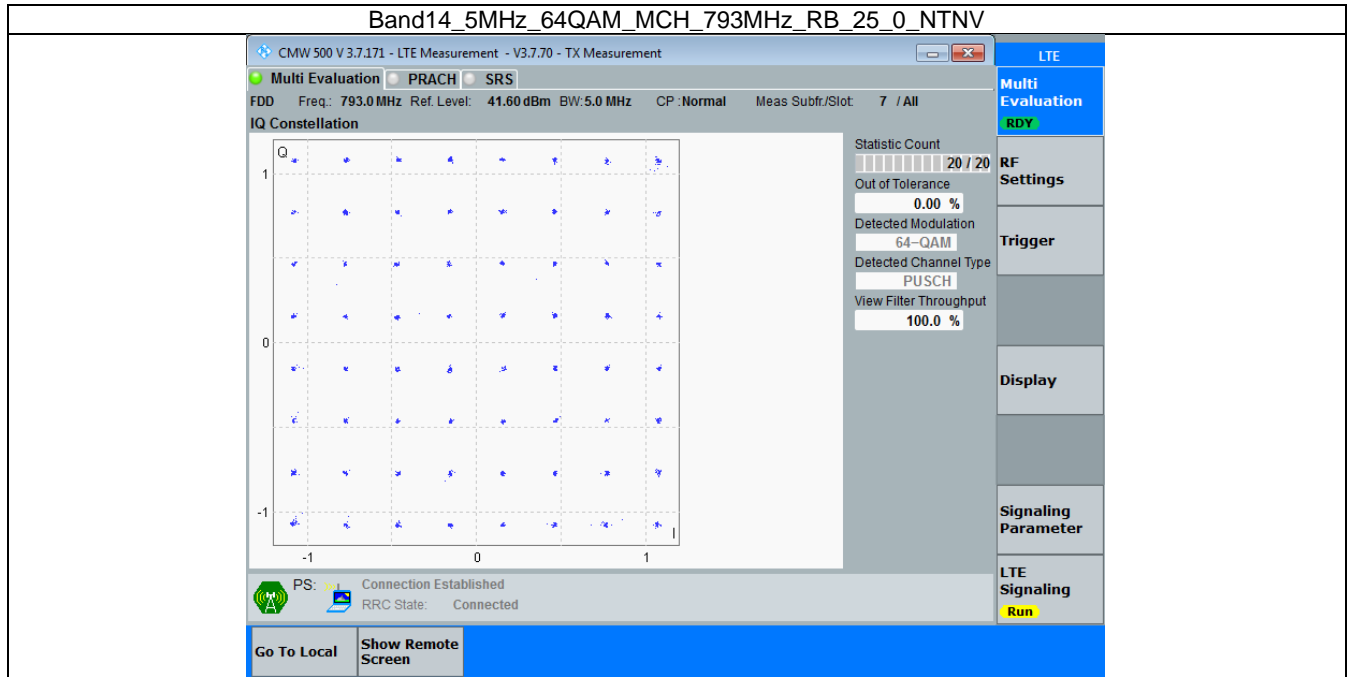


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3.2 B14_10MHz

3.2.1 Test Result

Band: 14 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	793	50	0	Refer To Test Graph		Pass
16QAM	793	50	0	Refer To Test Graph		Pass
64QAM	793	50	0	Refer To Test Graph		Pass

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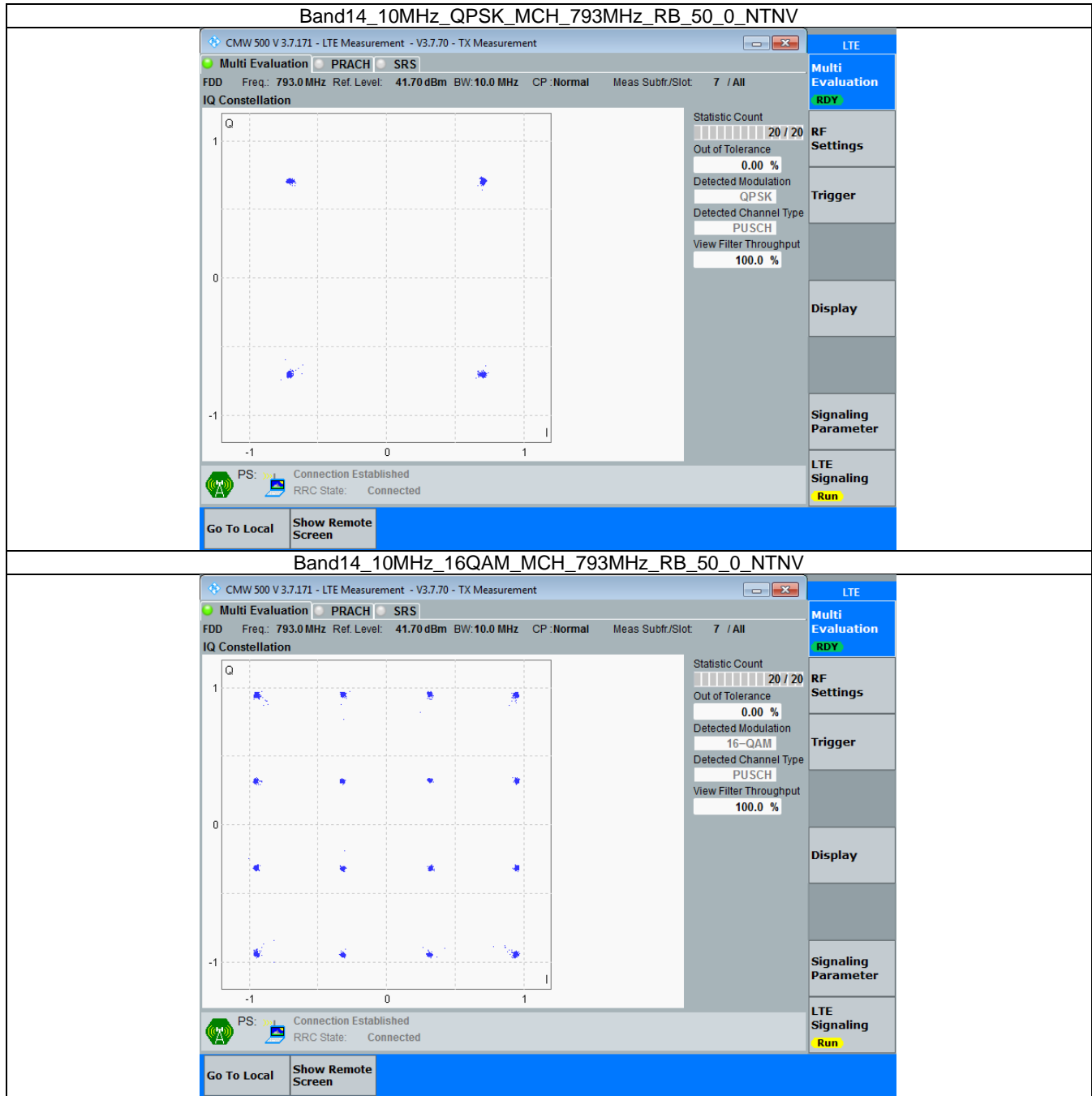
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3.2.2 Test Graph

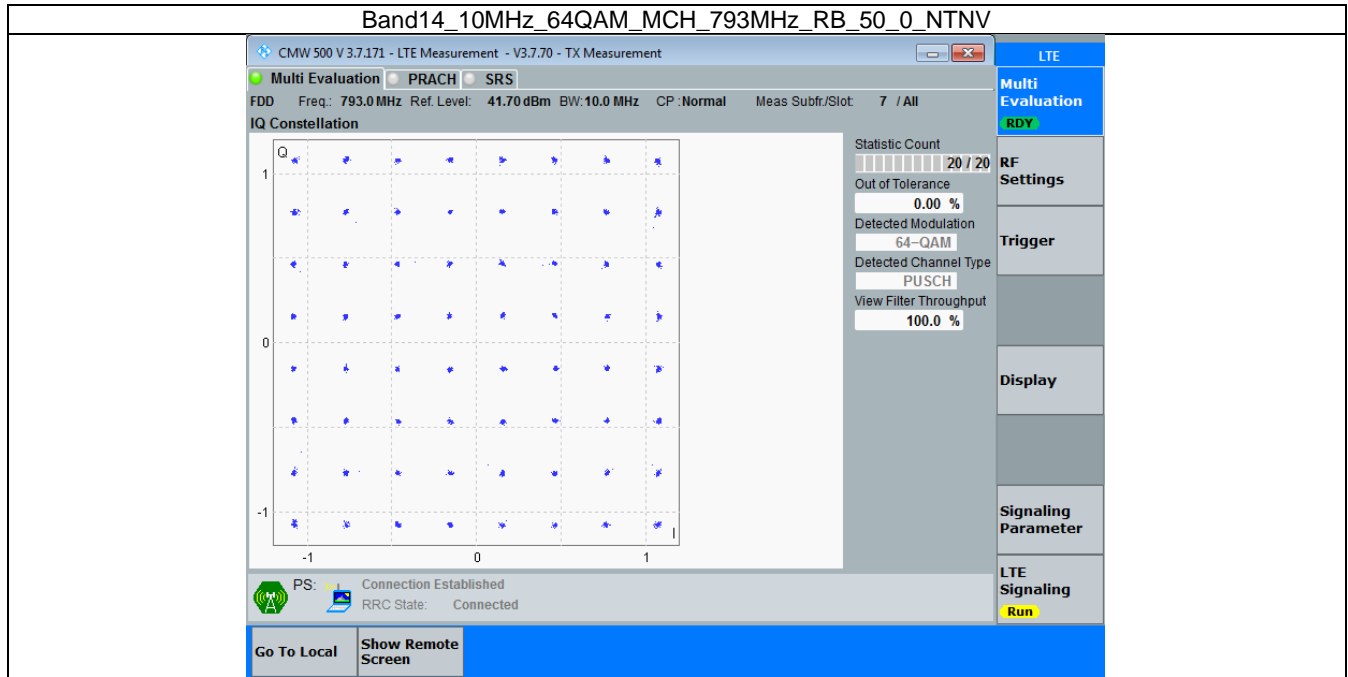


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4. 99% & 26dB Bandwidth

4.1 Band14_OBW

4.1.1 Test Result

Band: 14 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	790.5	25	0	4.579	Pass
		793	25	0	4.560	Pass
		795.5	25	0	4.553	Pass
	16QAM	790.5	25	0	4.572	Pass
		793	25	0	4.579	Pass
		795.5	25	0	4.560	Pass
	64QAM	790.5	25	0	4.566	Pass
		793	25	0	4.572	Pass
		795.5	25	0	4.571	Pass
10	QPSK	793	50	0	9.079	Pass
		793	50	0	9.081	Pass
		793	50	0	9.080	Pass
	16QAM	793	50	0	9.045	Pass
		793	50	0	9.048	Pass
		793	50	0	9.040	Pass
	64QAM	793	50	0	9.051	Pass
		793	50	0	9.068	Pass
		793	50	0	9.042	Pass



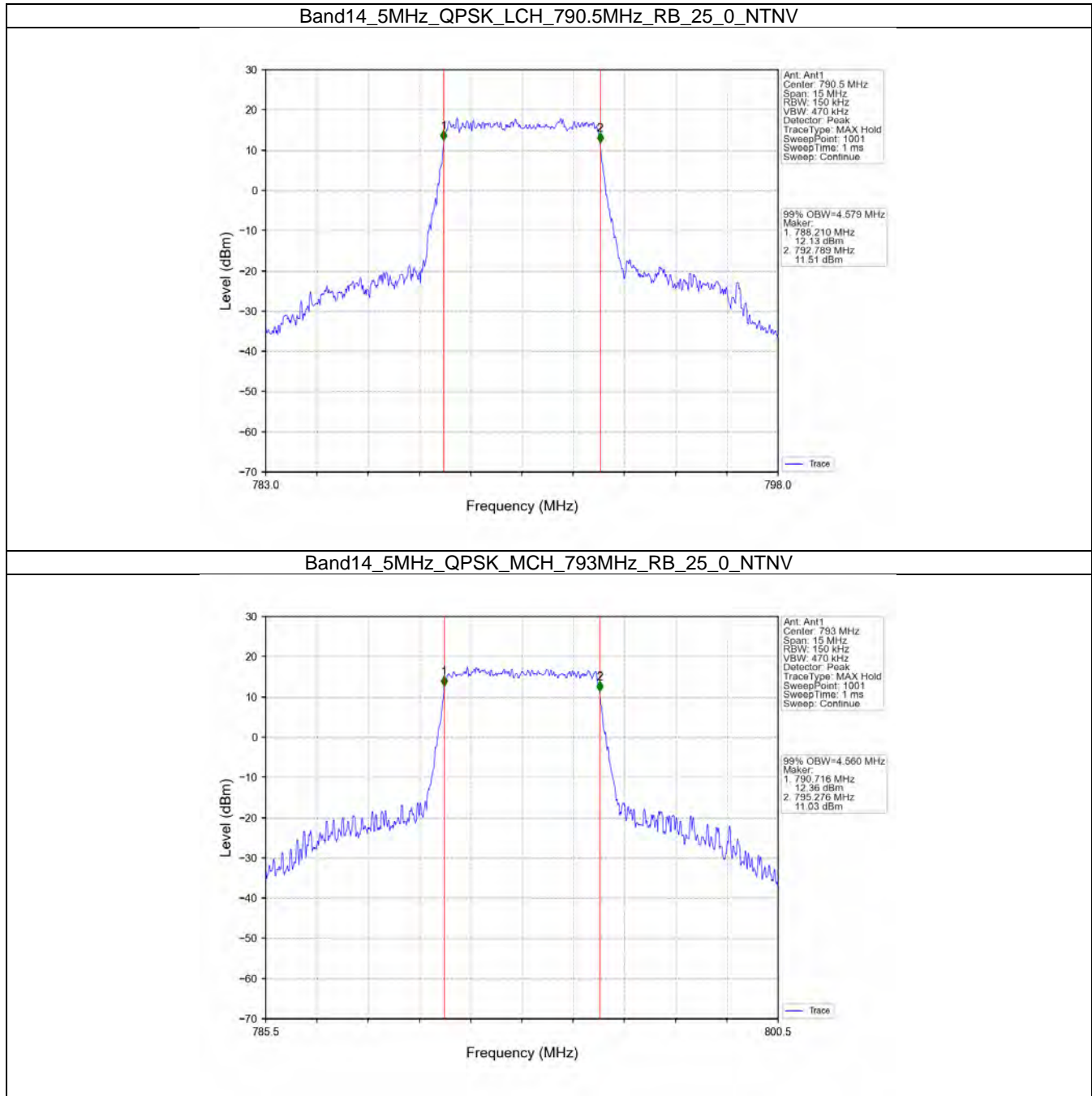
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4.1.2 Test Graph



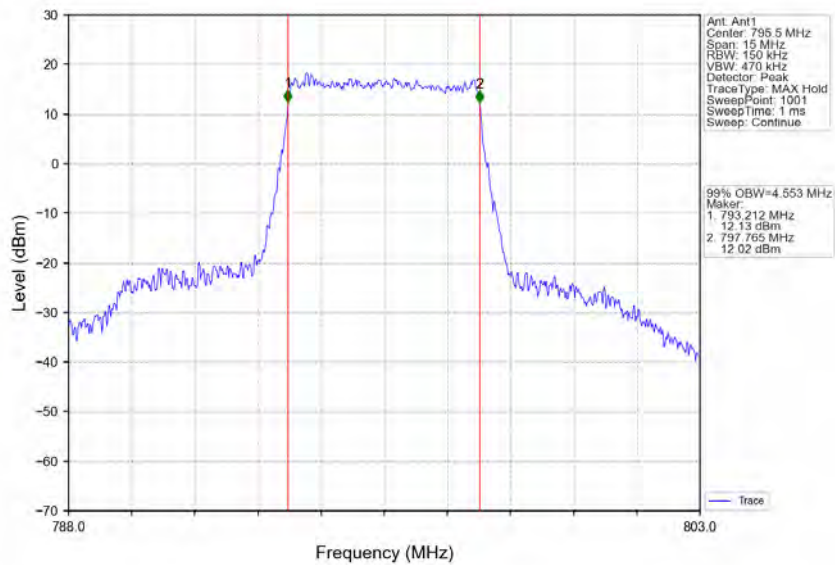
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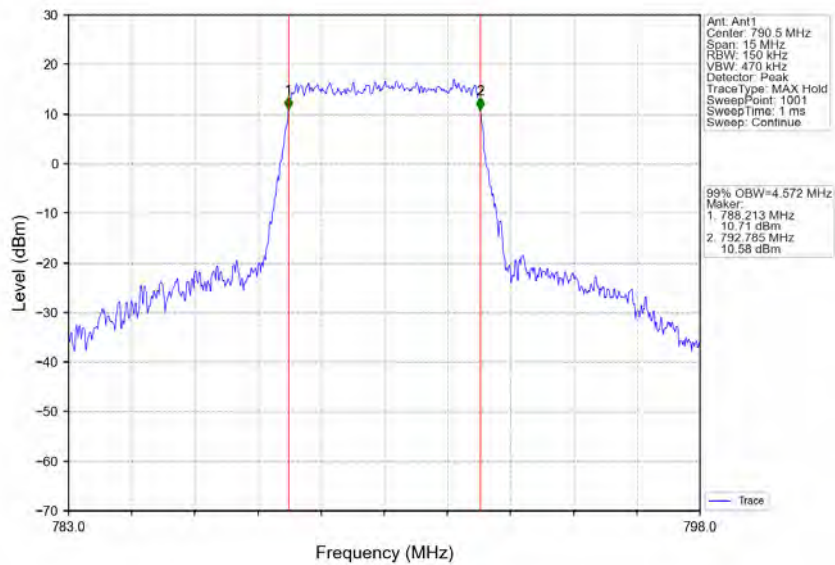
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Band14_5MHz_QPSK_HCH_795.5MHz_RB_25_0_NTNV



Band14_5MHz_16QAM_LCH_790.5MHz_RB_25_0_NTNV



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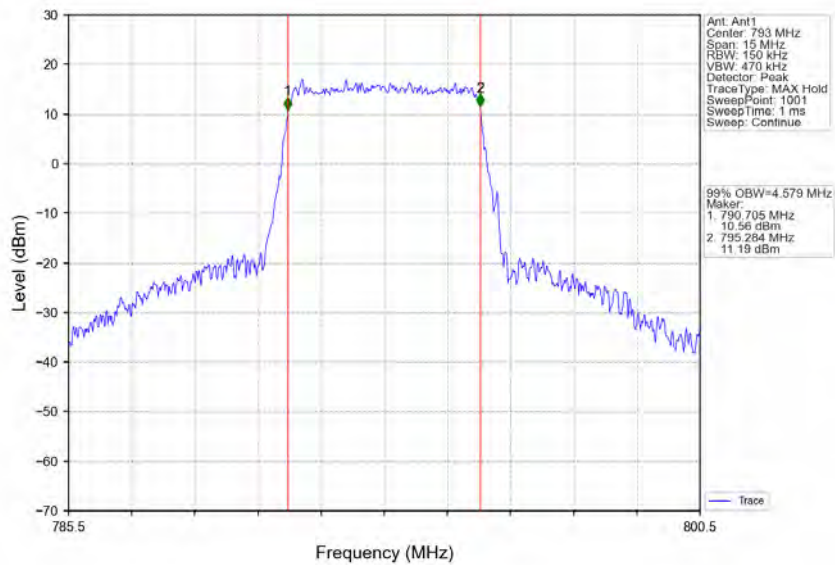
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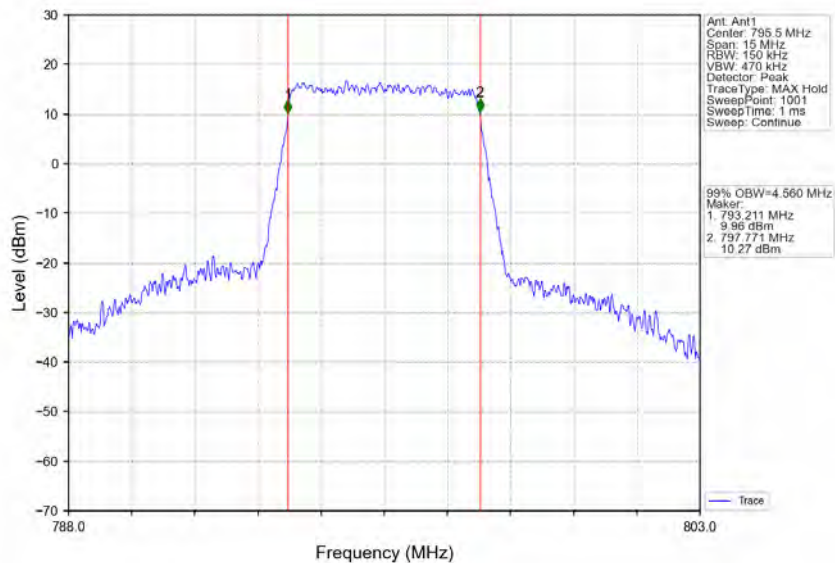
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Band14_5MHz_16QAM_HCH_795.5MHz_RB_25_0_NTNV



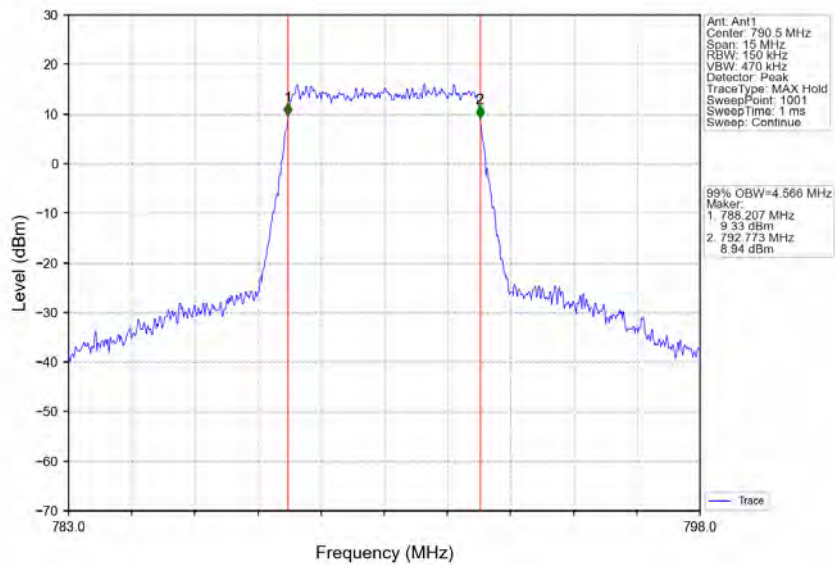
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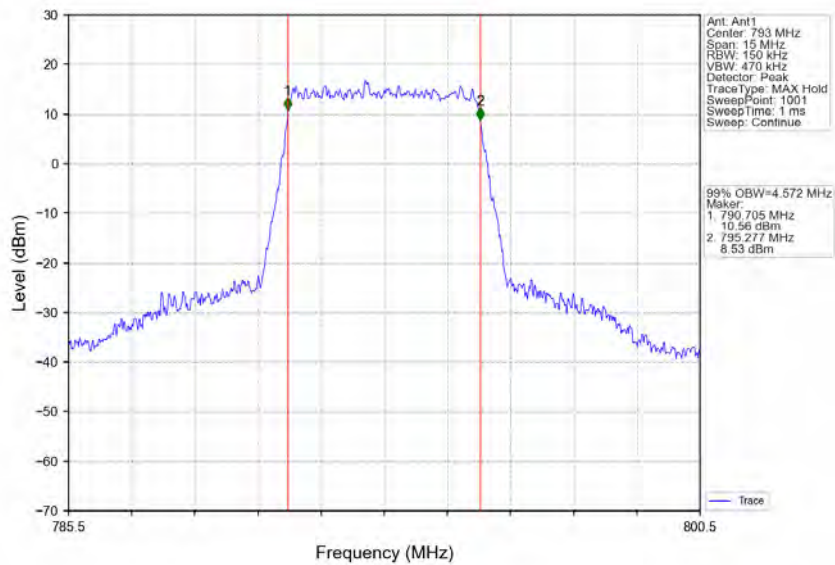
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Band14_5MHz_64QAM_MCH_793MHz_RB_25_0_NTNV



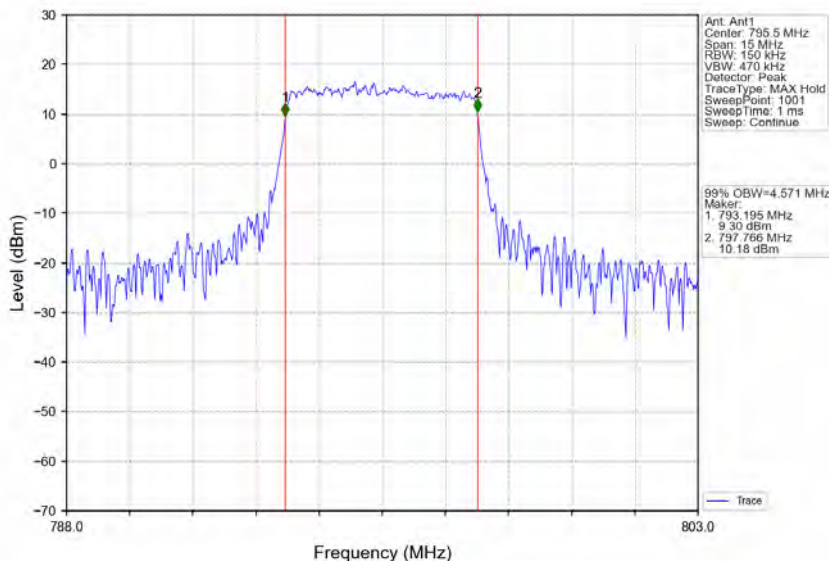
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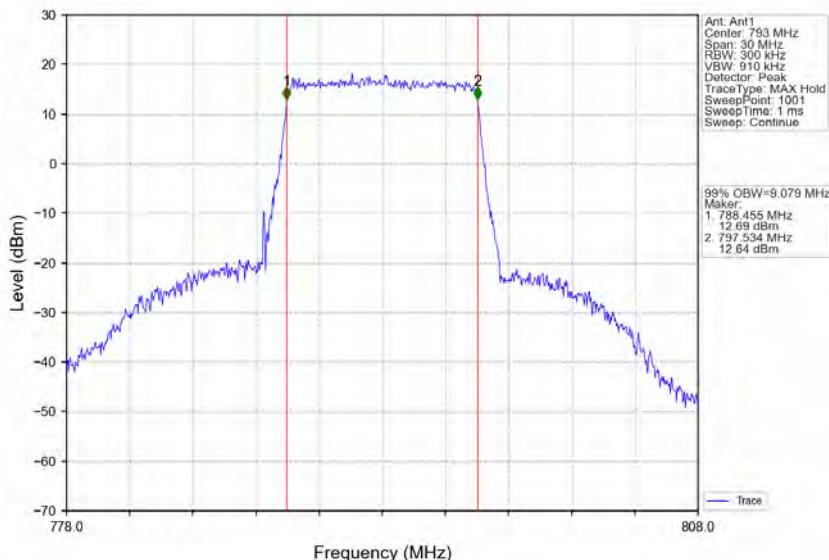
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Band14_10MHz_QPSK_LCH_793MHz_RB_50_0_NTNV



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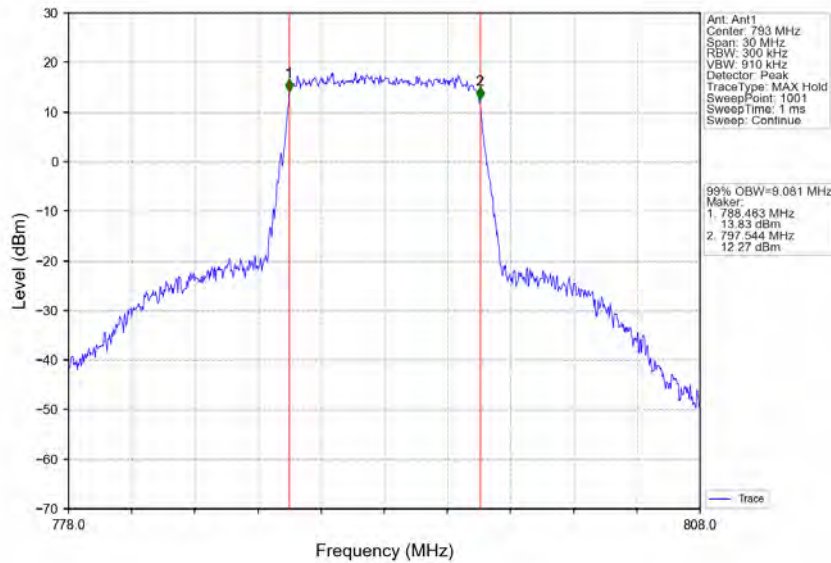
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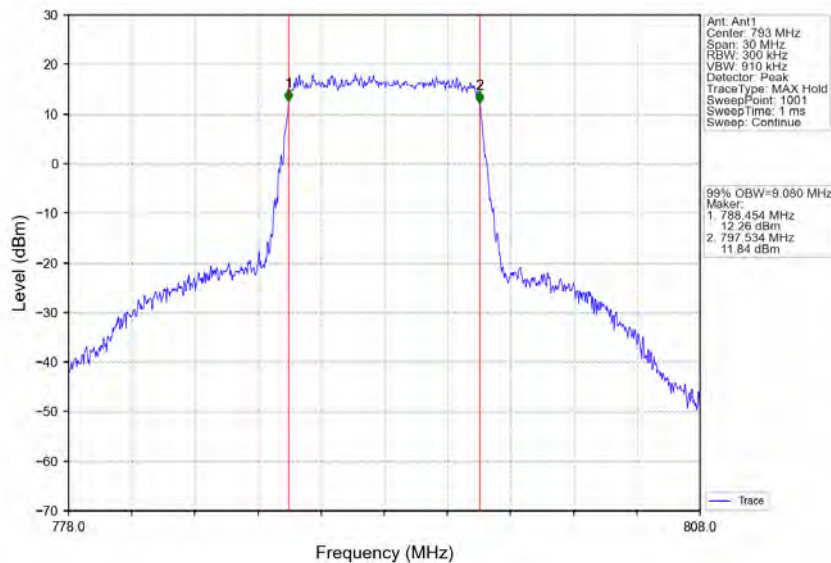
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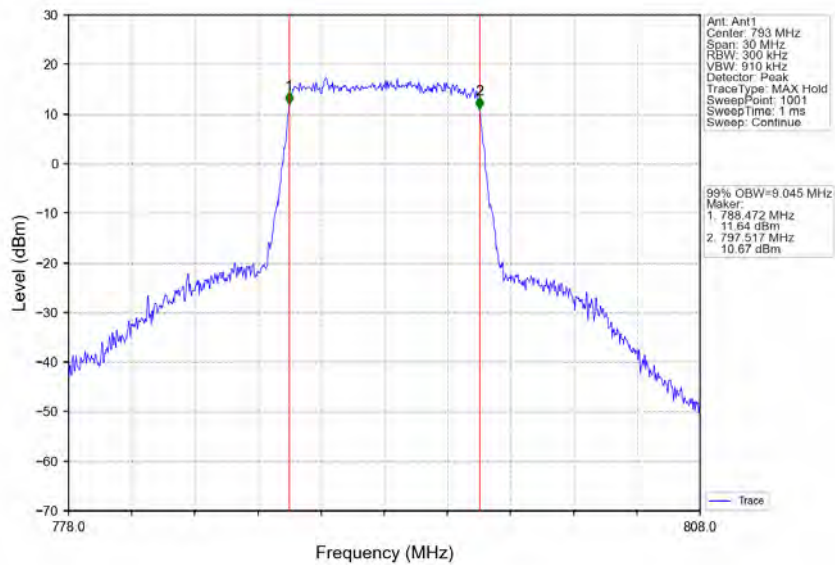
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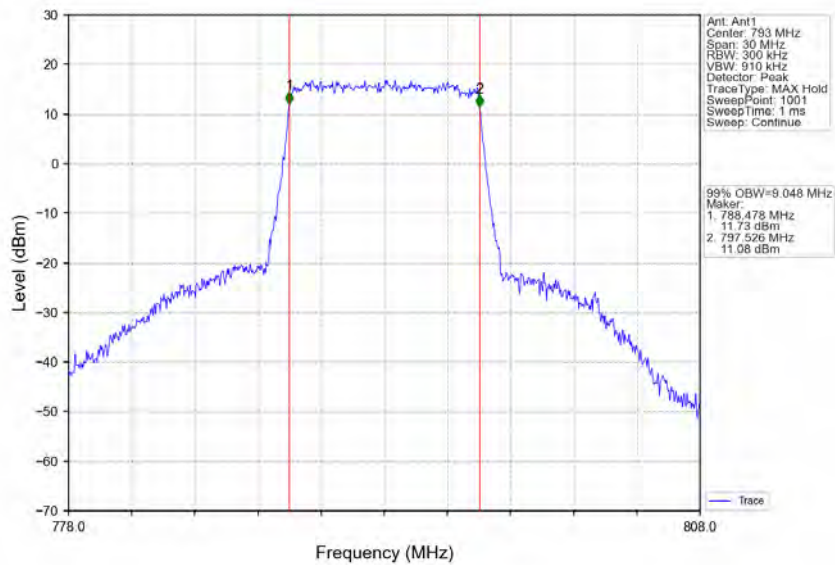
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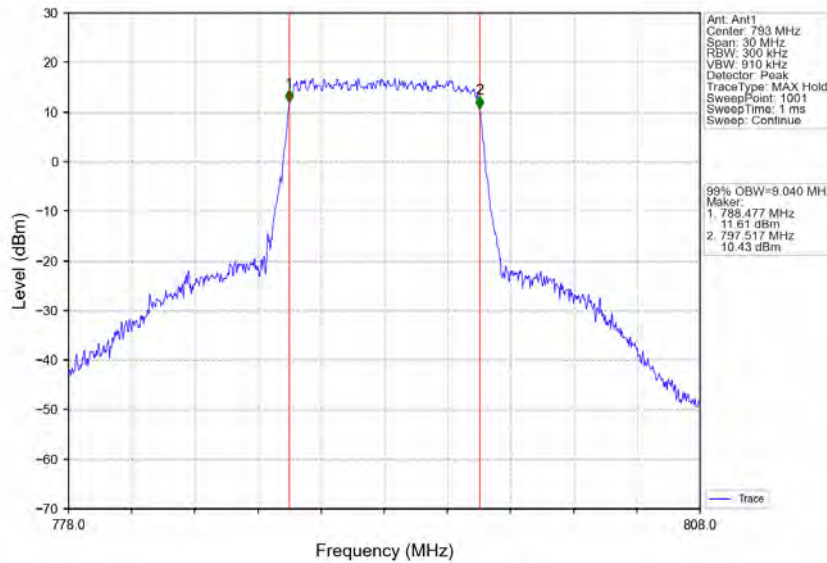
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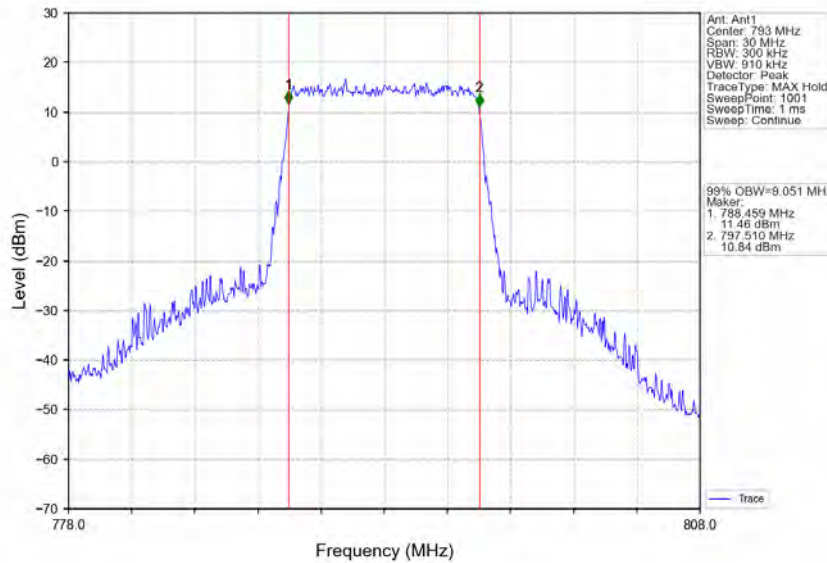
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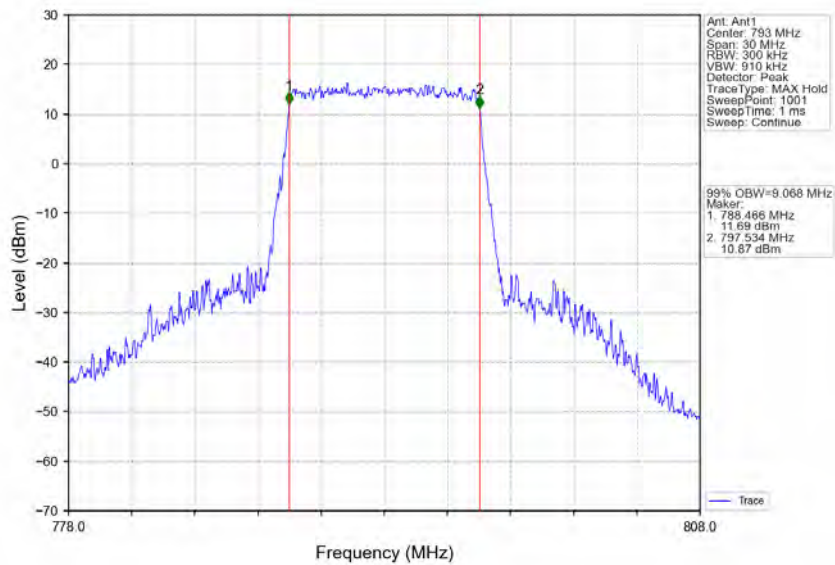
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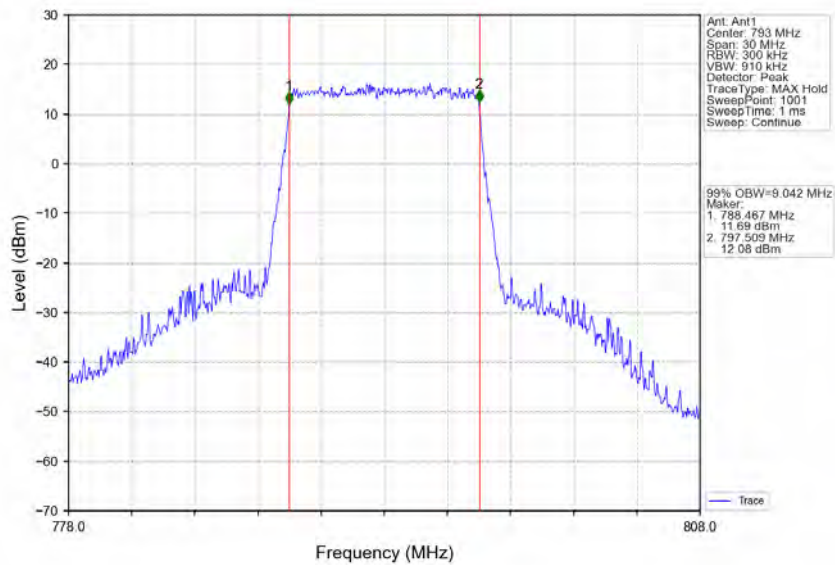
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4.2 Band14_XDB

4.2.1 Test Result

Band: 14 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	790.5	25	0	5.310	Pass
		793	25	0	5.236	Pass
		795.5	25	0	5.241	Pass
	16QAM	790.5	25	0	5.275	Pass
		793	25	0	5.332	Pass
		795.5	25	0	5.307	Pass
	64QAM	790.5	25	0	5.281	Pass
		793	25	0	5.248	Pass
		795.5	25	0	5.393	Pass
10	QPSK	793	50	0	10.267	Pass
		793	50	0	10.307	Pass
		793	50	0	10.296	Pass
	16QAM	793	50	0	10.175	Pass
		793	50	0	10.190	Pass
		793	50	0	10.204	Pass
	64QAM	793	50	0	10.256	Pass
		793	50	0	10.281	Pass
		793	50	0	10.203	Pass

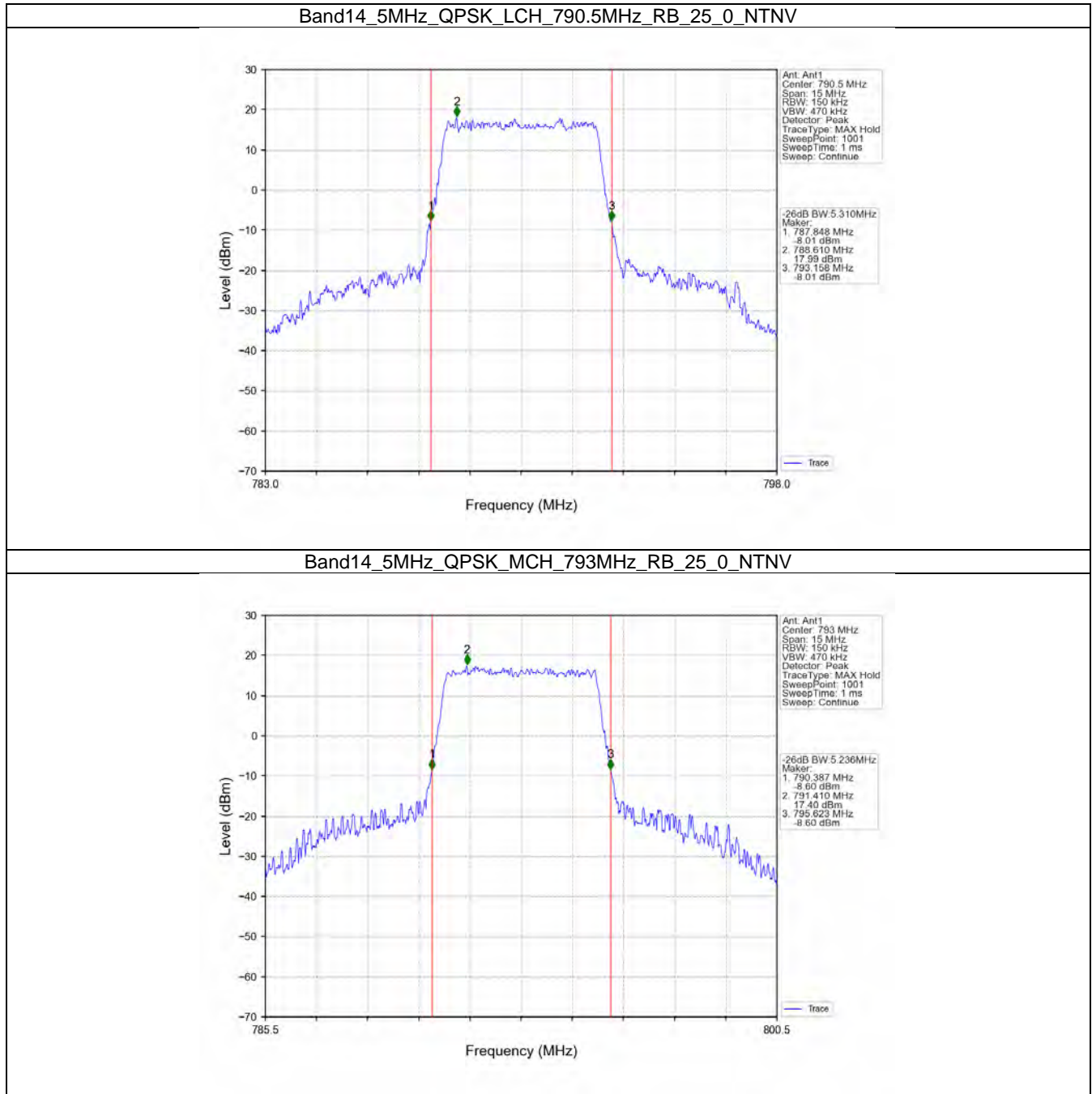


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4.2.2 Test Graph



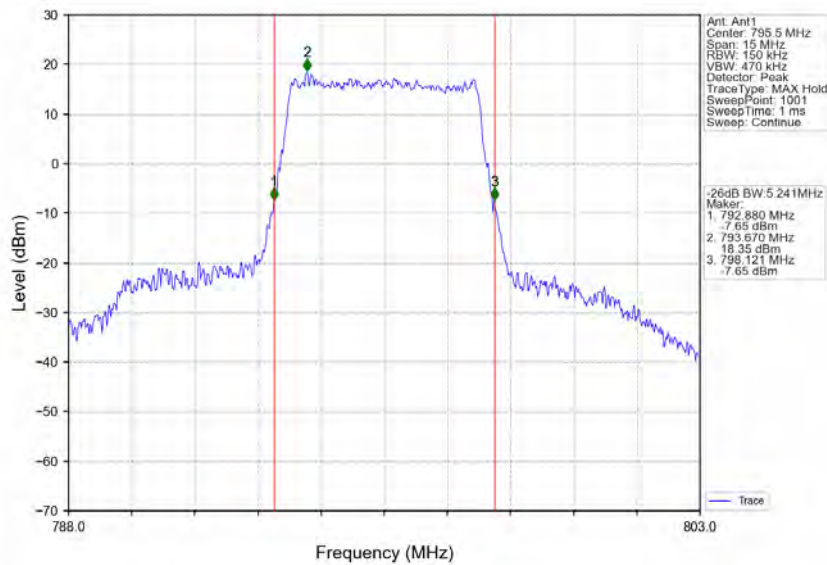
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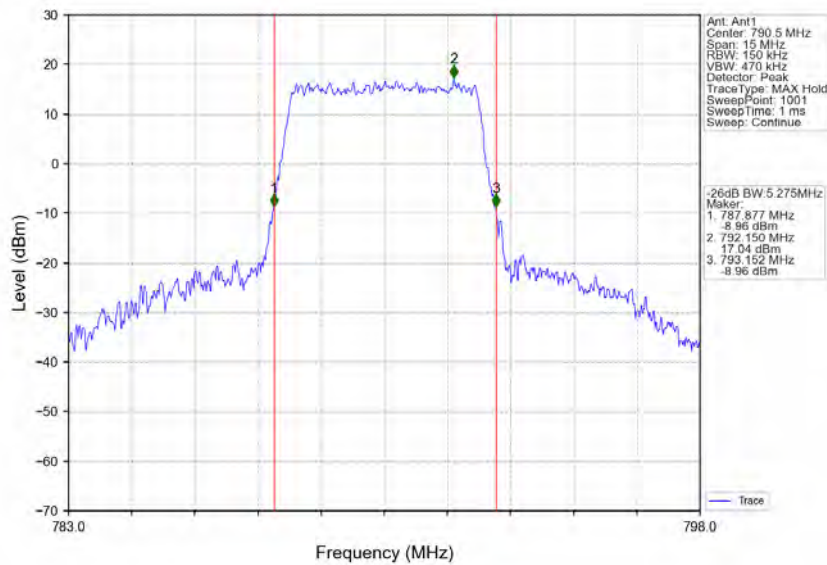
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Band14_5MHz_16QAM_LCH_790.5MHz_RB_25_0_NTNV



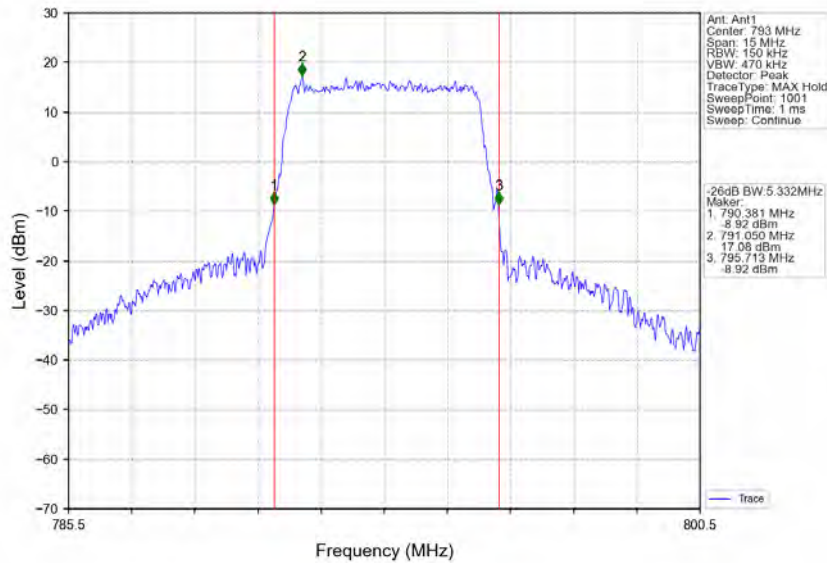
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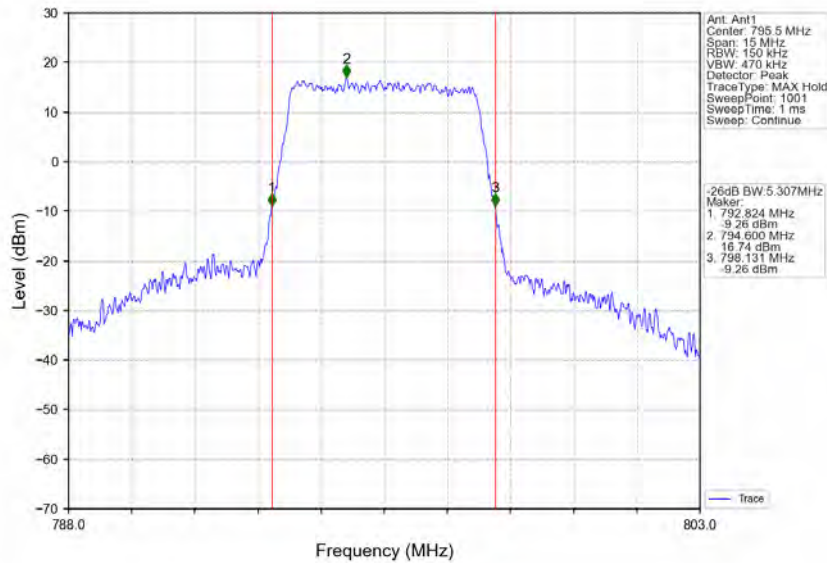
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Band14_5MHz_16QAM_HCH_795.5MHz_RB_25_0_NTNV



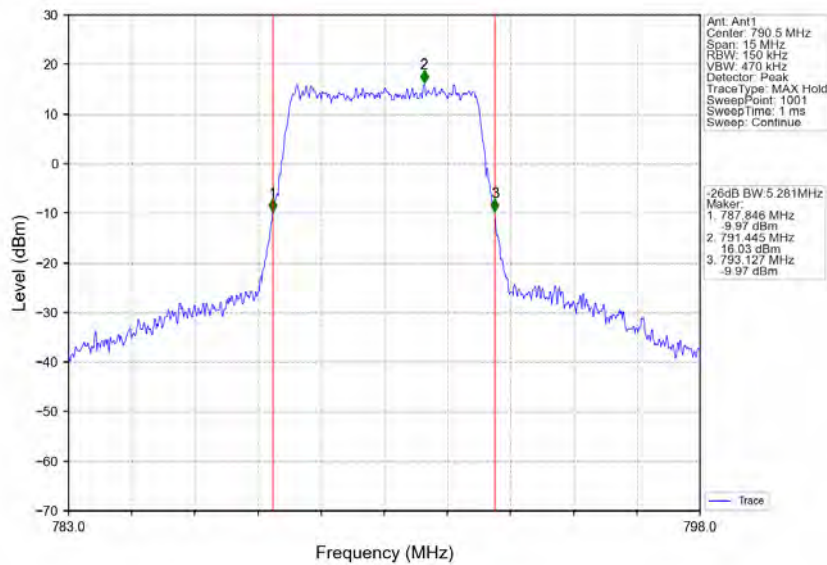
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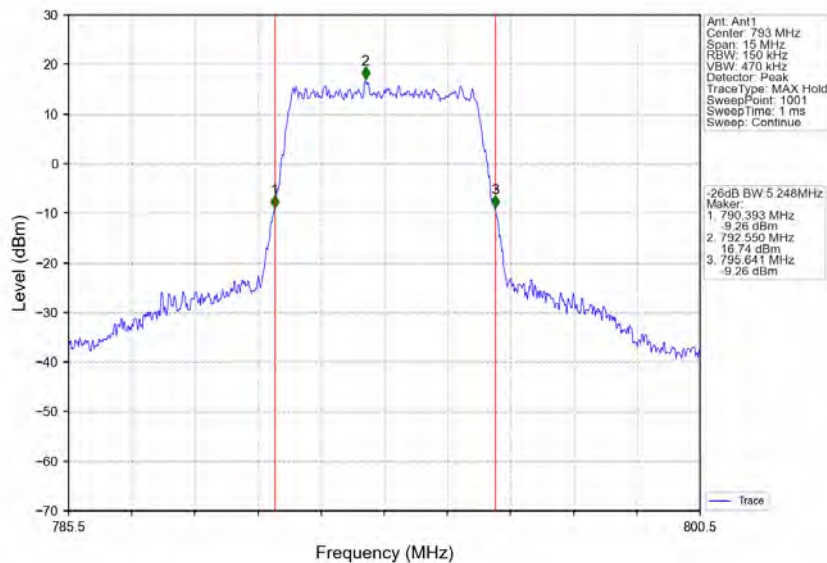
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Band14_5MHz_64QAM_MCH_793MHz_RB_25_0_NTNV



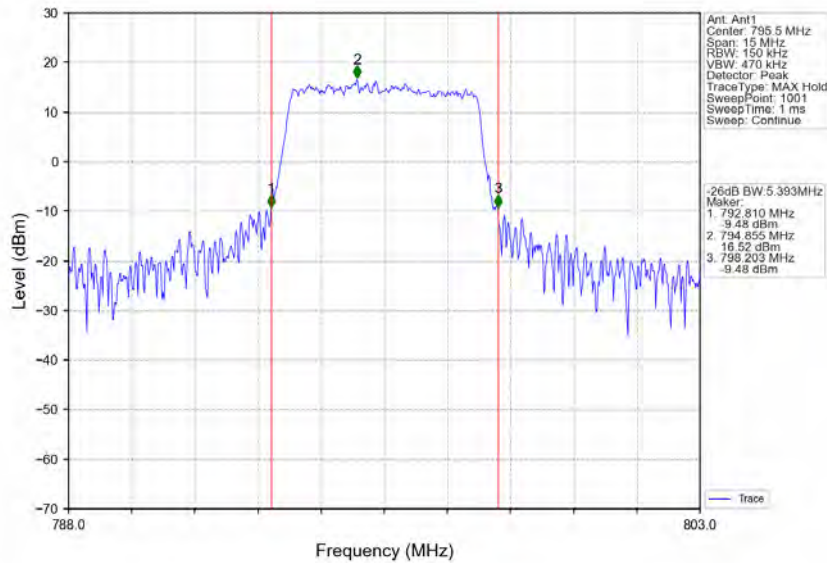
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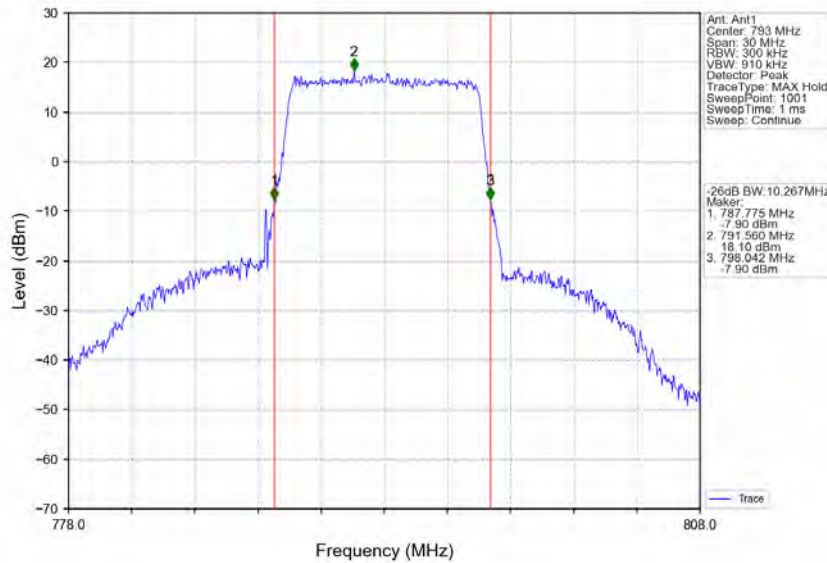
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Band14_10MHz_QPSK_LCH_793MHz_RB_50_0_NTNV



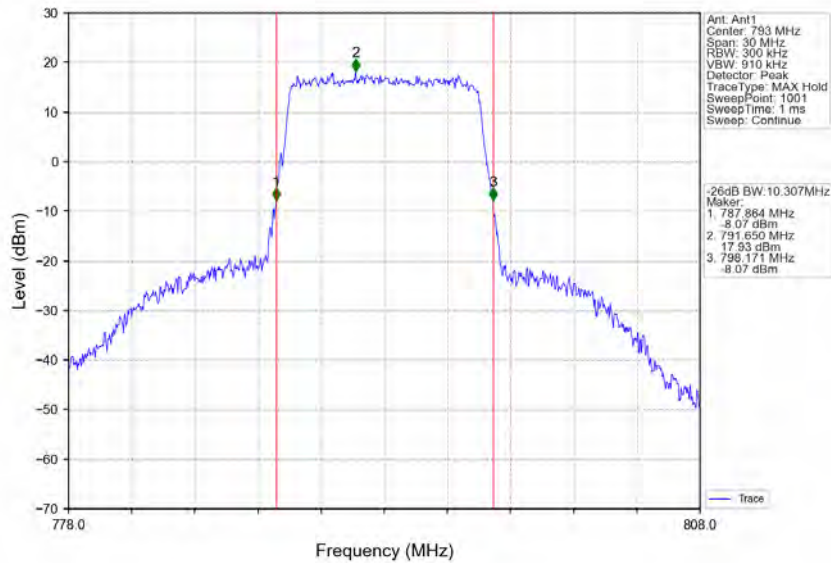
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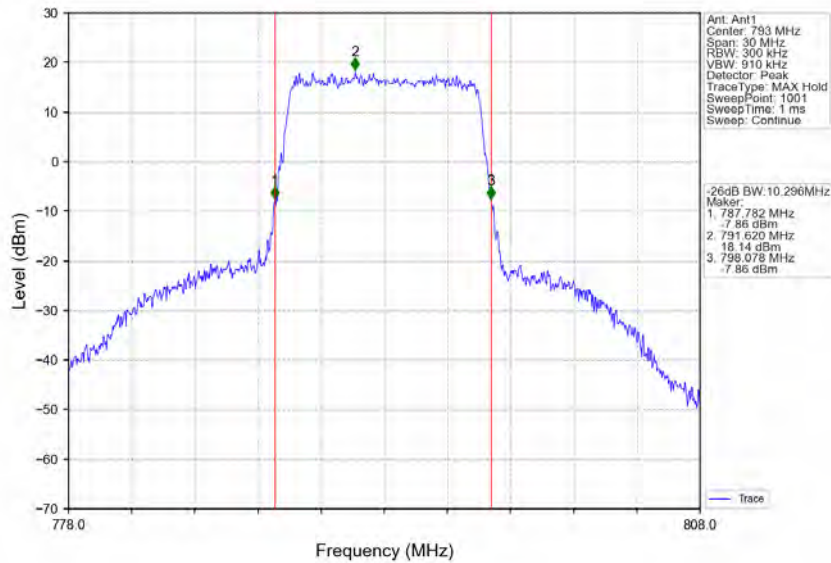
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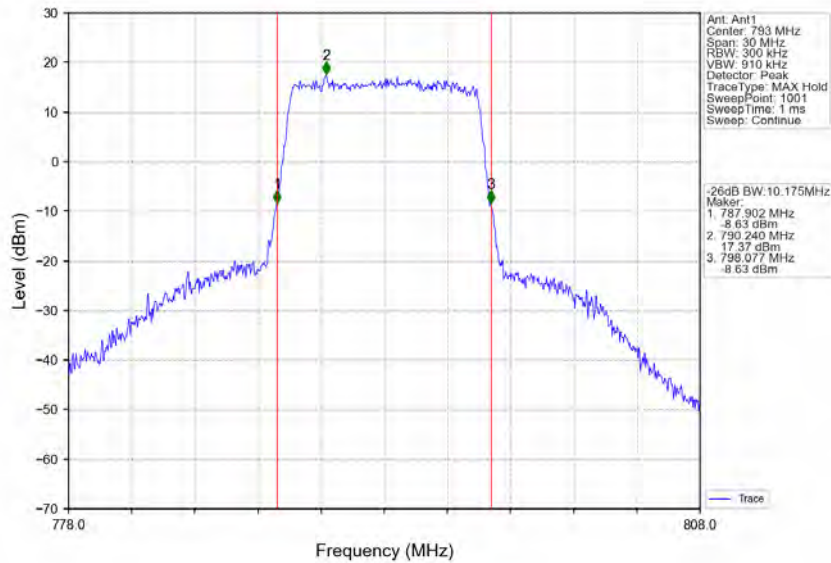
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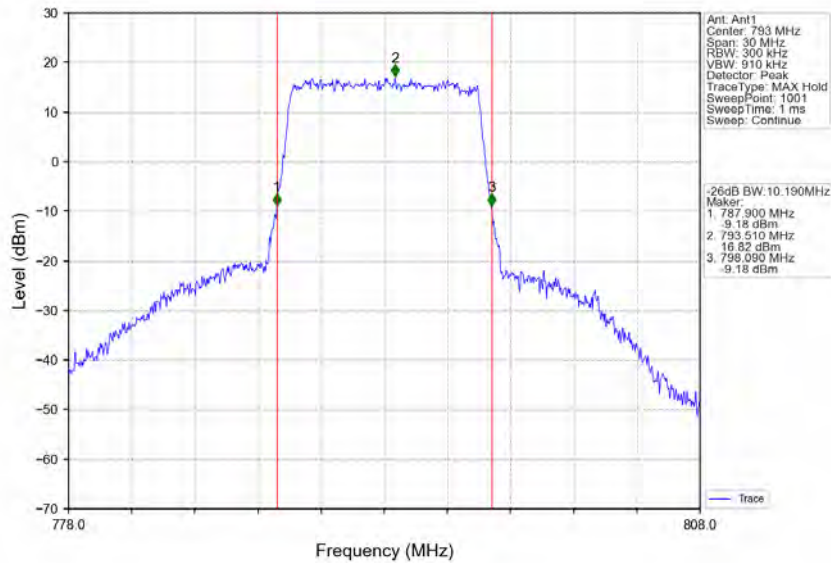
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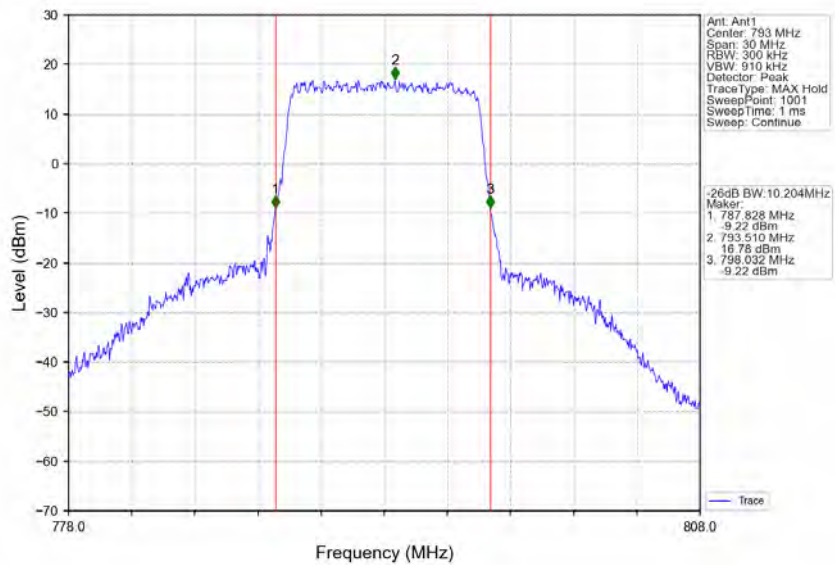
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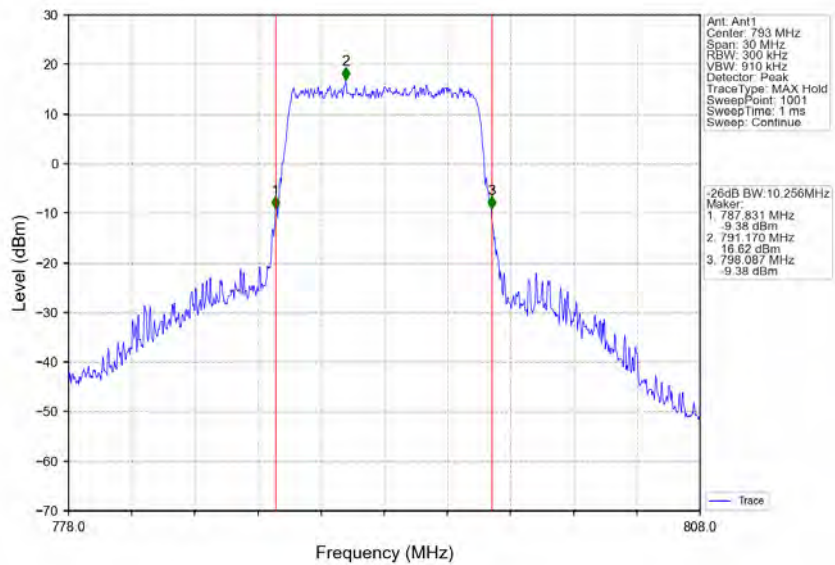
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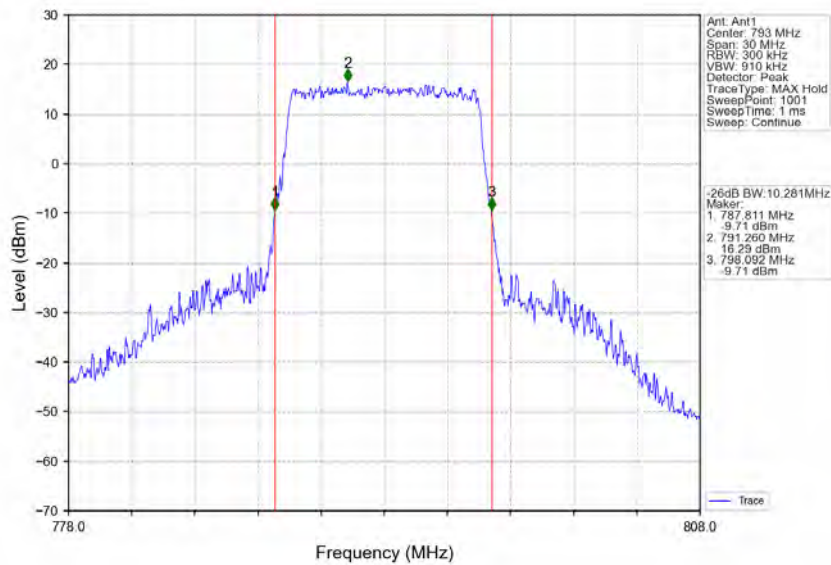
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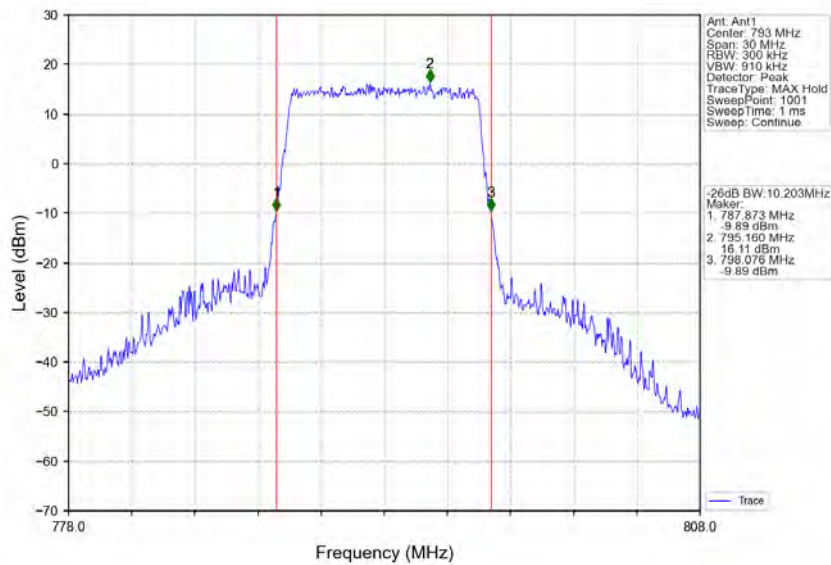
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5. Peak-Average Ratio

5.1 B14_5MHz

5.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	790.5	25	0	5.39	<=13	Pass
	793	25	0	5.33	<=13	Pass
	795.5	25	0	5.37	<=13	Pass
16QAM	790.5	25	0	6.08	<=13	Pass
	793	25	0	6.03	<=13	Pass
	795.5	25	0	6.10	<=13	Pass
64QAM	790.5	25	0	6.34	<=13	Pass
	793	25	0	6.30	<=13	Pass
	795.5	25	0	6.38	<=13	Pass



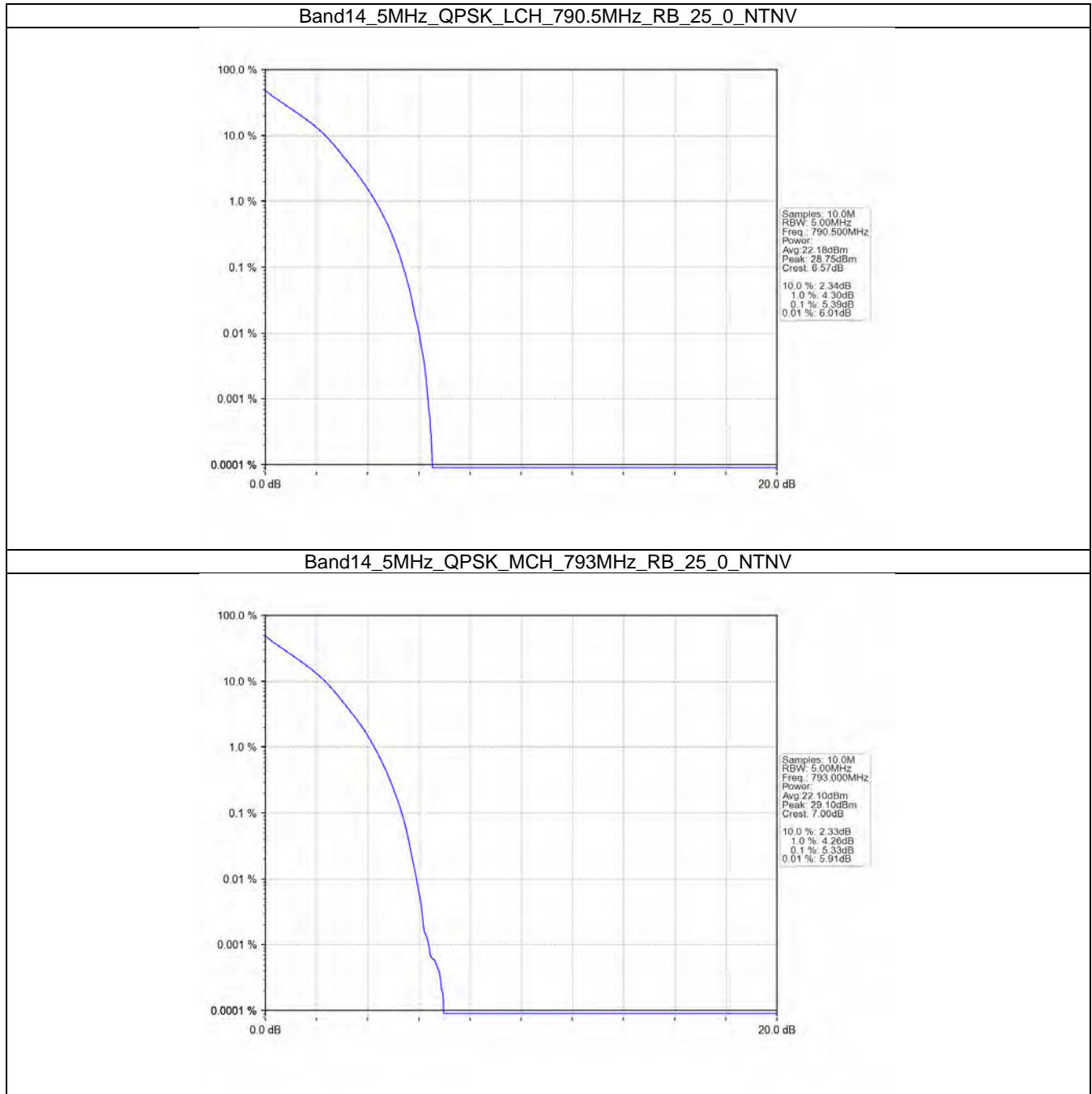
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5.1.2 Test Graph



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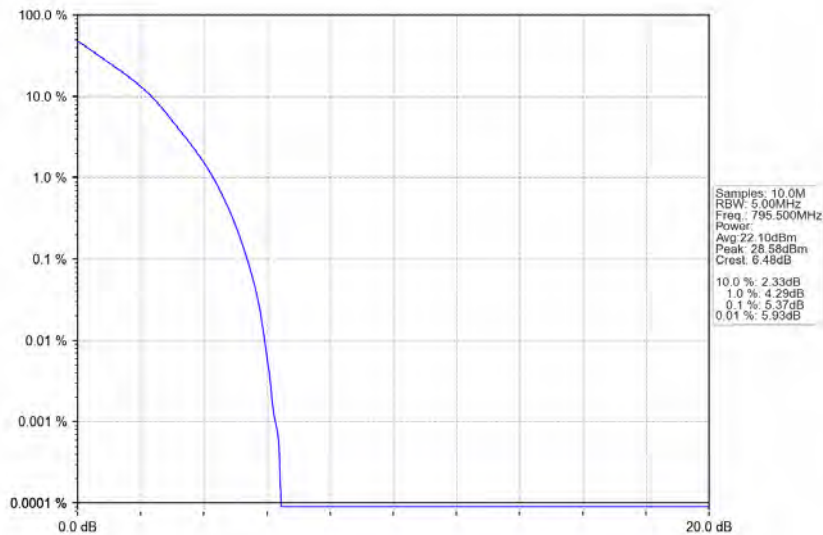
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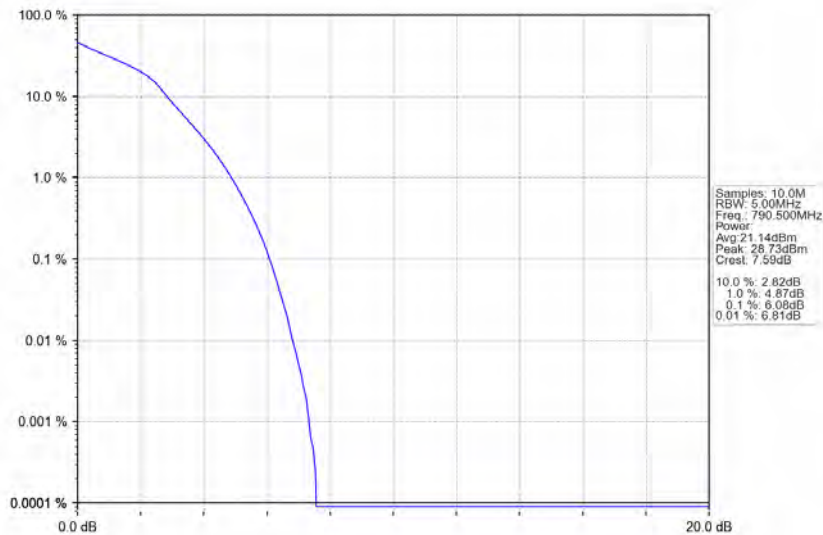
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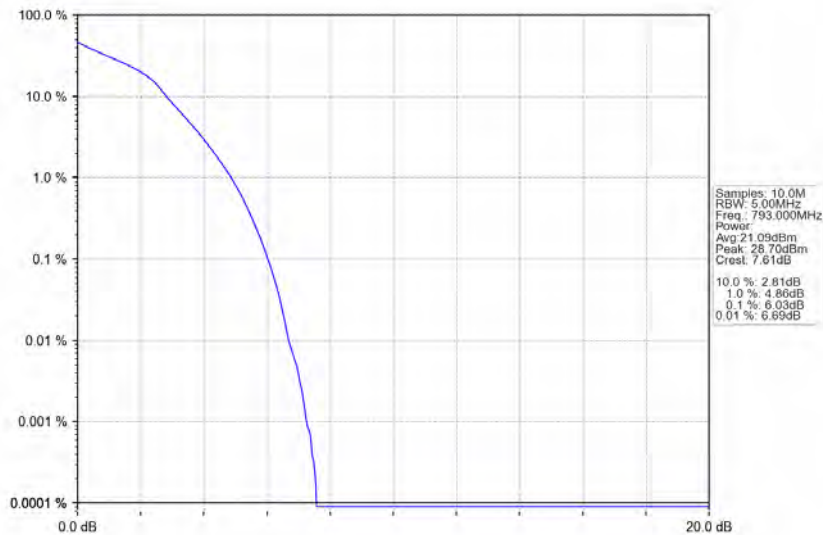
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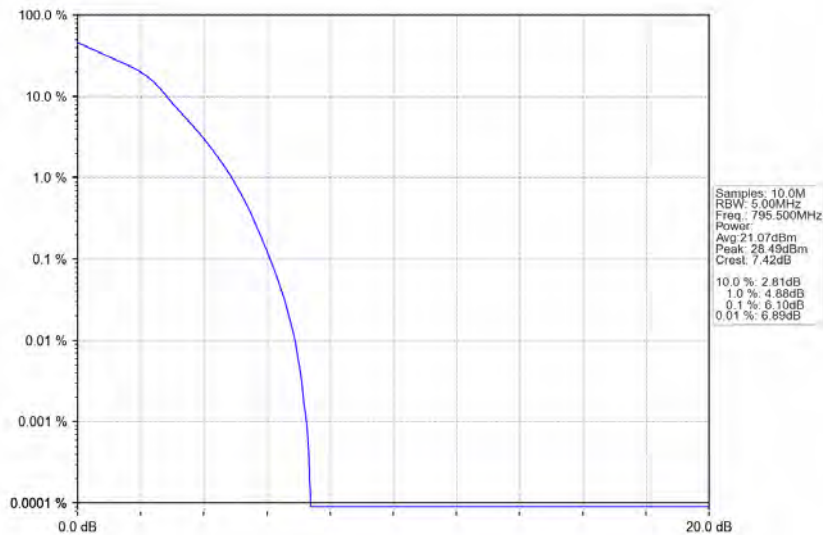
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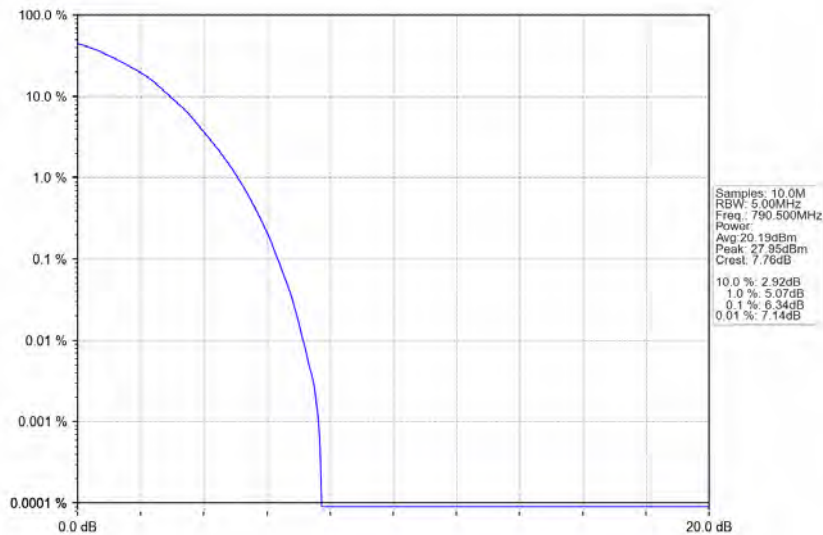
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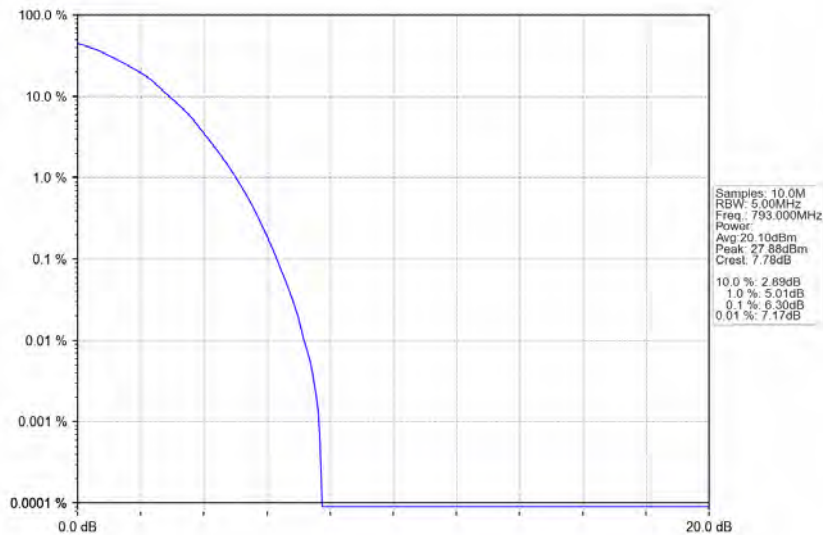
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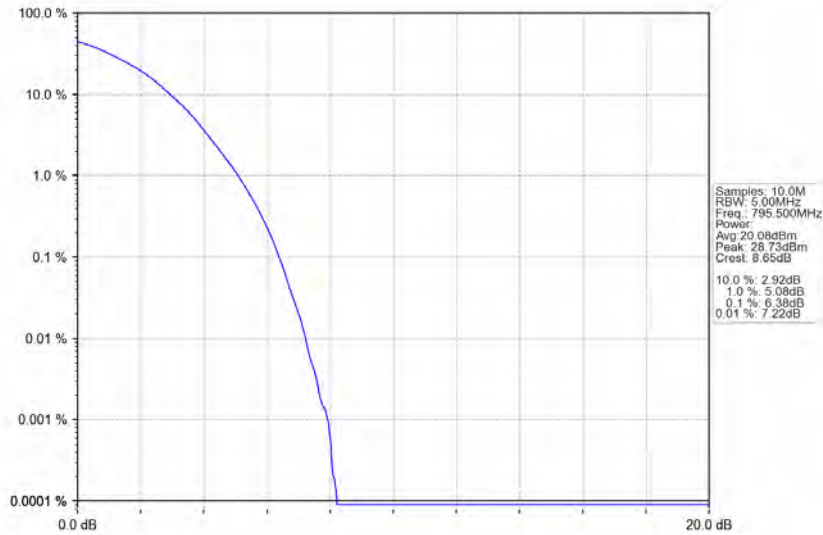
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5.2 B14_10MHz

5.2.1 Test Result

Band: 14 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	793	50	0	5.37	<=13	Pass
	793	50	0	5.39	<=13	Pass
	793	50	0	5.40	<=13	Pass
16QAM	793	50	0	6.42	<=13	Pass
	793	50	0	6.43	<=13	Pass
	793	50	0	6.43	<=13	Pass
64QAM	793	50	0	6.63	<=13	Pass
	793	50	0	6.62	<=13	Pass
	793	50	0	6.64	<=13	Pass

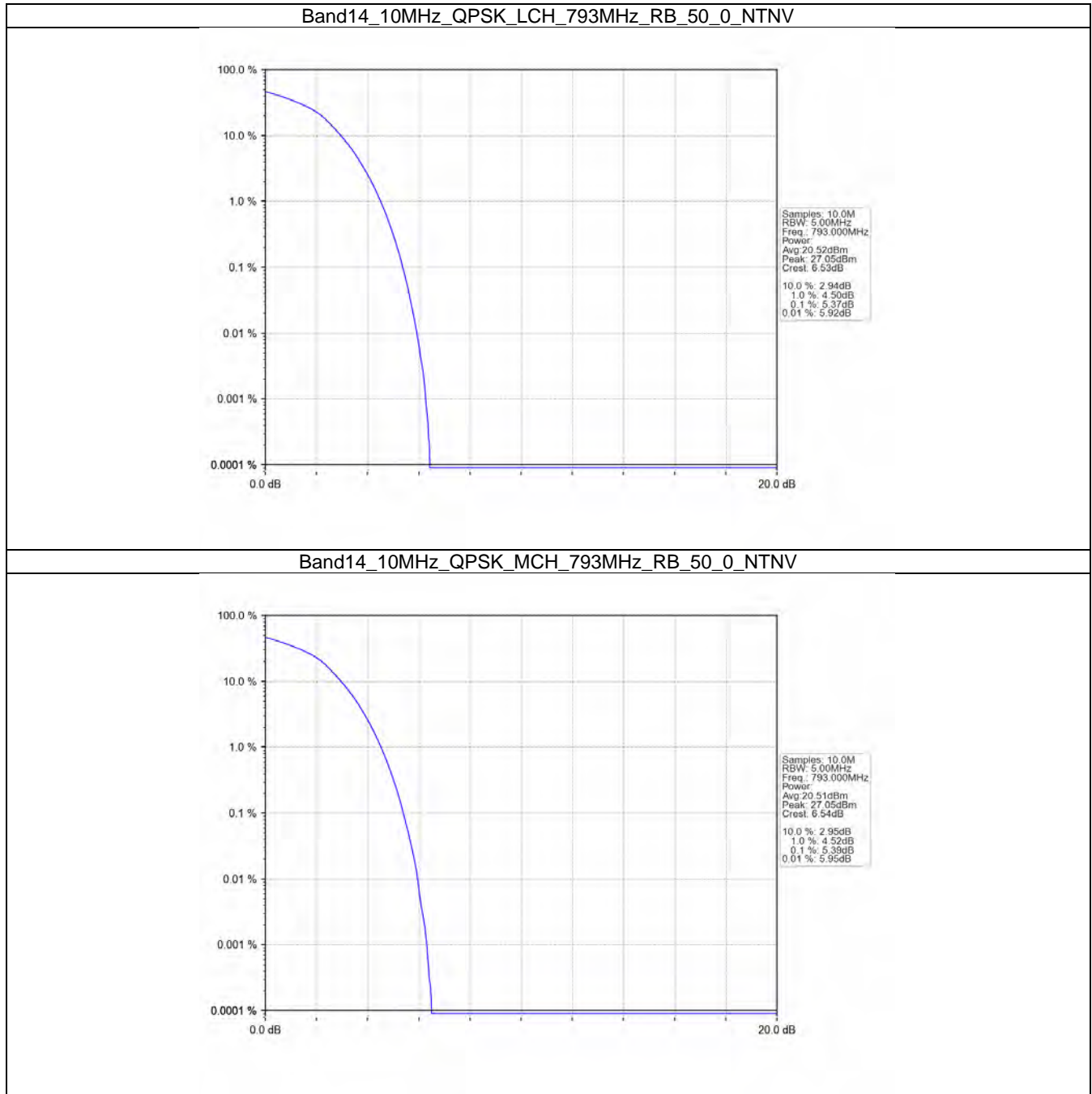


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5.2.2 Test Graph



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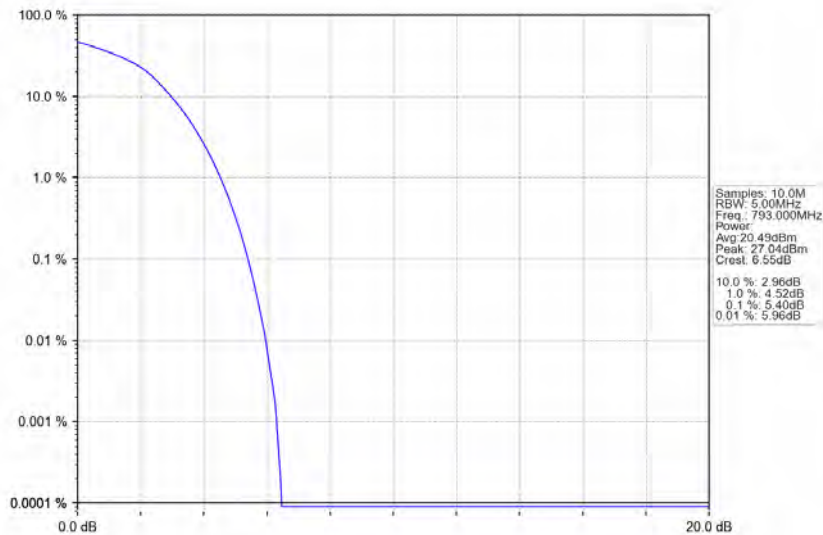
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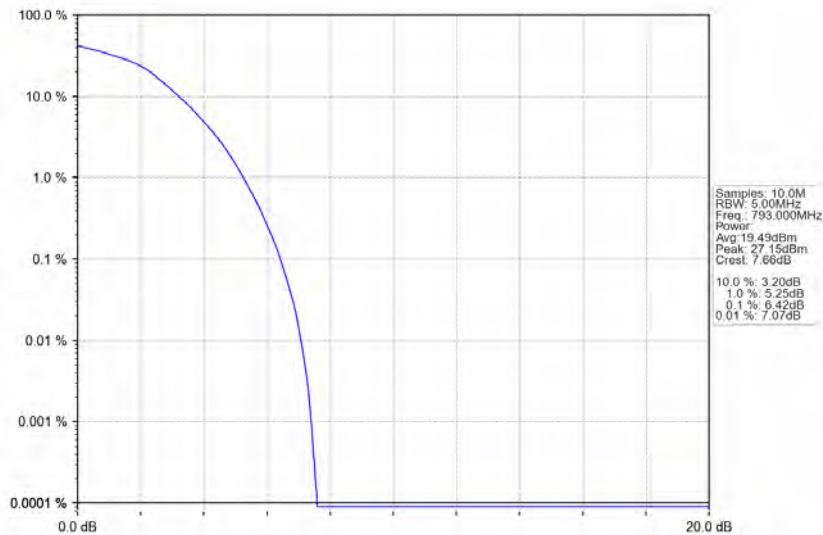
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Band14_10MHz_16QAM_LCH_793MHz_RB_50_0_NTNV



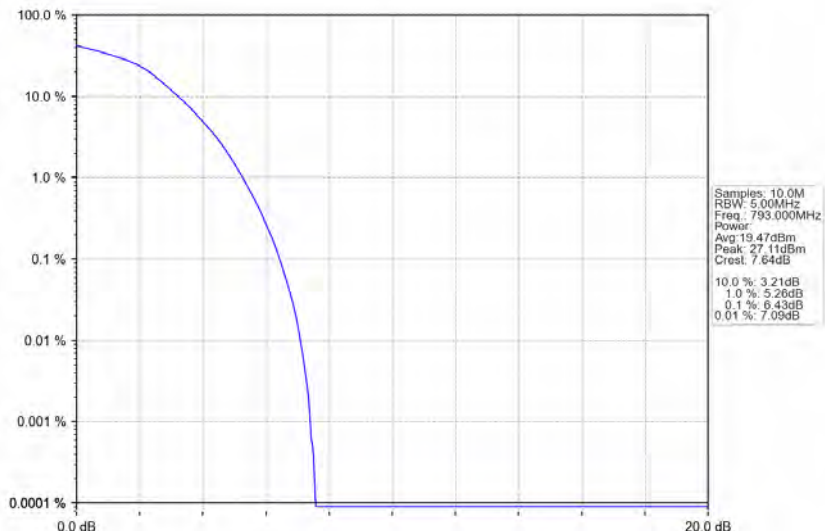
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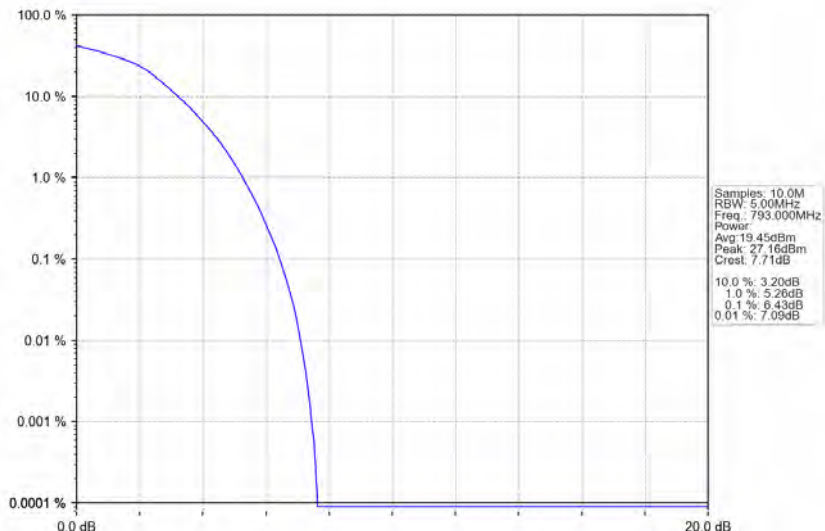
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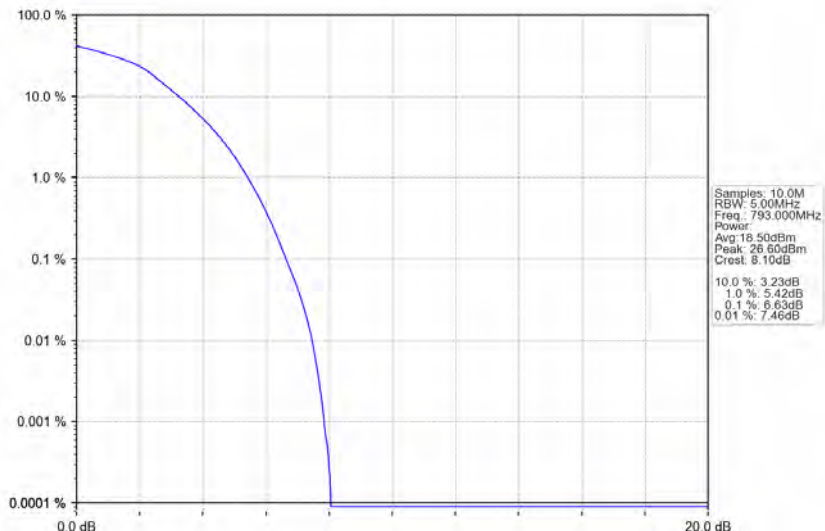
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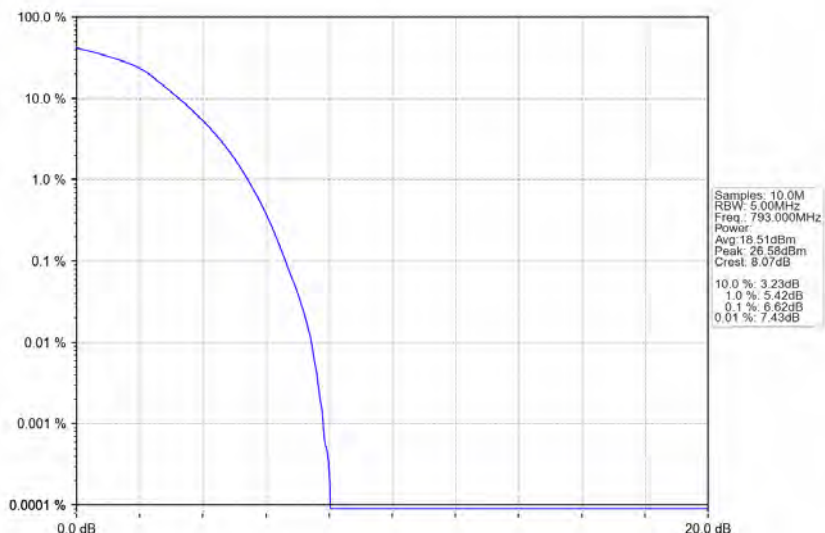
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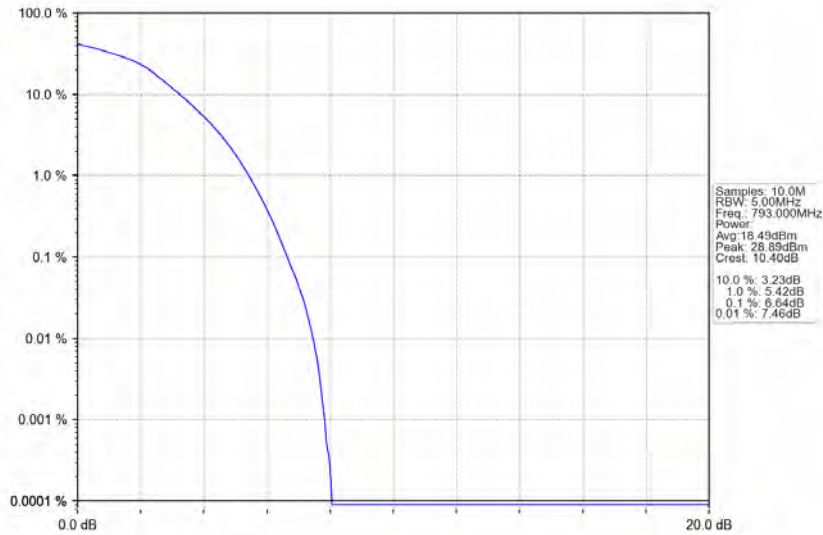
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Band14_10MHz_64QAM_HCH_793MHz_RB_50_0_NTV



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6. Spurious Emission

6.1 B14_5MHz

6.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	790.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	793	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	795.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	790.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	793	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	795.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	790.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	793	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	795.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

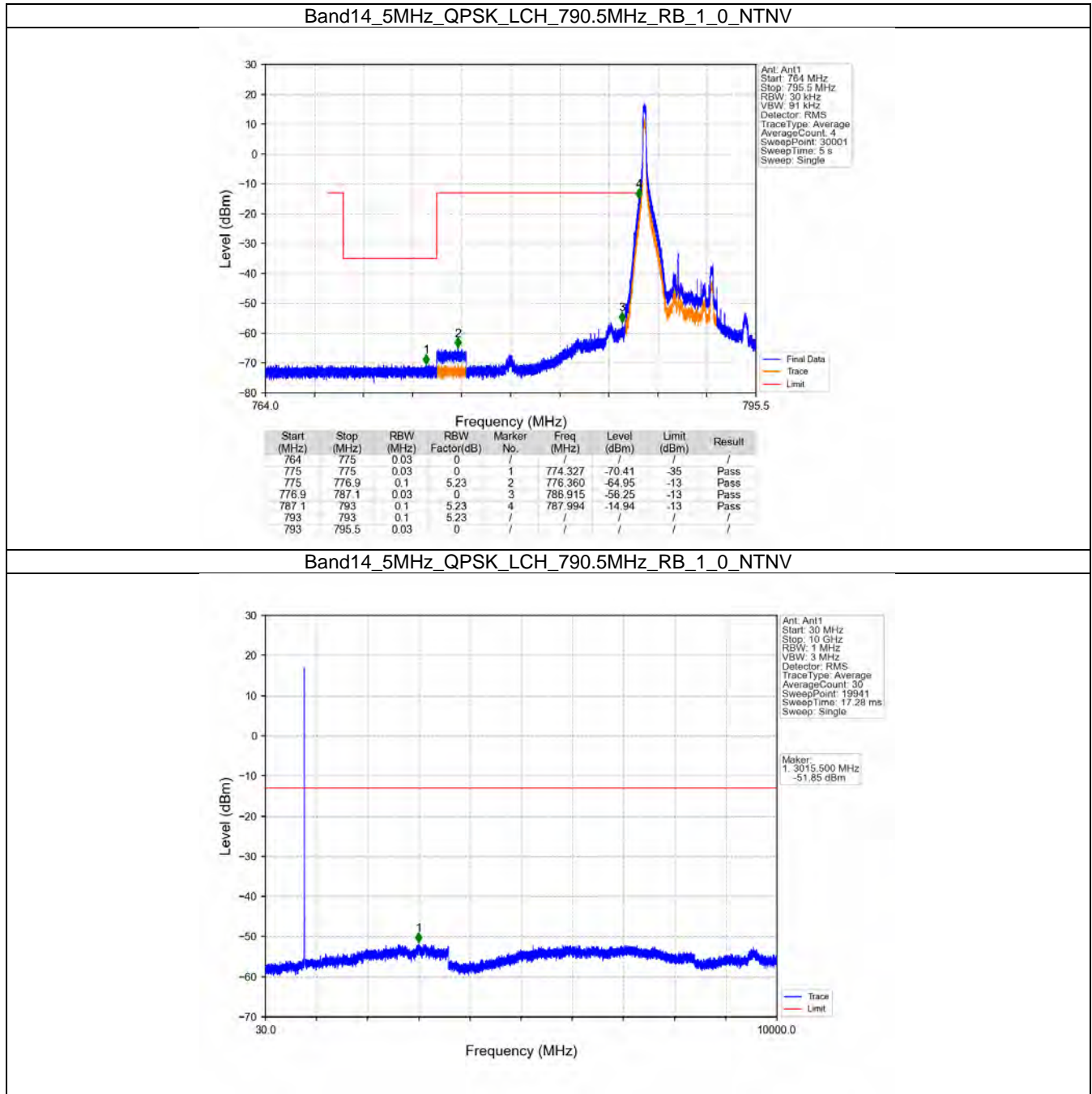


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6.1.2 Test Graph



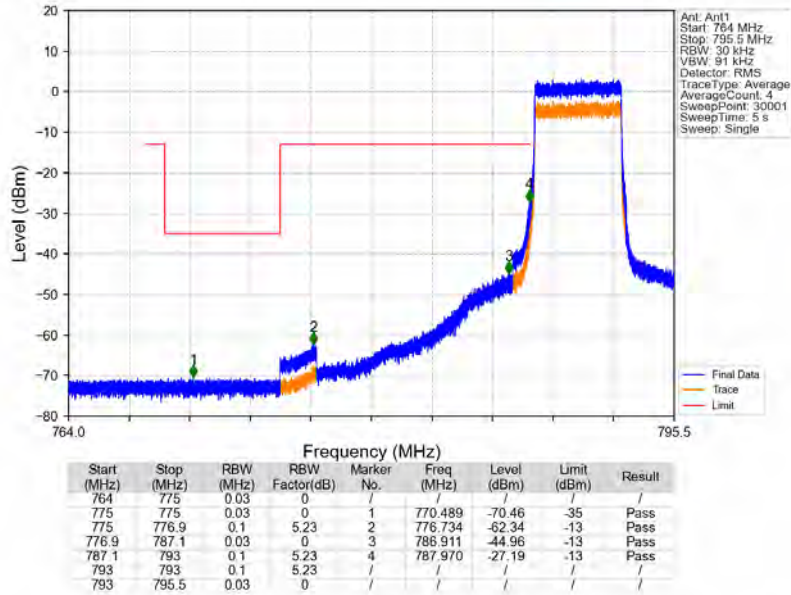
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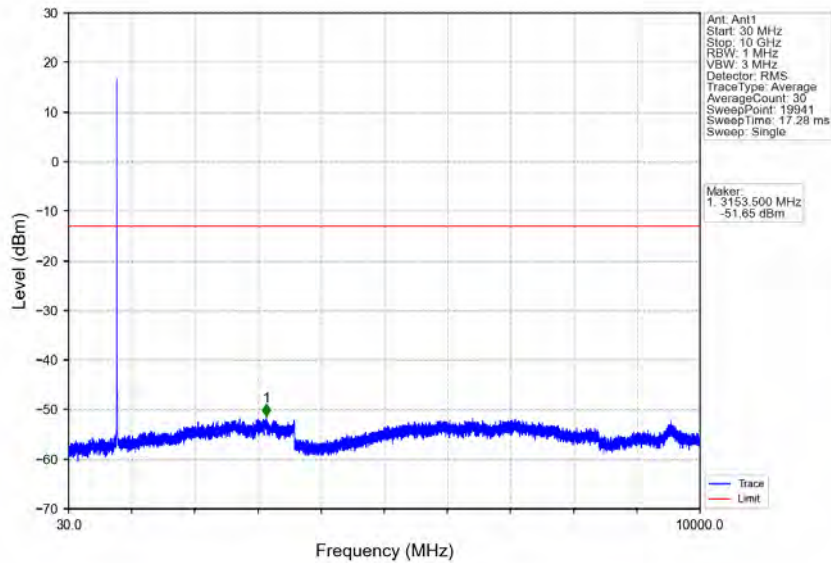
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Band14_5MHz_QPSK_MCH_793MHz_RB_1_0_NTNV



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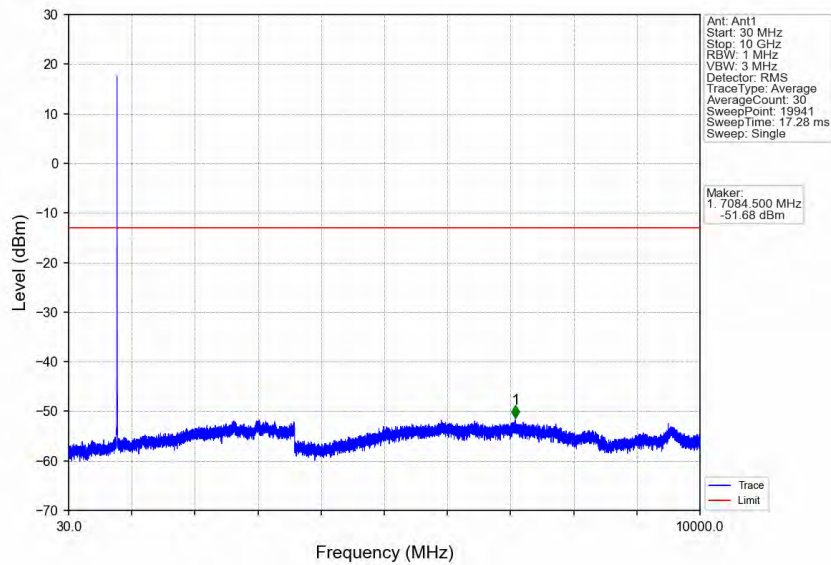
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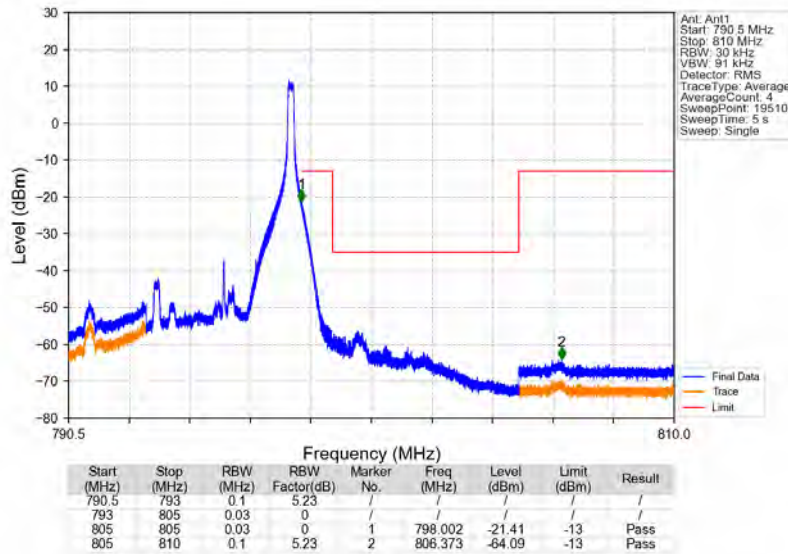


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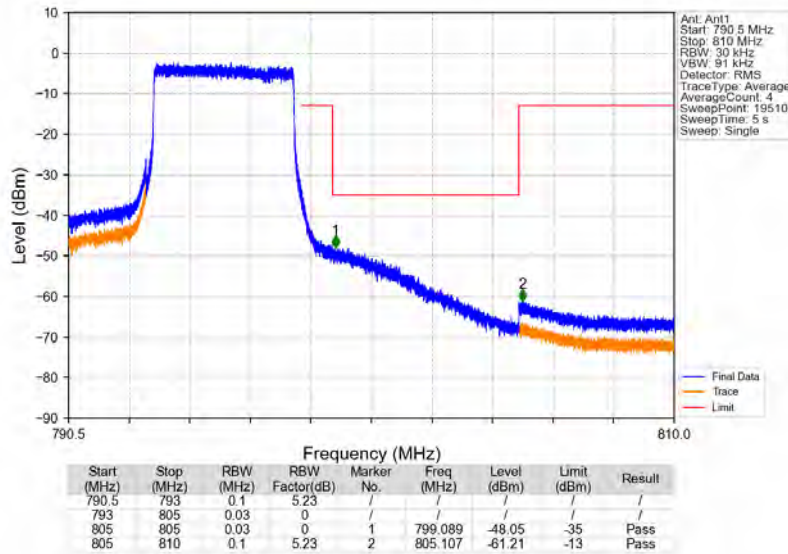
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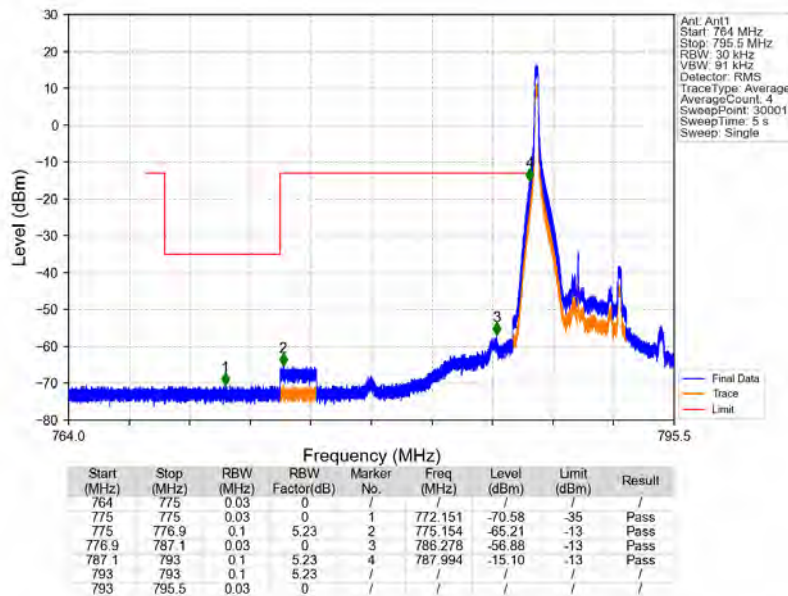
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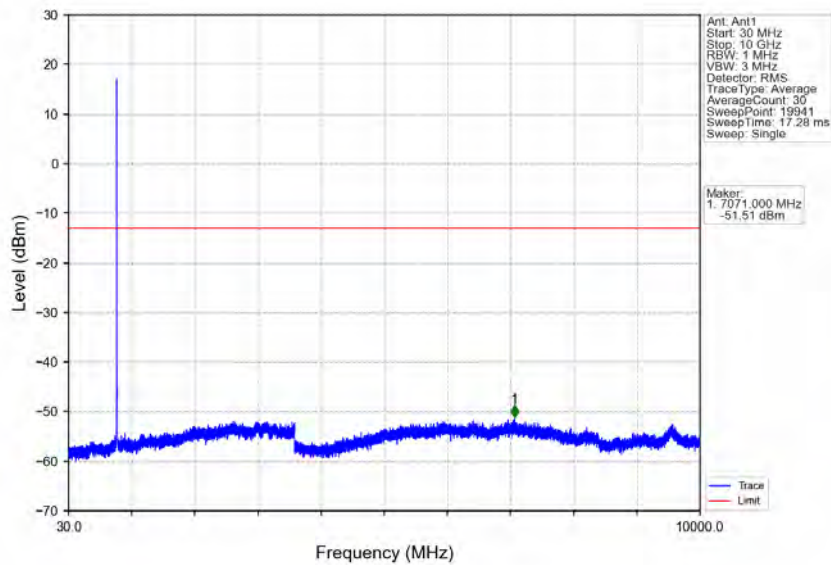
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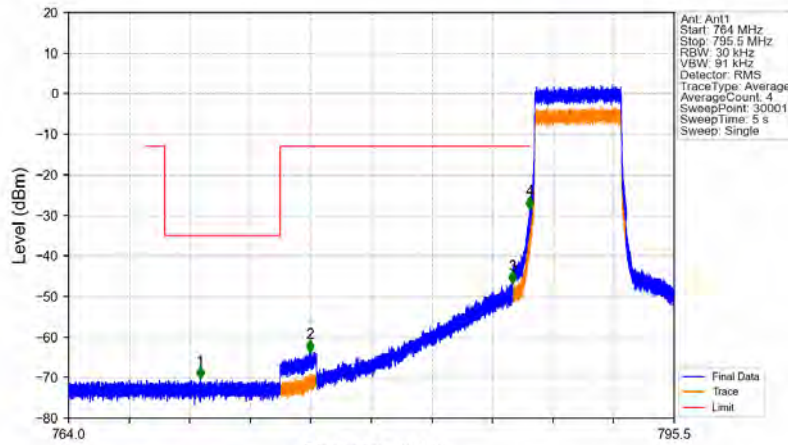
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Band14_5MHz_16QAM_LCH_790.5MHz_RB_1_0_NTNV



Band14_5MHz_16QAM_LCH_790.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.03	0	/	/	/	/	/
775	775	0.03	0	1	770.851	-70.33	-35	Pass
775	776.9	0.1	5.23	2	776.544	-63.68	-13	Pass
776.9	787.1	0.03	0	3	787.100	-46.85	-13	Pass
787.1	793	0.1	5.23	4	787.962	-28.43	-13	Pass
793	793	0.1	5.23	/	/	/	/	/
793	795.5	0.03	0	/	/	/	/	/



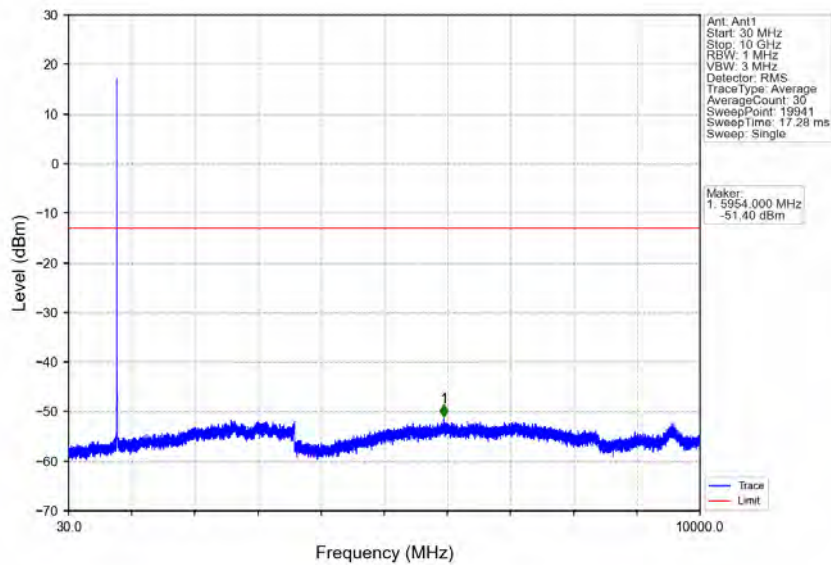
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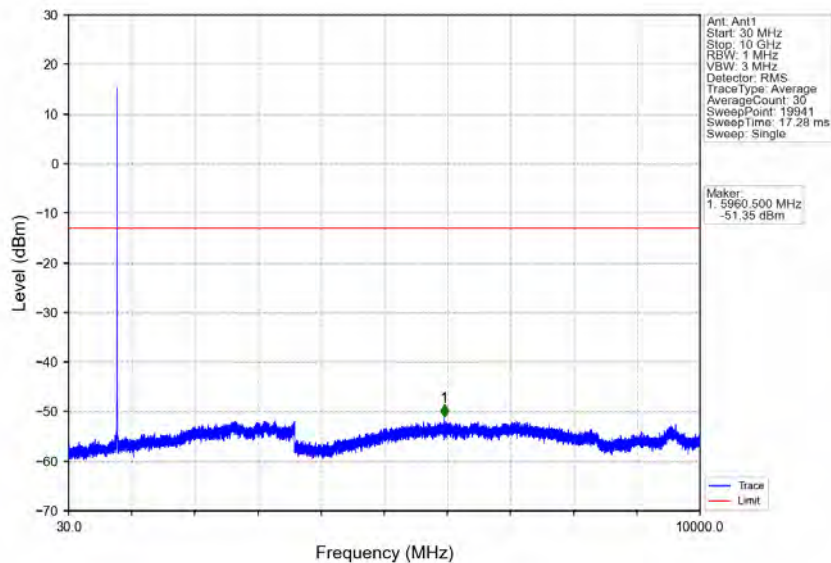
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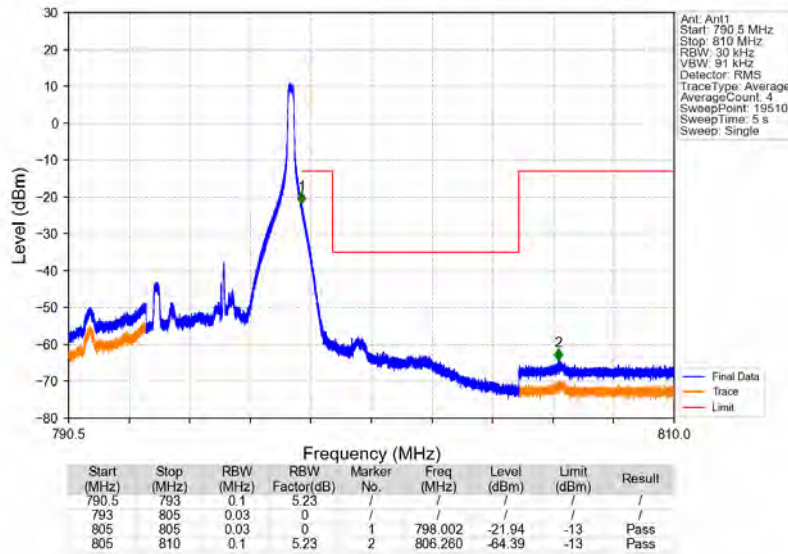
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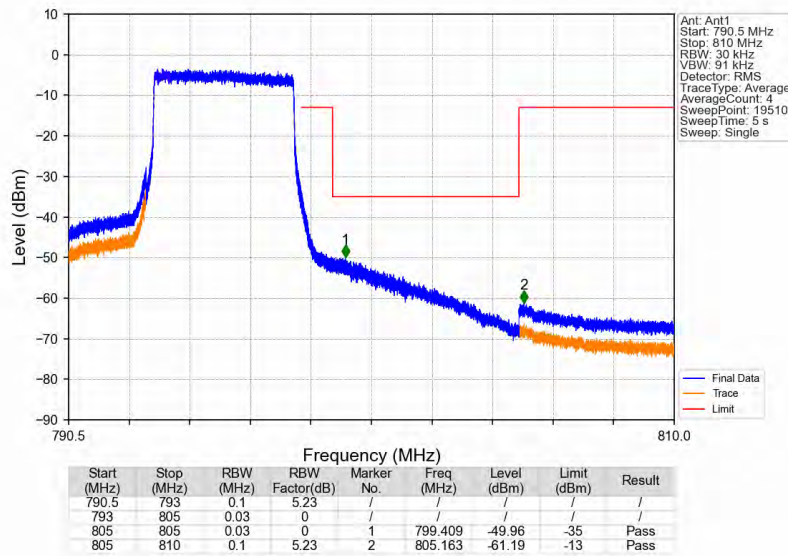
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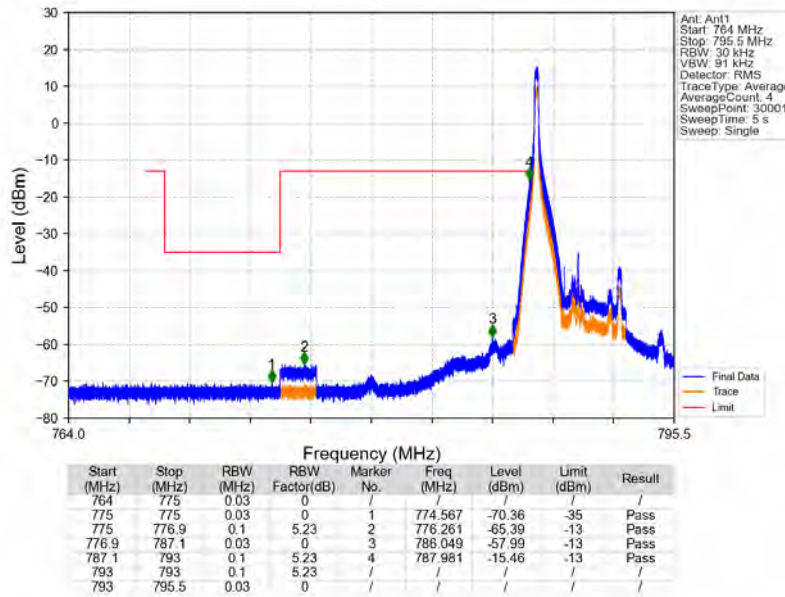
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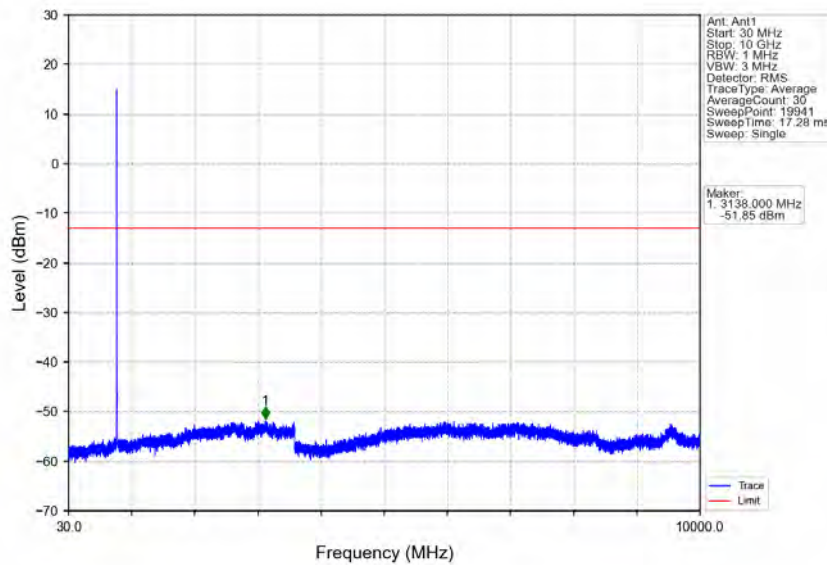
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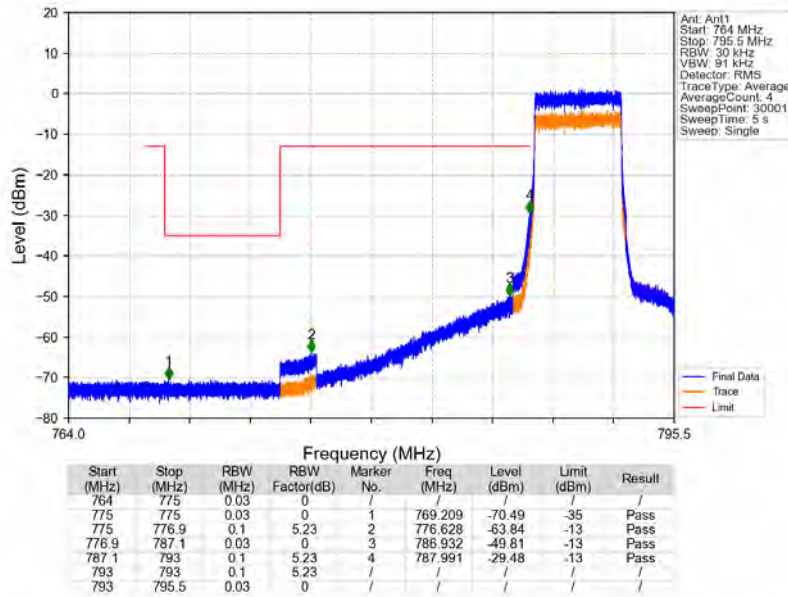
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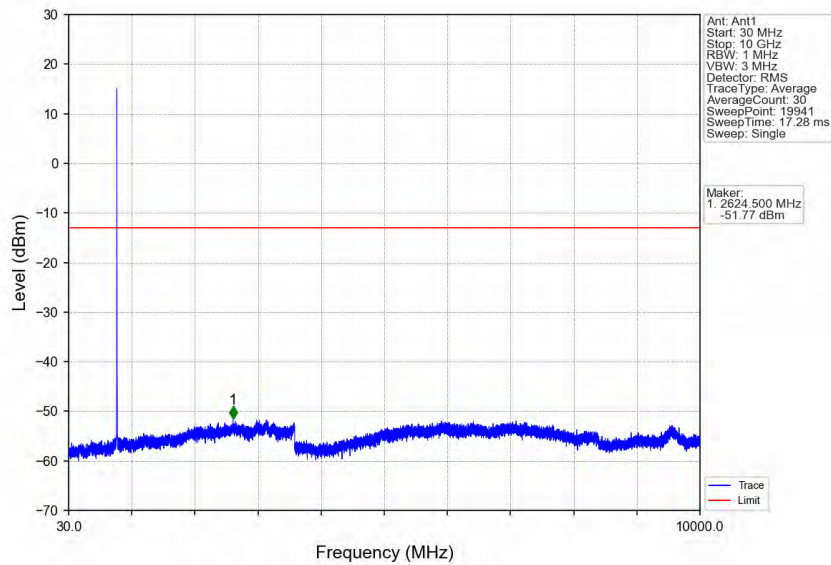
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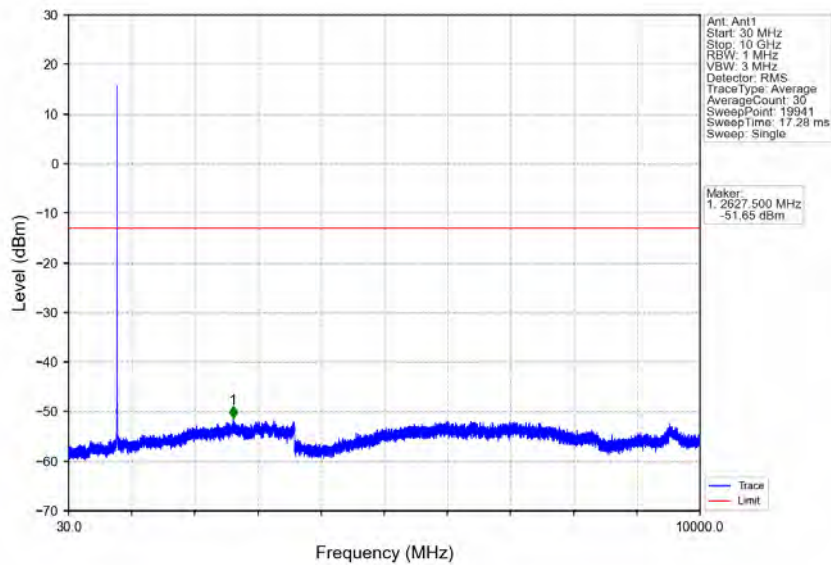
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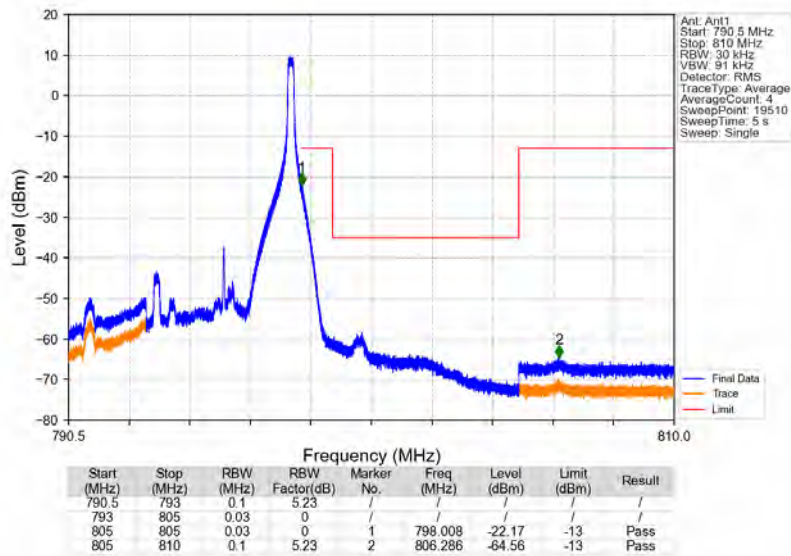


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EMC Laboratory

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Band14_5MHz_64QAM_HCH_795.5MHz_RB_1_24_NTNV



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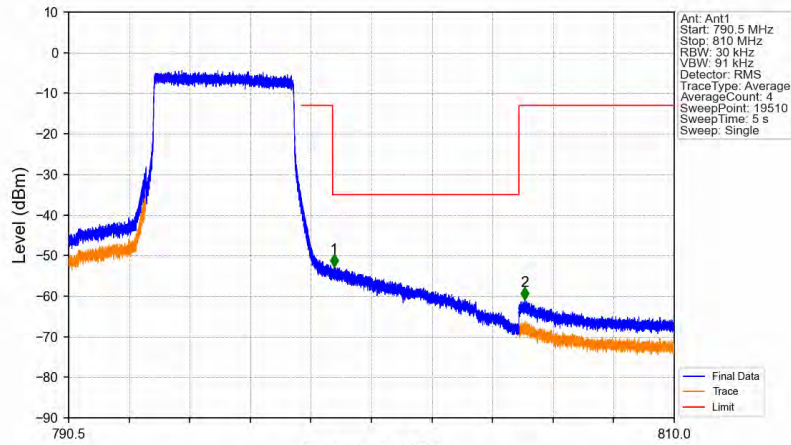
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 EMC Laboratory

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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
790.5	793	0.1	5.23	/	/	/	/	/
793	805	0.03	0	/	/	/	/	/
805	805	0.03	0	1	799.049	-52.74	-35	Pass
805	810	0.1	5.23	2	805.190	-60.96	-13	Pass



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6.2 B14_10MHz

6.2.1 Test Result

Band: 14 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	793	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	793	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	793	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	793	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	793	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	793	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

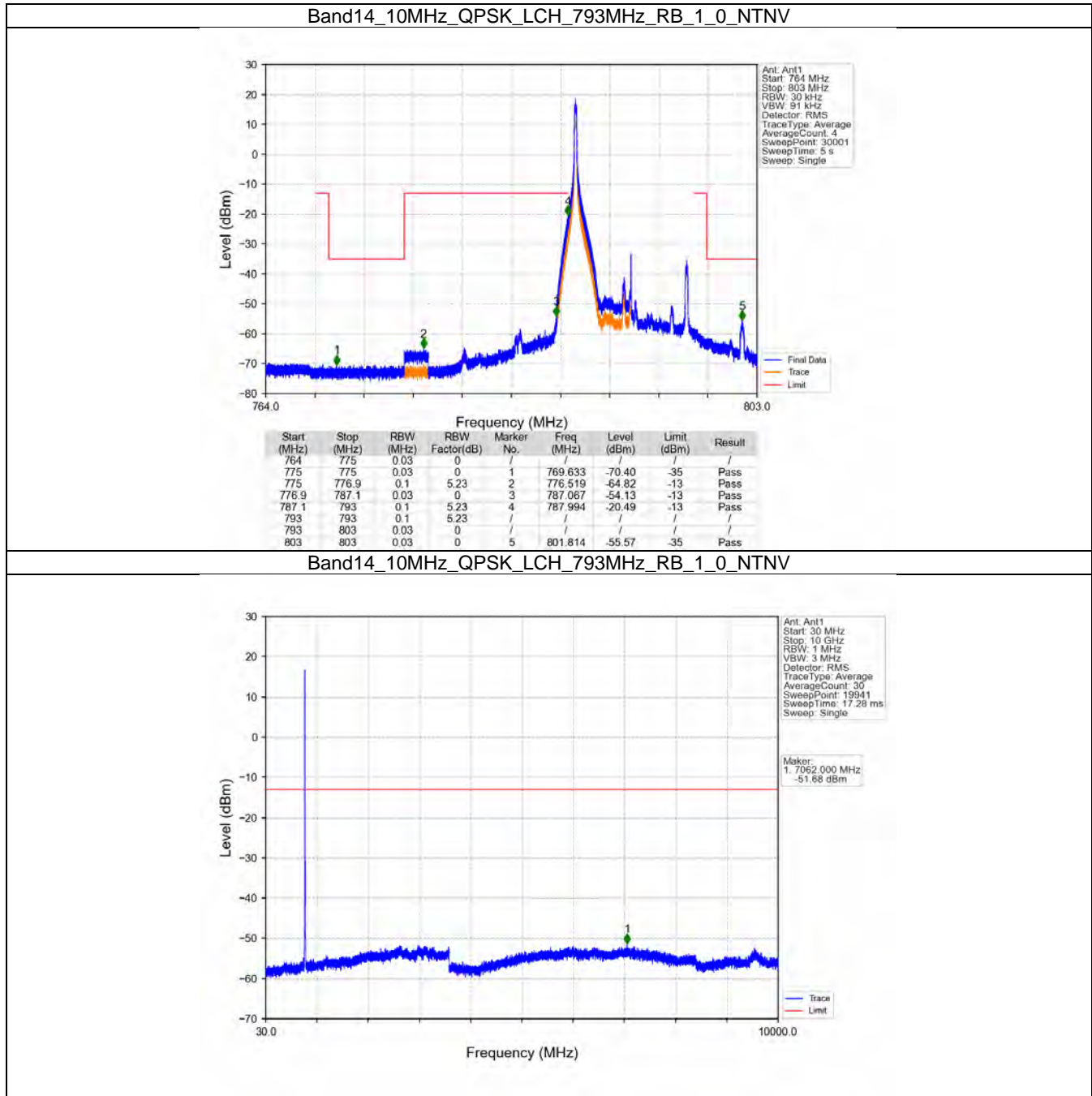


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6.2.2 Test Graph



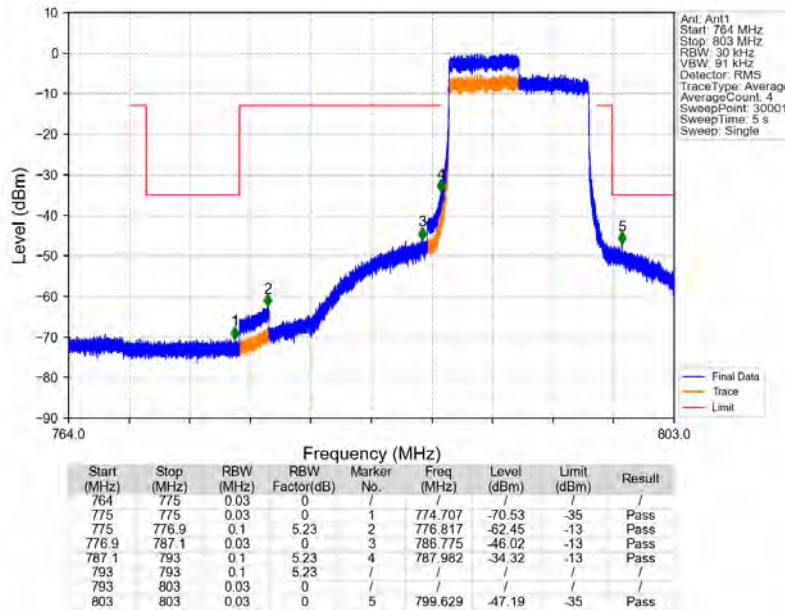
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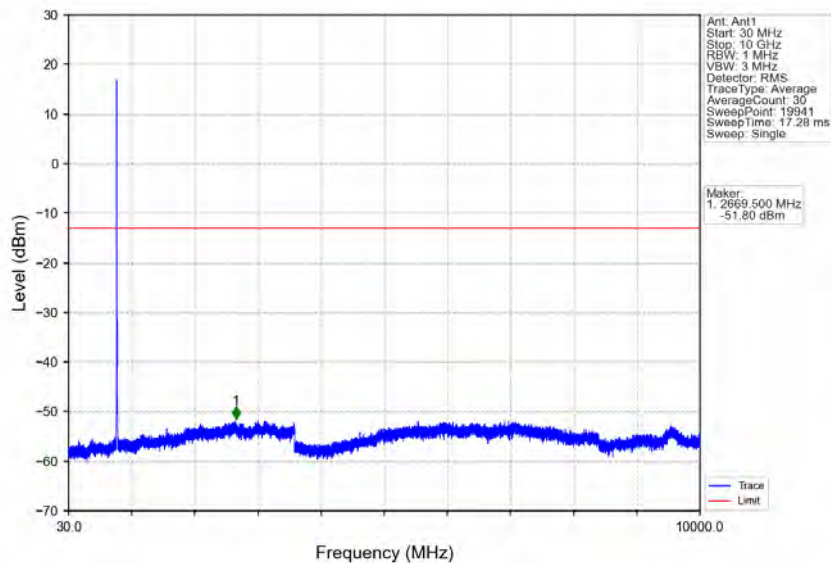
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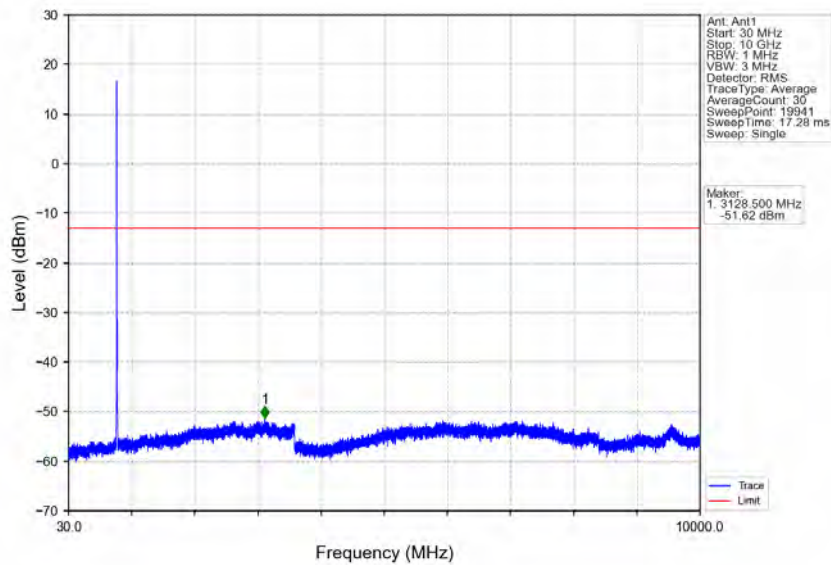
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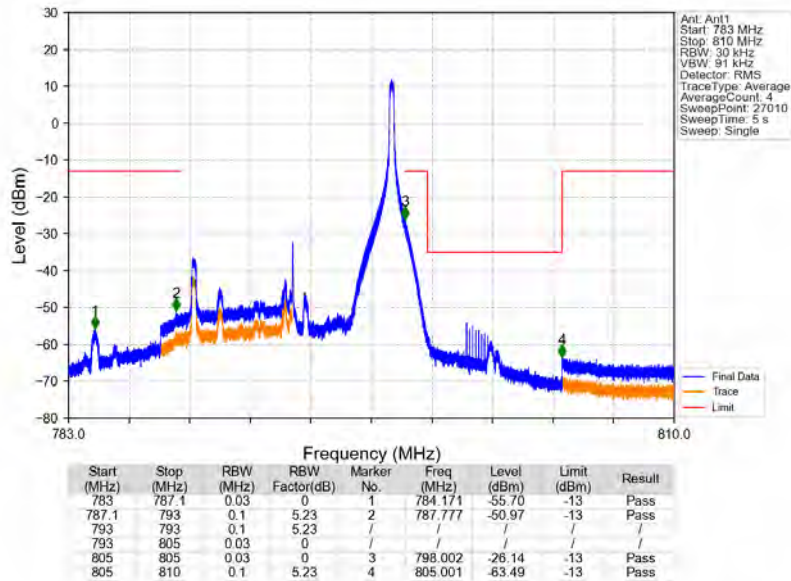
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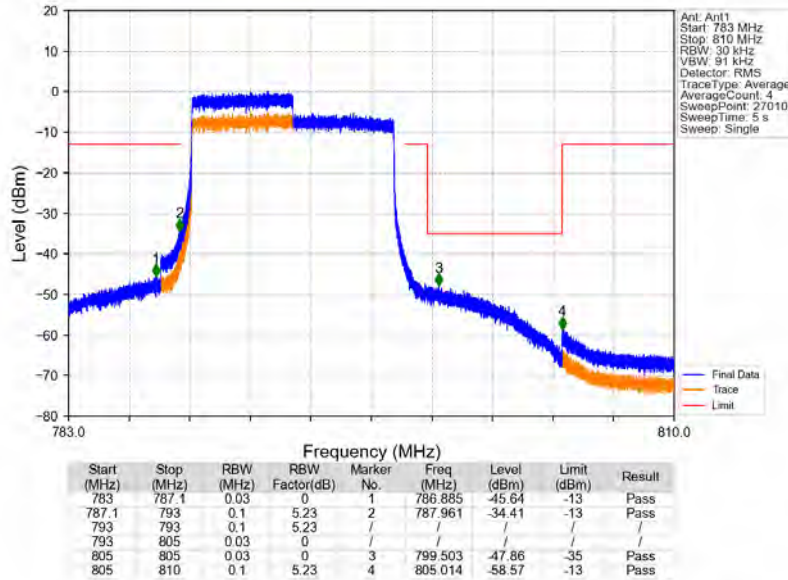
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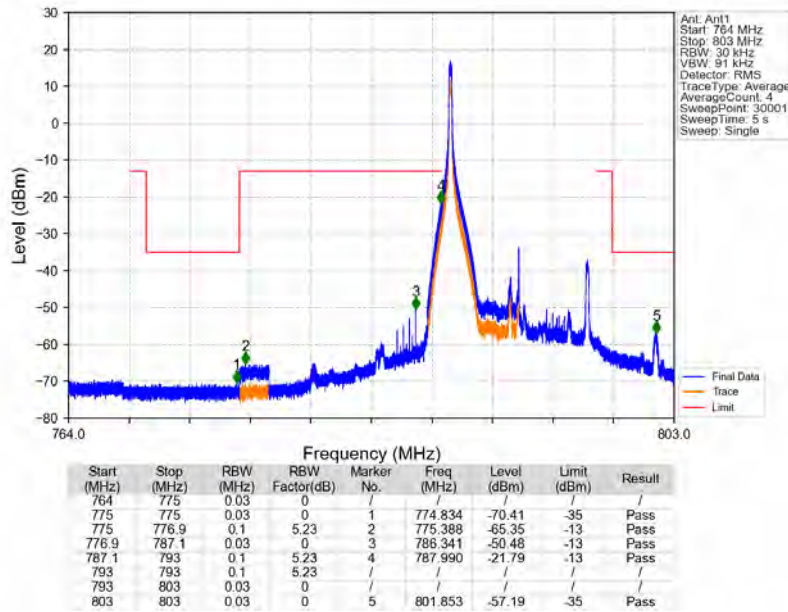
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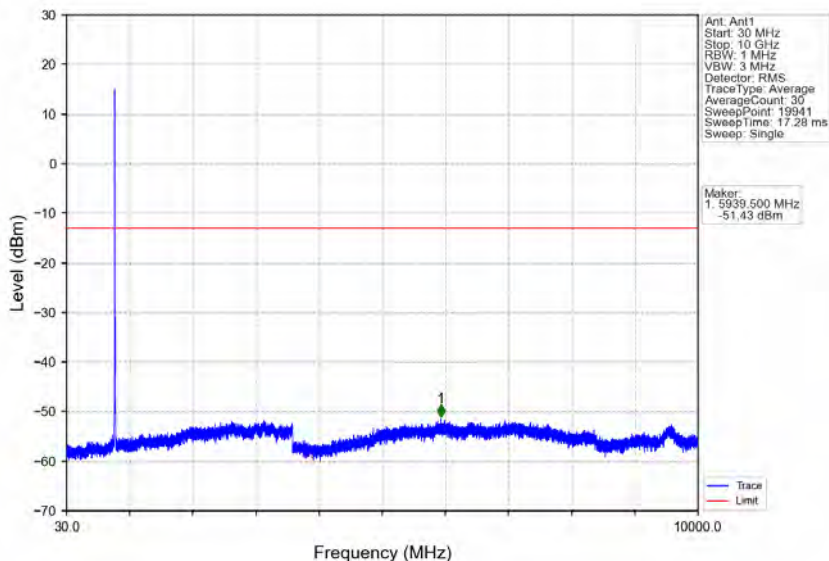
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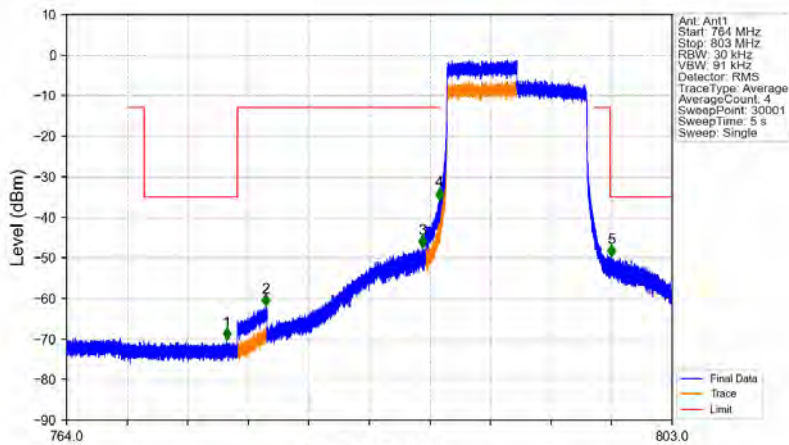
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Band14_10MHz_16QAM_LCH_793MHz_RB_1_0_NTNV



Band14_10MHz_16QAM_LCH_793MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.03	0	/	/	/	/	/
775	775	0.03	0	1	774.306	-70.33	-35	Pass
775	776.9	0.1	5.23	2	776.835	-61.90	-13	Pass
776.9	787.1	0.03	0	3	786.918	-47.50	-13	Pass
787.1	793	0.1	5.23	4	787.999	-35.76	-13	Pass
793	793	0.1	5.23	/	/	/	/	/
793	803	0.03	0	/	/	/	/	/
803	803	0.03	0	5	799.082	-49.82	-35	Pass



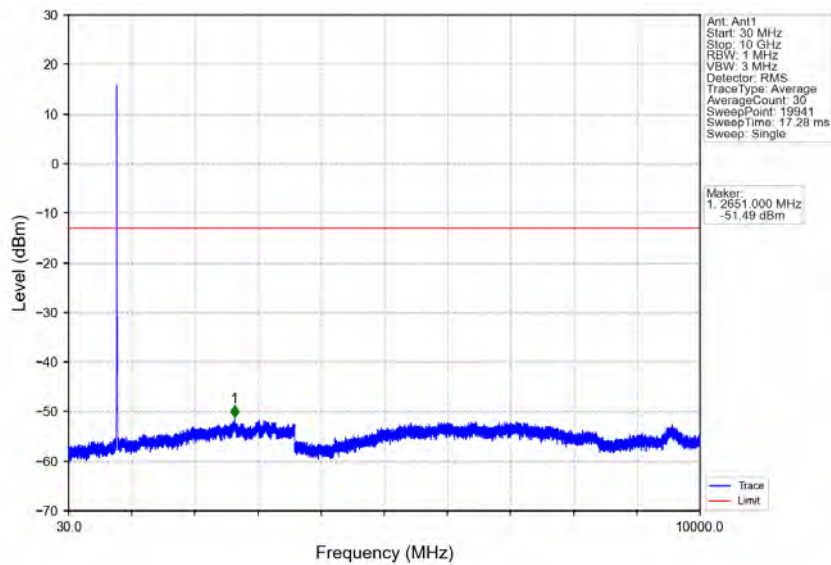
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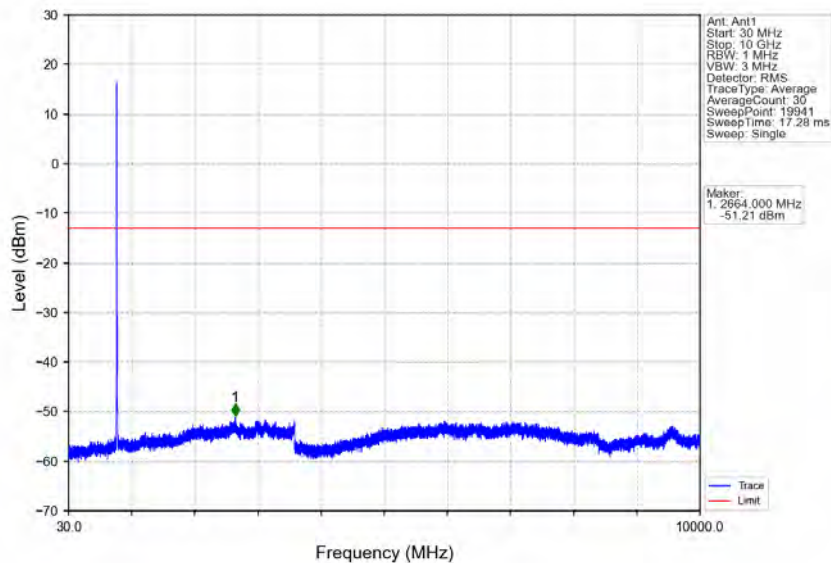
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Band14_10MHz_16QAM_HCH_793MHz_RB_1_0_NTNV



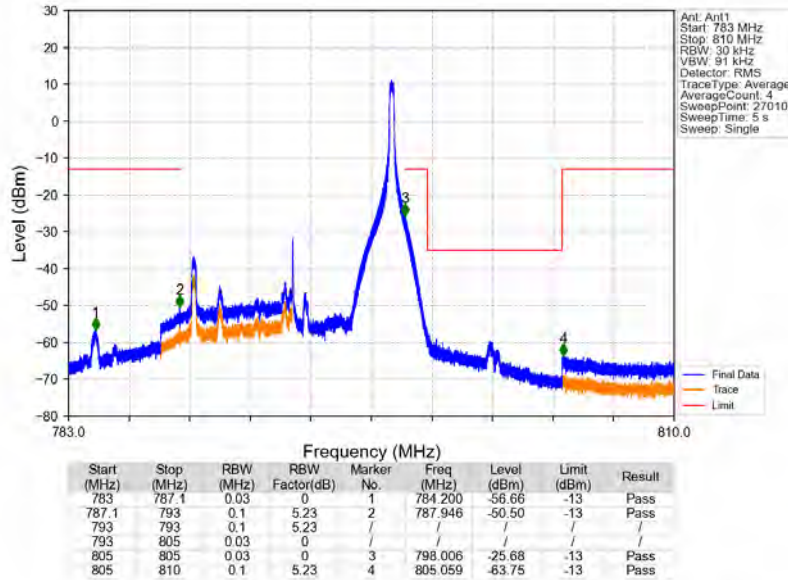
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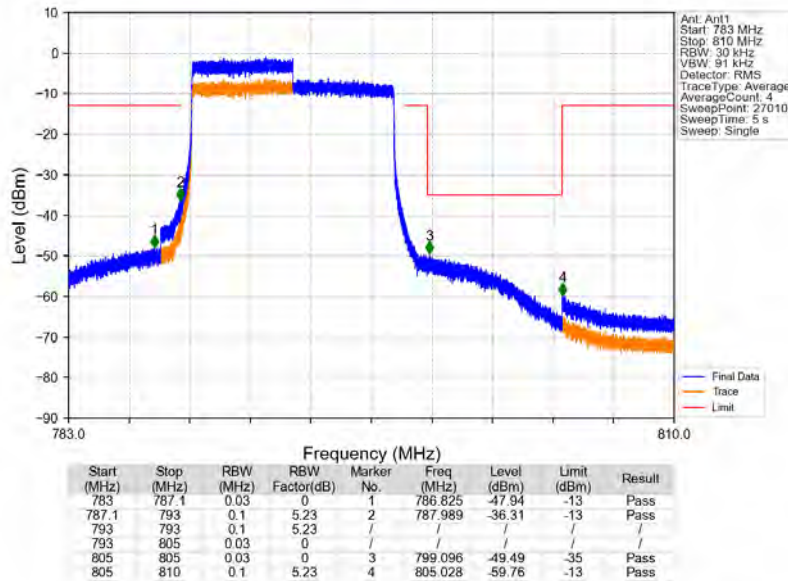
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Band14_10MHz_16QAM_HCH_793MHz_RB_50_0_NTV



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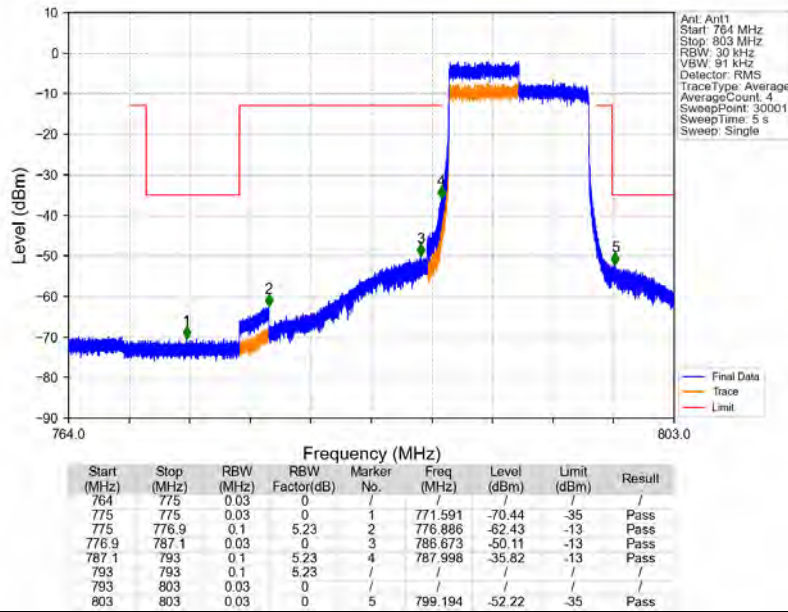
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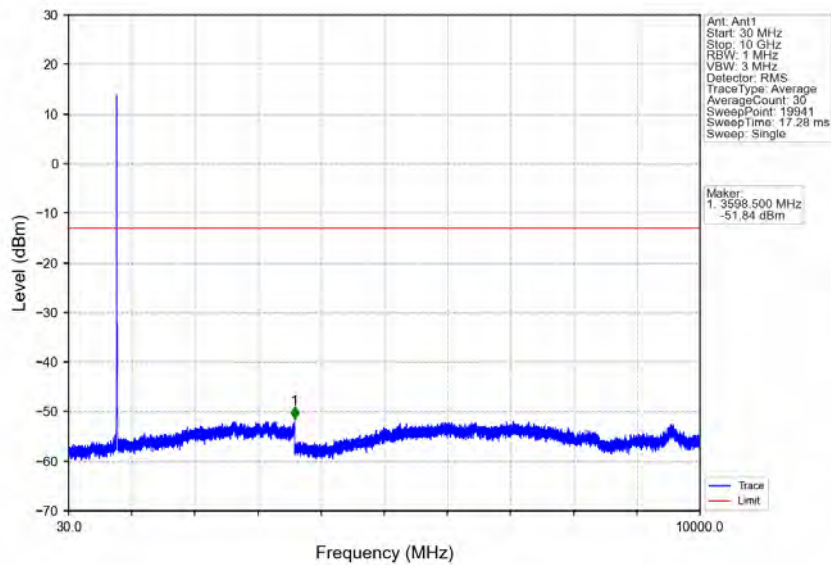
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Band14_10MHz_64QAM_LCH_793MHz_RB_50_0_NTNV



Band14_10MHz_64QAM_MCH_793MHz_RB_1_0_NTNV



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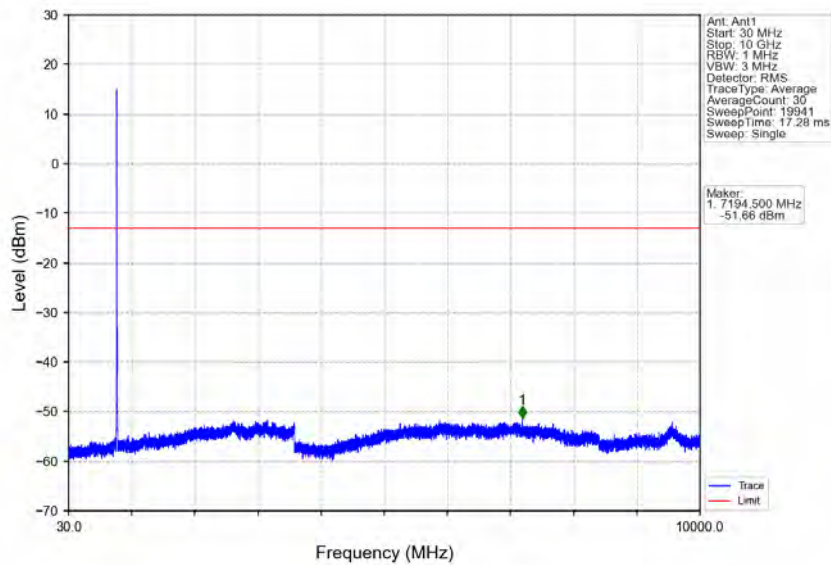
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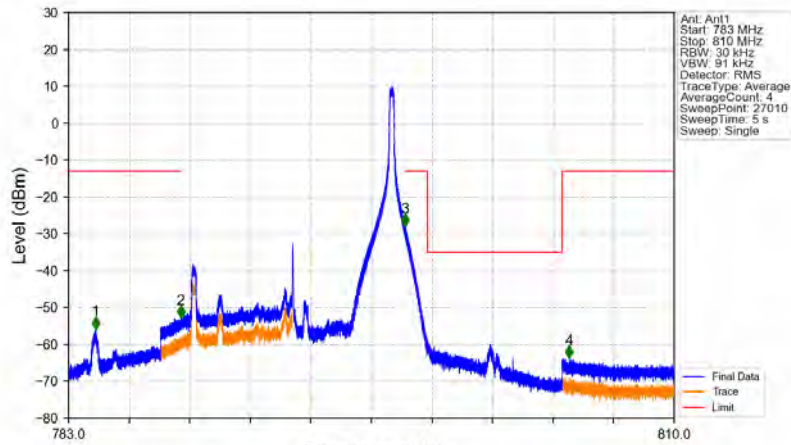
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Band14_10MHz_64QAM_HCH_793MHz_RB_1_0_NTNV



Band14_10MHz_64QAM_HCH_793MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.1	0.03	0	1	784.200	-55.88	-13	Pass
787.1	793	0.1	5.23	2	787.999	-52.87	-13	Pass
793	793	0.1	5.23	/	/	/	/	/
793	805	0.03	0	/	/	/	/	/
805	805	0.03	0	3	798.005	-28.04	-13	Pass
805	810	0.1	5.23	4	805.324	-63.73	-13	Pass



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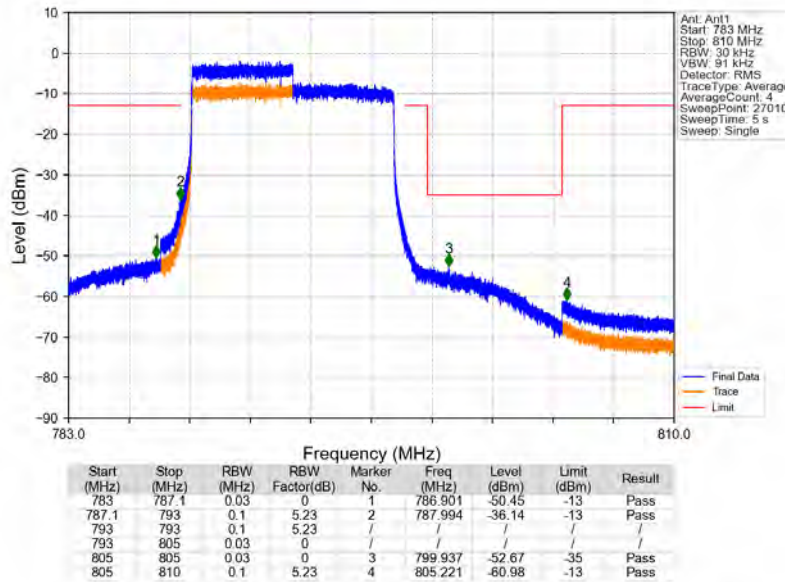
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