

Appendix Q for KSCR2205000668AT-FCC-LTE-Band17

1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	23.64	-3.40	18.09	<=34.77	Pass
			13	23.81	-3.40	18.26	<=34.77	Pass
			24	23.66	-3.40	18.11	<=34.77	Pass
		12	0	22.73	-3.40	17.18	<=34.77	Pass
			6	22.79	-3.40	17.24	<=34.77	Pass
			13	22.78	-3.40	17.23	<=34.77	Pass
		25	0	22.71	-3.40	17.16	<=34.77	Pass
			0	23.66	-3.40	18.11	<=34.77	Pass
			13	23.81	-3.40	18.26	<=34.77	Pass
	710	1	24	23.69	-3.40	18.14	<=34.77	Pass
			0	22.76	-3.40	17.21	<=34.77	Pass
			6	22.83	-3.40	17.28	<=34.77	Pass
		12	13	22.75	-3.40	17.20	<=34.77	Pass
			0	22.74	-3.40	17.19	<=34.77	Pass
			0	23.74	-3.40	18.19	<=34.77	Pass
		1	13	23.86	-3.40	18.31	<=34.77	Pass
			24	23.71	-3.40	18.16	<=34.77	Pass
			0	22.70	-3.40	17.15	<=34.77	Pass
	713.5	12	6	22.80	-3.40	17.25	<=34.77	Pass
			13	22.76	-3.40	17.21	<=34.77	Pass
			0	22.75	-3.40	17.20	<=34.77	Pass
16QAM	706.5	1	0	22.51	-3.40	16.96	<=34.77	Pass
			13	22.61	-3.40	17.06	<=34.77	Pass
			24	22.51	-3.40	16.96	<=34.77	Pass
		12	0	21.67	-3.40	16.12	<=34.77	Pass
			6	21.76	-3.40	16.21	<=34.77	Pass
			13	21.75	-3.40	16.20	<=34.77	Pass
		25	0	21.79	-3.40	16.24	<=34.77	Pass
			0	22.87	-3.40	17.32	<=34.77	Pass
			13	23.01	-3.40	17.46	<=34.77	Pass
	710	1	24	22.92	-3.40	17.37	<=34.77	Pass
			0	21.75	-3.40	16.20	<=34.77	Pass
			6	21.85	-3.40	16.30	<=34.77	Pass
		12	13	21.81	-3.40	16.26	<=34.77	Pass
			0	21.74	-3.40	16.19	<=34.77	Pass
			0	22.76	-3.40	17.21	<=34.77	Pass
		1	13	22.84	-3.40	17.29	<=34.77	Pass
			24	22.64	-3.40	17.09	<=34.77	Pass
			0	21.70	-3.40	16.15	<=34.77	Pass
	713.5	12	6	21.74	-3.40	16.19	<=34.77	Pass
			13	21.75	-3.40	16.20	<=34.77	Pass

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		25	0	21.83	-3.40	16.28	<=34.77	Pass
64QAM	706.5	1	0	21.63	-3.40	16.08	<=34.77	Pass
			13	21.76	-3.40	16.21	<=34.77	Pass
			24	21.61	-3.40	16.06	<=34.77	Pass
		12	0	20.73	-3.40	15.18	<=34.77	Pass
			6	20.80	-3.40	15.25	<=34.77	Pass
			13	20.77	-3.40	15.22	<=34.77	Pass
		25	0	20.83	-3.40	15.28	<=34.77	Pass
	710	1	0	21.79	-3.40	16.24	<=34.77	Pass
			13	21.94	-3.40	16.39	<=34.77	Pass
			24	21.83	-3.40	16.28	<=34.77	Pass
		12	0	20.81	-3.40	15.26	<=34.77	Pass
			6	20.89	-3.40	15.34	<=34.77	Pass
			13	20.84	-3.40	15.29	<=34.77	Pass
		25	0	20.88	-3.40	15.33	<=34.77	Pass
	713.5	1	0	21.83	-3.40	16.28	<=34.77	Pass
			13	21.94	-3.40	16.39	<=34.77	Pass
			24	21.81	-3.40	16.26	<=34.77	Pass
		12	0	20.96	-3.40	15.41	<=34.77	Pass
			6	21.00	-3.40	15.45	<=34.77	Pass
			13	20.93	-3.40	15.38	<=34.77	Pass
		25	0	20.83	-3.40	15.28	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B17_10MHz_ERP

1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	23.74	-3.40	18.19	<=34.77	Pass
			25	23.93	-3.40	18.38	<=34.77	Pass
			49	23.78	-3.40	18.23	<=34.77	Pass
		25	0	22.74	-3.40	17.19	<=34.77	Pass
			13	22.76	-3.40	17.21	<=34.77	Pass
			25	22.81	-3.40	17.26	<=34.77	Pass
		50	0	22.76	-3.40	17.21	<=34.77	Pass
	710	1	0	23.69	-3.40	18.14	<=34.77	Pass
			25	23.95	-3.40	18.40	<=34.77	Pass
			49	23.72	-3.40	18.17	<=34.77	Pass
		25	0	22.70	-3.40	17.15	<=34.77	Pass
			13	22.76	-3.40	17.21	<=34.77	Pass
			25	22.77	-3.40	17.22	<=34.77	Pass
		50	0	22.75	-3.40	17.20	<=34.77	Pass
	711	1	0	23.83	-3.40	18.28	<=34.77	Pass
			25	24.03	-3.40	18.48	<=34.77	Pass
			49	23.80	-3.40	18.25	<=34.77	Pass
		25	0	22.70	-3.40	17.15	<=34.77	Pass
			13	22.87	-3.40	17.32	<=34.77	Pass
			25	22.73	-3.40	17.18	<=34.77	Pass
		50	0	22.78	-3.40	17.23	<=34.77	Pass



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16QAM	709	1	0	23.22	-3.40	17.67	<=34.77	Pass
			25	23.32	-3.40	17.77	<=34.77	Pass
			49	23.16	-3.40	17.61	<=34.77	Pass
		25	0	21.73	-3.40	16.18	<=34.77	Pass
			13	21.85	-3.40	16.30	<=34.77	Pass
			25	21.86	-3.40	16.31	<=34.77	Pass
		50	0	21.77	-3.40	16.22	<=34.77	Pass
	710	1	0	22.68	-3.40	17.13	<=34.77	Pass
			25	22.98	-3.40	17.43	<=34.77	Pass
			49	22.75	-3.40	17.20	<=34.77	Pass
		25	0	21.68	-3.40	16.13	<=34.77	Pass
			13	21.76	-3.40	16.21	<=34.77	Pass
			25	21.80	-3.40	16.25	<=34.77	Pass
		50	0	21.77	-3.40	16.22	<=34.77	Pass
	711	1	0	22.62	-3.40	17.07	<=34.77	Pass
			25	22.85	-3.40	17.30	<=34.77	Pass
			49	22.72	-3.40	17.17	<=34.77	Pass
		25	0	21.87	-3.40	16.32	<=34.77	Pass
			13	21.90	-3.40	16.35	<=34.77	Pass
			25	21.87	-3.40	16.32	<=34.77	Pass
		50	0	21.85	-3.40	16.30	<=34.77	Pass
64QAM	709	1	0	21.94	-3.40	16.39	<=34.77	Pass
			25	22.14	-3.40	16.59	<=34.77	Pass
			49	21.98	-3.40	16.43	<=34.77	Pass
		25	0	20.86	-3.40	15.31	<=34.77	Pass
			13	20.87	-3.40	15.32	<=34.77	Pass
			25	20.92	-3.40	15.37	<=34.77	Pass
		50	0	20.89	-3.40	15.34	<=34.77	Pass
	710	1	0	21.78	-3.40	16.23	<=34.77	Pass
			25	21.97	-3.40	16.42	<=34.77	Pass
			49	21.74	-3.40	16.19	<=34.77	Pass
		25	0	20.92	-3.40	15.37	<=34.77	Pass
			13	20.96	-3.40	15.41	<=34.77	Pass
			25	20.95	-3.40	15.40	<=34.77	Pass
		50	0	20.88	-3.40	15.33	<=34.77	Pass
	711	1	0	21.63	-3.40	16.08	<=34.77	Pass
			25	21.78	-3.40	16.23	<=34.77	Pass
			49	21.60	-3.40	16.05	<=34.77	Pass
		25	0	20.97	-3.40	15.42	<=34.77	Pass
			13	20.99	-3.40	15.44	<=34.77	Pass
			25	20.94	-3.40	15.39	<=34.77	Pass
		50	0	20.94	-3.40	15.39	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Band: 17 / 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	706.5	25	0	20	3.46	-5.406	-0.0077	-2.5 to 2.5	Pass
					3.8	-5.171	-0.0073	-2.5 to 2.5	Pass
					4.35	-4.696	-0.0066	-2.5 to 2.5	Pass
				-30	3.8	-7.011	-0.0099	-2.5 to 2.5	Pass
				-20	3.8	-5.171	-0.0073	-2.5 to 2.5	Pass
				-10	3.8	-2.823	-0.0040	-2.5 to 2.5	Pass
				0	3.8	-3.421	-0.0048	-2.5 to 2.5	Pass
				10	3.8	-5.149	-0.0073	-2.5 to 2.5	Pass
				30	3.8	-8.113	-0.0115	-2.5 to 2.5	Pass
				40	3.8	-5.782	-0.0082	-2.5 to 2.5	Pass
				50	3.8	-5.399	-0.0076	-2.5 to 2.5	Pass
	710	25	0	20	3.46	-5.556	-0.0078	-2.5 to 2.5	Pass
					3.8	-5.772	-0.0081	-2.5 to 2.5	Pass
					4.35	-4.619	-0.0065	-2.5 to 2.5	Pass
				-30	3.8	-6.598	-0.0093	-2.5 to 2.5	Pass
				-20	3.8	-6.892	-0.0097	-2.5 to 2.5	Pass
				-10	3.8	-9.279	-0.0131	-2.5 to 2.5	Pass
				0	3.8	-2.842	-0.0040	-2.5 to 2.5	Pass
				10	3.8	-5.110	-0.0072	-2.5 to 2.5	Pass
				30	3.8	-7.333	-0.0103	-2.5 to 2.5	Pass
				40	3.8	-2.530	-0.0036	-2.5 to 2.5	Pass
				50	3.8	-10.731	-0.0151	-2.5 to 2.5	Pass
	713.5	25	0	20	3.46	-3.024	-0.0042	-2.5 to 2.5	Pass
					3.8	-11.016	-0.0154	-2.5 to 2.5	Pass
					4.35	-11.052	-0.0155	-2.5 to 2.5	Pass
				-30	3.8	-11.659	-0.0163	-2.5 to 2.5	Pass
				-20	3.8	-11.621	-0.0163	-2.5 to 2.5	Pass
				-10	3.8	-15.092	-0.0212	-2.5 to 2.5	Pass
				0	3.8	-8.811	-0.0123	-2.5 to 2.5	Pass
				10	3.8	-7.693	-0.0108	-2.5 to 2.5	Pass
				30	3.8	-7.863	-0.0110	-2.5 to 2.5	Pass
				40	3.8	-11.497	-0.0161	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.46	-2.022	-0.0029	-2.5 to 2.5	Pass
					3.8	-3.004	-0.0043	-2.5 to 2.5	Pass
					4.35	-6.696	-0.0095	-2.5 to 2.5	Pass
				-30	3.8	-4.289	-0.0061	-2.5 to 2.5	Pass
				-20	3.8	-4.922	-0.0070	-2.5 to 2.5	Pass
				-10	3.8	-6.433	-0.0091	-2.5 to 2.5	Pass
				0	3.8	-8.266	-0.0117	-2.5 to 2.5	Pass
				10	3.8	-2.385	-0.0034	-2.5 to 2.5	Pass
				30	3.8	-3.853	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-4.111	-0.0058	-2.5 to 2.5	Pass
	710	25	0	20	3.46	-6.753	-0.0095	-2.5 to 2.5	Pass
					3.8	-9.199	-0.0130	-2.5 to 2.5	Pass
					4.35	-3.106	-0.0044	-2.5 to 2.5	Pass
				-30	3.8	0.668	0.0009	-2.5 to 2.5	Pass
				-20	3.8	-2.949	-0.0042	-2.5 to 2.5	Pass
				-10	3.8	-3.850	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-5.497	-0.0077	-2.5 to 2.5	Pass
				10	3.8	-6.872	-0.0097	-2.5 to 2.5	Pass

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	713.5	25	0	30	3.8	-4.693	-0.0066	-2.5 to 2.5	Pass
				40	3.8	-7.289	-0.0103	-2.5 to 2.5	Pass
				50	3.8	-5.638	-0.0079	-2.5 to 2.5	Pass
				20	3.46	-5.534	-0.0078	-2.5 to 2.5	Pass
					3.8	-4.785	-0.0067	-2.5 to 2.5	Pass
					4.35	-4.343	-0.0061	-2.5 to 2.5	Pass
				-30	3.8	-3.450	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-5.704	-0.0080	-2.5 to 2.5	Pass
				-10	3.8	-5.935	-0.0083	-2.5 to 2.5	Pass
				0	3.8	-3.939	-0.0055	-2.5 to 2.5	Pass
				10	3.8	-2.576	-0.0036	-2.5 to 2.5	Pass
				30	3.8	-8.555	-0.0120	-2.5 to 2.5	Pass
				40	3.8	-4.678	-0.0066	-2.5 to 2.5	Pass
				50	3.8	-6.498	-0.0091	-2.5 to 2.5	Pass
64QAM	706.5	25	0	20	3.46	-8.423	-0.0119	-2.5 to 2.5	Pass
					3.8	-4.659	-0.0066	-2.5 to 2.5	Pass
					4.35	-8.114	-0.0115	-2.5 to 2.5	Pass
				-30	3.8	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	3.8	-7.261	-0.0103	-2.5 to 2.5	Pass
				-10	3.8	-1.828	-0.0026	-2.5 to 2.5	Pass
				0	3.8	-1.311	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-3.492	-0.0049	-2.5 to 2.5	Pass
				30	3.8	-4.265	-0.0060	-2.5 to 2.5	Pass
				40	3.8	-6.030	-0.0085	-2.5 to 2.5	Pass
				50	3.8	-3.921	-0.0055	-2.5 to 2.5	Pass
	710	25	0	20	3.46	-4.811	-0.0068	-2.5 to 2.5	Pass
					3.8	-2.658	-0.0037	-2.5 to 2.5	Pass
					4.35	-7.433	-0.0105	-2.5 to 2.5	Pass
				-30	3.8	-6.742	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-6.287	-0.0089	-2.5 to 2.5	Pass
				-10	3.8	1.523	0.0021	-2.5 to 2.5	Pass
				0	3.8	1.772	0.0025	-2.5 to 2.5	Pass
				10	3.8	-2.627	-0.0037	-2.5 to 2.5	Pass
				30	3.8	-0.795	-0.0011	-2.5 to 2.5	Pass
				40	3.8	-5.492	-0.0077	-2.5 to 2.5	Pass
				50	3.8	-7.256	-0.0102	-2.5 to 2.5	Pass
	713.5	25	0	20	3.46	-4.336	-0.0061	-2.5 to 2.5	Pass
					3.8	-7.405	-0.0104	-2.5 to 2.5	Pass
					4.35	-5.842	-0.0082	-2.5 to 2.5	Pass
				-30	3.8	-2.707	-0.0038	-2.5 to 2.5	Pass
				-20	3.8	-9.215	-0.0129	-2.5 to 2.5	Pass
				-10	3.8	-9.183	-0.0129	-2.5 to 2.5	Pass
				0	3.8	-9.386	-0.0132	-2.5 to 2.5	Pass
				10	3.8	-10.981	-0.0154	-2.5 to 2.5	Pass
				30	3.8	-7.994	-0.0112	-2.5 to 2.5	Pass
				40	3.8	-9.750	-0.0137	-2.5 to 2.5	Pass
				50	3.8	-9.878	-0.0138	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result



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Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.46	-5.245	-0.0074	-2.5 to 2.5	Pass
					3.8	-2.050	-0.0029	-2.5 to 2.5	Pass
					4.35	-1.215	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-2.486	-0.0035	-2.5 to 2.5	Pass
					3.8	-4.017	-0.0057	-2.5 to 2.5	Pass
					3.8	-2.115	-0.0030	-2.5 to 2.5	Pass
				0	3.8	-1.628	-0.0023	-2.5 to 2.5	Pass
					3.8	-6.829	-0.0096	-2.5 to 2.5	Pass
					3.8	-7.320	-0.0103	-2.5 to 2.5	Pass
				40	3.8	-7.079	-0.0100	-2.5 to 2.5	Pass
					3.8	-7.062	-0.0100	-2.5 to 2.5	Pass
					3.8	-7.062	-0.0100	-2.5 to 2.5	Pass
	710	50	0	20	3.46	-3.809	-0.0054	-2.5 to 2.5	Pass
					3.8	-4.141	-0.0058	-2.5 to 2.5	Pass
					4.35	-1.900	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-4.628	-0.0065	-2.5 to 2.5	Pass
					3.8	-4.927	-0.0069	-2.5 to 2.5	Pass
					3.8	-2.008	-0.0028	-2.5 to 2.5	Pass
				0	3.8	-5.325	-0.0075	-2.5 to 2.5	Pass
					3.8	-3.532	-0.0050	-2.5 to 2.5	Pass
					3.8	-8.134	-0.0115	-2.5 to 2.5	Pass
				40	3.8	-3.440	-0.0048	-2.5 to 2.5	Pass
					3.8	-3.782	-0.0053	-2.5 to 2.5	Pass
					3.8	-3.782	-0.0053	-2.5 to 2.5	Pass
	711	50	0	20	3.46	-2.749	-0.0039	-2.5 to 2.5	Pass
					3.8	-6.520	-0.0092	-2.5 to 2.5	Pass
					4.35	-8.371	-0.0118	-2.5 to 2.5	Pass
				-30	3.8	-4.636	-0.0065	-2.5 to 2.5	Pass
					3.8	-3.315	-0.0047	-2.5 to 2.5	Pass
					3.8	-3.536	-0.0050	-2.5 to 2.5	Pass
				0	3.8	-5.561	-0.0078	-2.5 to 2.5	Pass
					3.8	-5.883	-0.0083	-2.5 to 2.5	Pass
					3.8	-2.155	-0.0030	-2.5 to 2.5	Pass
				40	3.8	-3.425	-0.0048	-2.5 to 2.5	Pass
					3.8	-0.766	-0.0011	-2.5 to 2.5	Pass
					3.8	-0.766	-0.0011	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.46	-10.045	-0.0142	-2.5 to 2.5	Pass
					3.8	-5.440	-0.0077	-2.5 to 2.5	Pass
					4.35	-8.977	-0.0127	-2.5 to 2.5	Pass
				-30	3.8	-5.951	-0.0084	-2.5 to 2.5	Pass
					3.8	-3.097	-0.0044	-2.5 to 2.5	Pass
					3.8	-8.377	-0.0118	-2.5 to 2.5	Pass
				0	3.8	-8.310	-0.0117	-2.5 to 2.5	Pass
					3.8	-9.368	-0.0132	-2.5 to 2.5	Pass
					3.8	-4.376	-0.0062	-2.5 to 2.5	Pass
				40	3.8	-4.828	-0.0068	-2.5 to 2.5	Pass
					3.8	-4.922	-0.0069	-2.5 to 2.5	Pass
					3.8	-4.922	-0.0069	-2.5 to 2.5	Pass
	710	50	0	20	3.46	-2.239	-0.0032	-2.5 to 2.5	Pass
					3.8	-6.702	-0.0094	-2.5 to 2.5	Pass
					4.35	-4.941	-0.0070	-2.5 to 2.5	Pass
				-30	3.8	-8.644	-0.0122	-2.5 to 2.5	Pass
					3.8	-7.214	-0.0102	-2.5 to 2.5	Pass
					3.8	-10.037	-0.0141	-2.5 to 2.5	Pass
				0	3.8	-9.841	-0.0139	-2.5 to 2.5	Pass
					3.8	-9.841	-0.0139	-2.5 to 2.5	Pass
					3.8	-9.841	-0.0139	-2.5 to 2.5	Pass
				40	3.8	-9.841	-0.0139	-2.5 to 2.5	Pass
					3.8	-9.841	-0.0139	-2.5 to 2.5	Pass
					3.8	-9.841	-0.0139	-2.5 to 2.5	Pass



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64QAM				10	3.8	-9.539	-0.0134	-2.5 to 2.5	Pass
				30	3.8	-5.035	-0.0071	-2.5 to 2.5	Pass
				40	3.8	-7.963	-0.0112	-2.5 to 2.5	Pass
				50	3.8	-5.296	-0.0075	-2.5 to 2.5	Pass
	711	50	0	20	3.46	-6.159	-0.0087	-2.5 to 2.5	Pass
					3.8	-1.673	-0.0024	-2.5 to 2.5	Pass
					4.35	-5.040	-0.0071	-2.5 to 2.5	Pass
				-30	3.8	-0.965	-0.0014	-2.5 to 2.5	Pass
				-20	3.8	-6.297	-0.0089	-2.5 to 2.5	Pass
				-10	3.8	-3.074	-0.0043	-2.5 to 2.5	Pass
				0	3.8	-1.136	-0.0016	-2.5 to 2.5	Pass
				10	3.8	-2.987	-0.0042	-2.5 to 2.5	Pass
				30	3.8	-1.707	-0.0024	-2.5 to 2.5	Pass
				40	3.8	-4.540	-0.0064	-2.5 to 2.5	Pass
				50	3.8	-5.311	-0.0075	-2.5 to 2.5	Pass
	709	50	0	20	3.46	-1.809	-0.0026	-2.5 to 2.5	Pass
					3.8	-10.706	-0.0151	-2.5 to 2.5	Pass
					4.35	-10.708	-0.0151	-2.5 to 2.5	Pass
				-30	3.8	-7.645	-0.0108	-2.5 to 2.5	Pass
				-20	3.8	-4.743	-0.0067	-2.5 to 2.5	Pass
				-10	3.8	-2.586	-0.0036	-2.5 to 2.5	Pass
				0	3.8	-9.338	-0.0132	-2.5 to 2.5	Pass
				10	3.8	-6.445	-0.0091	-2.5 to 2.5	Pass
				30	3.8	-12.192	-0.0172	-2.5 to 2.5	Pass
				40	3.8	-6.568	-0.0093	-2.5 to 2.5	Pass
				50	3.8	-3.799	-0.0054	-2.5 to 2.5	Pass
	710	50	0	20	3.46	-5.216	-0.0073	-2.5 to 2.5	Pass
					3.8	-5.369	-0.0076	-2.5 to 2.5	Pass
					4.35	-8.260	-0.0116	-2.5 to 2.5	Pass
				-30	3.8	-5.856	-0.0082	-2.5 to 2.5	Pass
				-20	3.8	-2.872	-0.0040	-2.5 to 2.5	Pass
				-10	3.8	-5.932	-0.0084	-2.5 to 2.5	Pass
				0	3.8	-7.204	-0.0101	-2.5 to 2.5	Pass
				10	3.8	-3.904	-0.0055	-2.5 to 2.5	Pass
				30	3.8	-5.701	-0.0080	-2.5 to 2.5	Pass
				40	3.8	-7.454	-0.0105	-2.5 to 2.5	Pass
				50	3.8	-8.142	-0.0115	-2.5 to 2.5	Pass
	711	50	0	20	3.46	-4.556	-0.0064	-2.5 to 2.5	Pass
					3.8	-1.769	-0.0025	-2.5 to 2.5	Pass
					4.35	-1.234	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-1.286	-0.0018	-2.5 to 2.5	Pass
				-20	3.8	-3.753	-0.0053	-2.5 to 2.5	Pass
				-10	3.8	-3.426	-0.0048	-2.5 to 2.5	Pass
				0	3.8	-4.404	-0.0062	-2.5 to 2.5	Pass
				10	3.8	-4.208	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-3.541	-0.0050	-2.5 to 2.5	Pass
				40	3.8	-6.080	-0.0086	-2.5 to 2.5	Pass
				50	3.8	-8.209	-0.0115	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 B17_5MHz



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3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass
64QAM	710	25	0	Refer To Test Graph		Pass



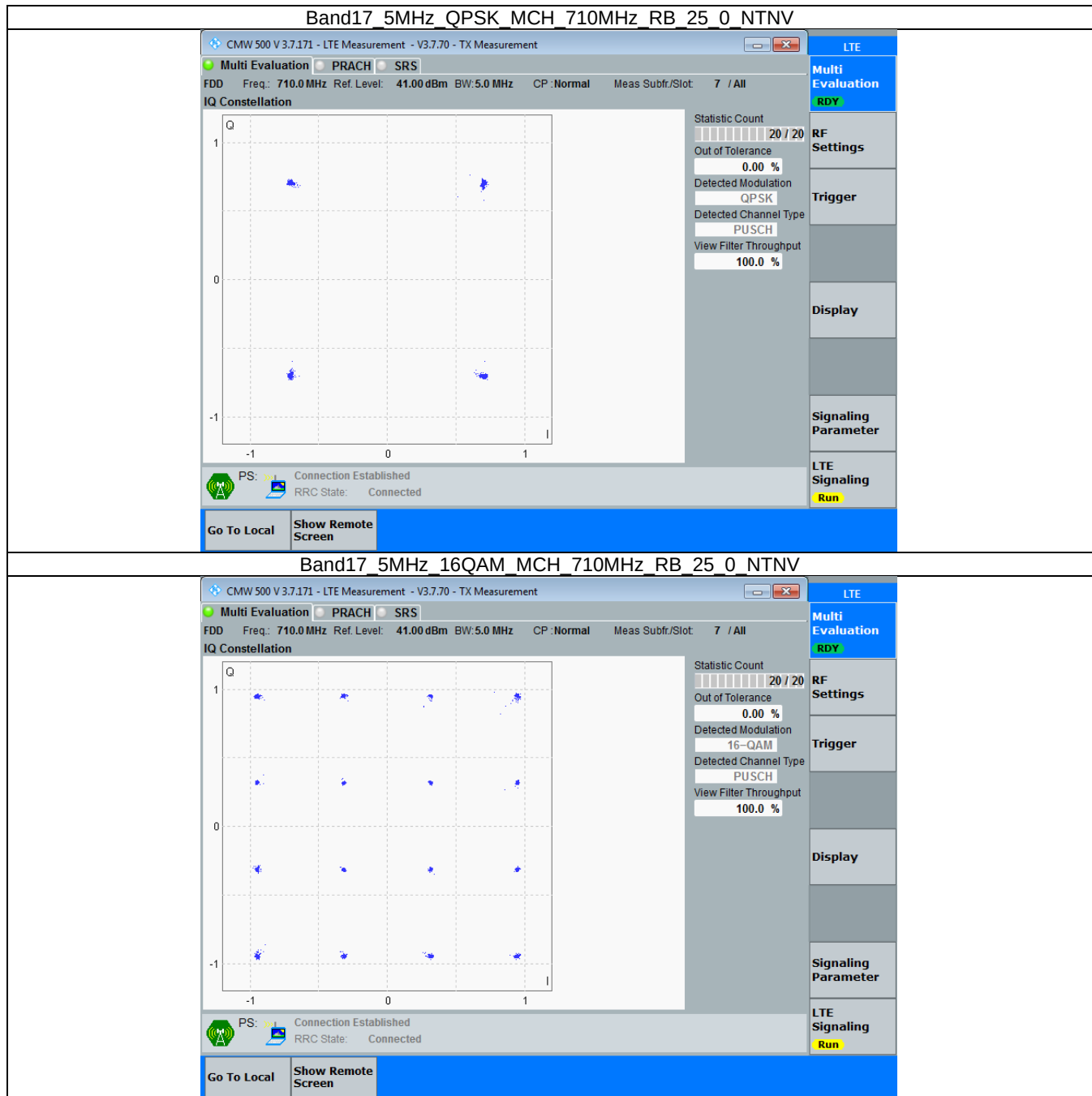
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3.1.2 Test Graph

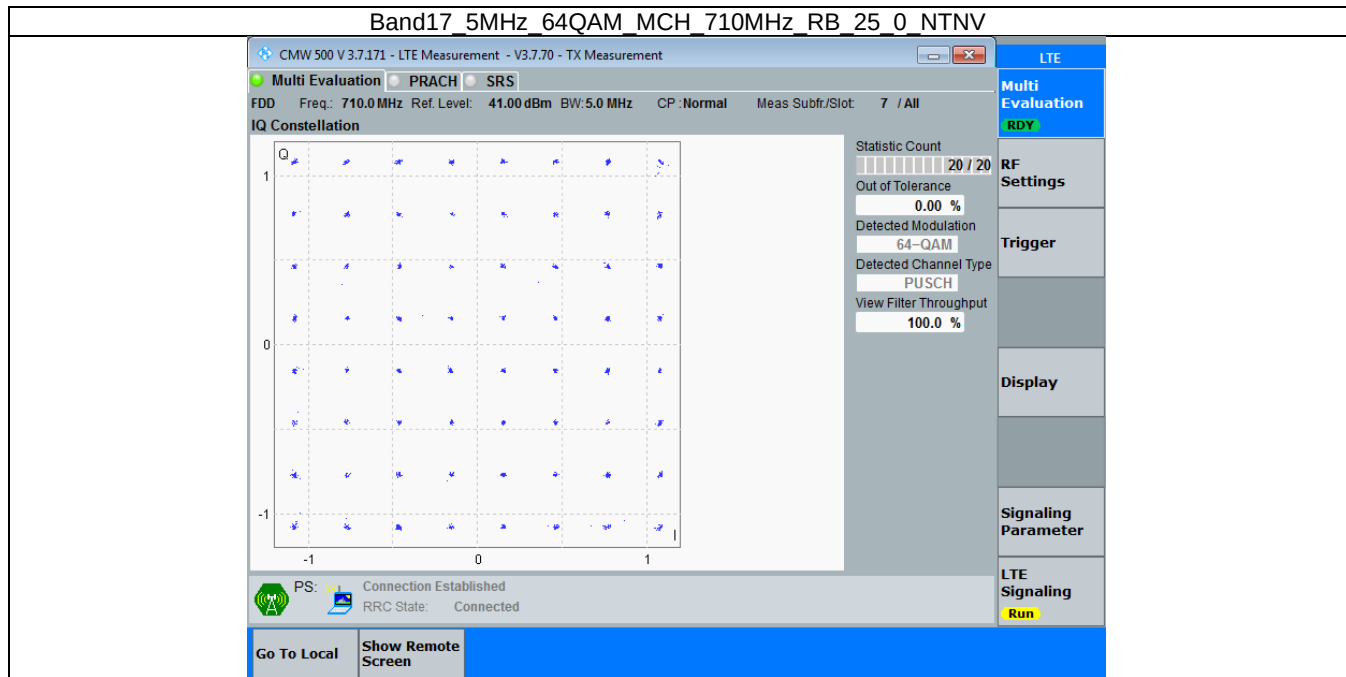


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3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	710	50	0	Refer To Test Graph	Pass
16QAM	710	50	0	Refer To Test Graph	Pass
64QAM	710	50	0	Refer To Test Graph	Pass



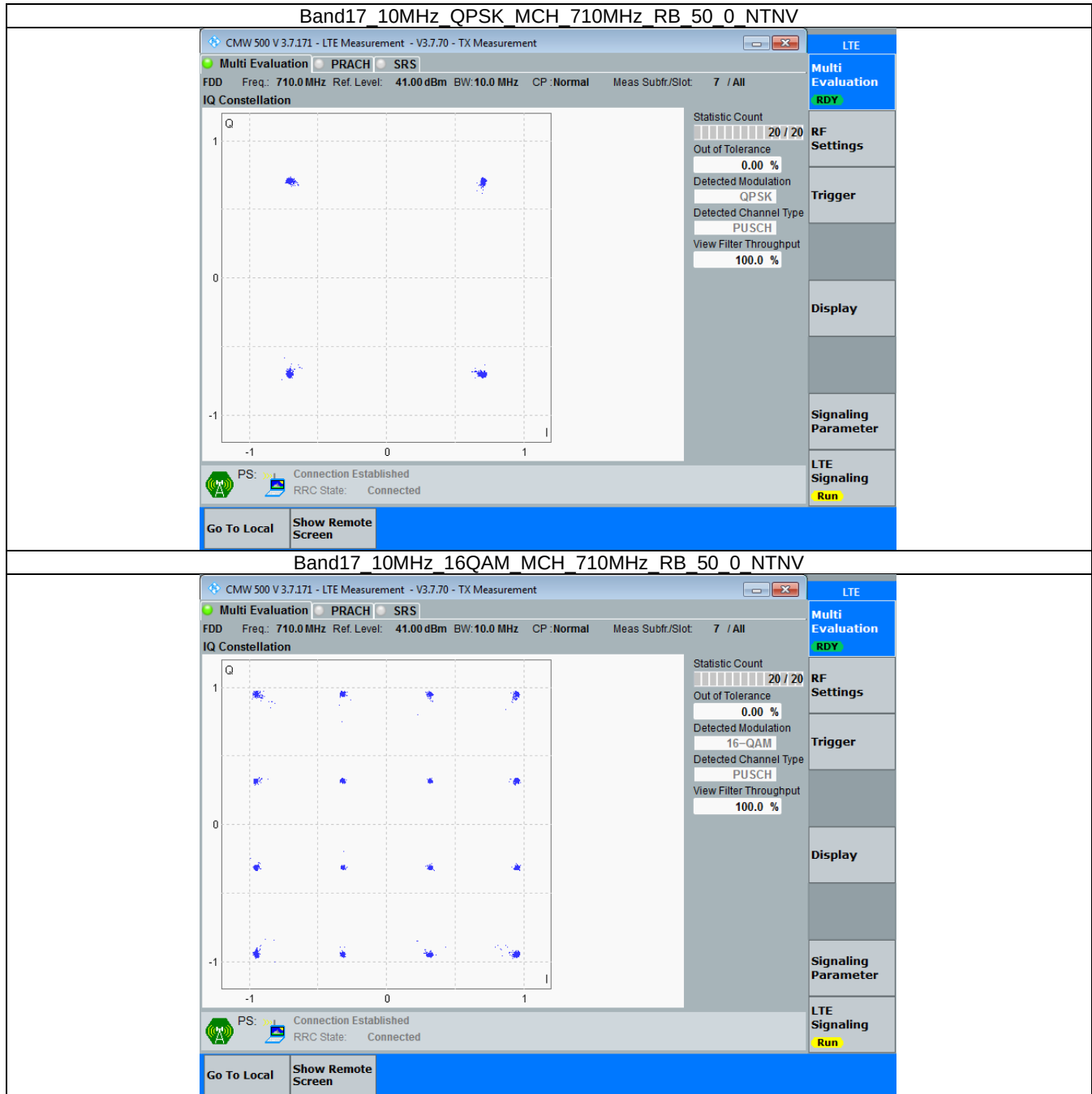
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3.2.2 Test Graph

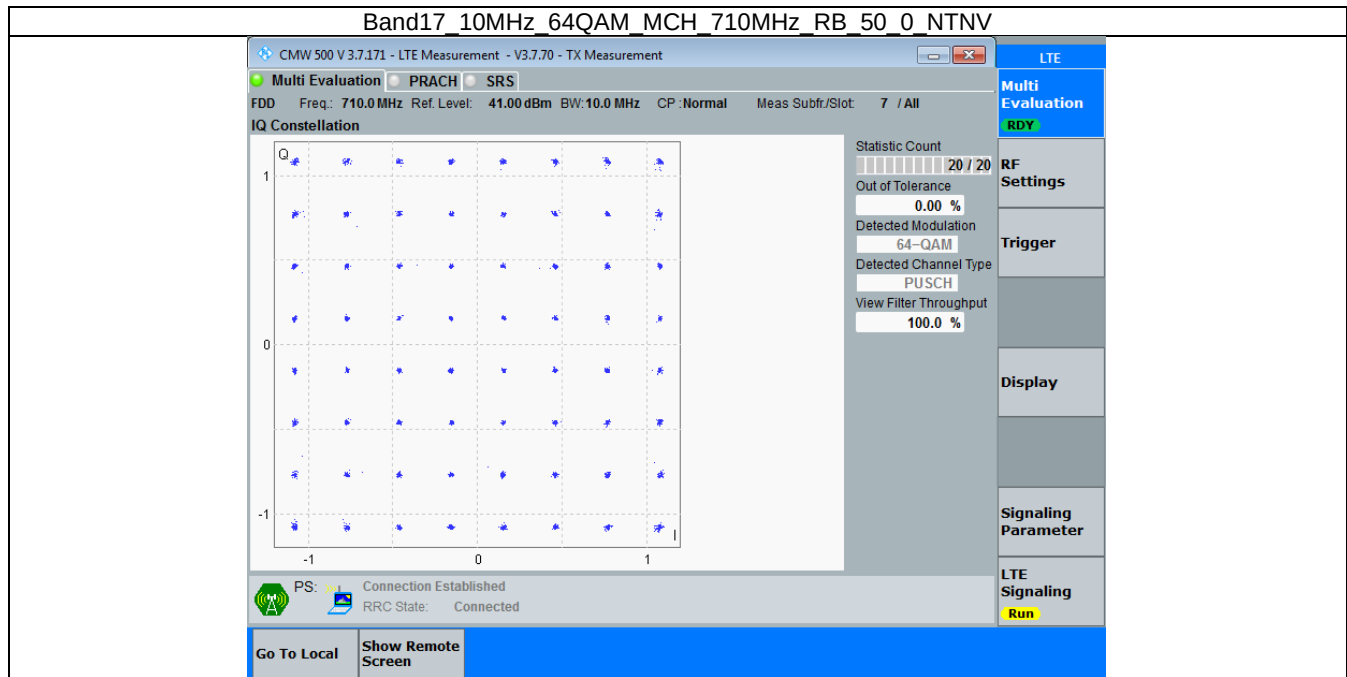


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4. 99% & 26dB Bandwidth

4.1 Band17_OBW

4.1.1 Test Result

Band: 17 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.561	Pass
		710	25	0	4.571	Pass
		713.5	25	0	4.554	Pass
	16QAM	706.5	25	0	4.557	Pass
		710	25	0	4.596	Pass
		713.5	25	0	4.602	Pass
	64QAM	706.5	25	0	4.563	Pass
		710	25	0	4.585	Pass
		713.5	25	0	4.564	Pass
10	QPSK	709	50	0	9.064	Pass
		710	50	0	9.065	Pass
		711	50	0	9.100	Pass
	16QAM	709	50	0	9.104	Pass
		710	50	0	9.078	Pass
		711	50	0	9.072	Pass
	64QAM	709	50	0	9.102	Pass
		710	50	0	9.066	Pass
		711	50	0	9.088	Pass



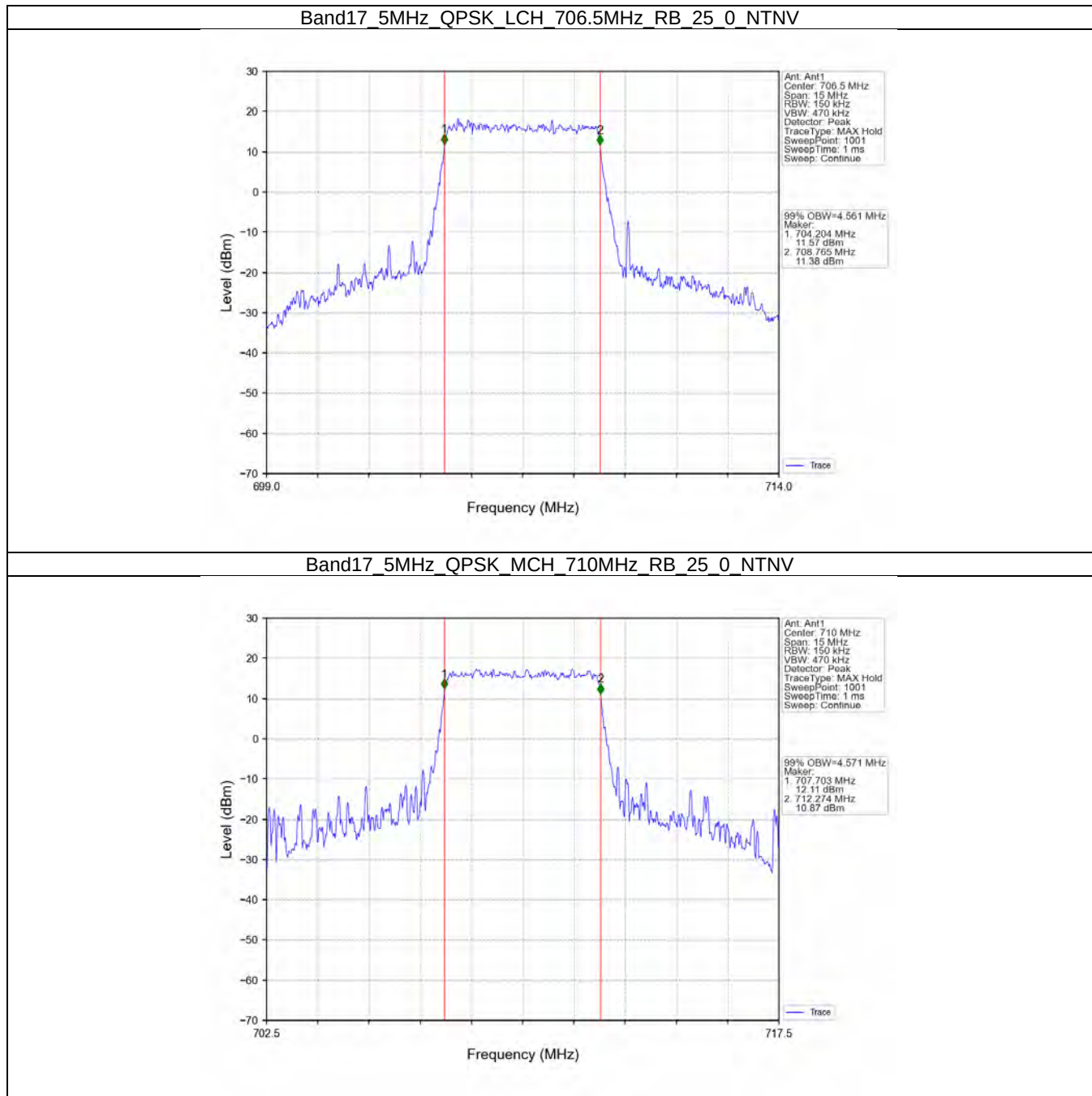
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4.1.2 Test Graph



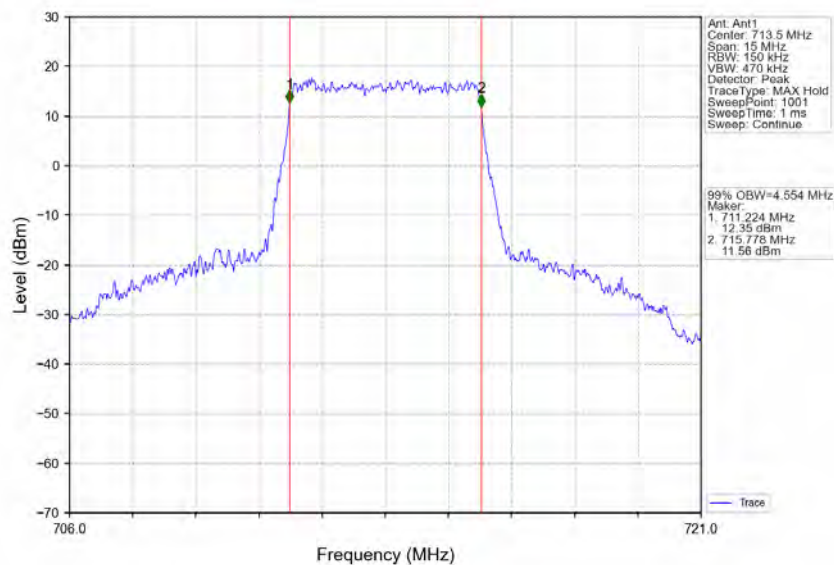
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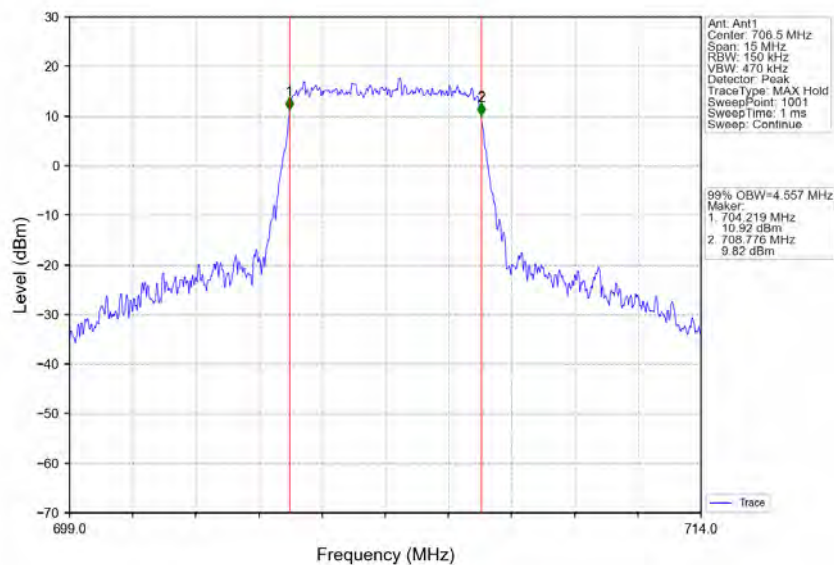
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Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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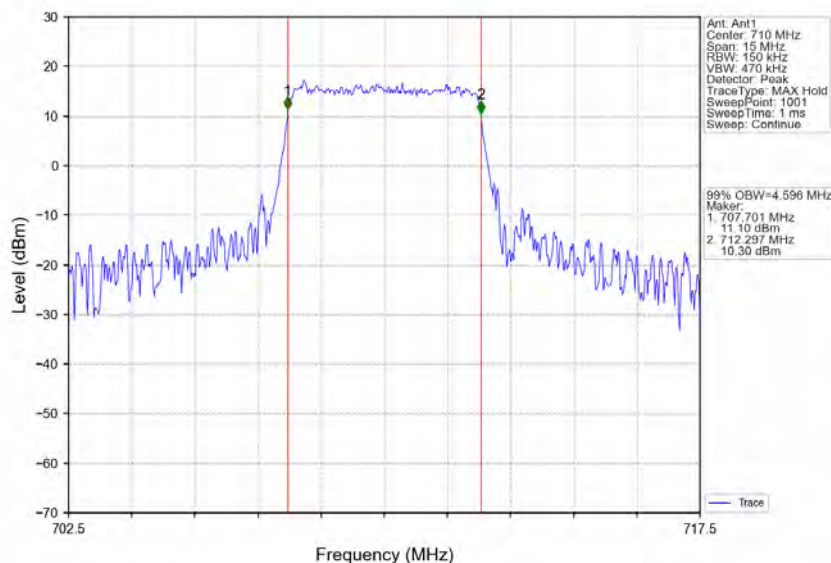
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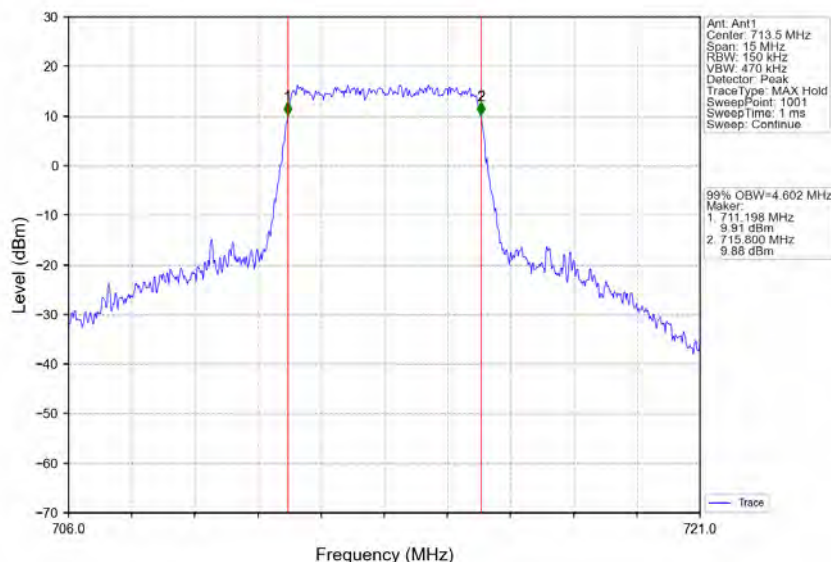
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Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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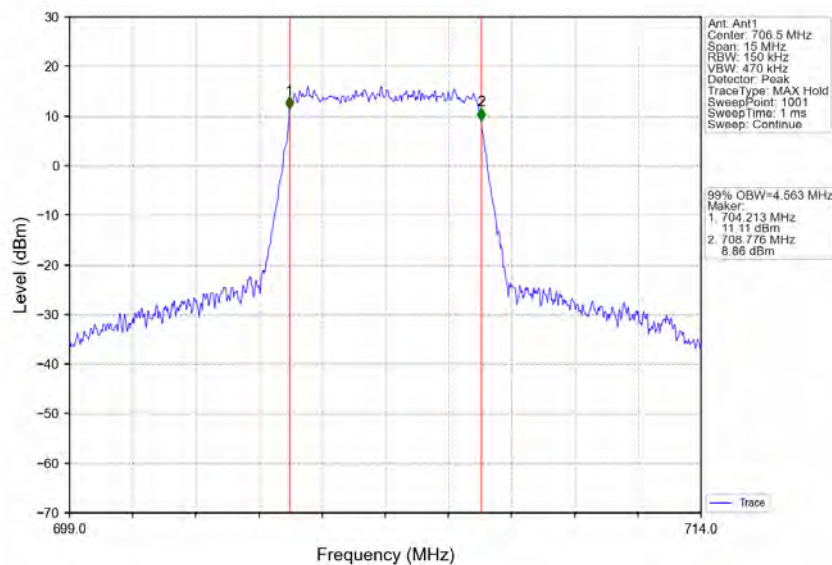
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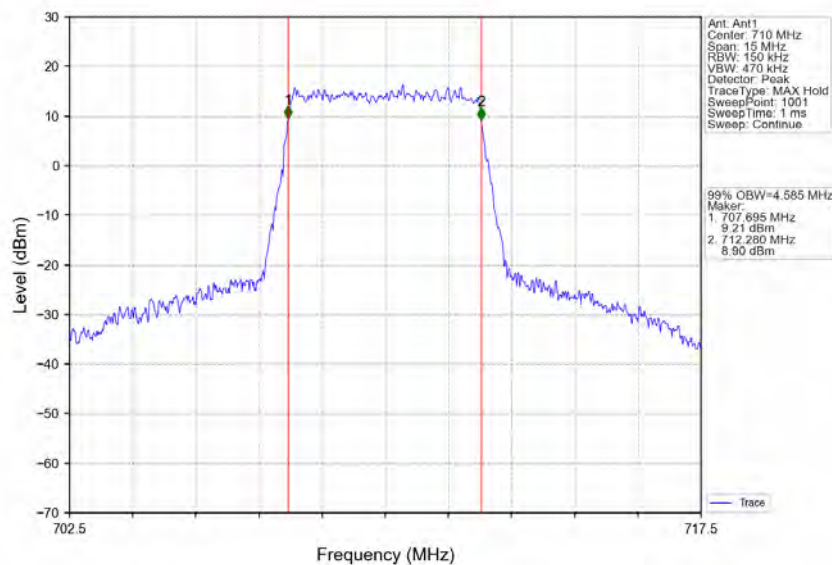
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Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



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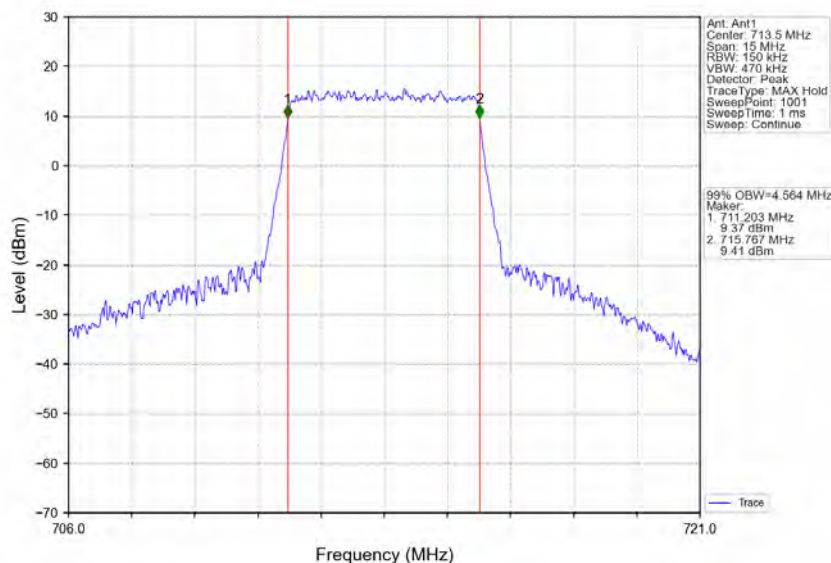
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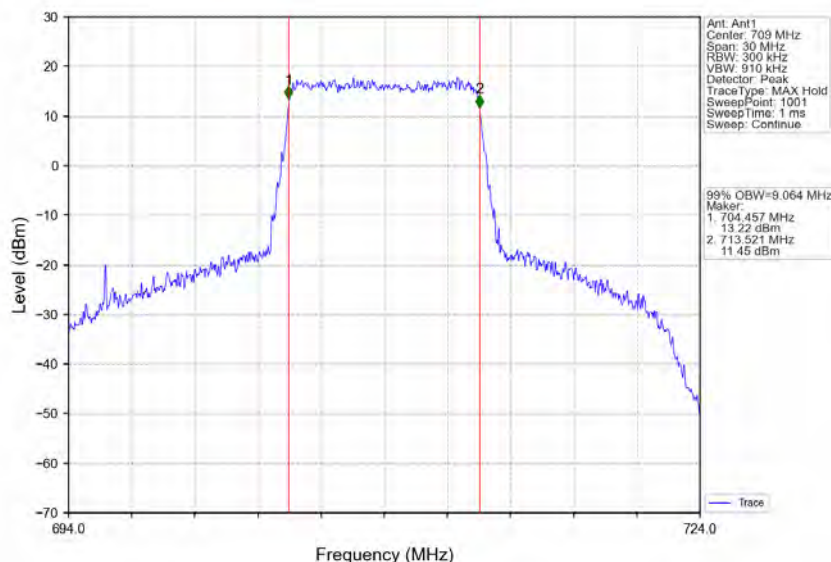
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Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



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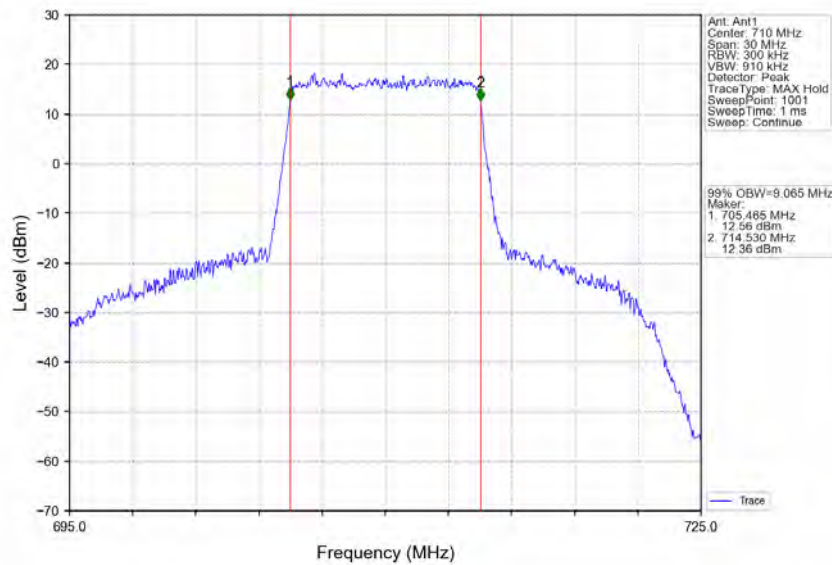
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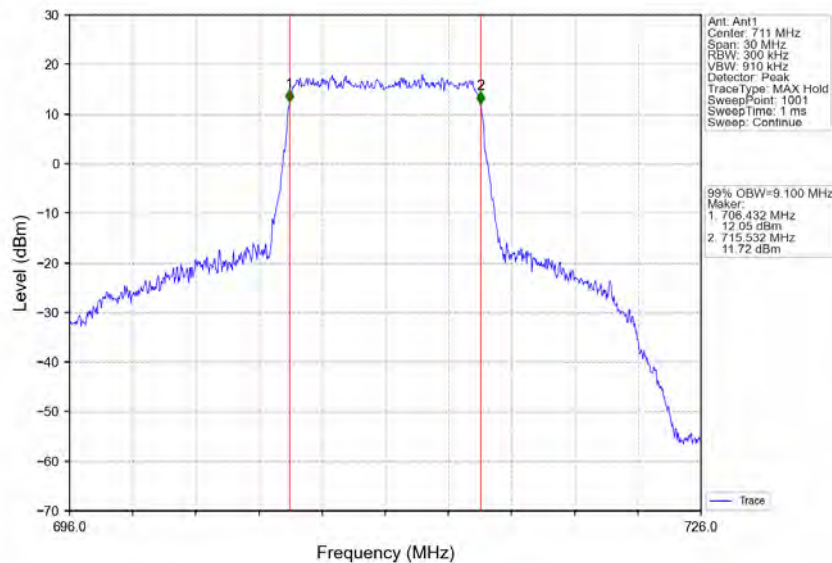
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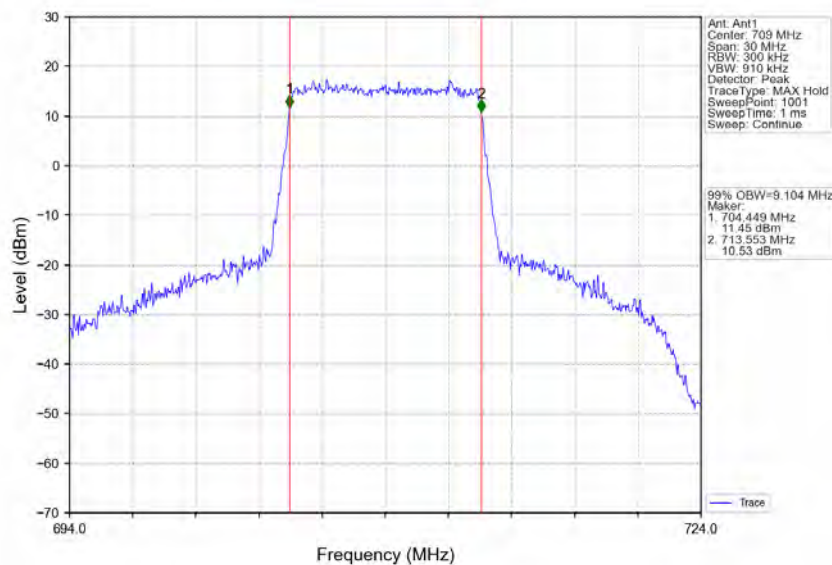
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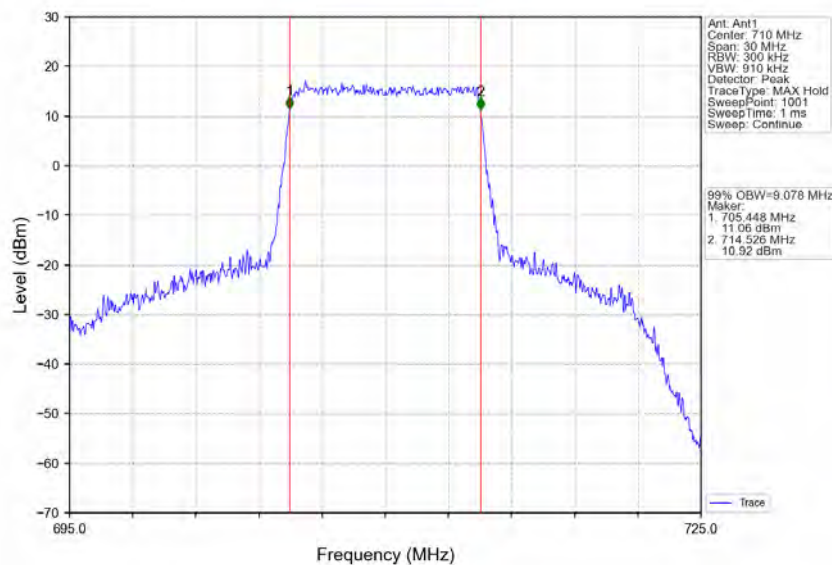
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Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



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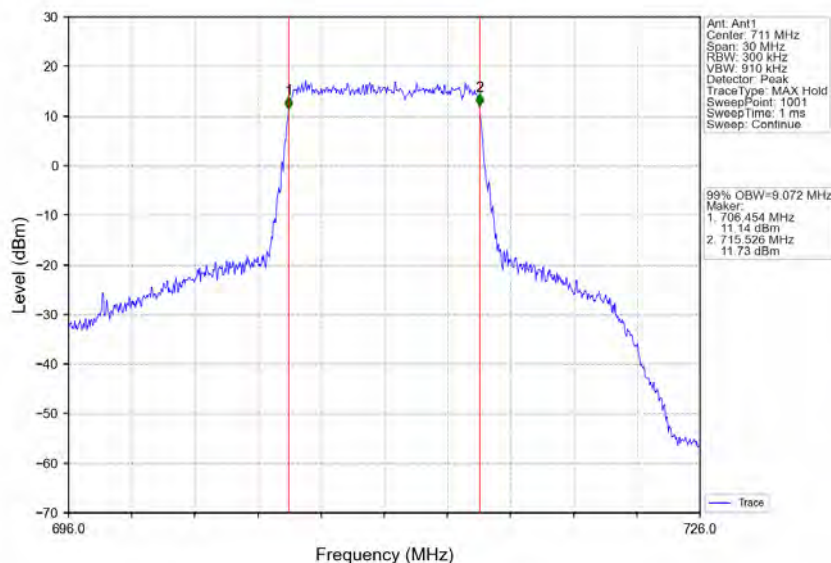
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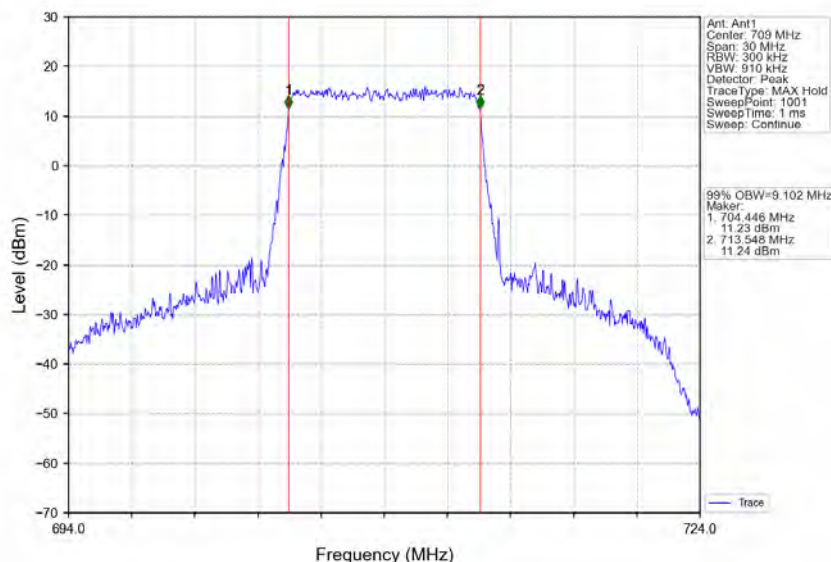
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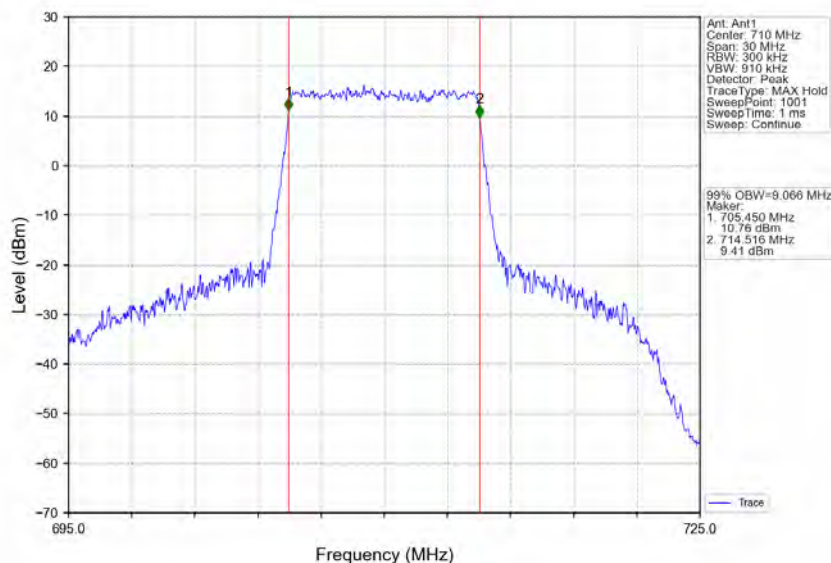
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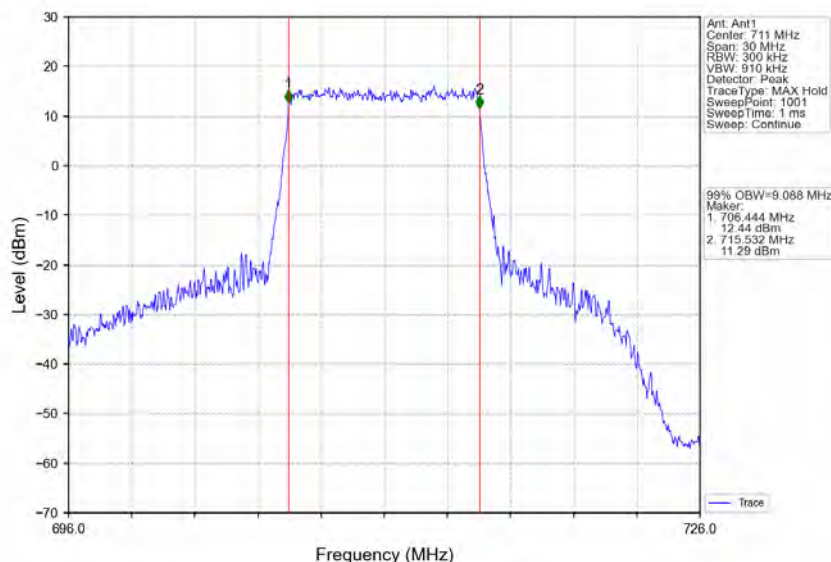
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4.2 Band17_XDB

4.2.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	5.719	Pass
		710	25	0	5.748	Pass
		713.5	25	0	5.302	Pass
	16QAM	706.5	25	0	5.273	Pass
		710	25	0	5.676	Pass
		713.5	25	0	5.297	Pass
	64QAM	706.5	25	0	5.246	Pass
		710	25	0	5.261	Pass
		713.5	25	0	5.251	Pass
10	QPSK	709	50	0	10.269	Pass
		710	50	0	10.231	Pass
		711	50	0	10.276	Pass
	16QAM	709	50	0	10.210	Pass
		710	50	0	10.249	Pass
		711	50	0	10.297	Pass
	64QAM	709	50	0	10.287	Pass
		710	50	0	10.200	Pass
		711	50	0	10.236	Pass



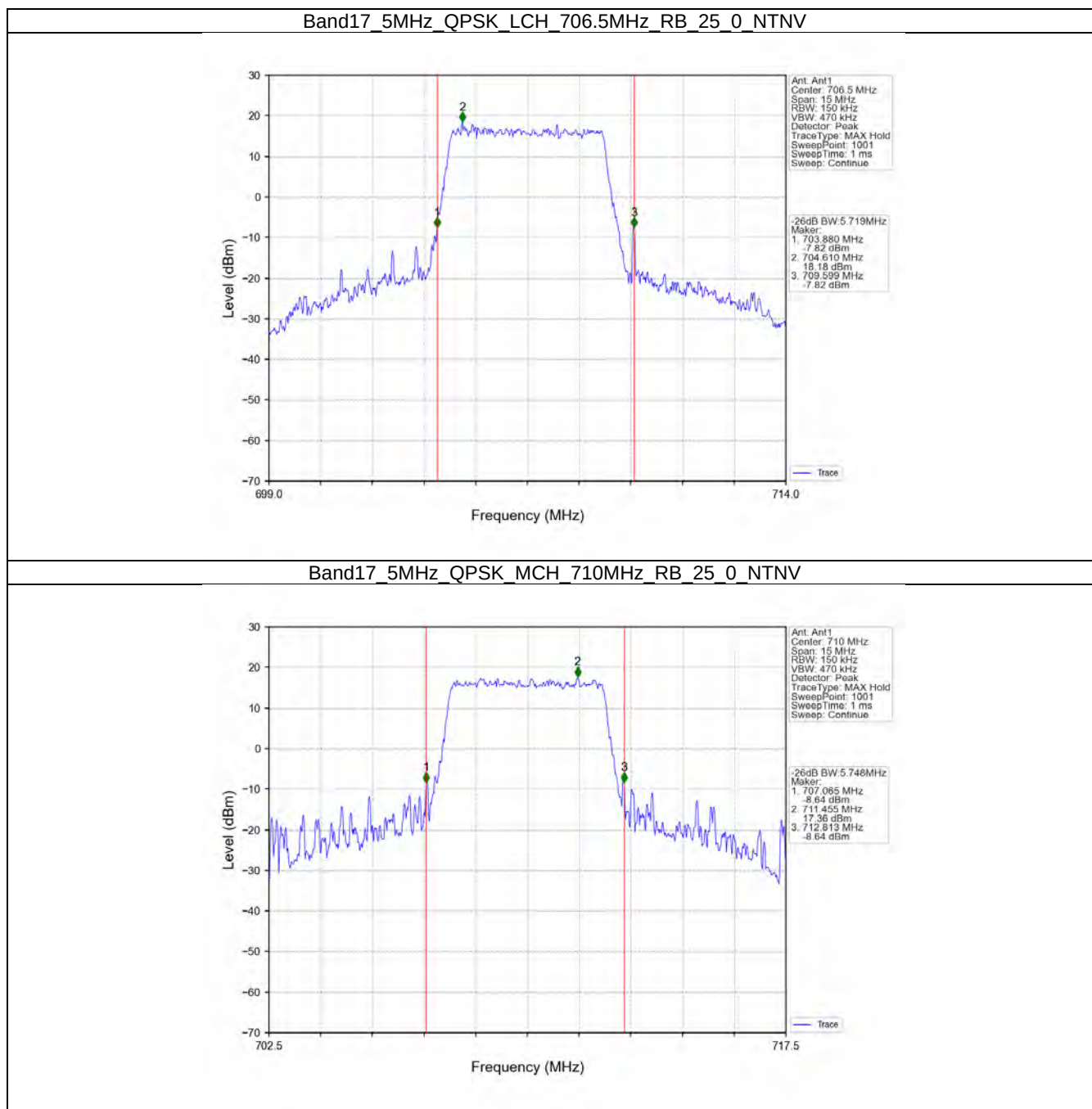
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4.2.2 Test Graph



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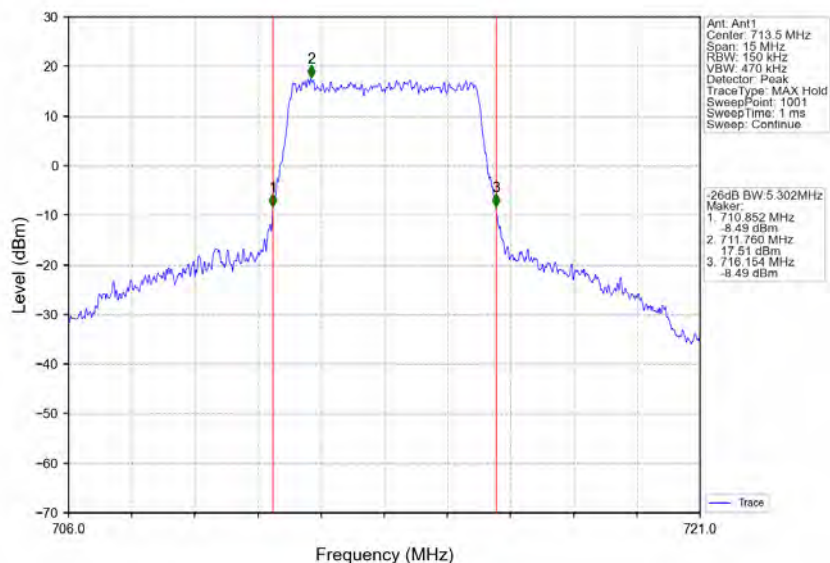
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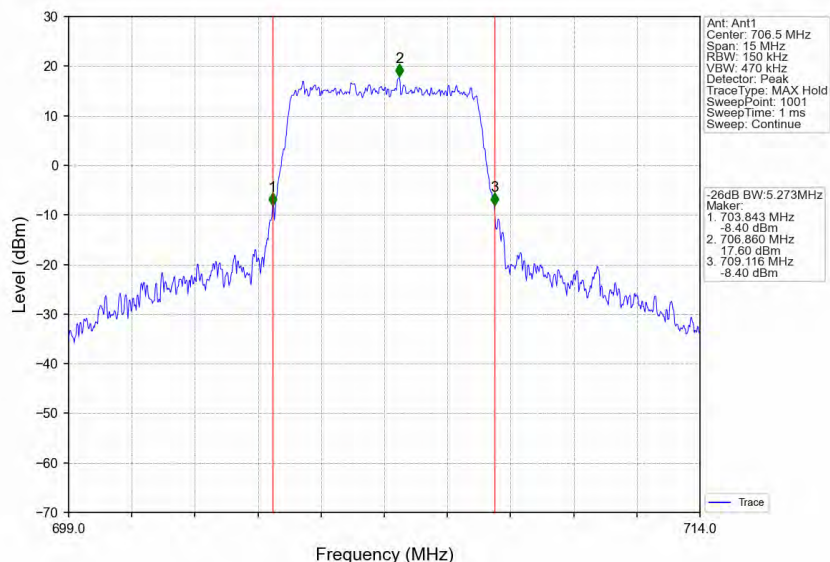
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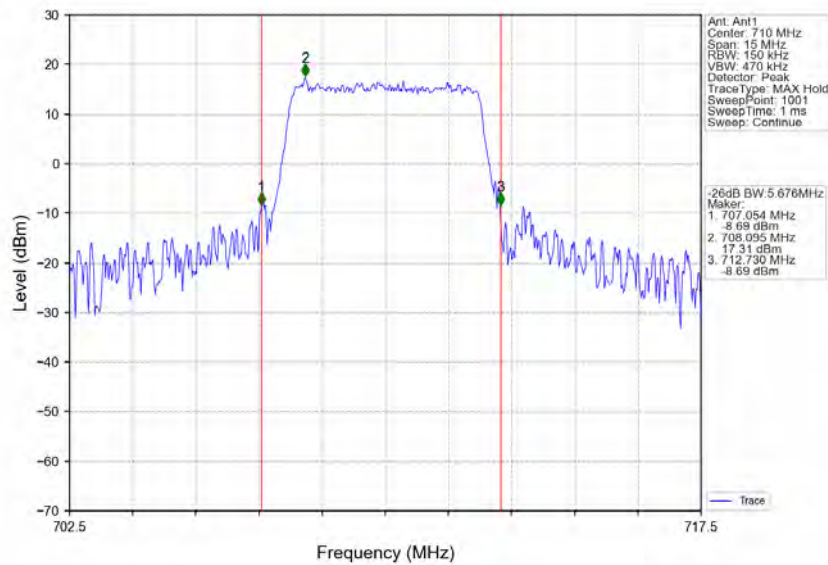
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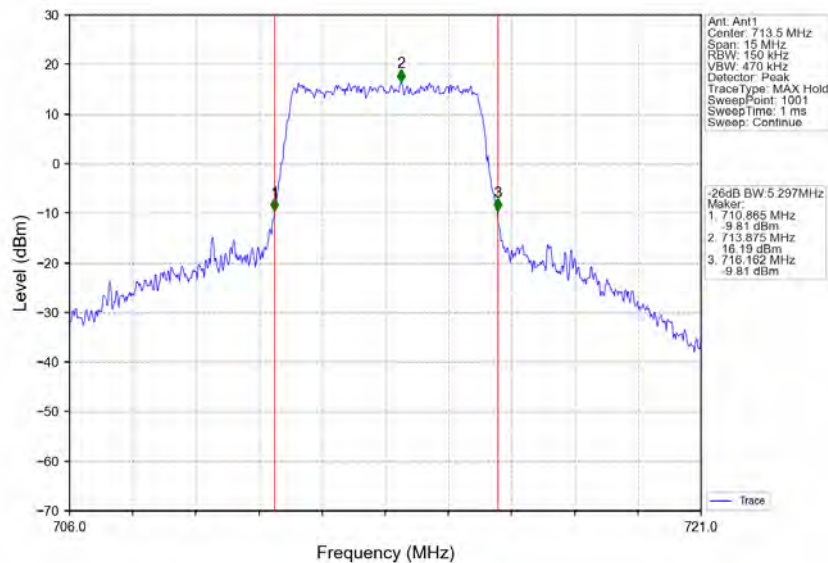
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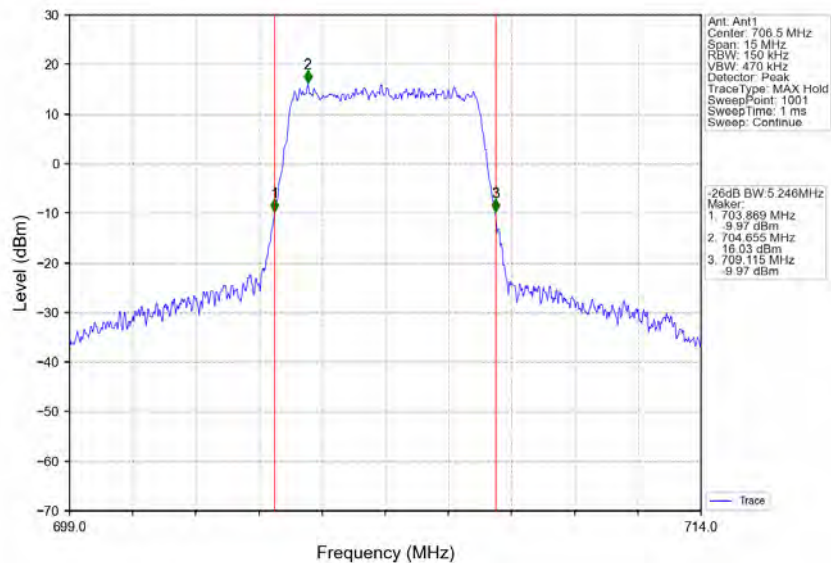
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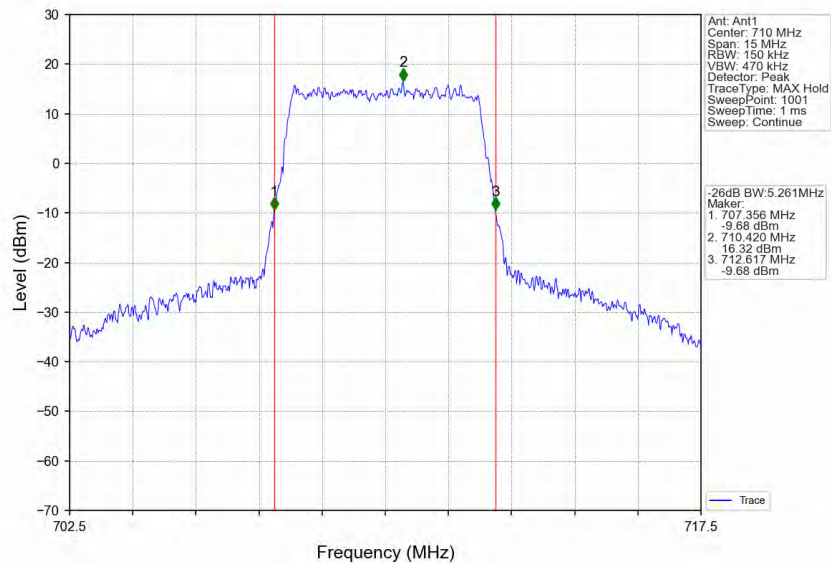
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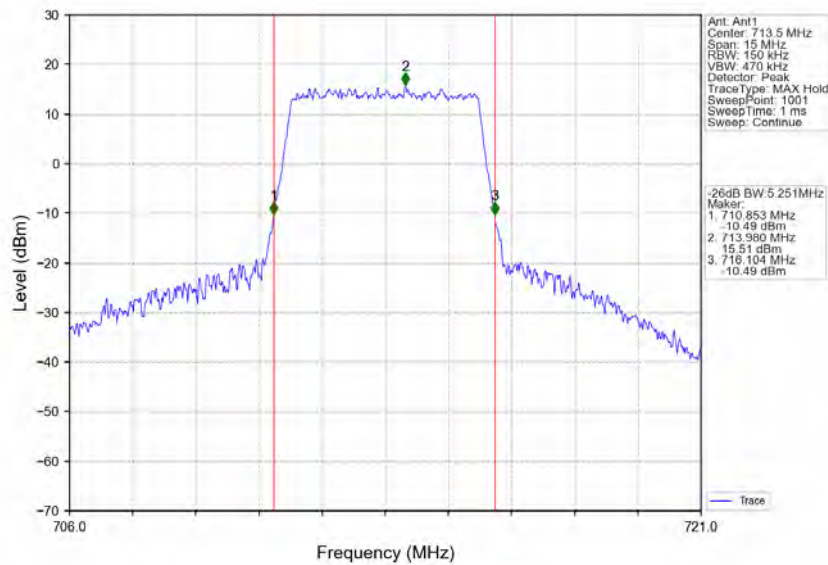
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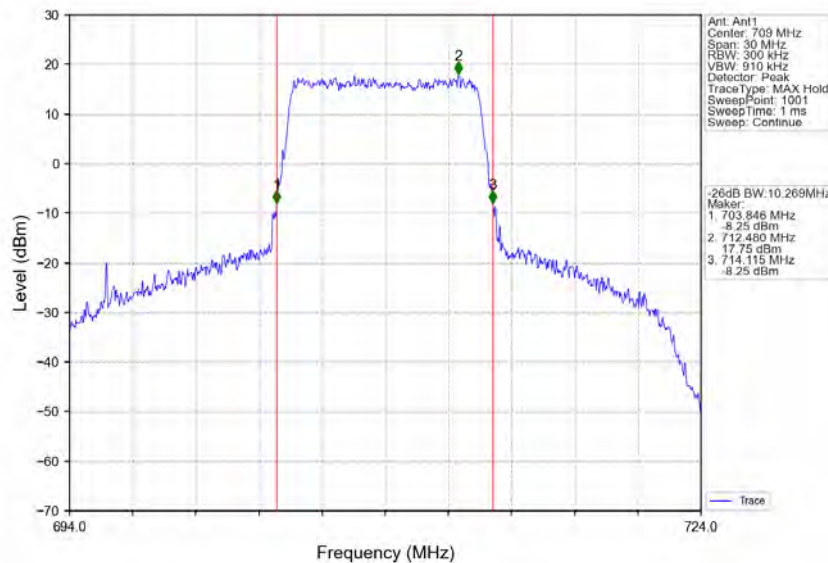
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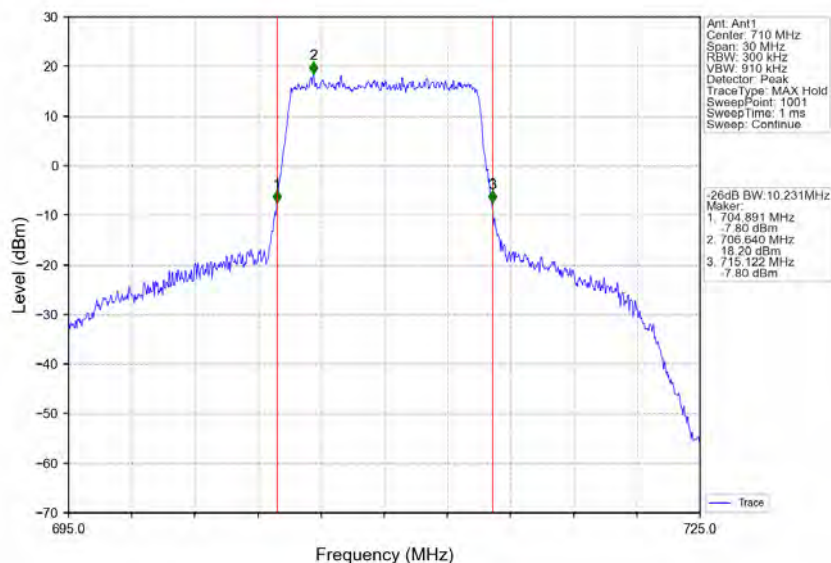
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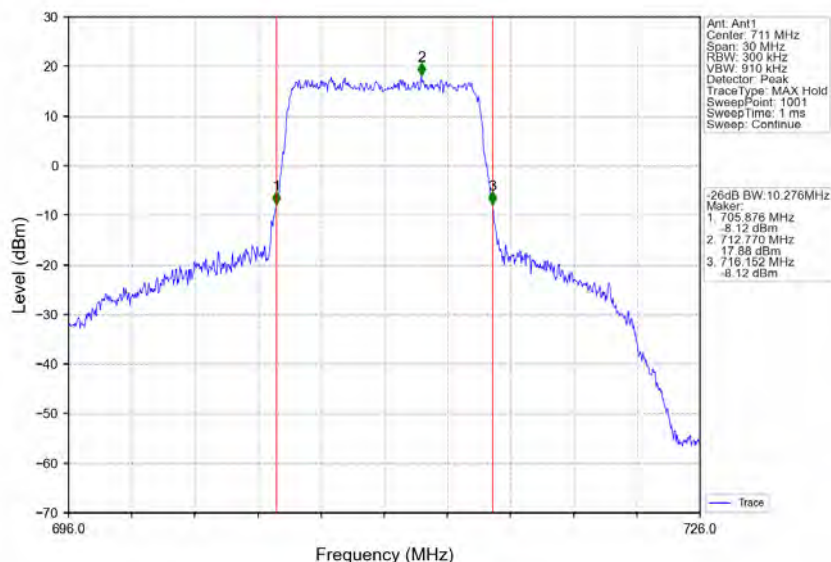
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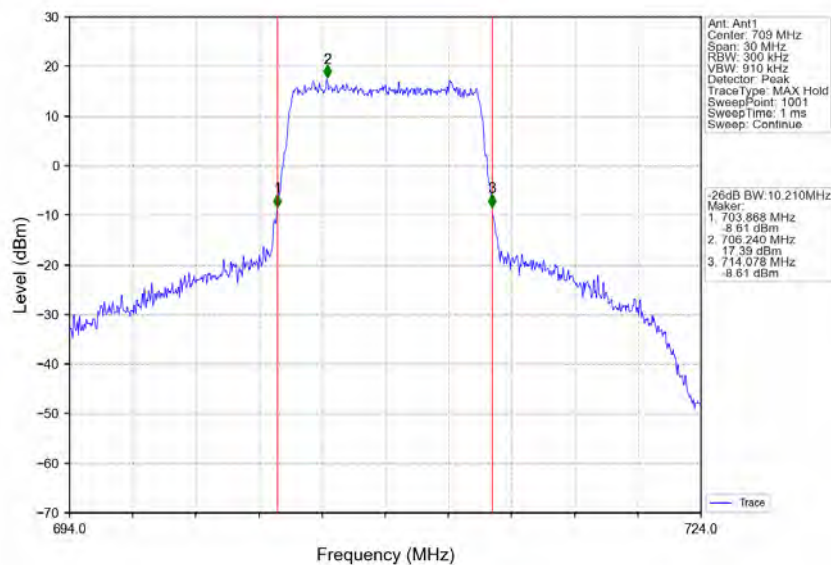
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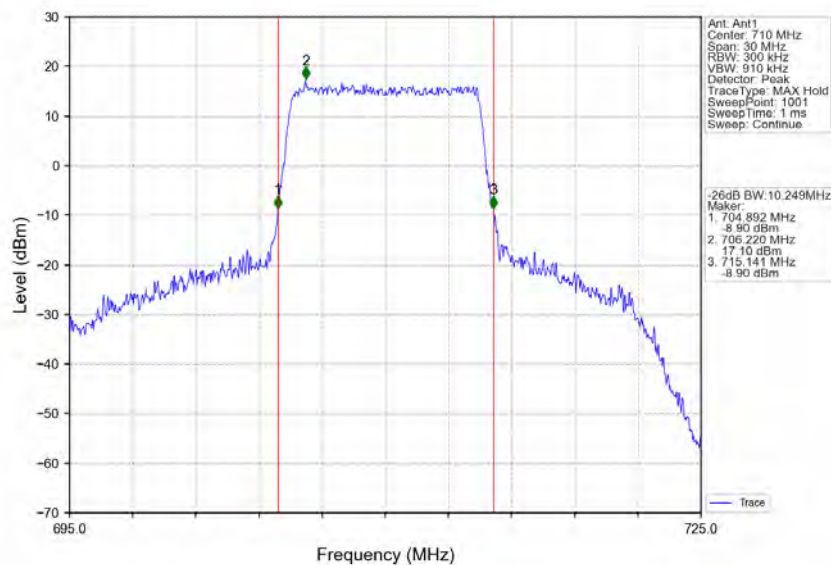
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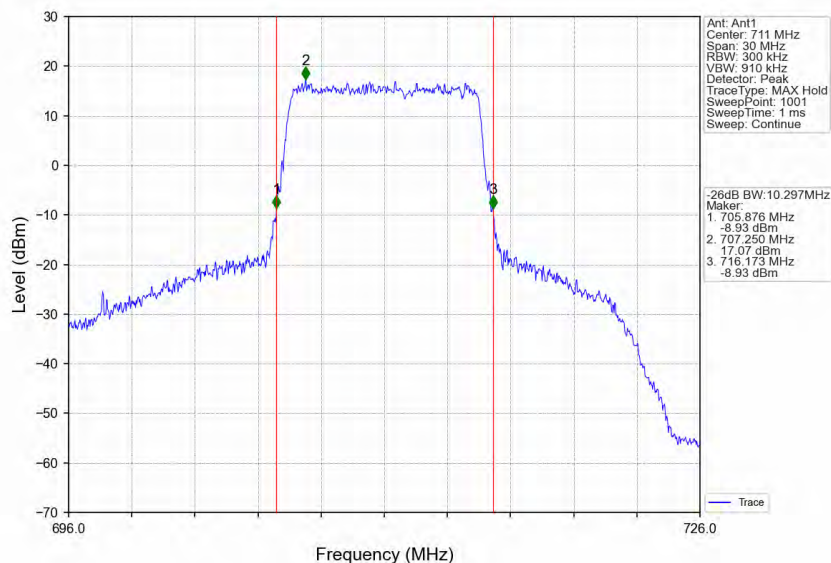
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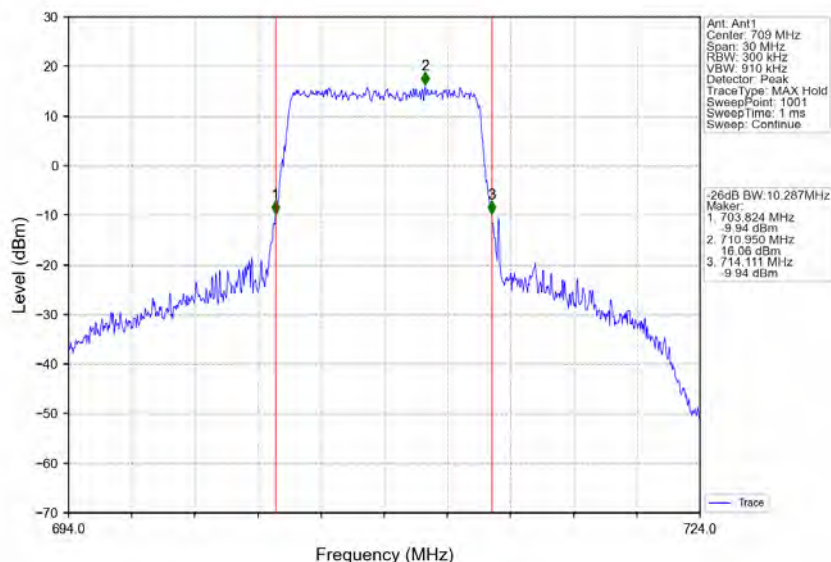
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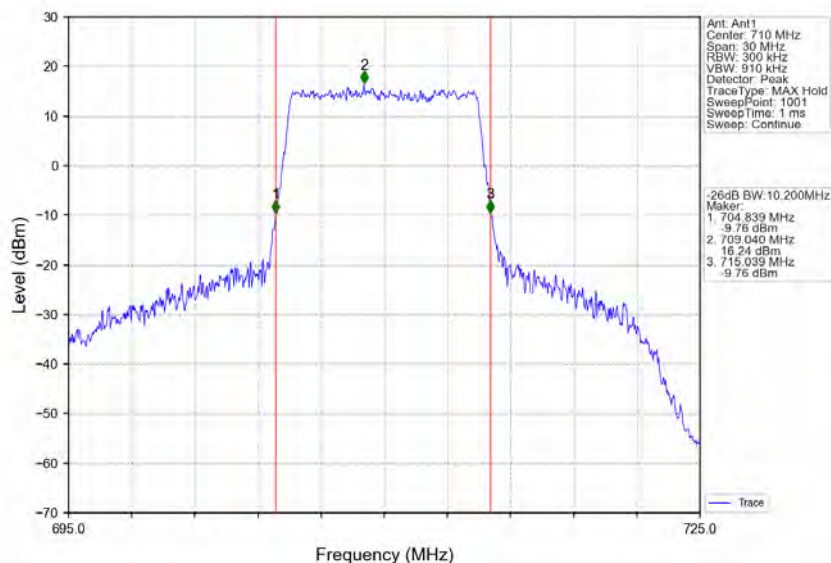
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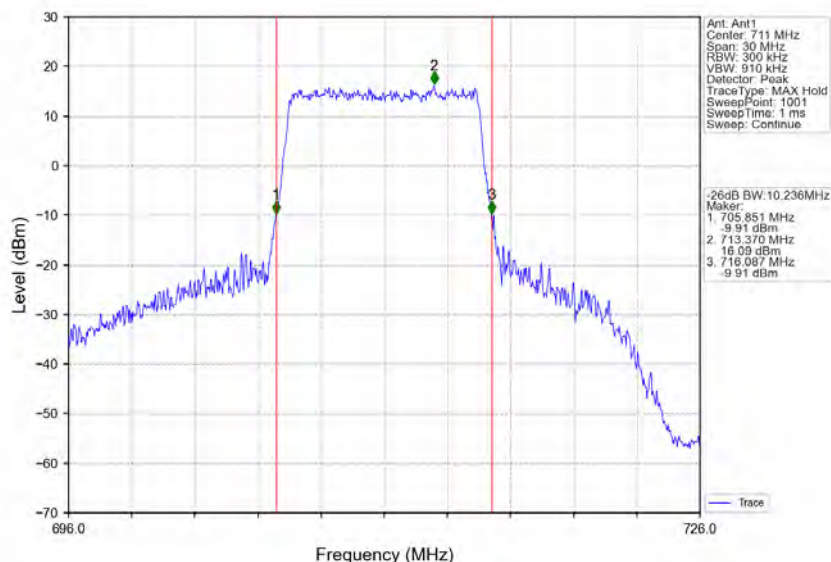
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5. Peak-Average Ratio

5.1 B17_5MHz

5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.35	<=13	Pass
	710	25	0	5.32	<=13	Pass
	713.5	25	0	5.03	<=13	Pass
16QAM	706.5	25	0	6.04	<=13	Pass
	710	25	0	6.03	<=13	Pass
	713.5	25	0	5.78	<=13	Pass
64QAM	706.5	25	0	6.38	<=13	Pass
	710	25	0	6.37	<=13	Pass
	713.5	25	0	6.21	<=13	Pass



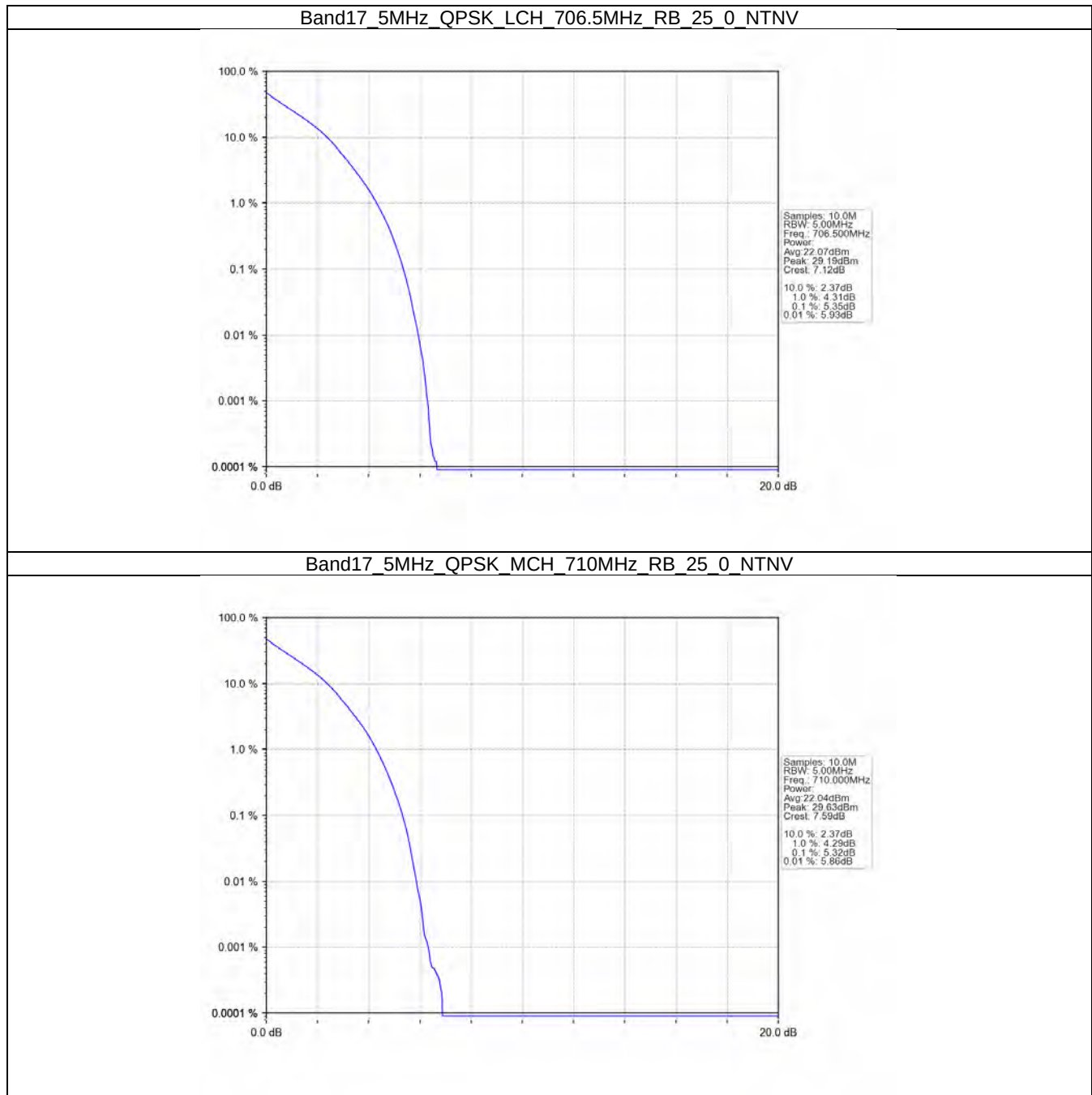
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5.1.2 Test Graph



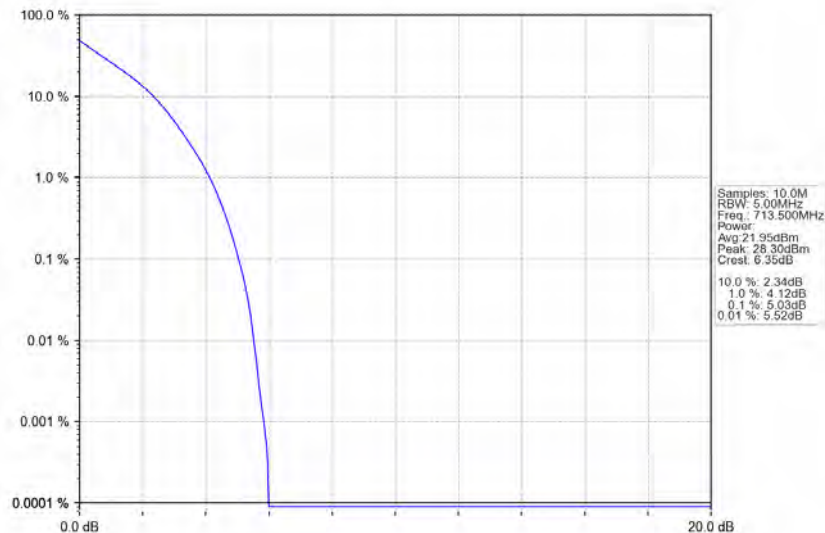
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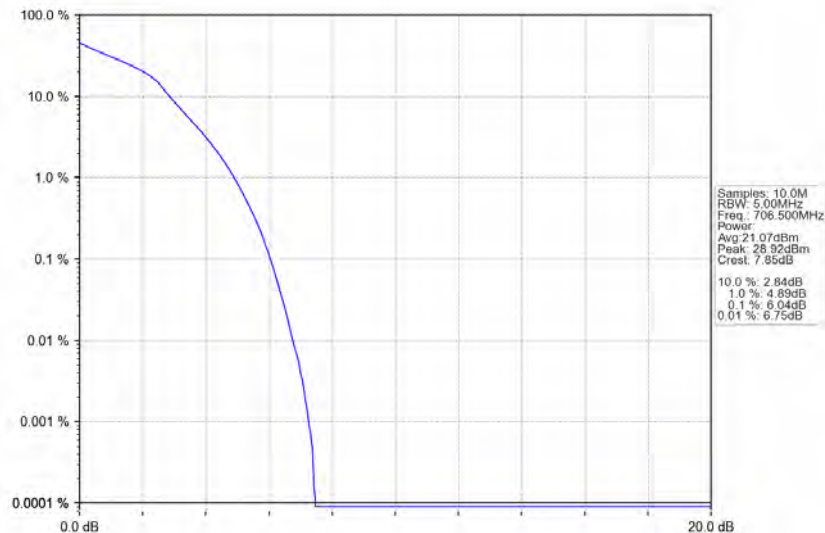
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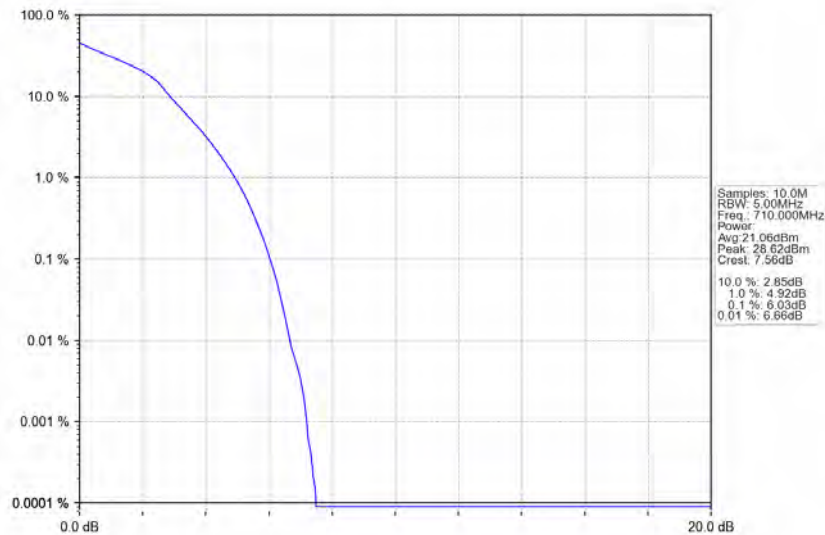
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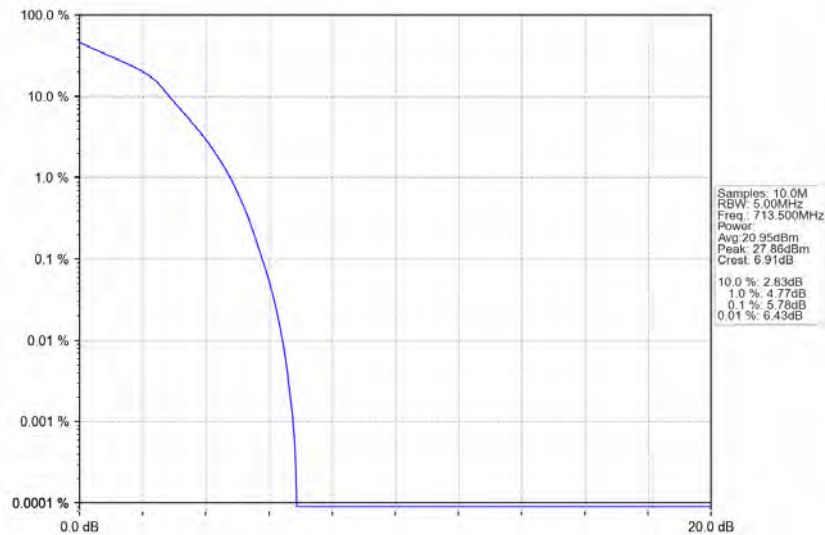
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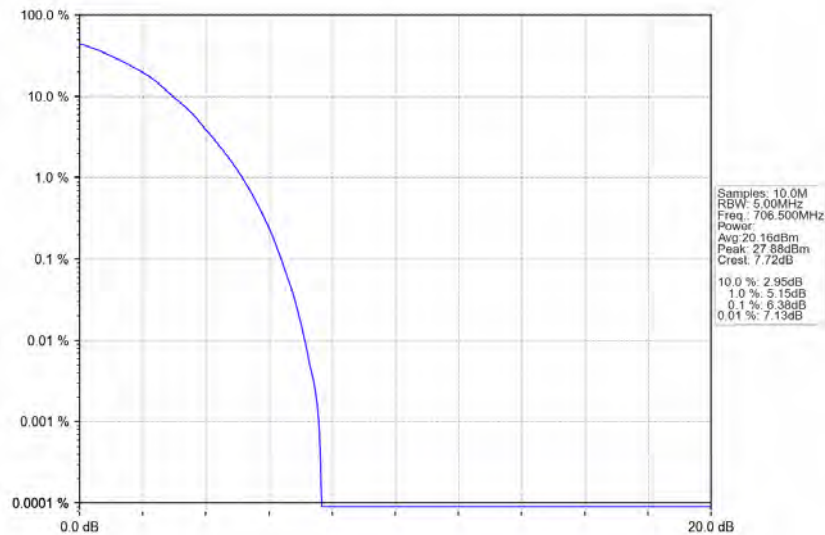
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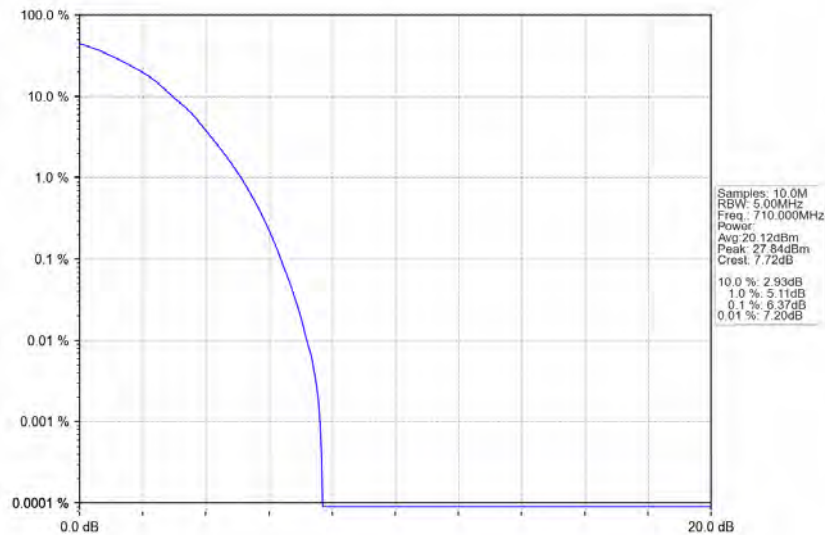
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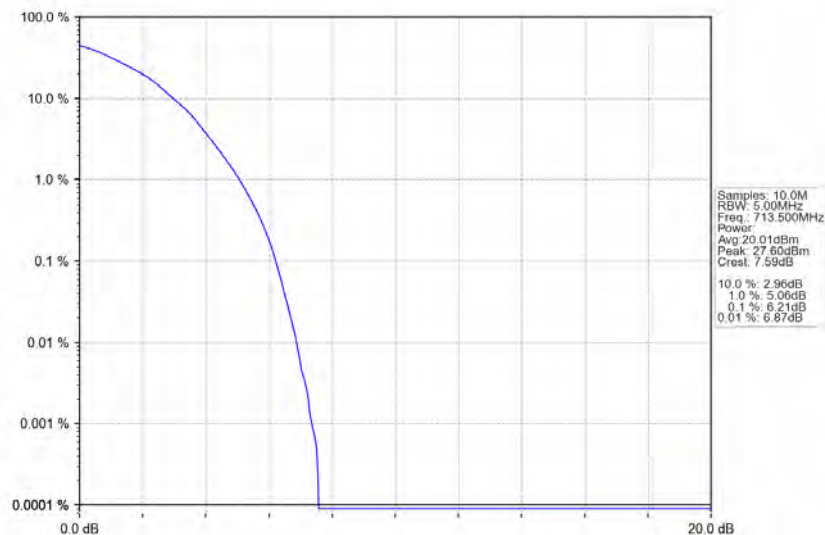
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5.2 B17_10MHz

5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.43	<=13	Pass
	710	50	0	5.47	<=13	Pass
	711	50	0	5.41	<=13	Pass
16QAM	709	50	0	6.49	<=13	Pass
	710	50	0	6.41	<=13	Pass
	711	50	0	6.49	<=13	Pass
64QAM	709	50	0	6.70	<=13	Pass
	710	50	0	6.67	<=13	Pass
	711	50	0	6.69	<=13	Pass



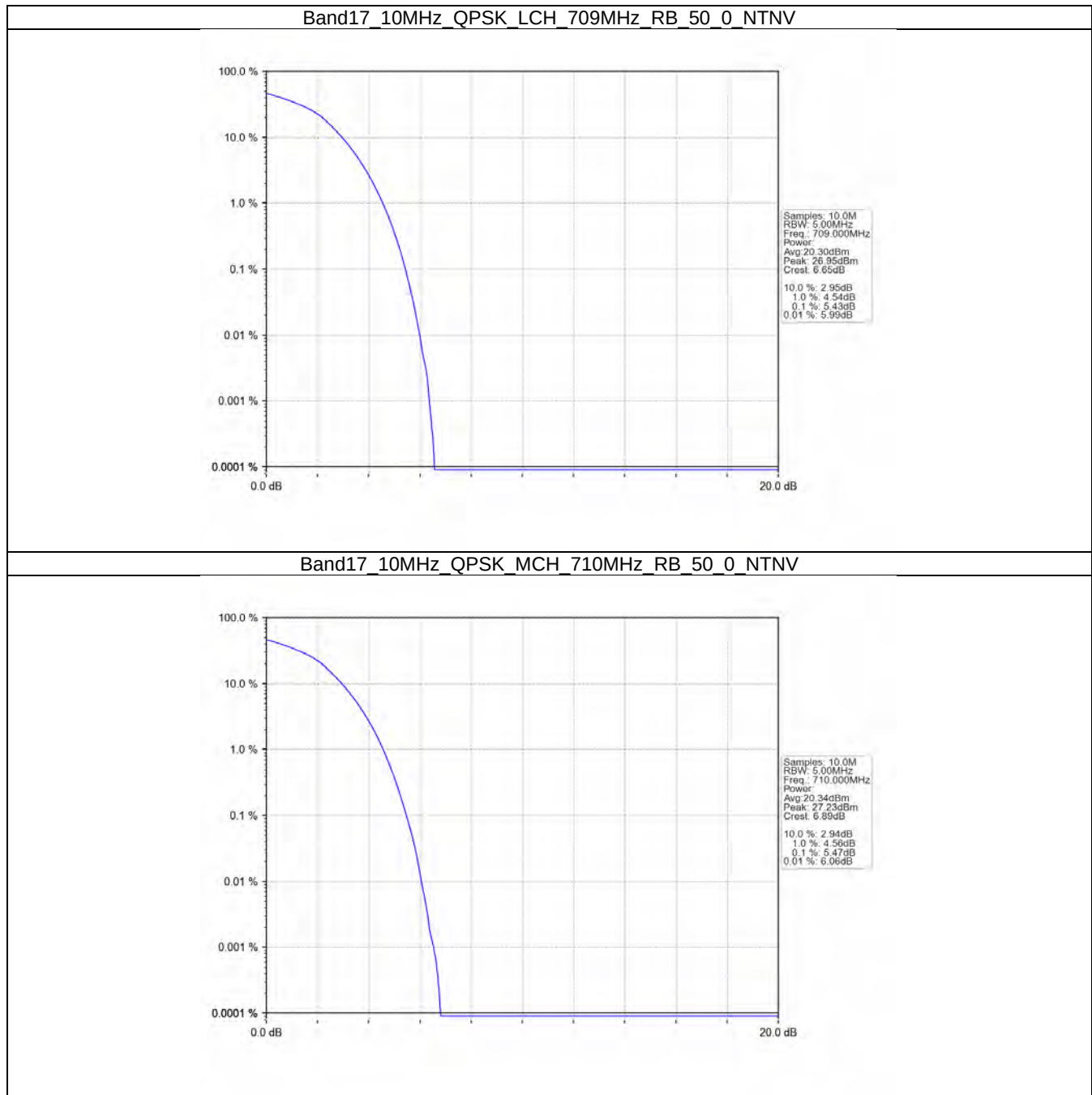
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5.2.2 Test Graph



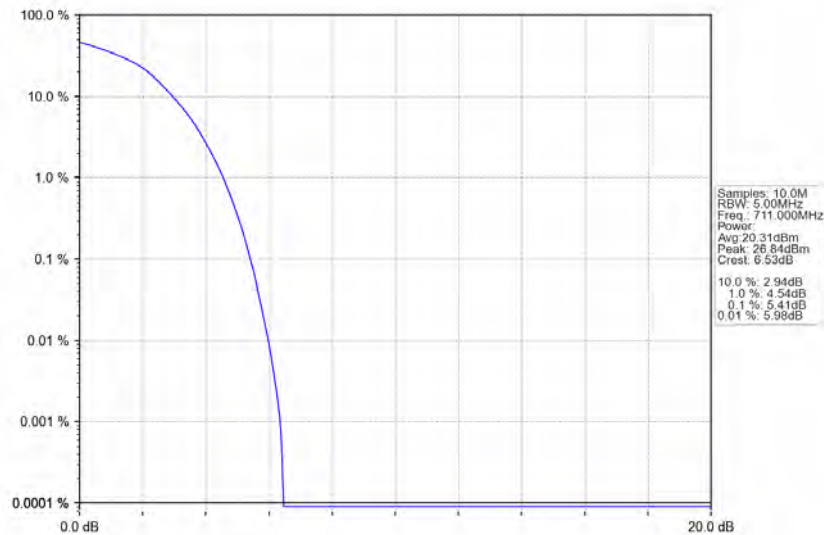
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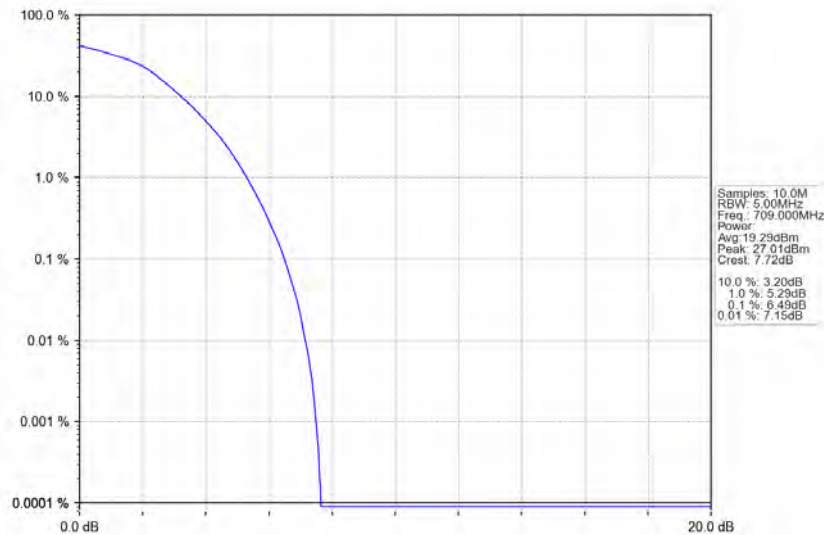
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Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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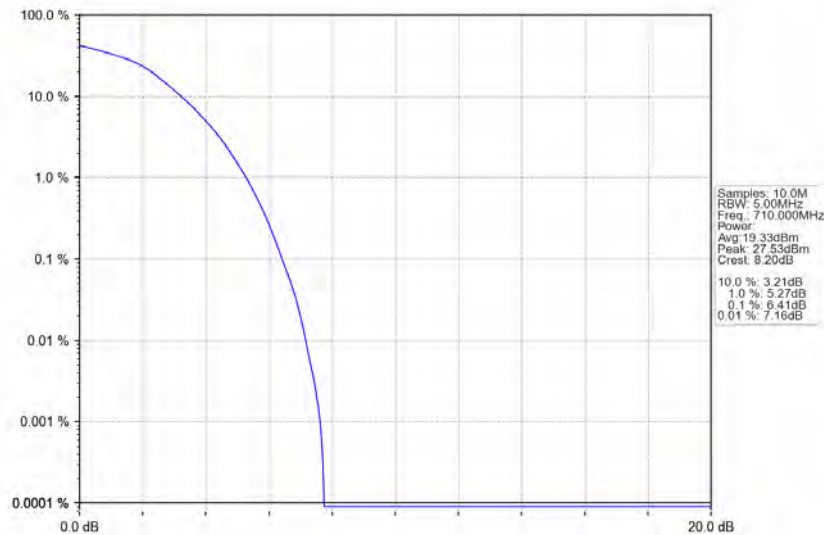
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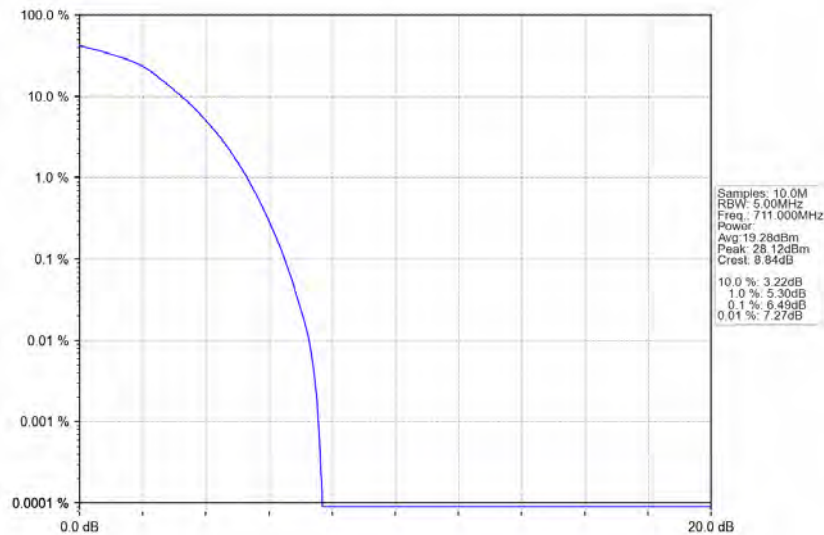
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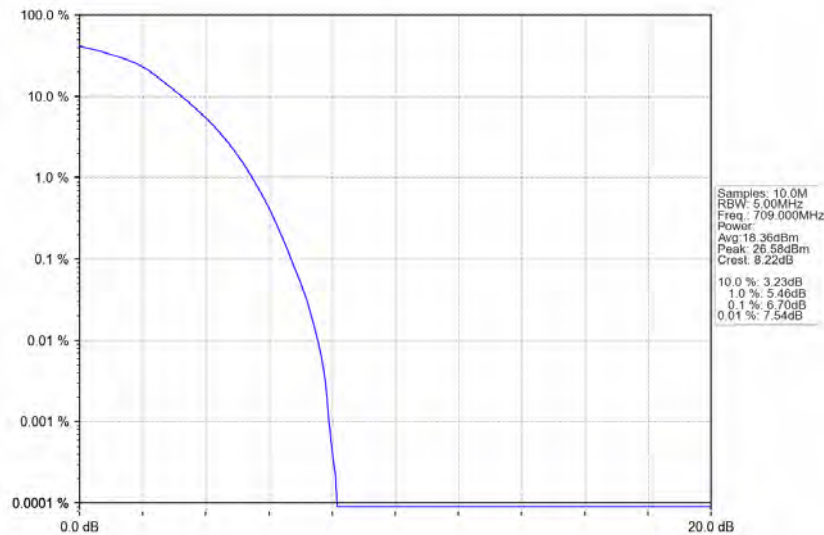
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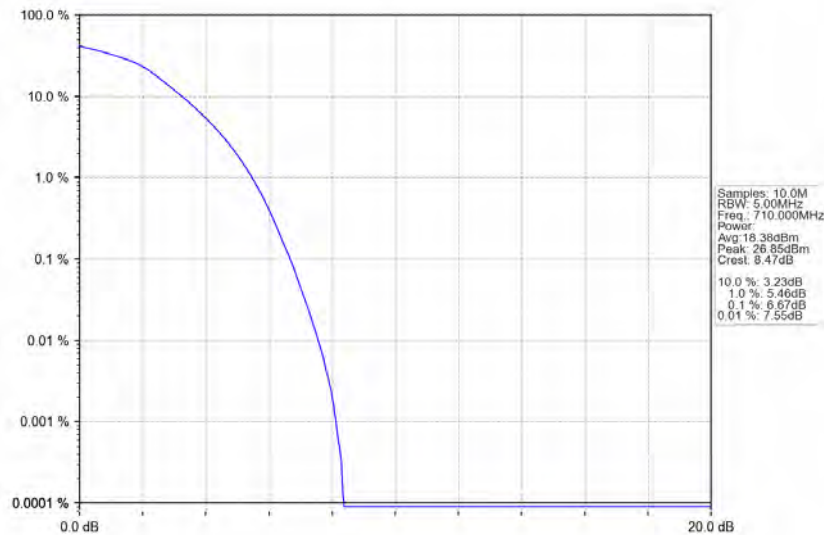
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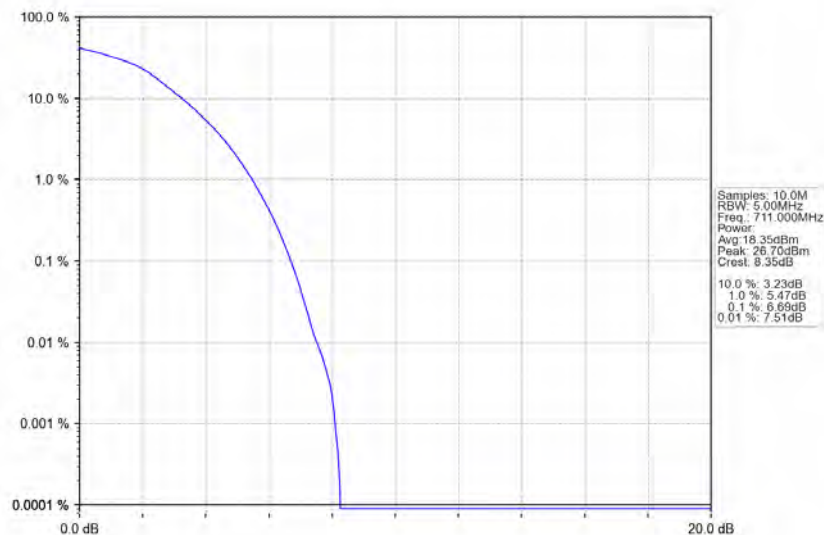
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6. Spurious Emission

6.1 B17_5MHz

6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



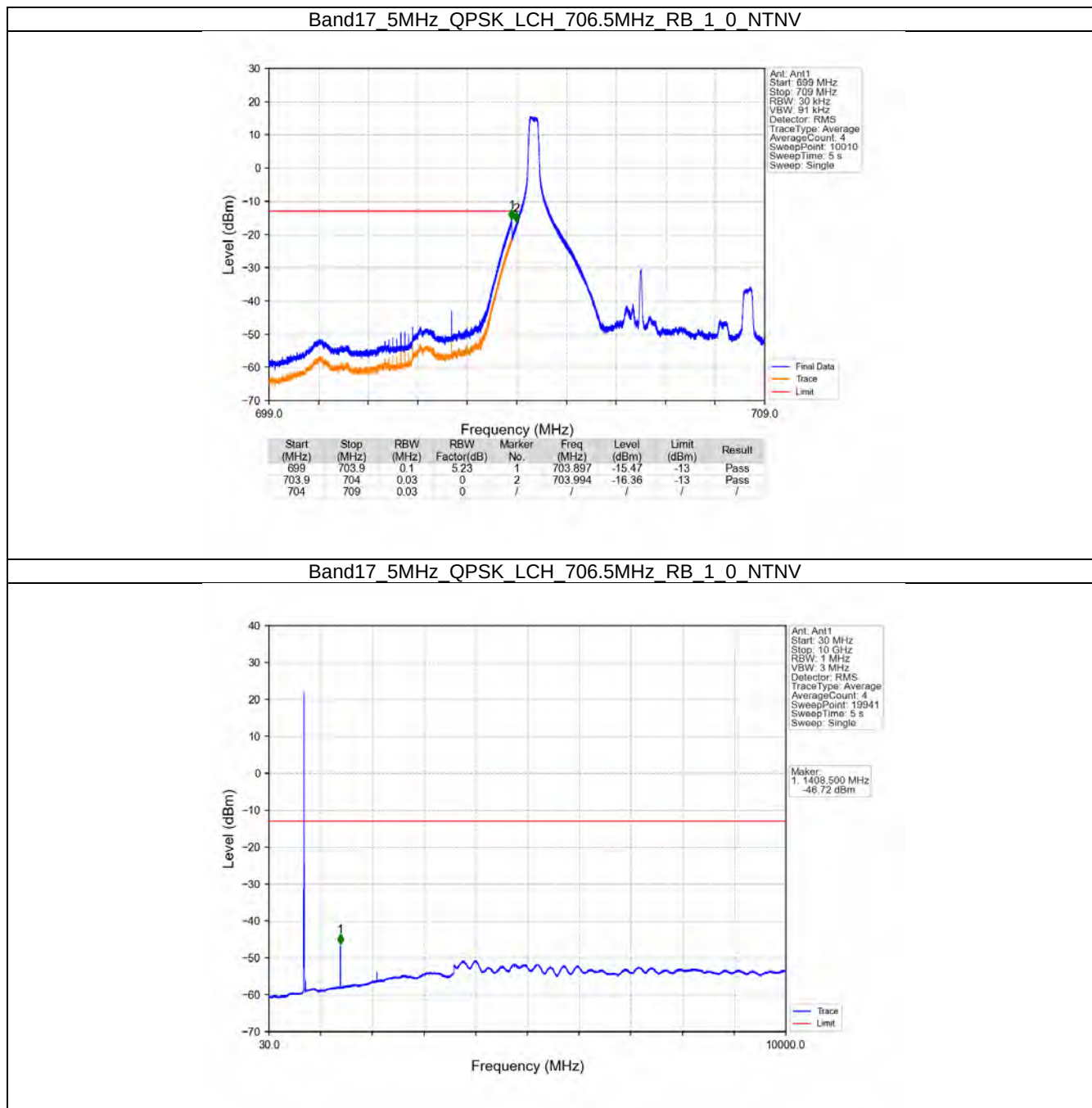
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6.1.2 Test Graph



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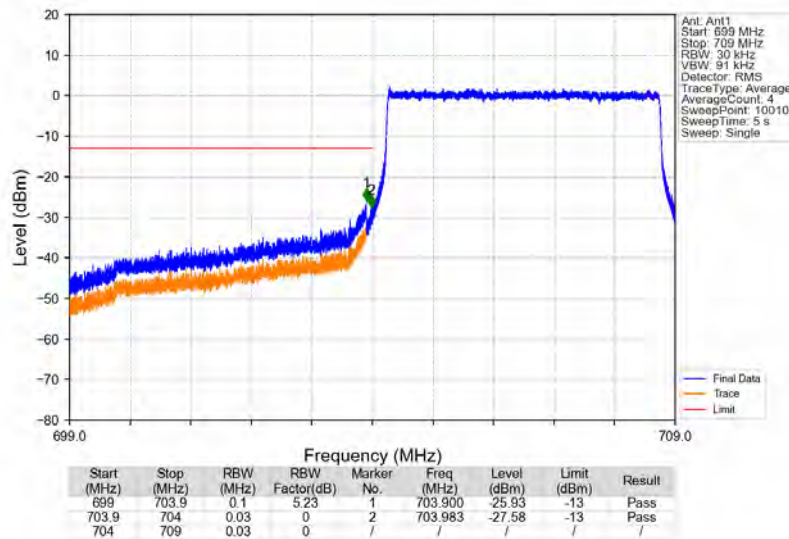
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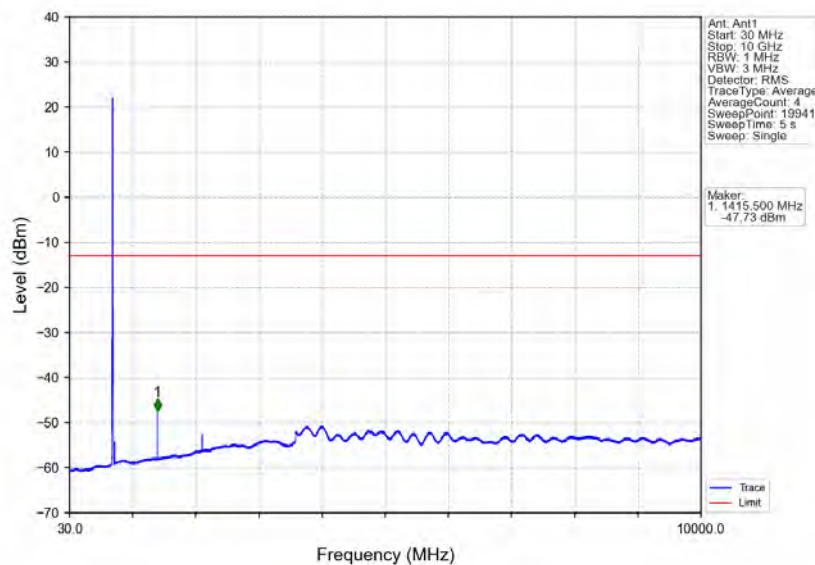
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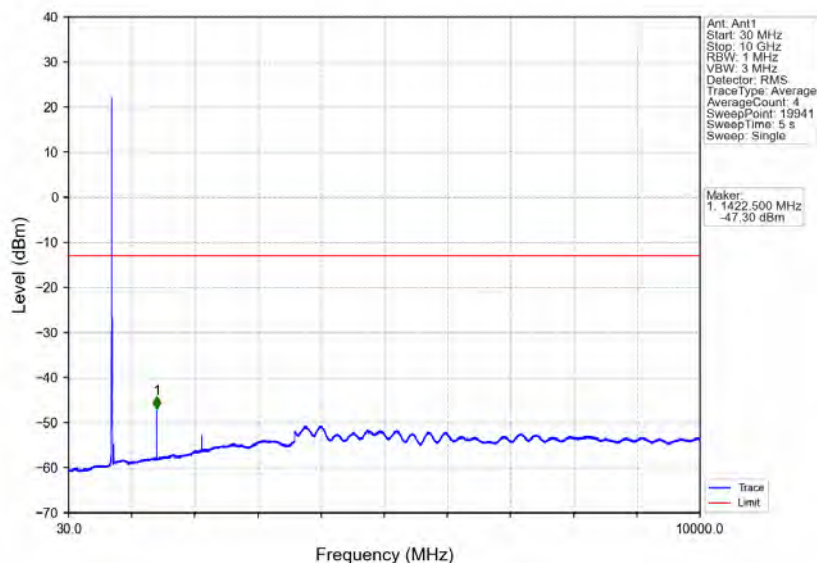
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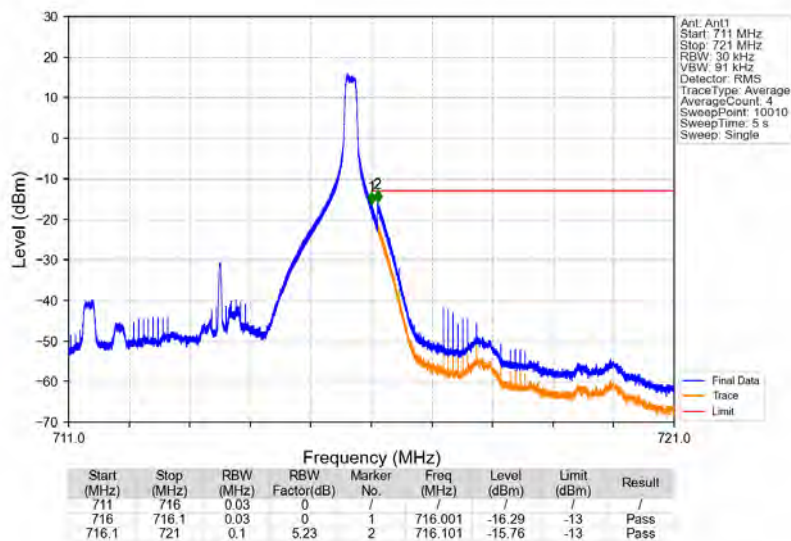
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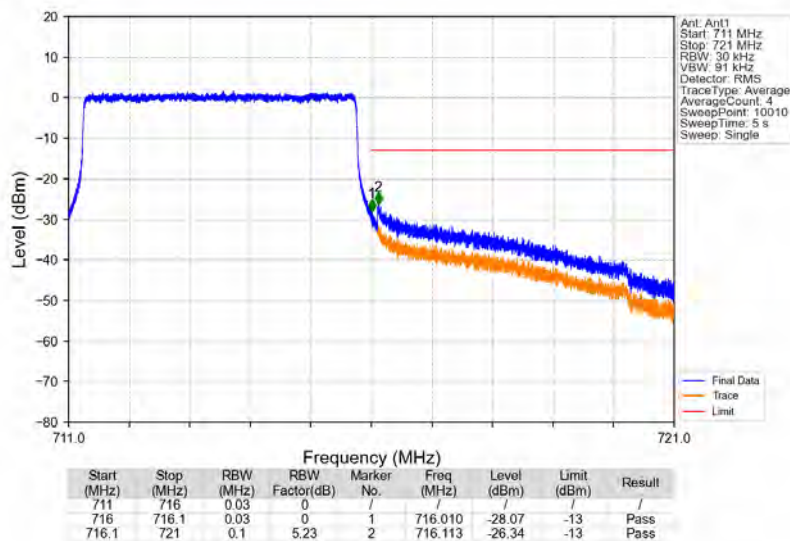
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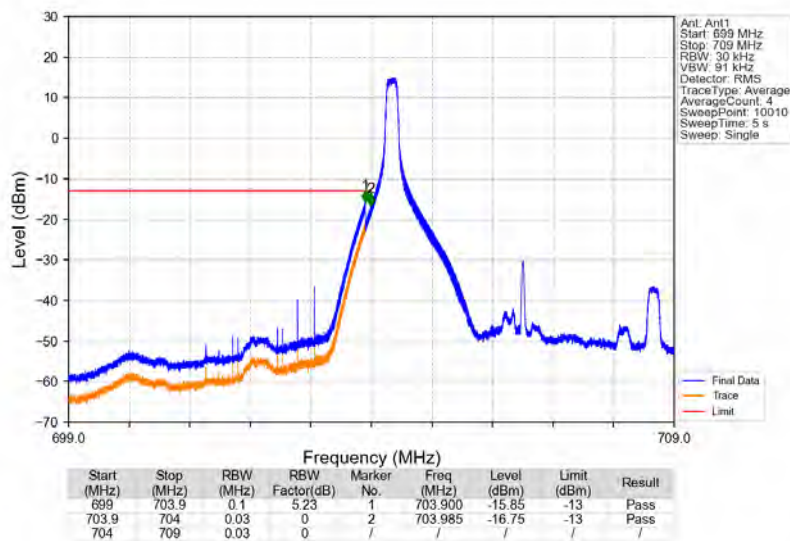
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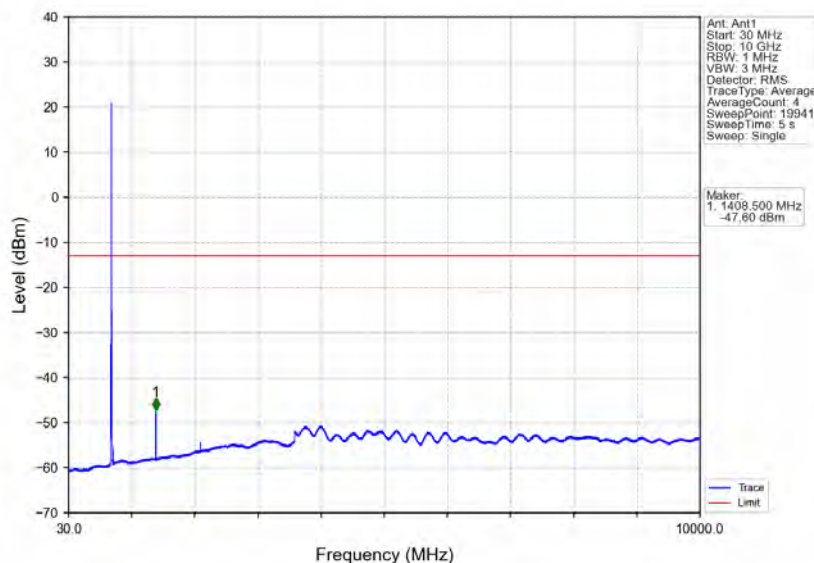
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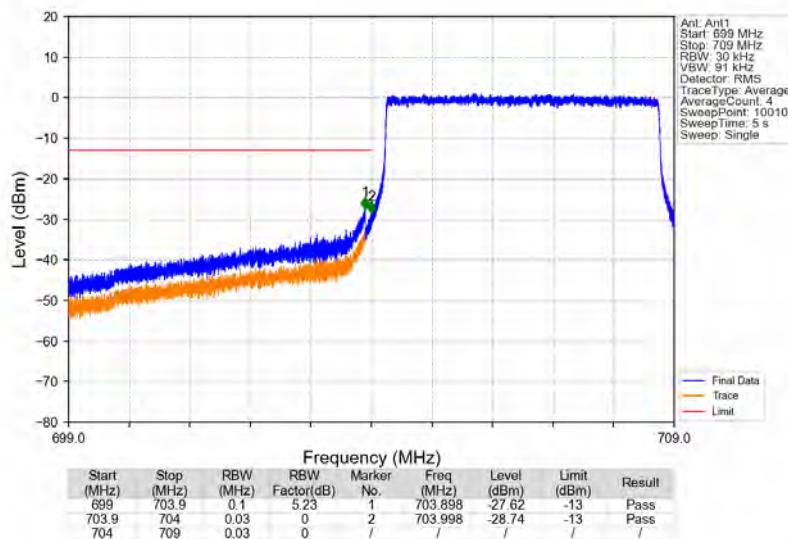
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Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



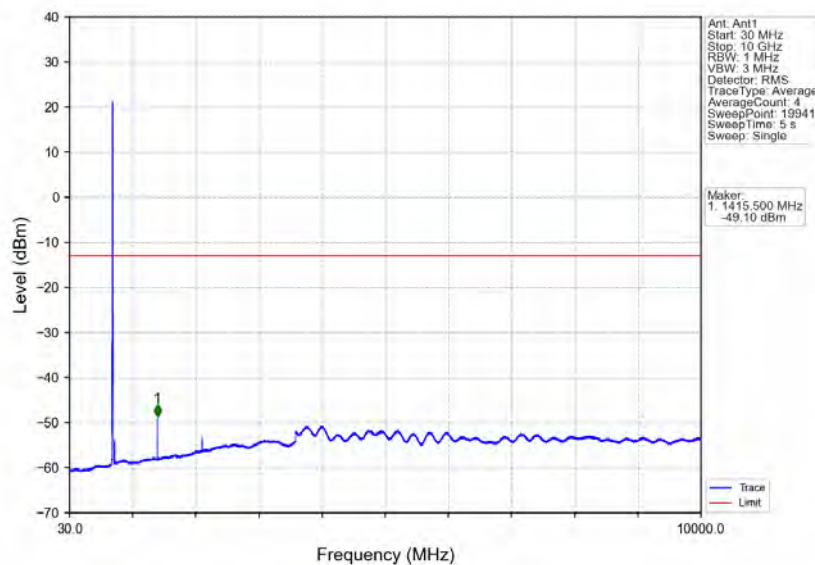
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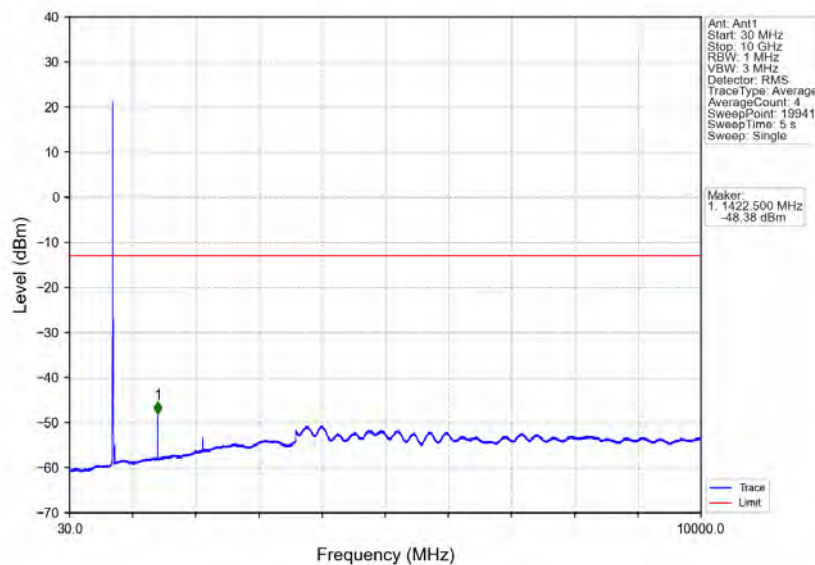
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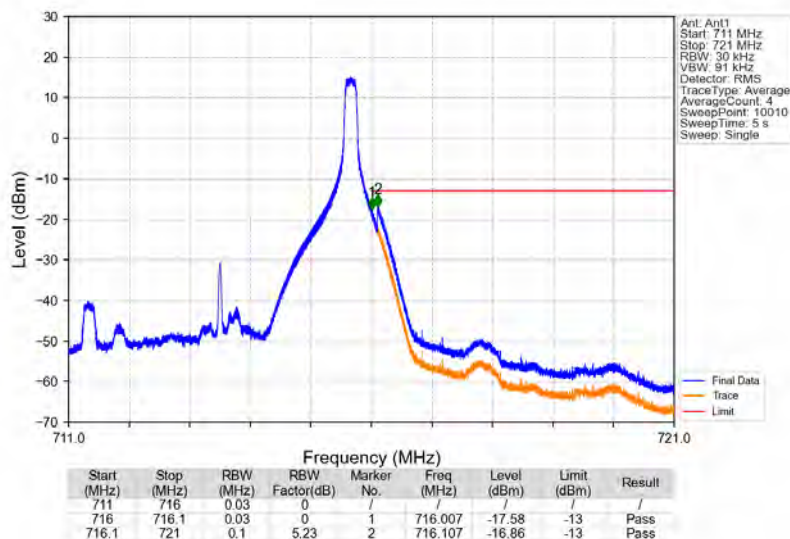
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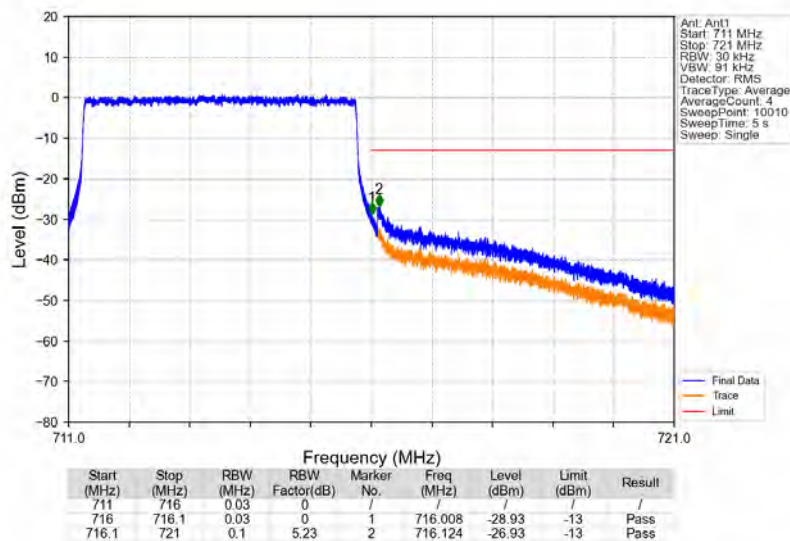
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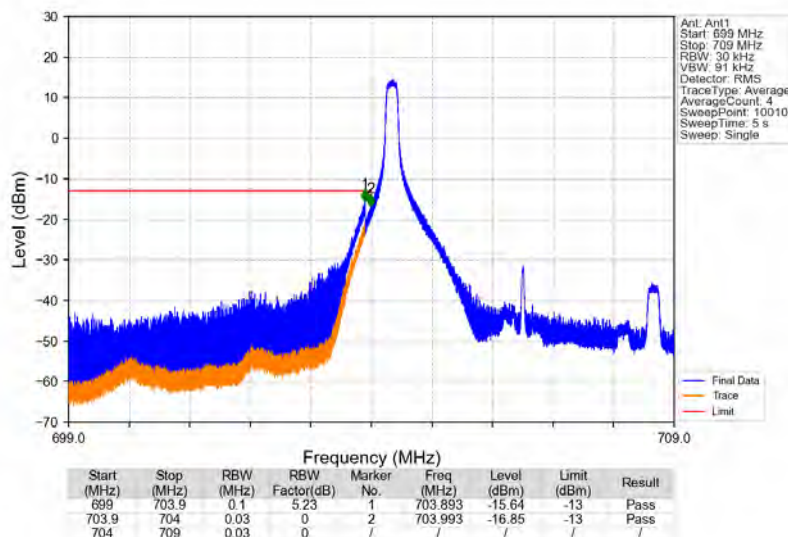
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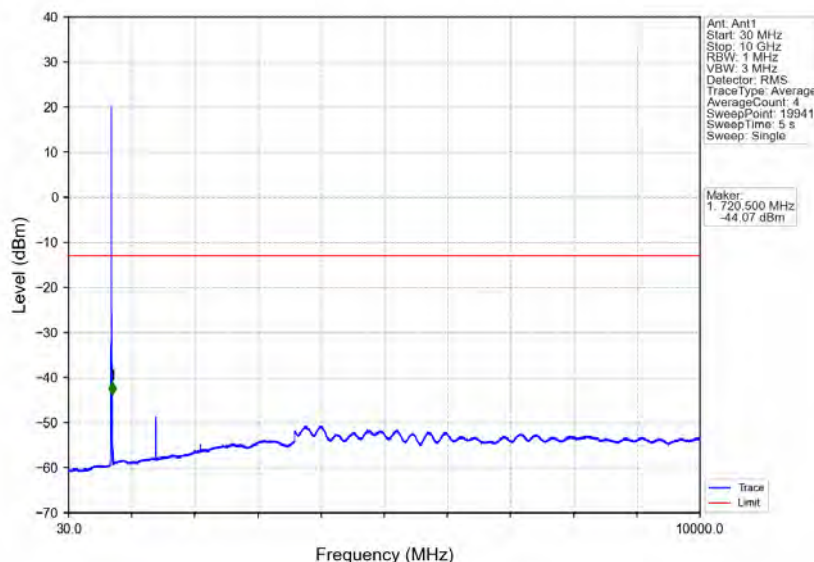
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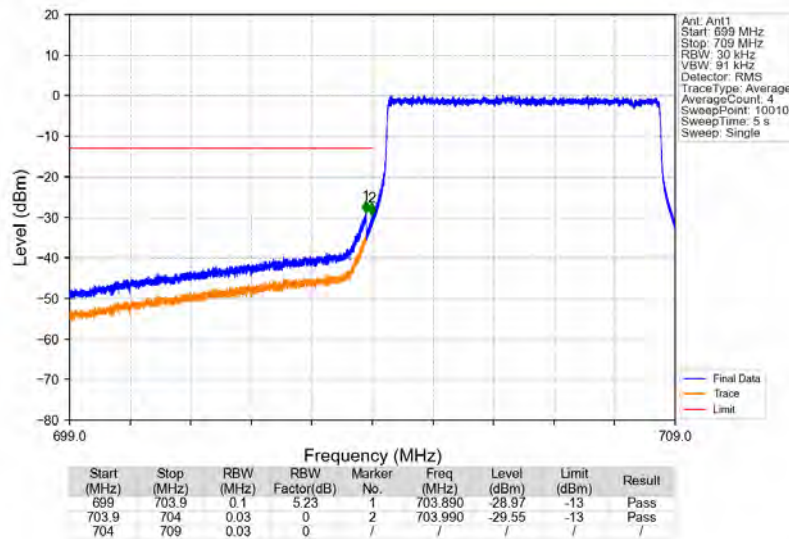
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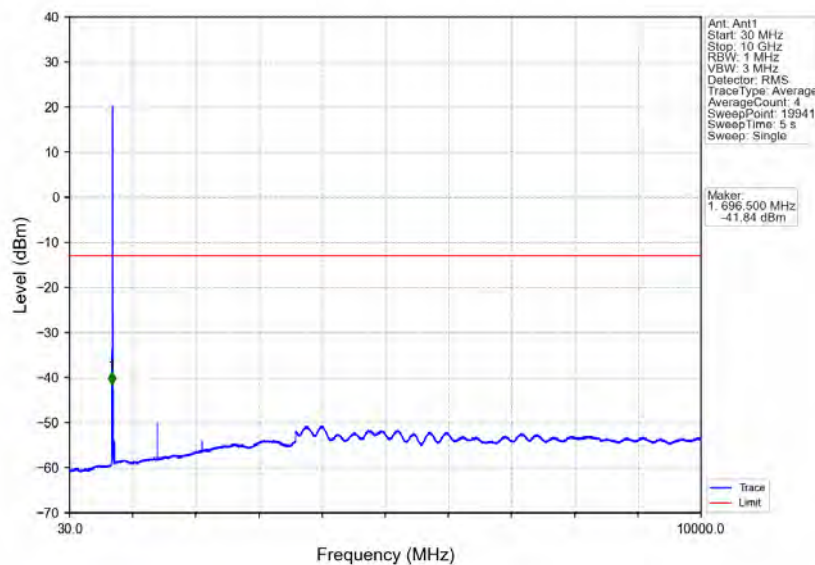
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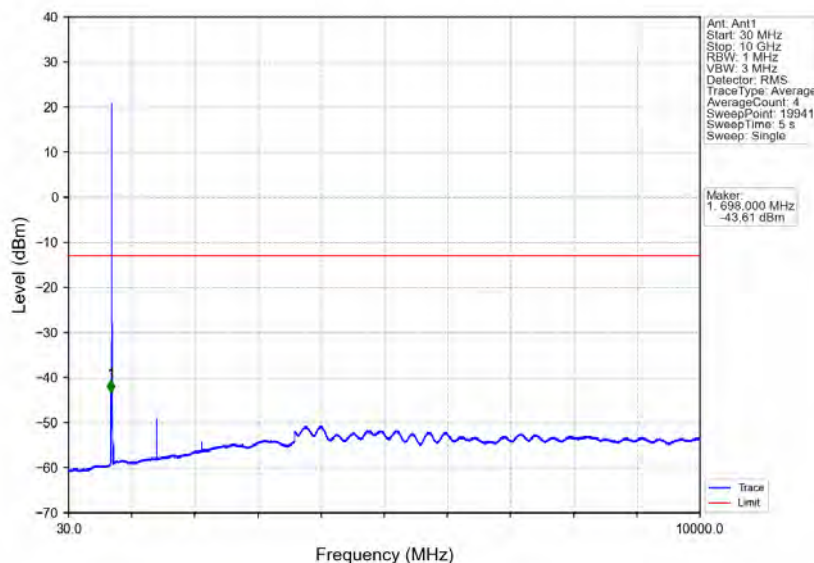
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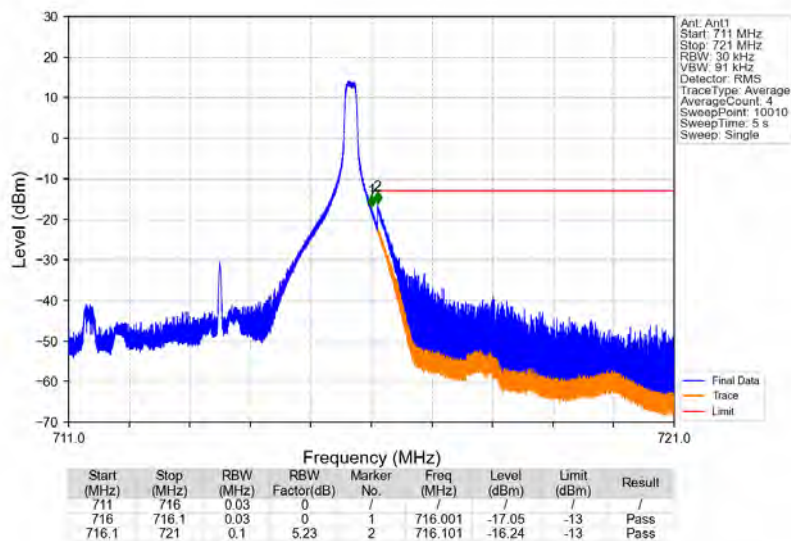
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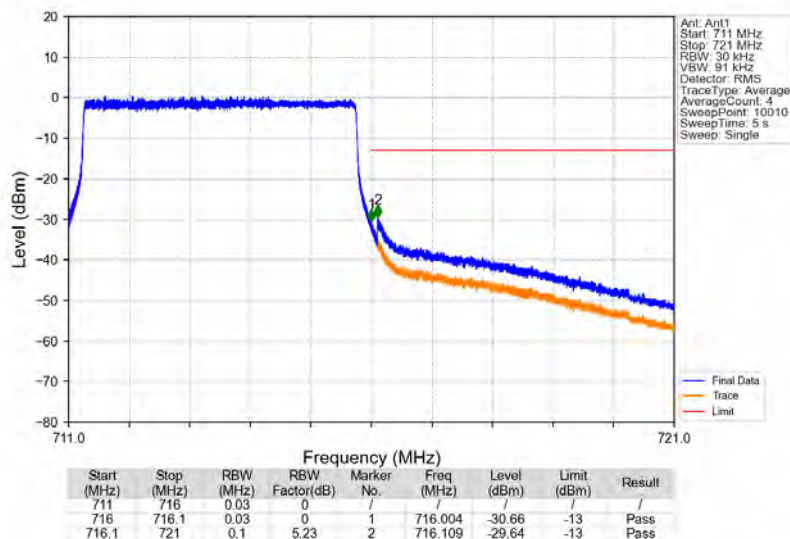
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6.2 B17_10MHz

6.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	709	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
16QAM	709	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
64QAM	709	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
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		50	0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass



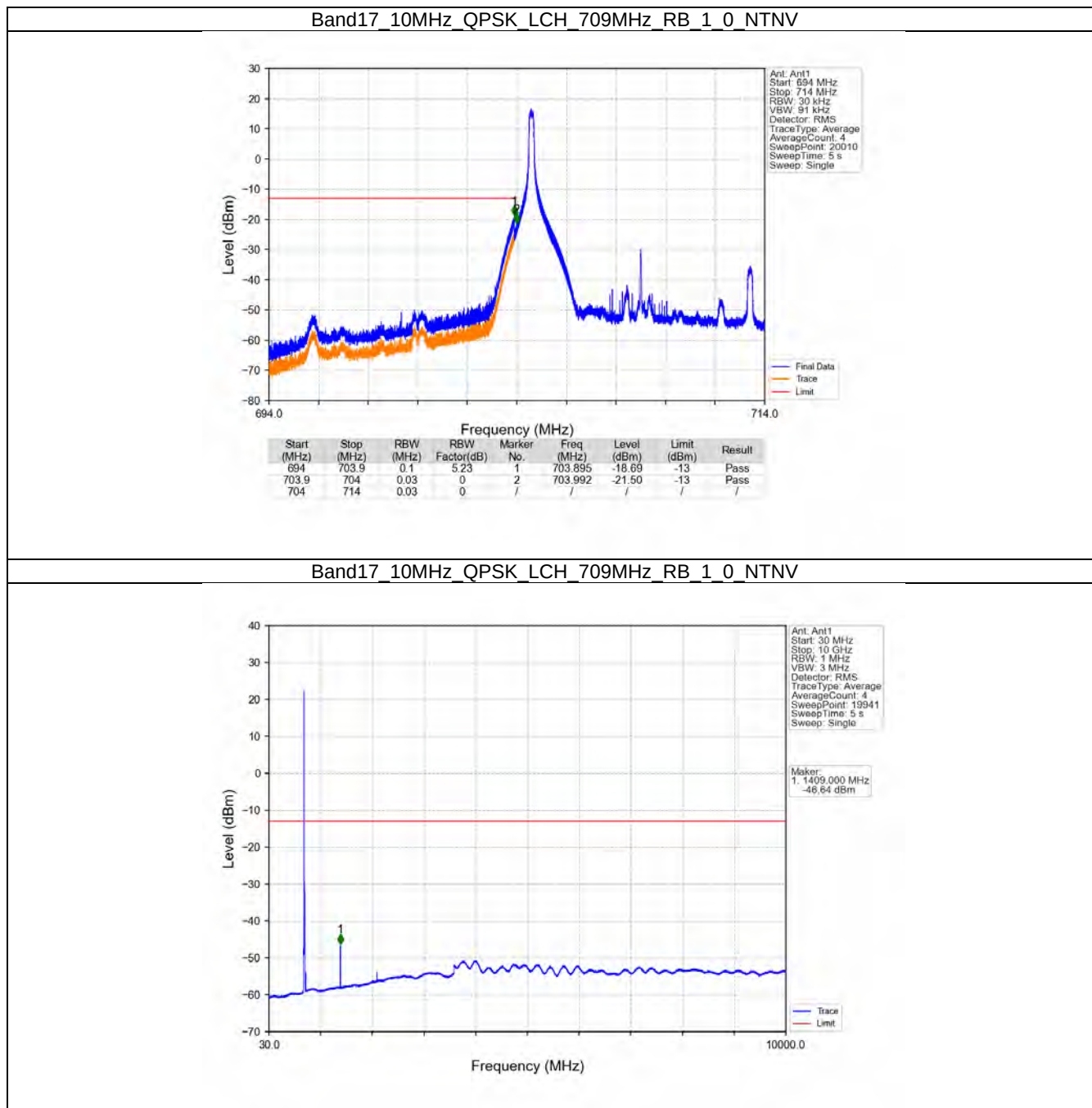
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6.2.2 Test Graph



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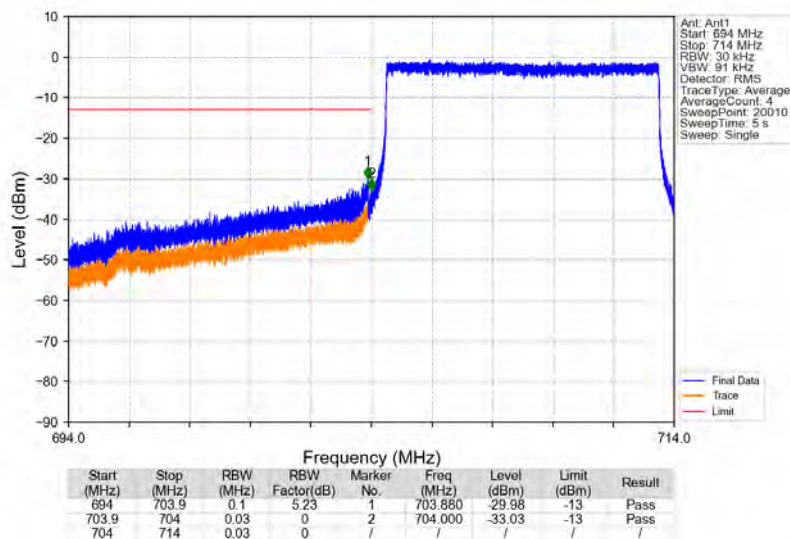
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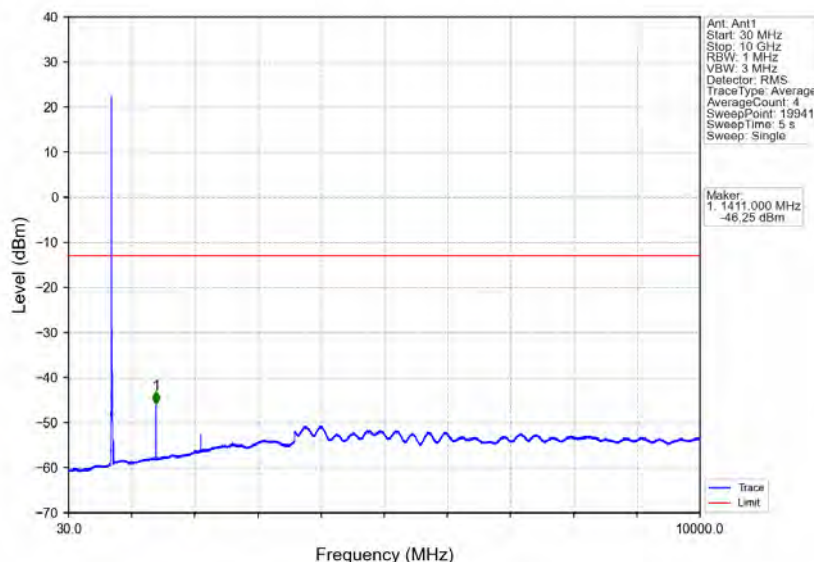
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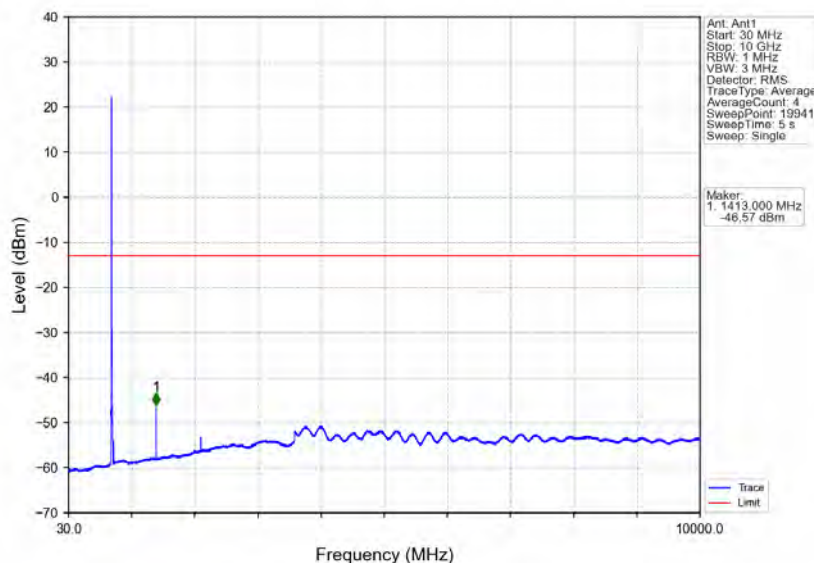
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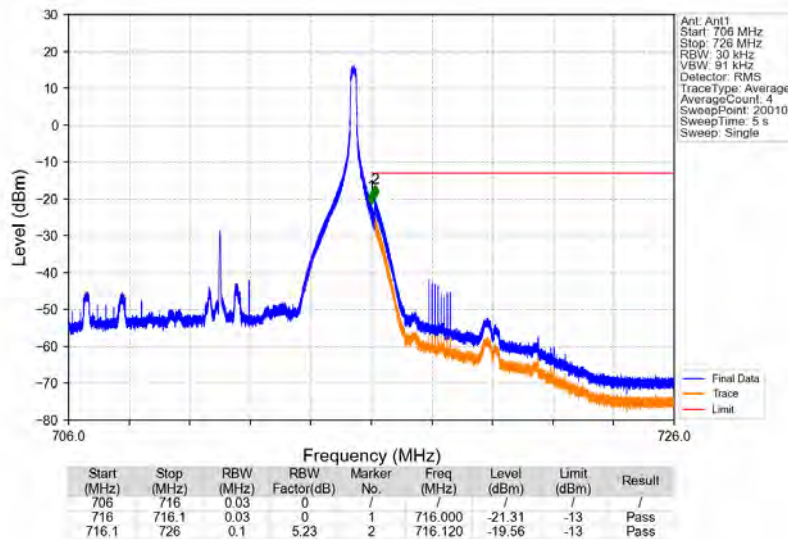
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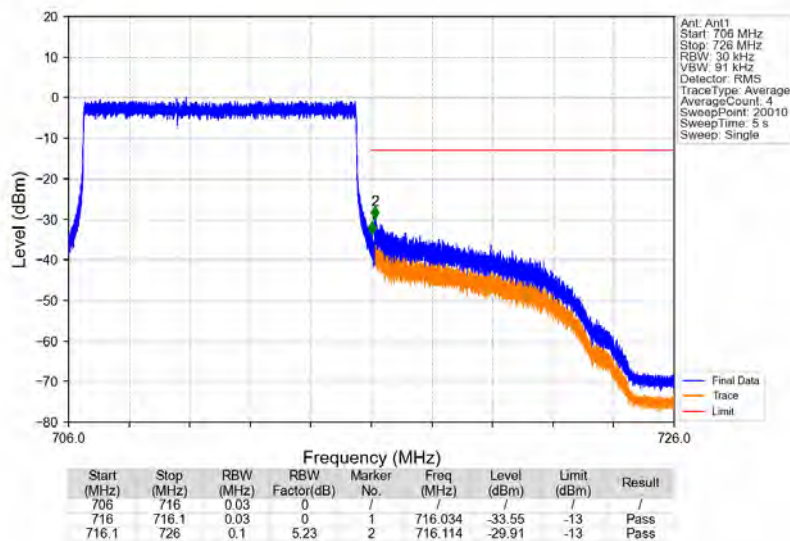
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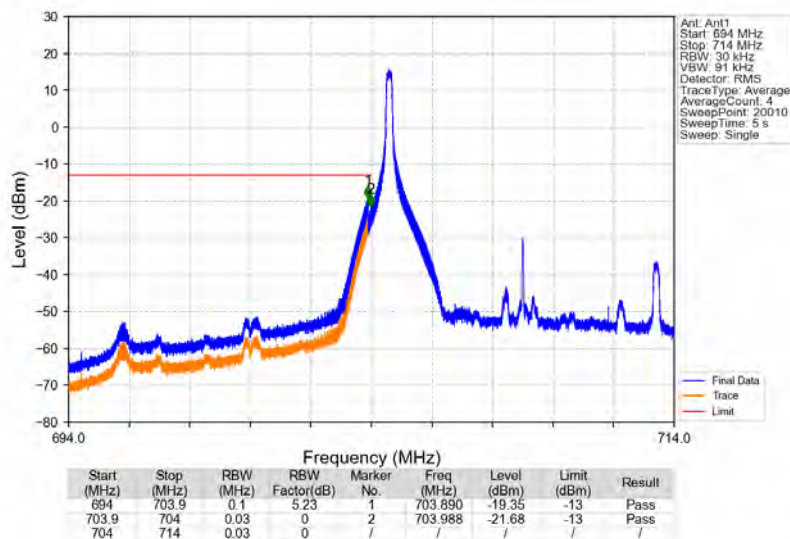
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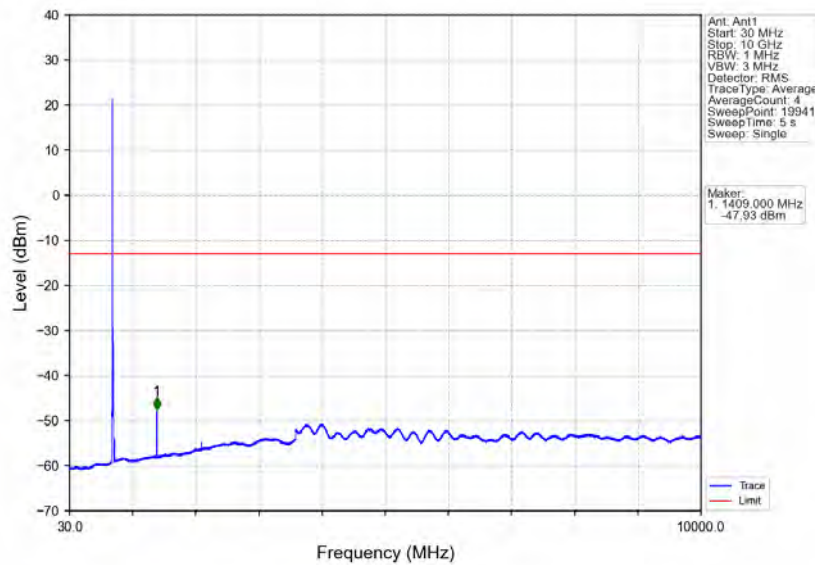
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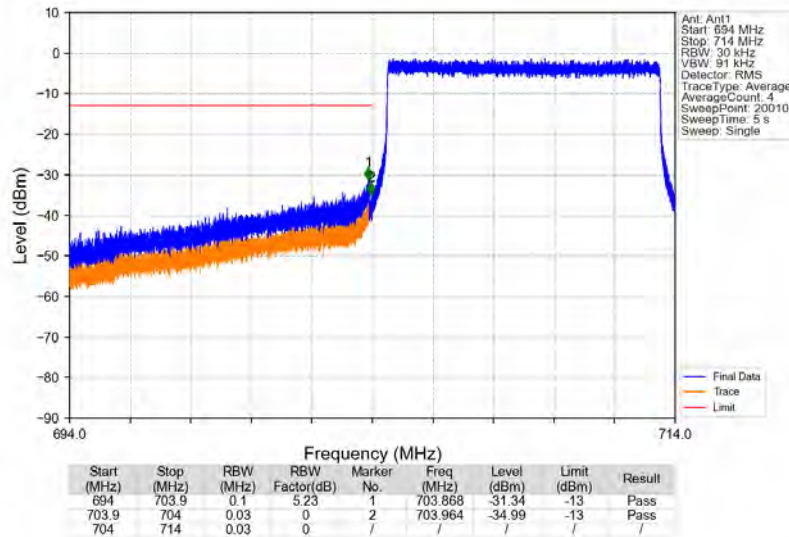
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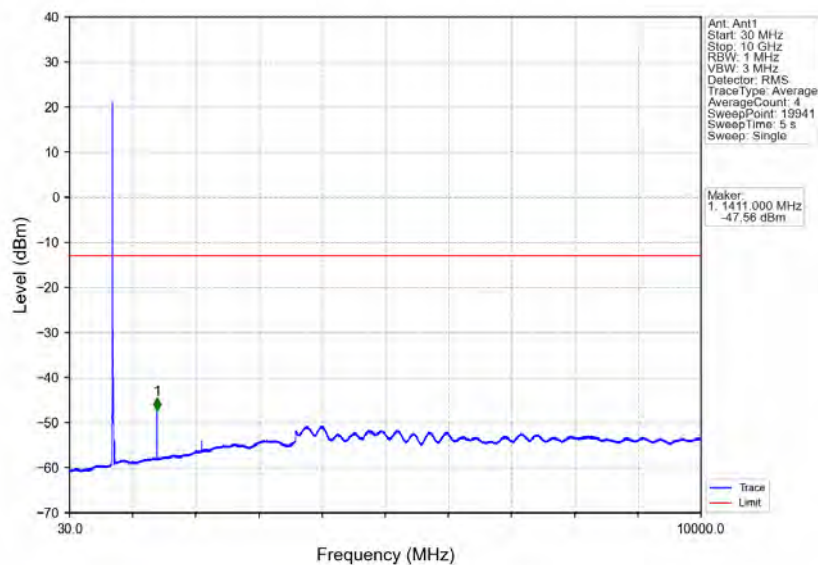
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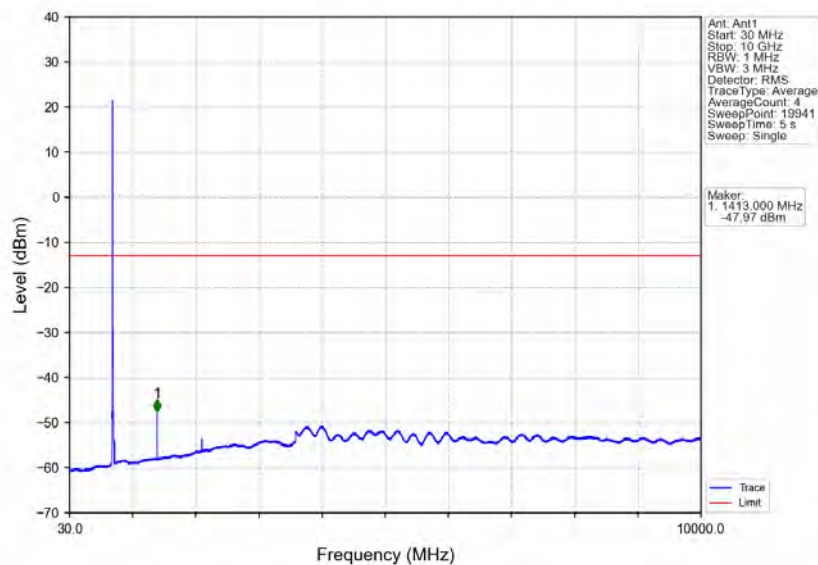
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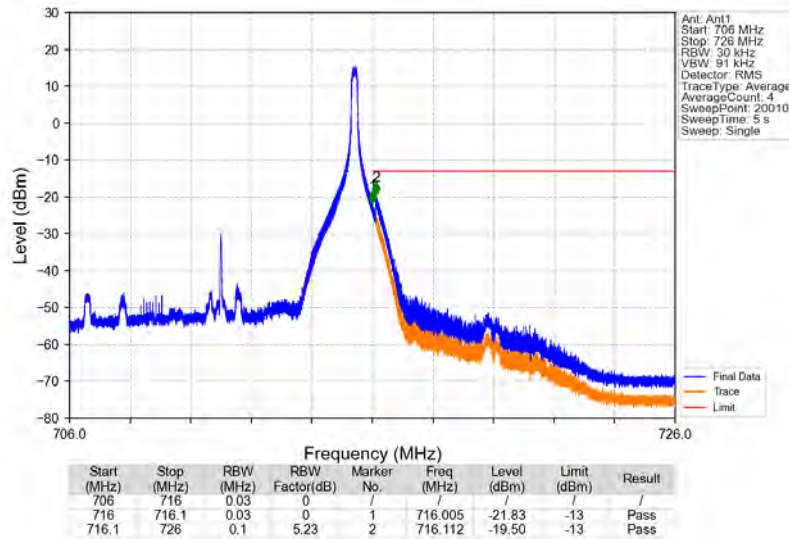
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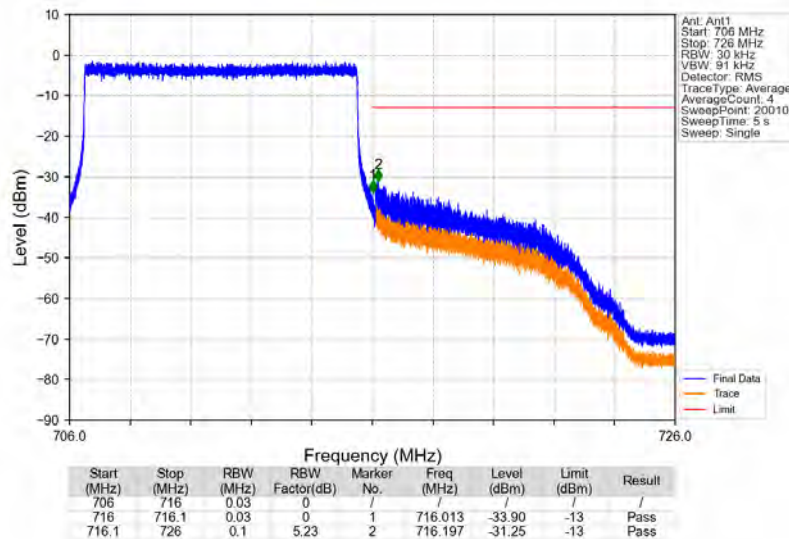
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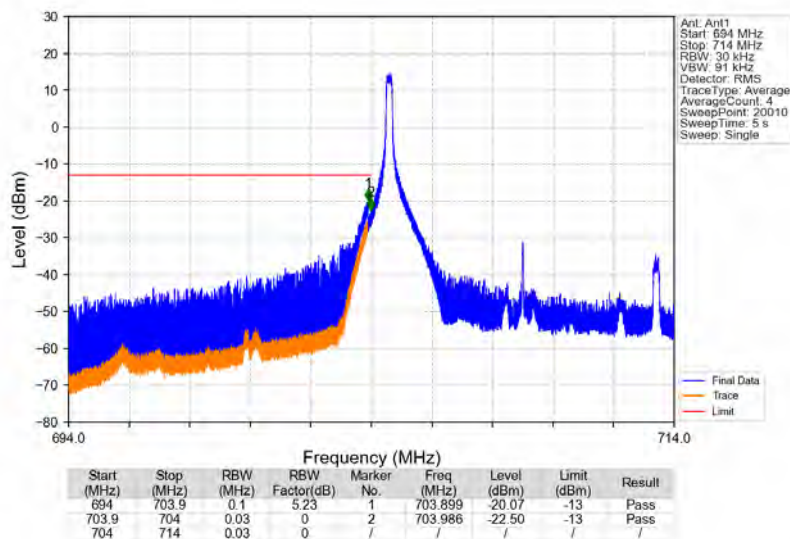
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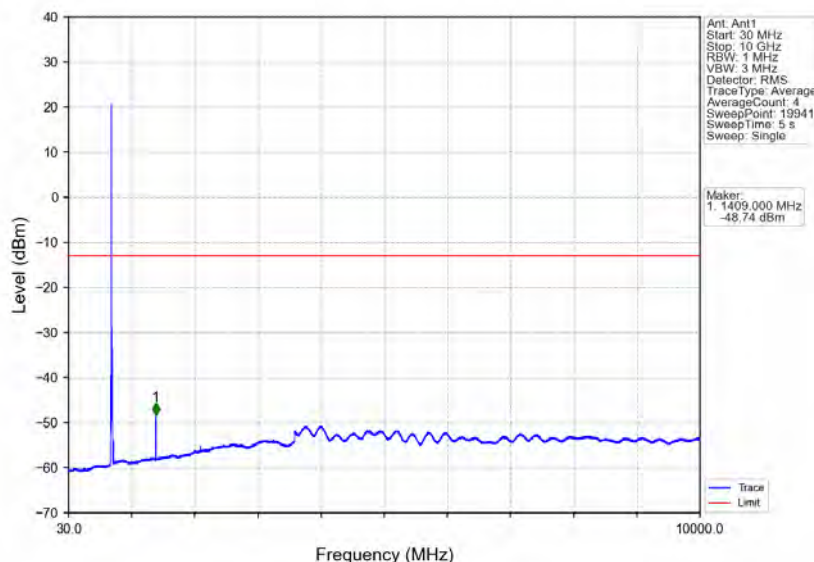
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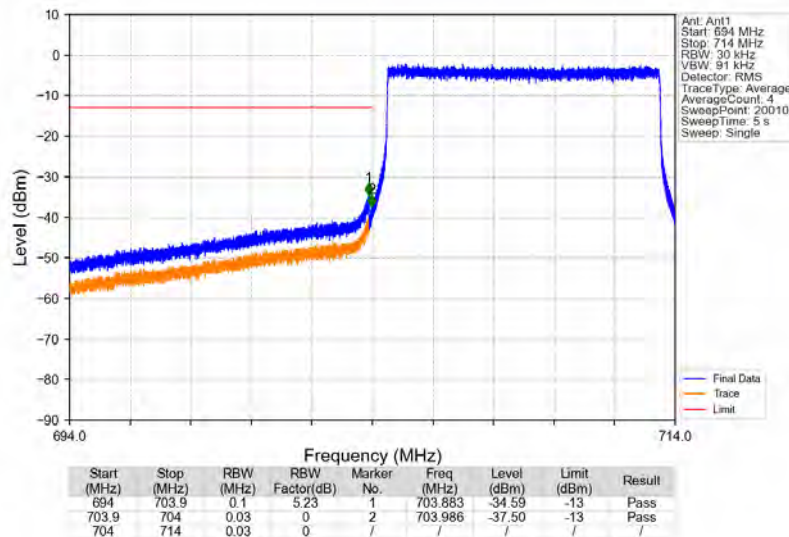
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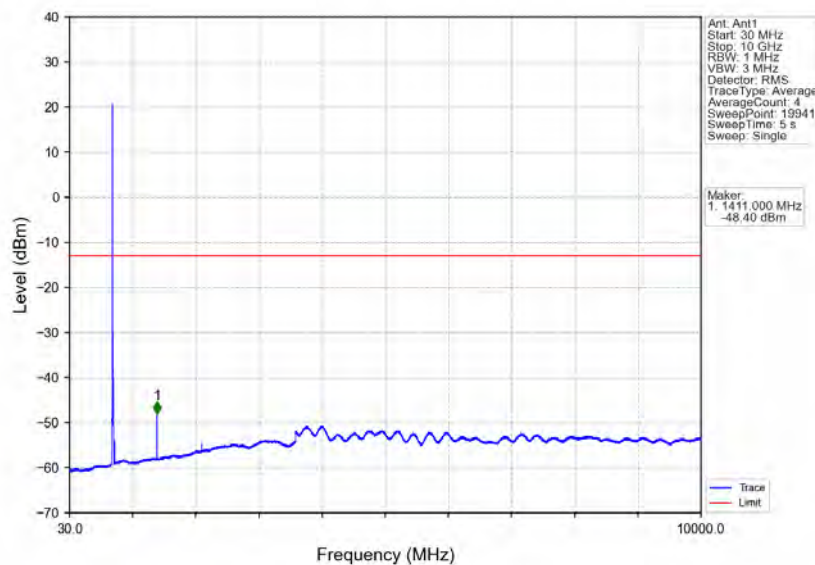
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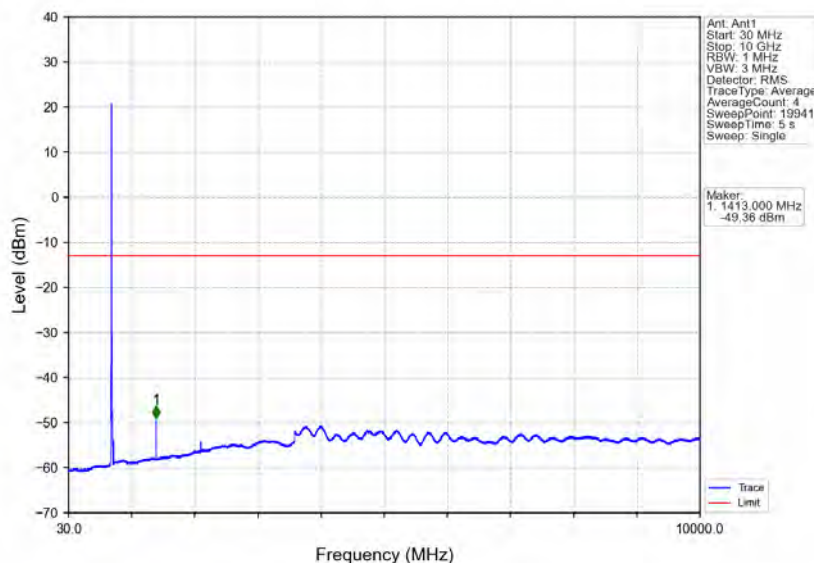
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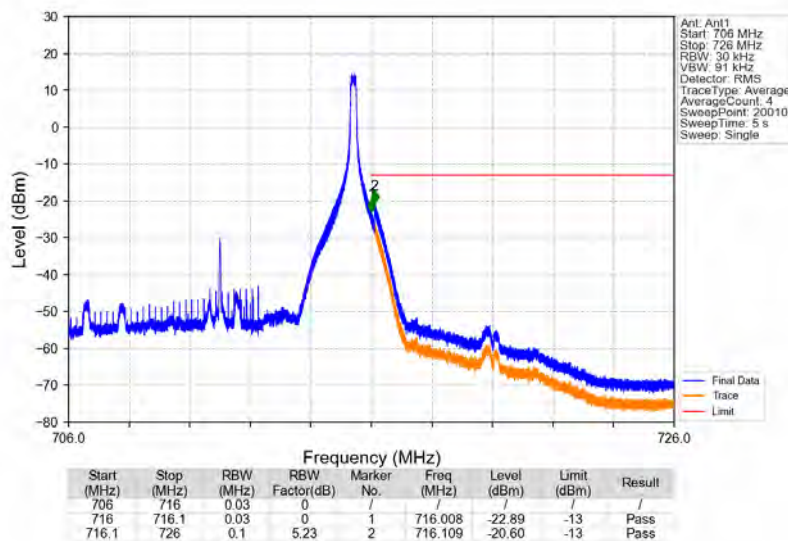
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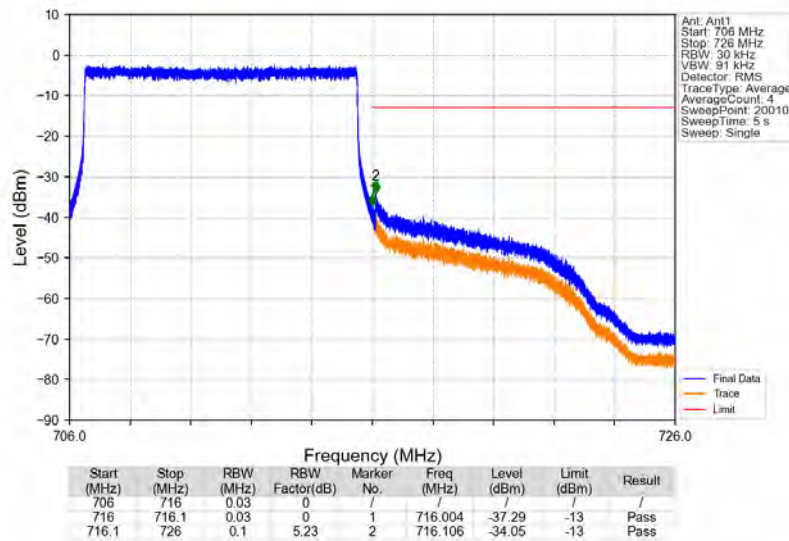
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7. Form731

7.1 Form731

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.2432	0.0212	ppm	4M57G7D	27H	23.86
17	5	706.5	713.5	0.2000	0.0154	ppm	4M60W7D	27H	23.01
17	5	706.5	713.5	0.2000	0.0154	ppm	4M60W7D	27H	23.01
17	10	709	711	0.2529	0.0118	ppm	9M10G7D	27H	24.03
17	10	709	711	0.2148	0.0172	ppm	9M10W7D	27H	23.32
17	10	709	711	0.2148	0.0172	ppm	9M10W7D	27H	23.32



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