

1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	699.7	1	0	22.23	0.20	20.08	<=34.77	Pass	
			2	22.34	0.20	20.19	<=34.77	Pass	
			5	22.23	0.20	20.08	<=34.77	Pass	
		3	0	22.31	0.20	20.16	<=34.77	Pass	
			2	22.35	0.20	20.20	<=34.77	Pass	
			3	22.33	0.20	20.18	<=34.77	Pass	
		6	0	21.32	0.20	19.17	<=34.77	Pass	
		707.5	1	0	22.45	0.20	20.30	<=34.77	Pass
				2	22.54	0.20	20.39	<=34.77	Pass
	5			22.42	0.20	20.27	<=34.77	Pass	
	3		0	22.53	0.20	20.38	<=34.77	Pass	
			2	22.51	0.20	20.36	<=34.77	Pass	
			3	22.48	0.20	20.33	<=34.77	Pass	
	6	0	21.47	0.20	19.32	<=34.77	Pass		
	715.3	1	0	22.51	0.20	20.36	<=34.77	Pass	
			2	22.59	0.20	20.44	<=34.77	Pass	
			5	22.48	0.20	20.33	<=34.77	Pass	
		3	0	22.54	0.20	20.39	<=34.77	Pass	
			2	22.58	0.20	20.43	<=34.77	Pass	
			3	22.55	0.20	20.40	<=34.77	Pass	
		6	0	21.60	0.20	19.45	<=34.77	Pass	
16QAM	699.7	1	0	21.19	0.20	19.04	<=34.77	Pass	
			2	21.31	0.20	19.16	<=34.77	Pass	
			5	21.23	0.20	19.08	<=34.77	Pass	
		3	0	21.46	0.20	19.31	<=34.77	Pass	
			2	21.45	0.20	19.30	<=34.77	Pass	
			3	21.50	0.20	19.35	<=34.77	Pass	
		6	0	20.29	0.20	18.14	<=34.77	Pass	
	707.5	1	0	21.37	0.20	19.22	<=34.77	Pass	
			2	21.47	0.20	19.32	<=34.77	Pass	
			5	21.36	0.20	19.21	<=34.77	Pass	
		3	0	21.60	0.20	19.45	<=34.77	Pass	
			2	21.64	0.20	19.49	<=34.77	Pass	
			3	21.56	0.20	19.41	<=34.77	Pass	
	6	0	20.46	0.20	18.31	<=34.77	Pass		
	715.3	1	0	21.63	0.20	19.48	<=34.77	Pass	
			2	21.74	0.20	19.59	<=34.77	Pass	
			5	21.59	0.20	19.44	<=34.77	Pass	
		3	0	21.51	0.20	19.36	<=34.77	Pass	
2			21.55	0.20	19.40	<=34.77	Pass		
3			21.48	0.20	19.33	<=34.77	Pass		
6		0	20.55	0.20	18.40	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	22.39	0.20	20.24	<=34.77	Pass	
			7	22.50	0.20	20.35	<=34.77	Pass	
			14	22.40	0.20	20.25	<=34.77	Pass	
		8	0	21.37	0.20	19.22	<=34.77	Pass	
			4	21.38	0.20	19.23	<=34.77	Pass	
			7	21.33	0.20	19.18	<=34.77	Pass	
		15	0	21.32	0.20	19.17	<=34.77	Pass	
		707.5	1	0	22.41	0.20	20.26	<=34.77	Pass
				7	22.58	0.20	20.43	<=34.77	Pass
	14			22.44	0.20	20.29	<=34.77	Pass	
	8		0	21.44	0.20	19.29	<=34.77	Pass	
			4	21.51	0.20	19.36	<=34.77	Pass	
			7	21.47	0.20	19.32	<=34.77	Pass	
	15		0	21.42	0.20	19.27	<=34.77	Pass	
	714.5	1	0	22.47	0.20	20.32	<=34.77	Pass	
			7	22.60	0.20	20.45	<=34.77	Pass	
			14	22.49	0.20	20.34	<=34.77	Pass	
		8	0	21.51	0.20	19.36	<=34.77	Pass	
			4	21.55	0.20	19.40	<=34.77	Pass	
			7	21.53	0.20	19.38	<=34.77	Pass	
		15	0	21.49	0.20	19.34	<=34.77	Pass	
16QAM	700.5	1	0	21.37	0.20	19.22	<=34.77	Pass	
			7	21.51	0.20	19.36	<=34.77	Pass	
			14	21.36	0.20	19.21	<=34.77	Pass	
		8	0	20.41	0.20	18.26	<=34.77	Pass	
			4	20.43	0.20	18.28	<=34.77	Pass	
			7	20.38	0.20	18.23	<=34.77	Pass	
		15	0	20.36	0.20	18.21	<=34.77	Pass	
		707.5	1	0	21.58	0.20	19.43	<=34.77	Pass
				7	21.70	0.20	19.55	<=34.77	Pass
	14			21.56	0.20	19.41	<=34.77	Pass	
	8		0	20.39	0.20	18.24	<=34.77	Pass	
			4	20.44	0.20	18.29	<=34.77	Pass	
			7	20.42	0.20	18.27	<=34.77	Pass	
	15		0	20.38	0.20	18.23	<=34.77	Pass	
	714.5	1	0	22.03	0.20	19.88	<=34.77	Pass	
			7	22.14	0.20	19.99	<=34.77	Pass	
			14	21.98	0.20	19.83	<=34.77	Pass	
		8	0	20.62	0.20	18.47	<=34.77	Pass	
			4	20.70	0.20	18.55	<=34.77	Pass	
			7	20.66	0.20	18.51	<=34.77	Pass	
		15	0	20.55	0.20	18.40	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	22.25	0.20	20.10	<=34.77	Pass
			13	22.39	0.20	20.24	<=34.77	Pass
			24	22.37	0.20	20.22	<=34.77	Pass

16QAM	707.5	12	0	21.44	0.20	19.29	<=34.77	Pass
			6	21.37	0.20	19.22	<=34.77	Pass
			13	21.33	0.20	19.18	<=34.77	Pass
		25	0	21.38	0.20	19.23	<=34.77	Pass
		1	0	22.29	0.20	20.14	<=34.77	Pass
			13	22.45	0.20	20.30	<=34.77	Pass
			24	22.39	0.20	20.24	<=34.77	Pass
		12	0	21.32	0.20	19.17	<=34.77	Pass
			6	21.44	0.20	19.29	<=34.77	Pass
			13	21.50	0.20	19.35	<=34.77	Pass
		25	0	21.38	0.20	19.23	<=34.77	Pass
	713.5	1	0	22.37	0.20	20.22	<=34.77	Pass
			13	22.52	0.20	20.37	<=34.77	Pass
			24	22.44	0.20	20.29	<=34.77	Pass
		12	0	21.56	0.20	19.41	<=34.77	Pass
			6	21.50	0.20	19.35	<=34.77	Pass
			13	21.49	0.20	19.34	<=34.77	Pass
		25	0	21.54	0.20	19.39	<=34.77	Pass
	701.5	1	0	21.28	0.20	19.13	<=34.77	Pass
			13	21.45	0.20	19.30	<=34.77	Pass
			24	21.43	0.20	19.28	<=34.77	Pass
		12	0	20.38	0.20	18.23	<=34.77	Pass
			6	20.35	0.20	18.20	<=34.77	Pass
			13	20.28	0.20	18.13	<=34.77	Pass
		25	0	20.40	0.20	18.25	<=34.77	Pass
	707.5	1	0	21.53	0.20	19.38	<=34.77	Pass
			13	21.66	0.20	19.51	<=34.77	Pass
			24	21.61	0.20	19.46	<=34.77	Pass
		12	0	20.36	0.20	18.21	<=34.77	Pass
			6	20.41	0.20	18.26	<=34.77	Pass
			13	20.45	0.20	18.30	<=34.77	Pass
		25	0	20.39	0.20	18.24	<=34.77	Pass
	713.5	1	0	21.19	0.20	19.04	<=34.77	Pass
			13	21.35	0.20	19.20	<=34.77	Pass
			24	21.28	0.20	19.13	<=34.77	Pass
		12	0	20.52	0.20	18.37	<=34.77	Pass
			6	20.50	0.20	18.35	<=34.77	Pass
			13	20.42	0.20	18.27	<=34.77	Pass
		25	0	20.58	0.20	18.43	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.28	0.20	20.13	<=34.77	Pass
			25	22.55	0.20	20.40	<=34.77	Pass
			49	22.47	0.20	20.32	<=34.77	Pass
		25	0	21.46	0.20	19.31	<=34.77	Pass
			13	21.41	0.20	19.26	<=34.77	Pass
			25	21.62	0.20	19.47	<=34.77	Pass
		50	0	21.57	0.20	19.42	<=34.77	Pass
	707.5	1	0	22.27	0.20	20.12	<=34.77	Pass
			25	22.54	0.20	20.39	<=34.77	Pass

16QAM	711	25	49	22.44	0.20	20.29	<=34.77	Pass
			0	21.26	0.20	19.11	<=34.77	Pass
			13	21.42	0.20	19.27	<=34.77	Pass
			25	21.41	0.20	19.26	<=34.77	Pass
		50	0	21.33	0.20	19.18	<=34.77	Pass
			0	22.36	0.20	20.21	<=34.77	Pass
		1	25	22.52	0.20	20.37	<=34.77	Pass
			49	22.52	0.20	20.37	<=34.77	Pass
			0	21.37	0.20	19.22	<=34.77	Pass
			13	21.48	0.20	19.33	<=34.77	Pass
			25	21.41	0.20	19.26	<=34.77	Pass
			0	21.34	0.20	19.19	<=34.77	Pass
	704	1	0	21.26	0.20	19.11	<=34.77	Pass
			25	21.52	0.20	19.37	<=34.77	Pass
			49	21.42	0.20	19.27	<=34.77	Pass
		25	0	20.51	0.20	18.36	<=34.77	Pass
			13	20.46	0.20	18.31	<=34.77	Pass
			25	20.65	0.20	18.50	<=34.77	Pass
		50	0	20.53	0.20	18.38	<=34.77	Pass
			0	21.40	0.20	19.25	<=34.77	Pass
		1	25	21.68	0.20	19.53	<=34.77	Pass
			49	21.62	0.20	19.47	<=34.77	Pass
			0	20.25	0.20	18.10	<=34.77	Pass
			13	20.42	0.20	18.27	<=34.77	Pass
			25	20.44	0.20	18.29	<=34.77	Pass
			0	20.33	0.20	18.18	<=34.77	Pass
	711	1	0	21.84	0.20	19.69	<=34.77	Pass
			25	22.11	0.20	19.96	<=34.77	Pass
			49	22.01	0.20	19.86	<=34.77	Pass
		25	0	20.39	0.20	18.24	<=34.77	Pass
			13	20.49	0.20	18.34	<=34.77	Pass
			25	20.46	0.20	18.31	<=34.77	Pass
		50	0	20.36	0.20	18.21	<=34.77	Pass
			0	20.36	0.20	18.21	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

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	3.27	-7.339	-0.0105	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-4.907	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.364	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-6.866	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-6.938	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0092	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass

					3.85	-10.171	-0.0144	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-7.739	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-7.553	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0060	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-5.965	-0.0083	-2.5 to 2.5	Pass
					3.85	-11.086	-0.0155	-2.5 to 2.5	Pass
					4.43	-7.696	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-7.067	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-5.608	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-5.322	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0100	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-9.298	-0.0133	-2.5 to 2.5	Pass
					3.85	-8.812	-0.0126	-2.5 to 2.5	Pass
					4.43	-3.676	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-10.471	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-6.695	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-3.719	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0033	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-6.623	-0.0094	-2.5 to 2.5	Pass
					3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.920	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-2.017	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-7.582	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-9.098	-0.0129	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.033	-0.0042	-2.5 to 2.5	Pass
					3.85	-7.110	-0.0099	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-10.672	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-9.599	-0.0134	-2.5 to 2.5	Pass
				30	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-4.950	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-4.549	-0.0065	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0080	-2.5 to 2.5	Pass
					4.43	-2.804	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.835	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.523	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.801	0.0011	-2.5 to 2.5	Pass
					3.85	-7.997	-0.0113	-2.5 to 2.5	Pass
					4.43	-7.210	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-4.177	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-8.912	-0.0126	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-2.518	-0.0035	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0099	-2.5 to 2.5	Pass
					4.43	-8.097	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-6.094	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-4.420	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-6.223	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-6.652	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-8.483	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-7.539	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-7.768	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-7.367	-0.0103	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-3.319	-0.0047	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0073	-2.5 to 2.5	Pass
					4.43	-7.696	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-7.195	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-7.610	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-8.469	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-9.556	-0.0136	-2.5 to 2.5	Pass
				40	3.85	-2.017	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0036	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-2.174	-0.0031	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0098	-2.5 to 2.5	Pass
					4.43	-3.033	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-6.967	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				0	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-8.211	-0.0116	-2.5 to 2.5	Pass

	714.5	15	0	50	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				20	3.27	-5.736	-0.0080	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0043	-2.5 to 2.5	Pass
					4.43	-5.407	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-8.469	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-4.764	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-6.909	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-7.582	-0.0106	-2.5 to 2.5	Pass

2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-6.952	-0.0099	-2.5 to 2.5	Pass
					3.85	-8.554	-0.0122	-2.5 to 2.5	Pass
					4.43	-6.738	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-5.980	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-7.167	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-6.380	-0.0091	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-2.046	-0.0029	-2.5 to 2.5	Pass
					3.85	-5.922	-0.0084	-2.5 to 2.5	Pass
					4.43	-10.128	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-7.267	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.749	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-7.381	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-7.854	-0.0111	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-3.705	-0.0052	-2.5 to 2.5	Pass
					3.85	-9.470	-0.0133	-2.5 to 2.5	Pass
					4.43	-11.945	-0.0167	-2.5 to 2.5	Pass
				-30	3.85	-6.609	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-8.183	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-5.708	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-6.852	-0.0096	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-8.941	-0.0127	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0106	-2.5 to 2.5	Pass
					4.43	-8.111	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-9.398	-0.0134	-2.5 to 2.5	Pass

				-20	3.85	-3.090	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-8.154	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-6.609	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-3.748	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-7.710	-0.0110	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.552	-0.0093	-2.5 to 2.5	Pass
					3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
					4.43	-4.535	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-8.726	-0.0123	-2.5 to 2.5	Pass
				-10	3.85	-9.084	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-6.995	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-8.240	-0.0116	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-7.067	-0.0099	-2.5 to 2.5	Pass
					3.85	-8.111	-0.0114	-2.5 to 2.5	Pass
					4.43	-4.692	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-5.064	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-9.227	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-9.356	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-11.415	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-8.240	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-8.197	-0.0115	-2.5 to 2.5	Pass

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	3.27	-2.904	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.722	-0.0081	-2.5 to 2.5	Pass
					4.43	-6.237	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-7.496	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-6.866	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-5.107	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-8.626	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0073	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-5.279	-0.0075	-2.5 to 2.5	Pass
					3.85	-8.354	-0.0118	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-6.080	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-3.533	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-4.478	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-6.380	-0.0090	-2.5 to 2.5	Pass

	711	50	0	40	3.85	-5.822	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
				20	3.27	-4.749	-0.0067	-2.5 to 2.5	Pass
					3.85	-8.125	-0.0114	-2.5 to 2.5	Pass
					4.43	-11.516	-0.0162	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-8.039	-0.0113	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-5.536	-0.0079	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-6.480	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-4.277	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-5.894	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-7.224	-0.0103	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0082	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-4.005	-0.0057	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.951	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-7.854	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-7.467	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-4.749	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-3.290	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-7.854	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-8.998	-0.0127	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0120	-2.5 to 2.5	Pass
					4.43	-6.924	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-6.351	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-9.370	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0038	-2.5 to 2.5	Pass

3. Modulation Characteristics

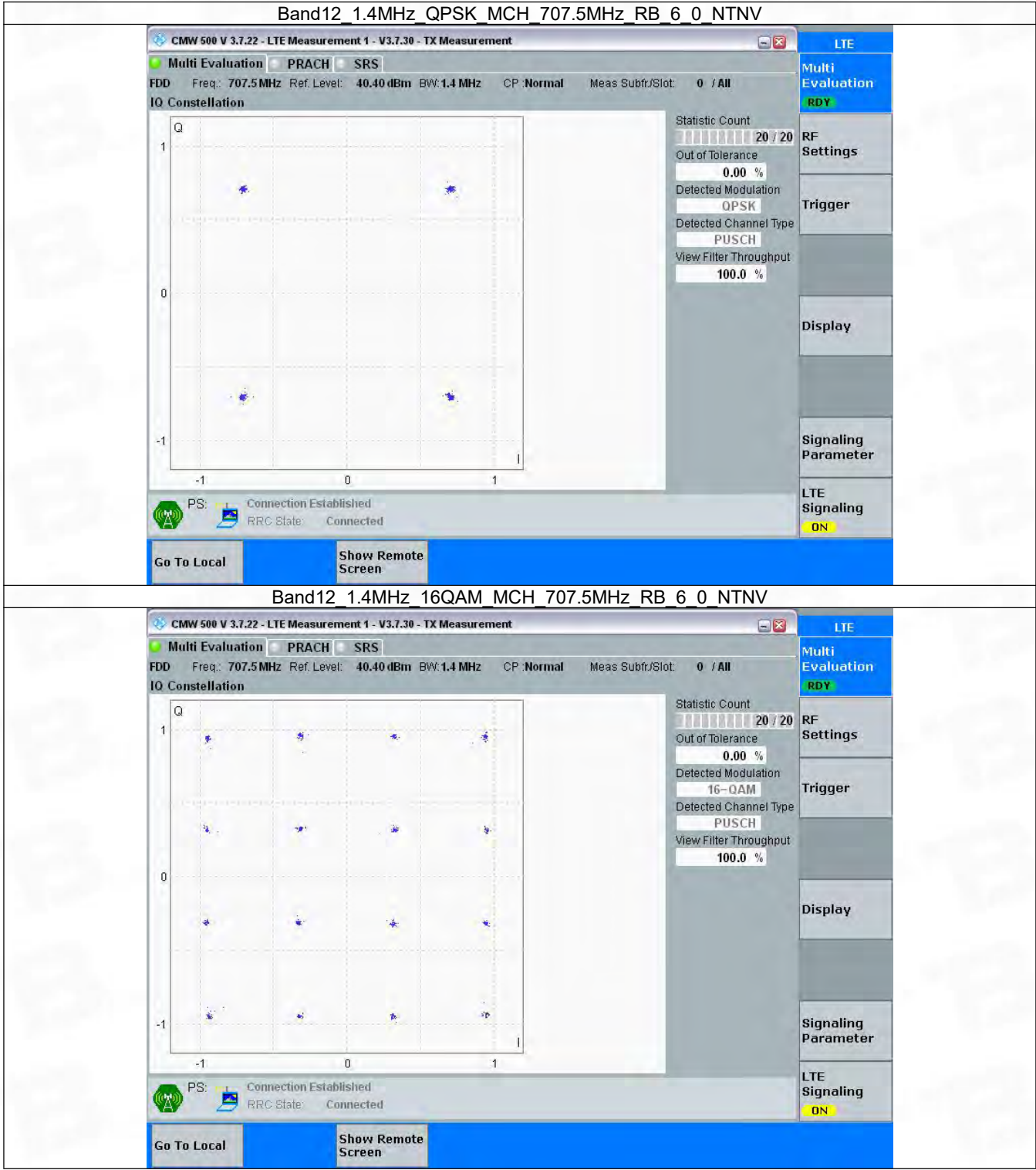
3.1 B12_1.4MHz

3.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

QPSK	707.5	6	0	Refer To Test Graph	Pass
16QAM	707.5	6	0	Refer To Test Graph	Pass

3.1.2 Test Graph

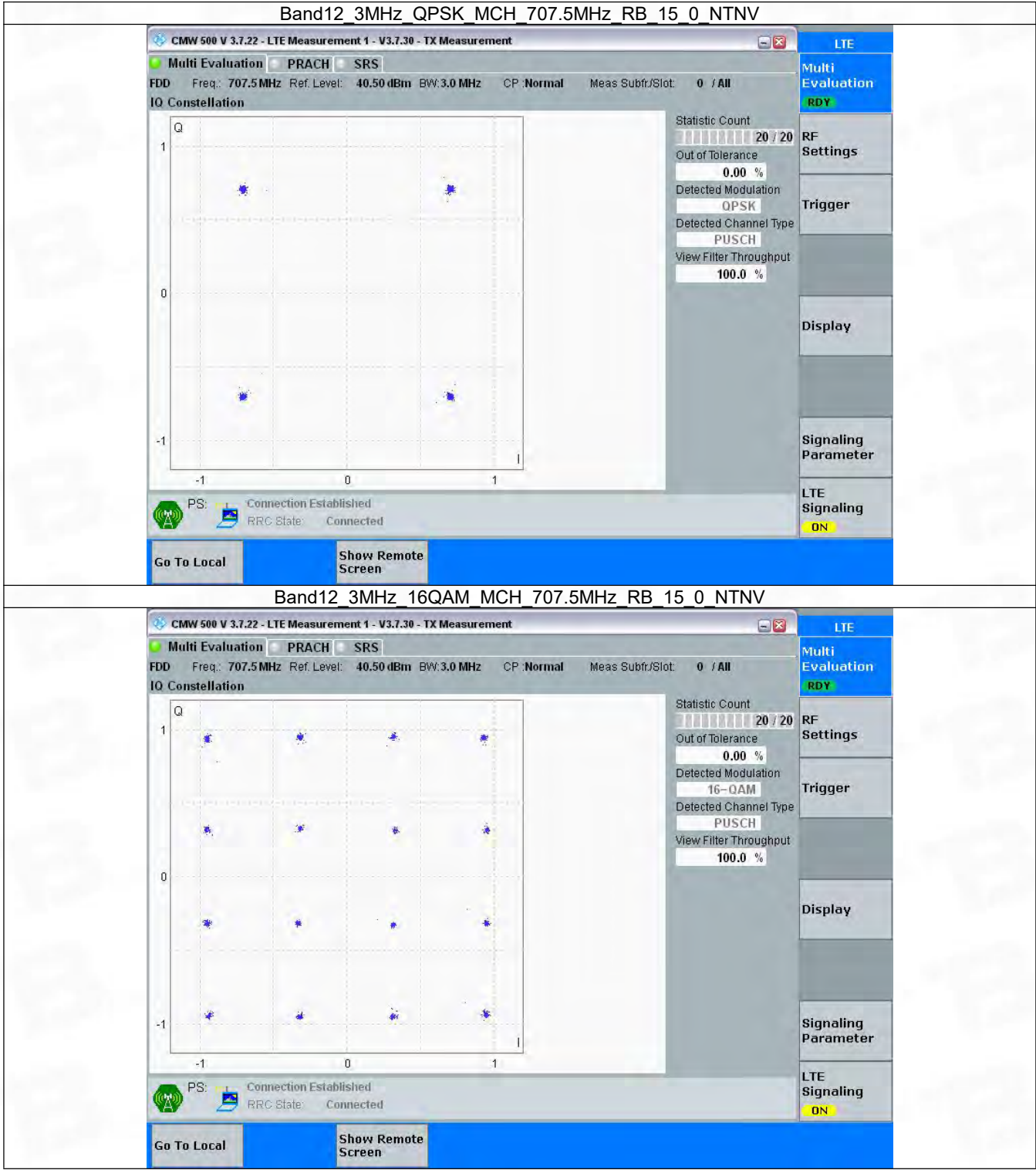


3.2 B12_3MHz

3.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

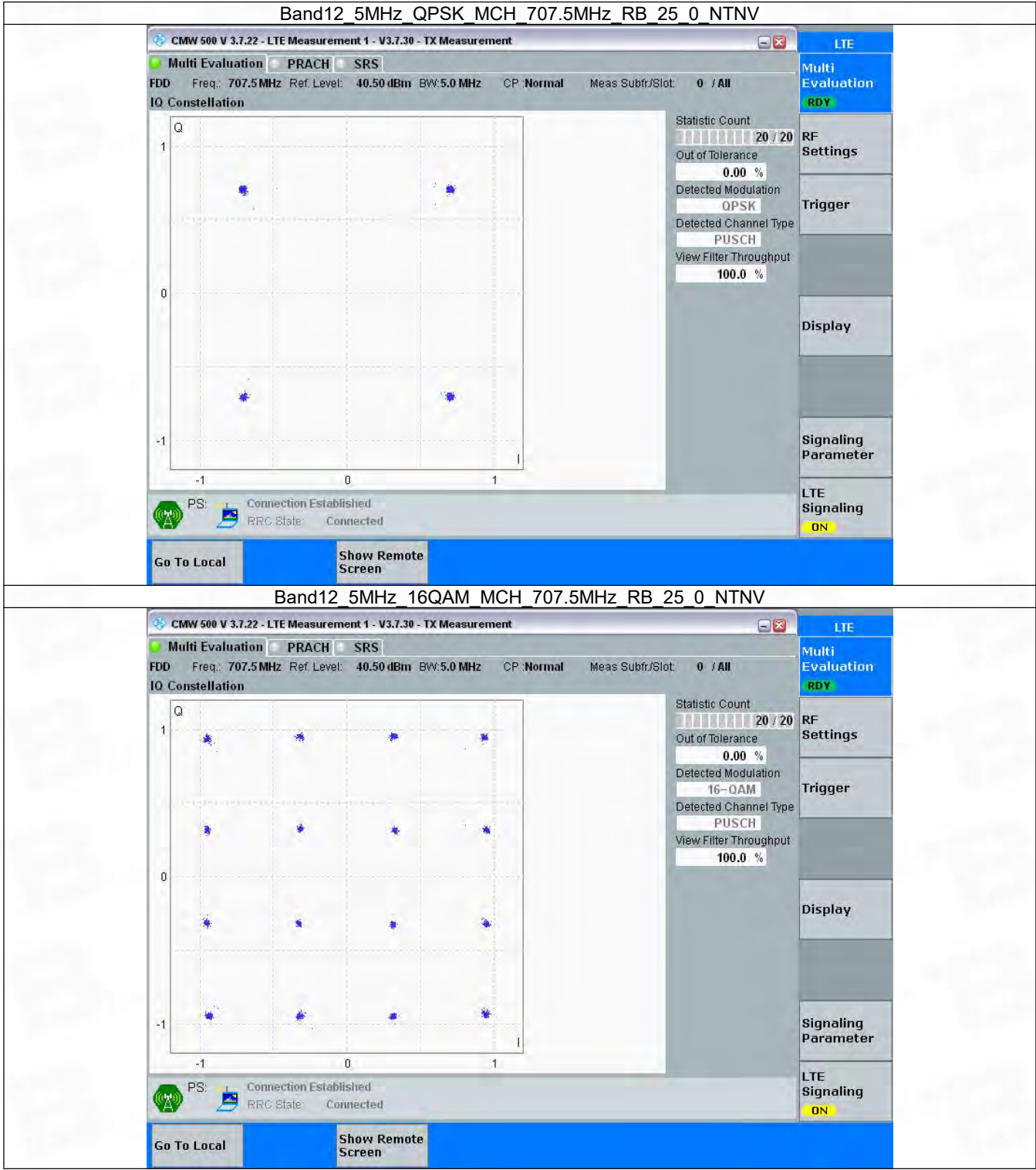


3.3 B12_5MHz

3.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

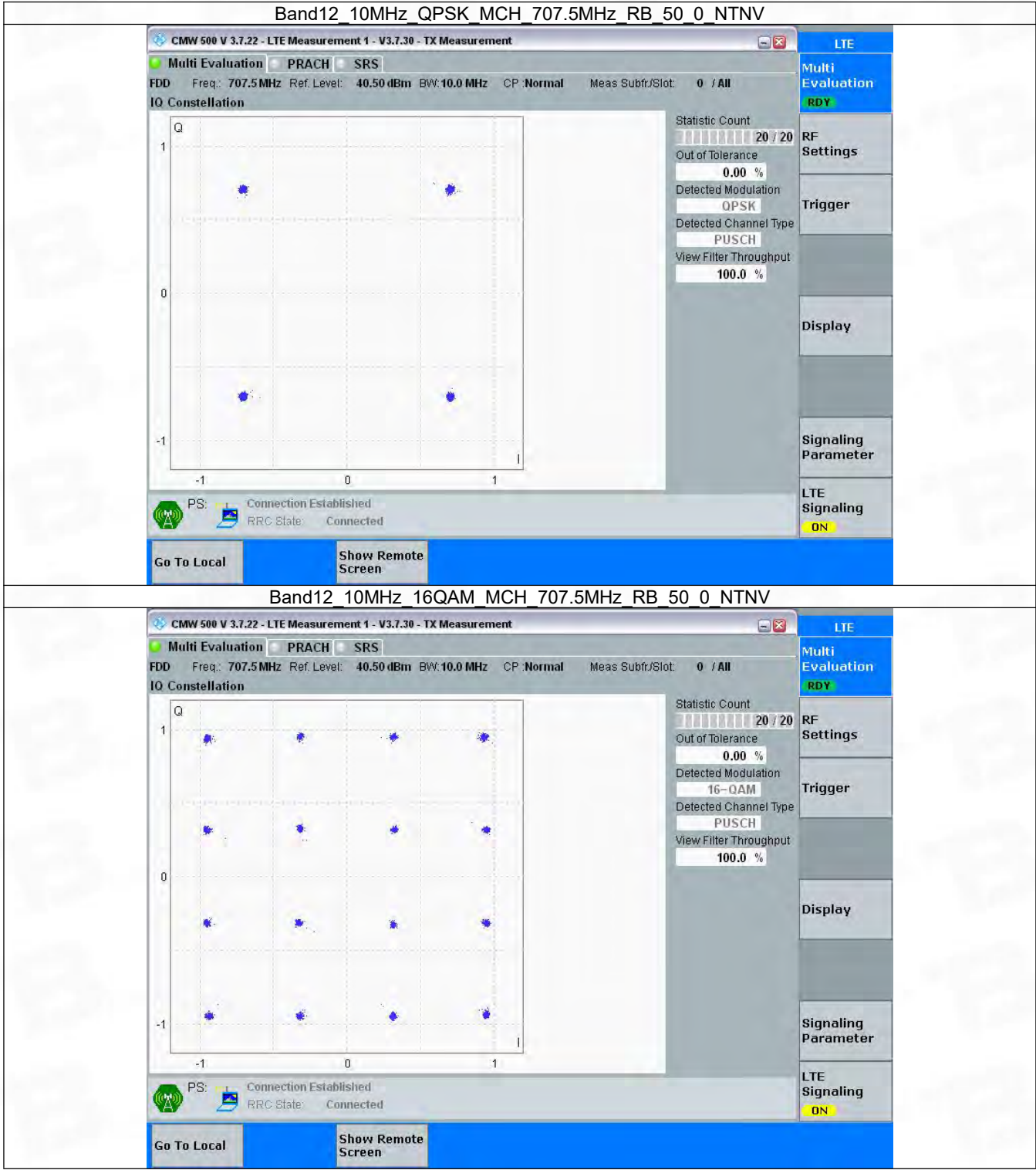


3.4 B12_10MHz

3.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph



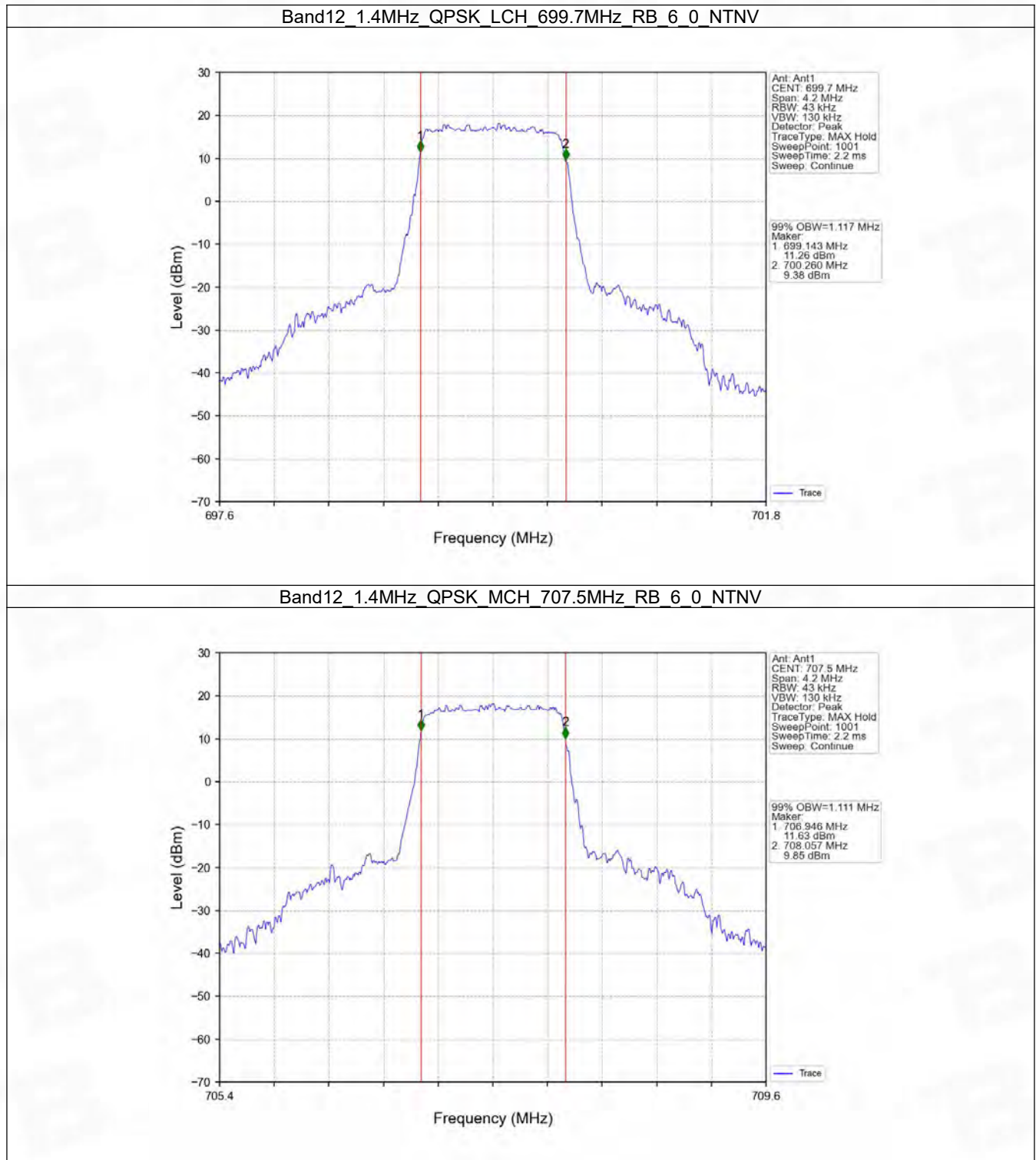
4. 99% & 26dB Bandwidth

4.1 Band12_OBW

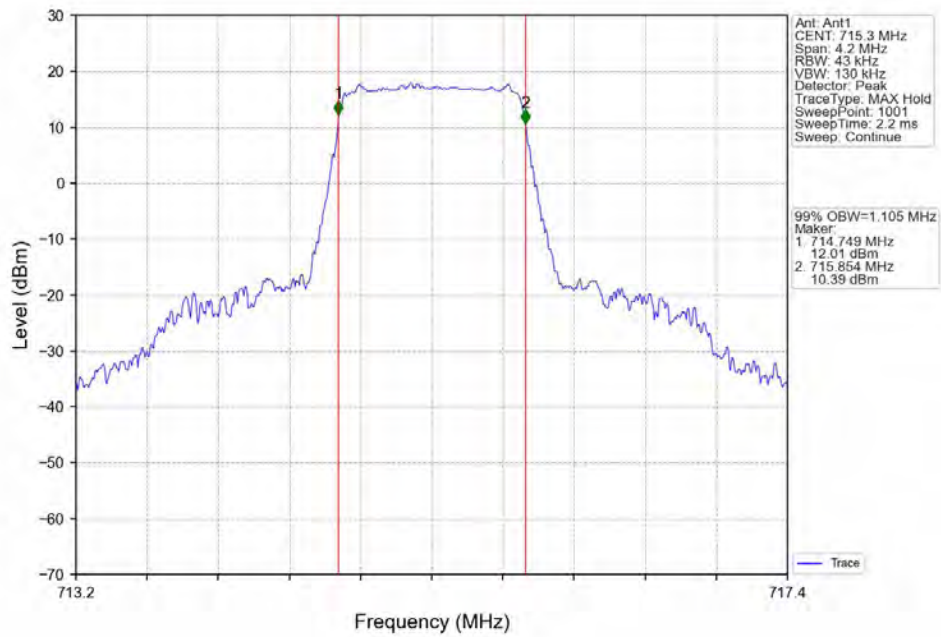
4.1.1 Test Result

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	1.117	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.105	/	Pass
	16QAM	699.7	6	0	1.110	/	Pass
		707.5	6	0	1.100	/	Pass
		715.3	6	0	1.114	/	Pass
3	QPSK	700.5	15	0	2.722	/	Pass
		707.5	15	0	2.730	/	Pass
		714.5	15	0	2.726	/	Pass
	16QAM	700.5	15	0	2.721	/	Pass
		707.5	15	0	2.724	/	Pass
		714.5	15	0	2.720	/	Pass
5	QPSK	701.5	25	0	4.581	/	Pass
		707.5	25	0	4.564	/	Pass
		713.5	25	0	4.585	/	Pass
	16QAM	701.5	25	0	4.587	/	Pass
		707.5	25	0	4.577	/	Pass
		713.5	25	0	4.587	/	Pass
10	QPSK	704	50	0	9.135	/	Pass
		707.5	50	0	9.050	/	Pass
		711	50	0	9.062	/	Pass
	16QAM	704	50	0	9.131	/	Pass
		707.5	50	0	9.054	/	Pass
		711	50	0	9.076	/	Pass

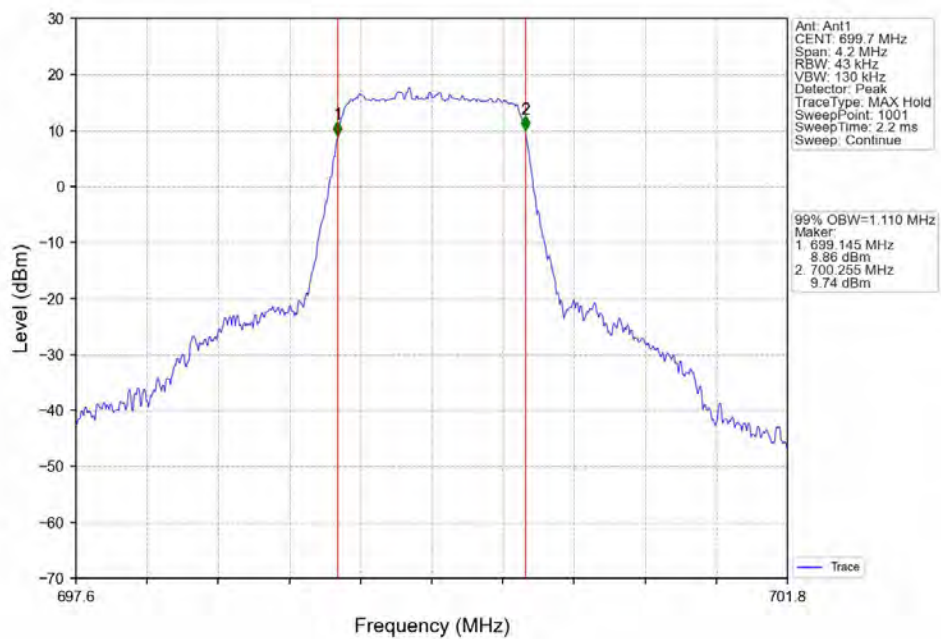
4.1.2 Test Graph



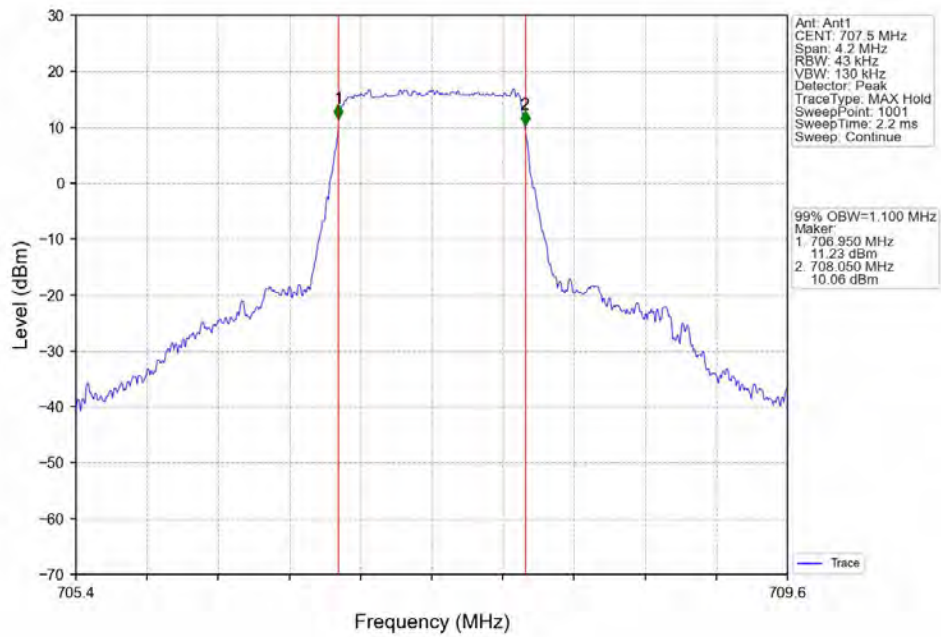
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



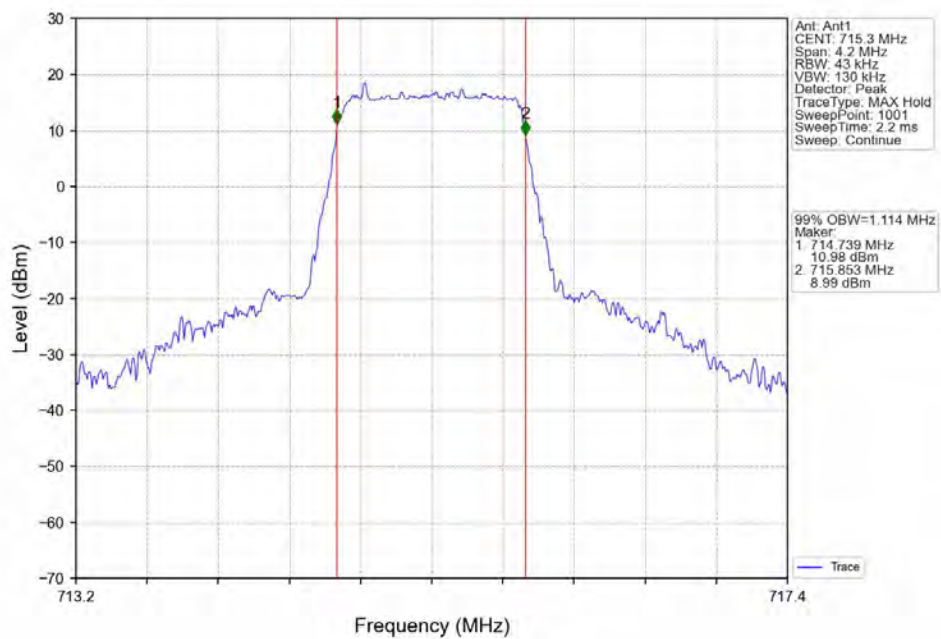
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



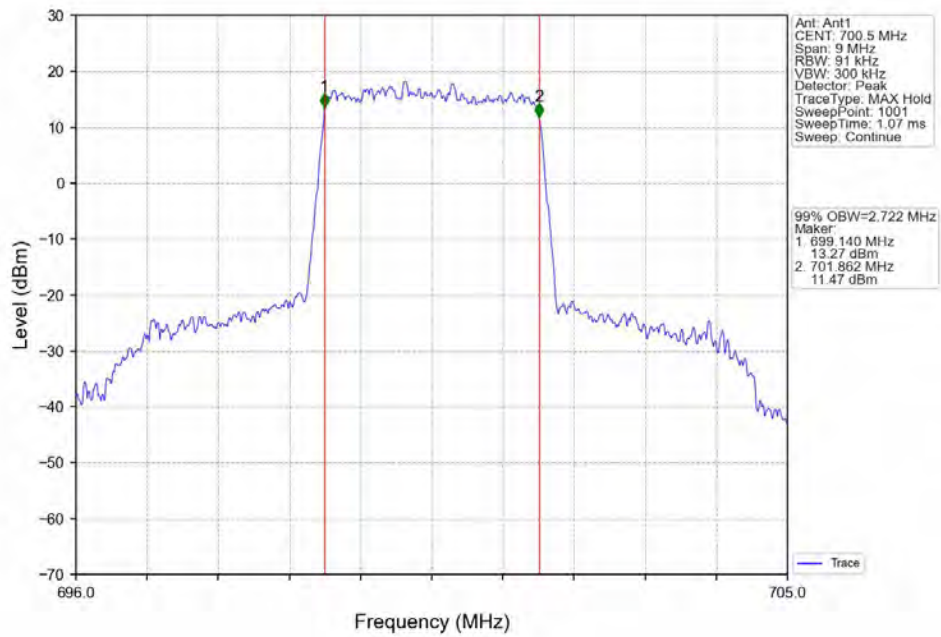
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



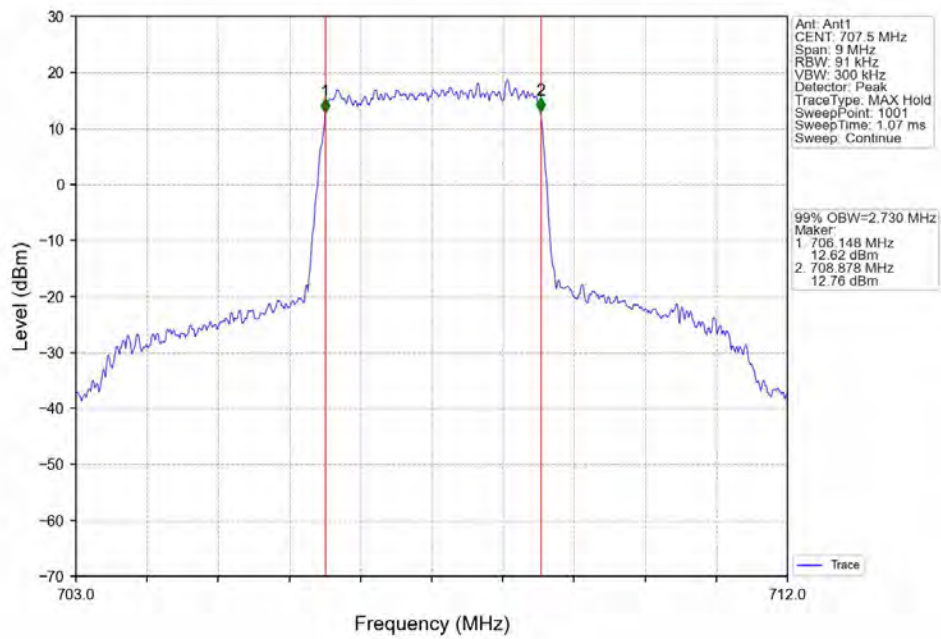
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



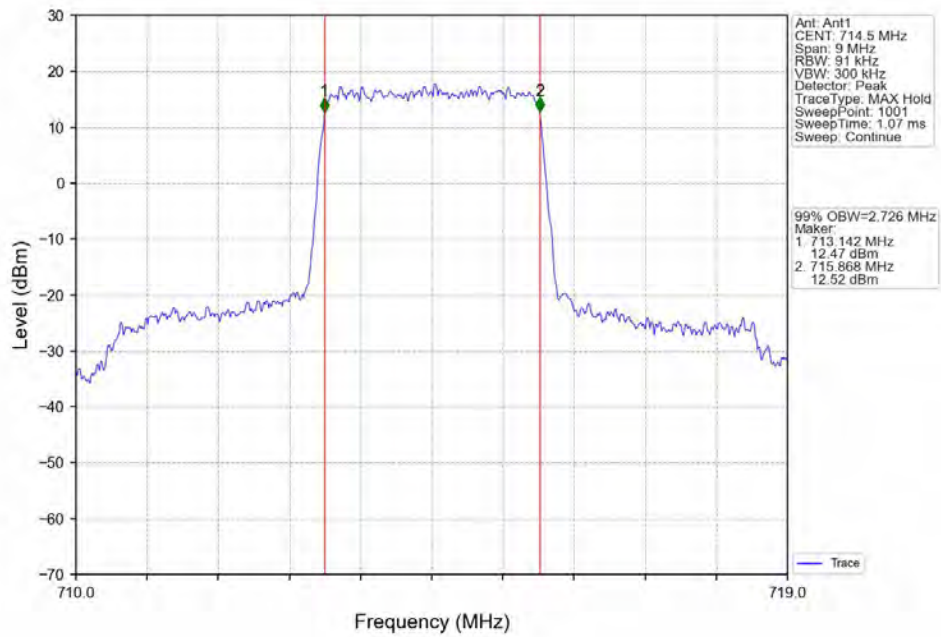
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



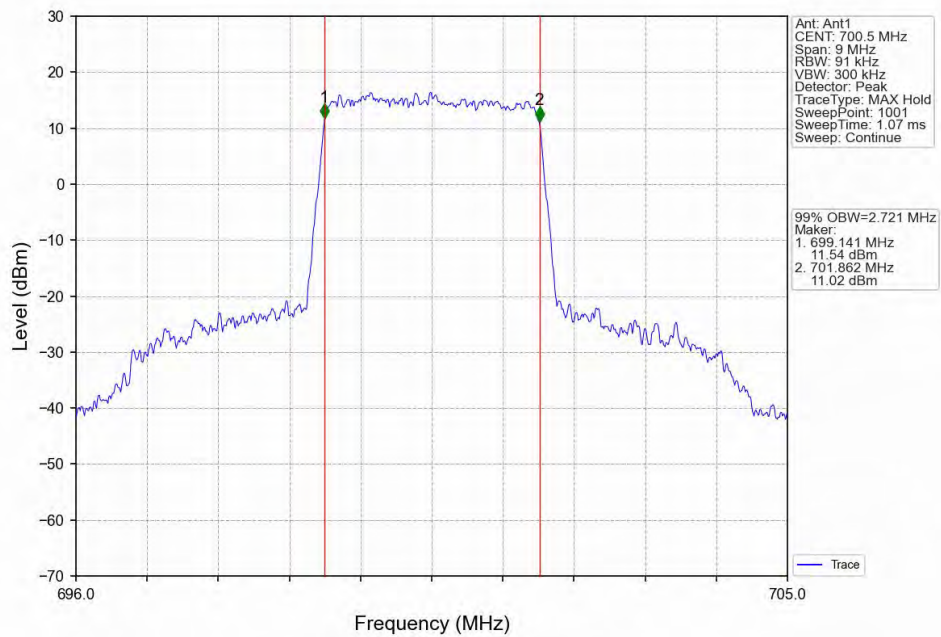
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



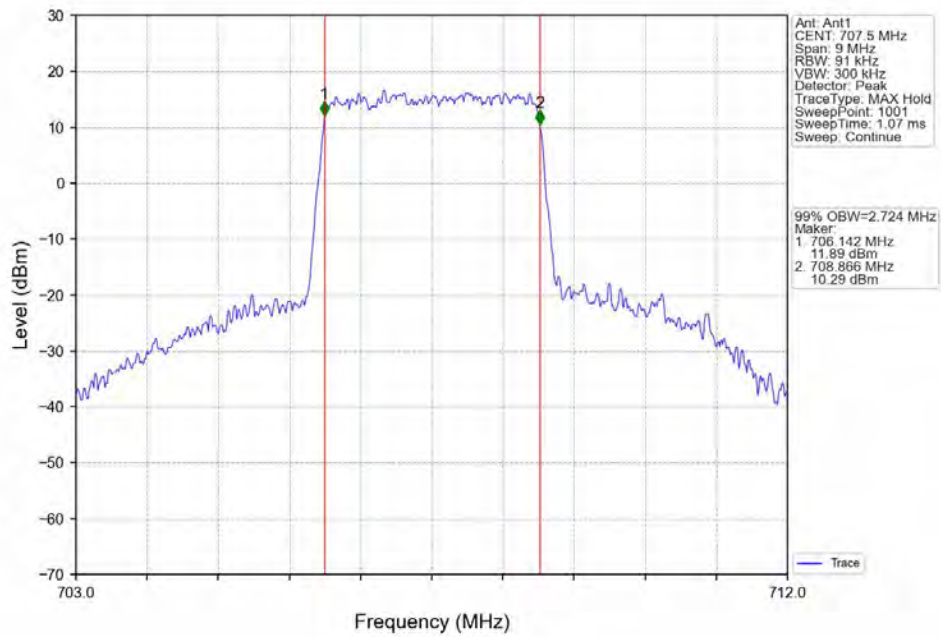
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



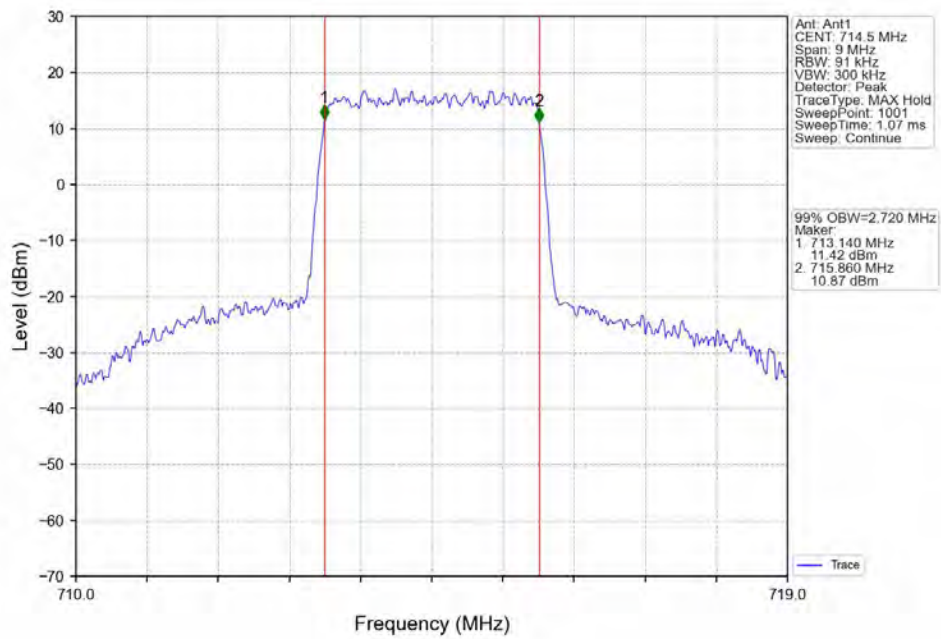
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



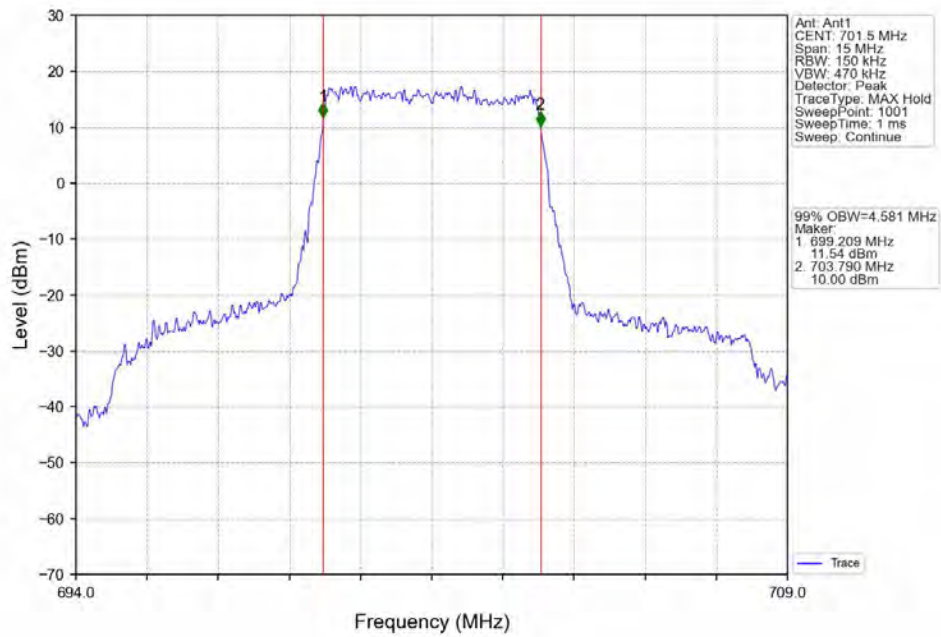
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



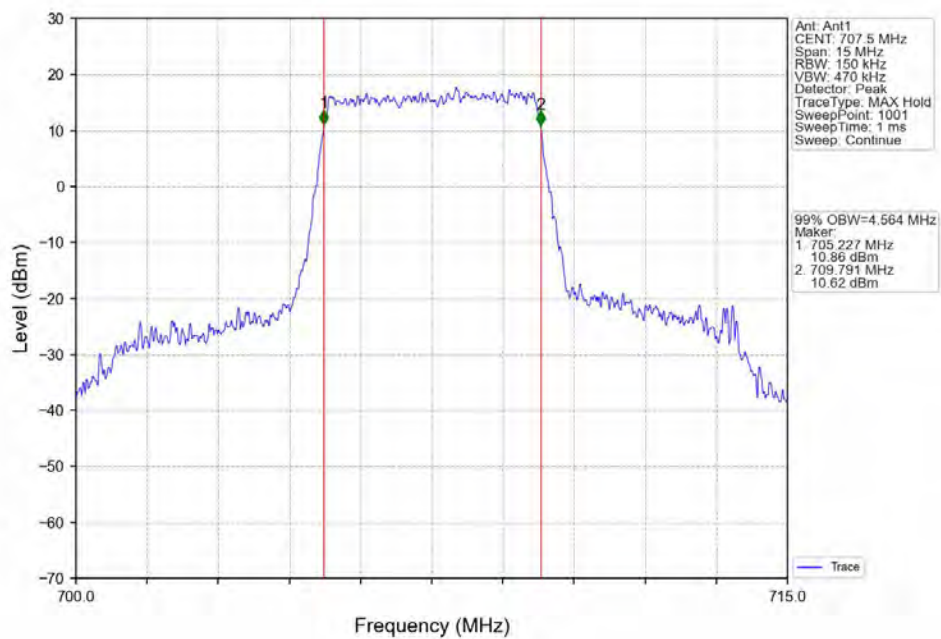
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



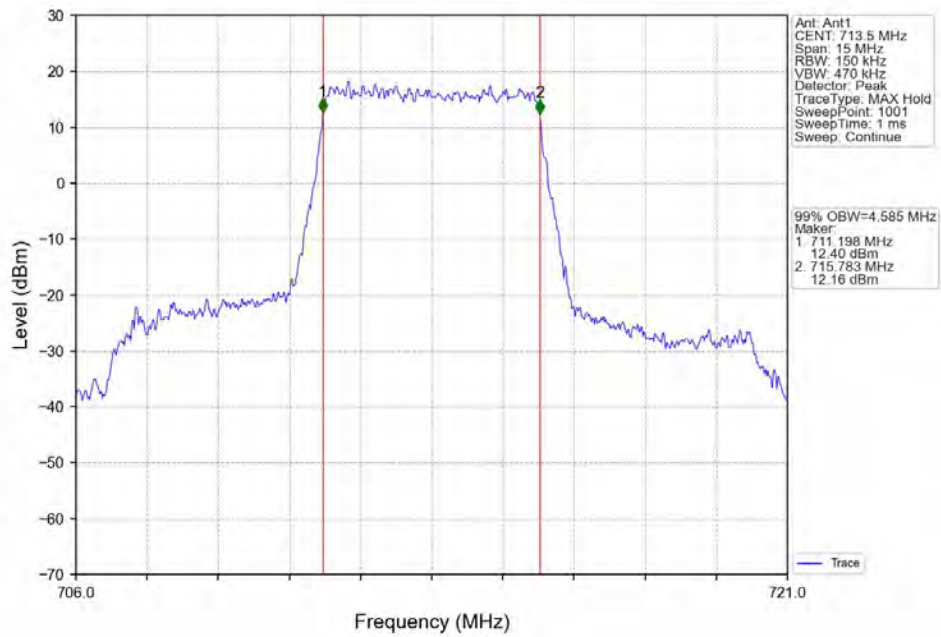
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



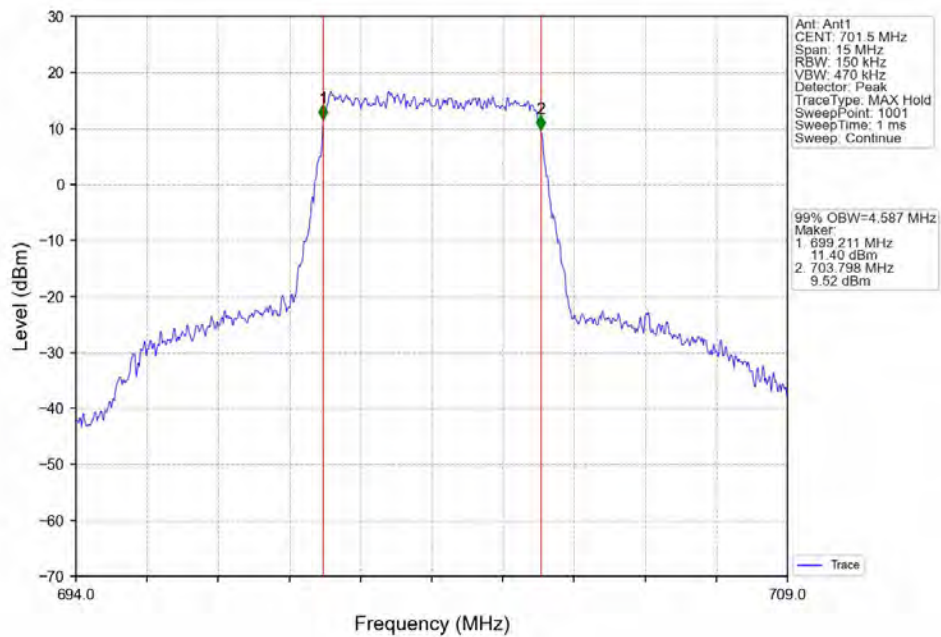
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



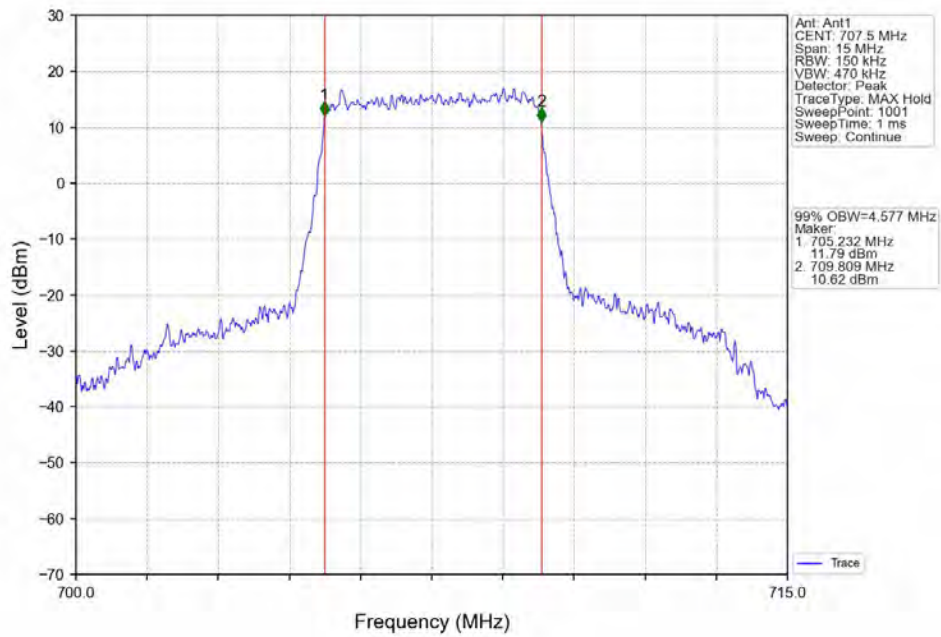
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



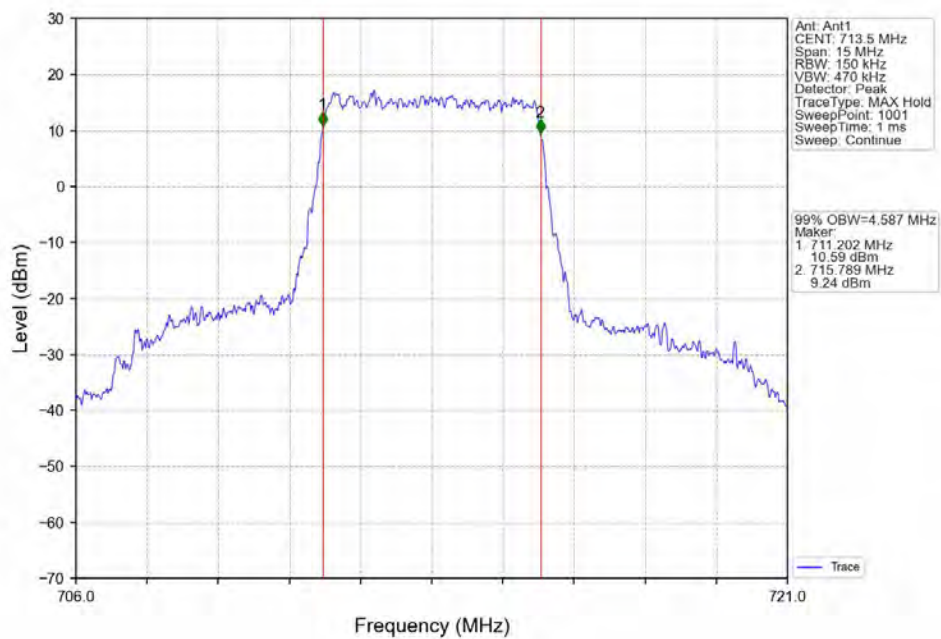
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



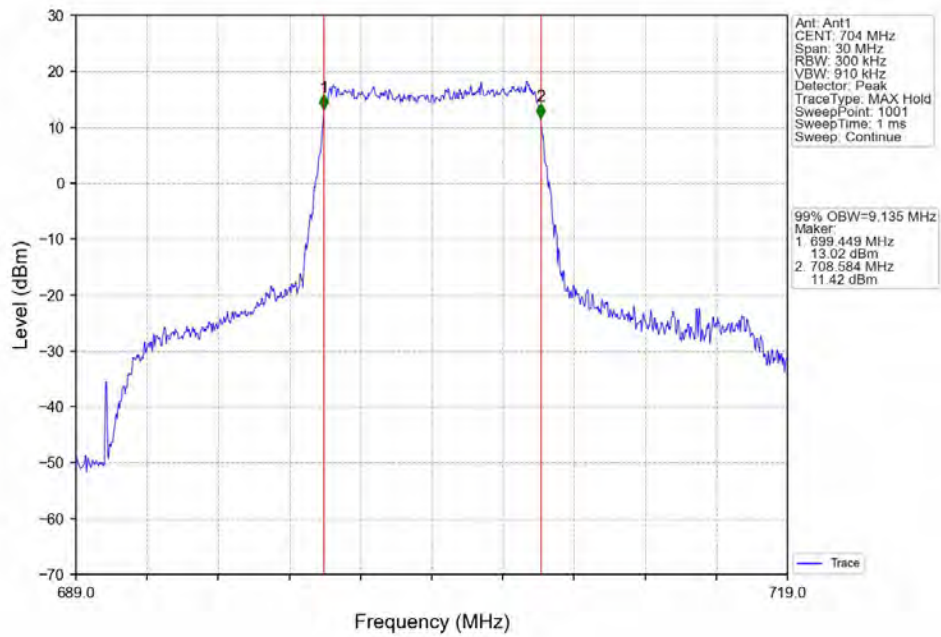
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



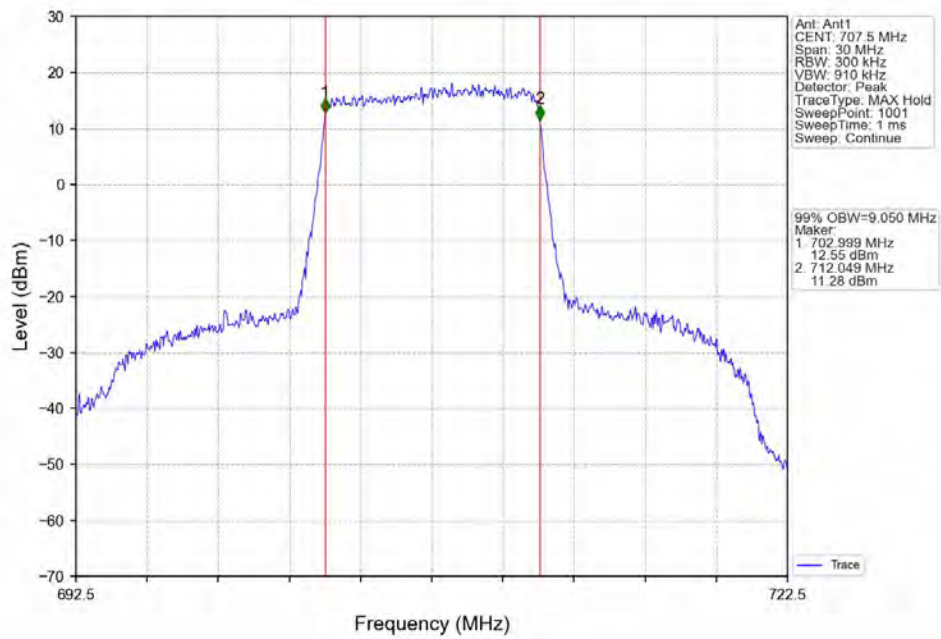
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



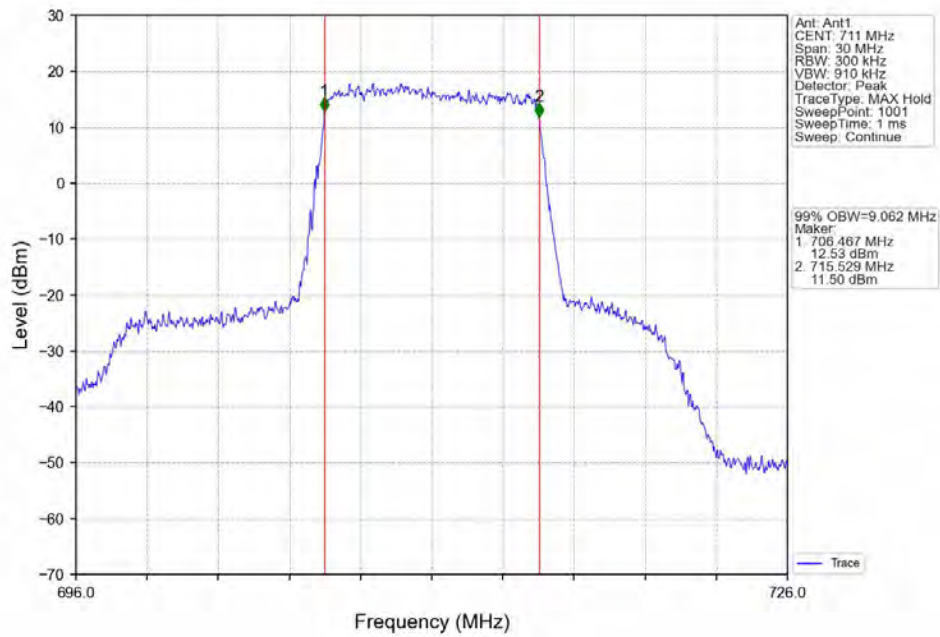
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



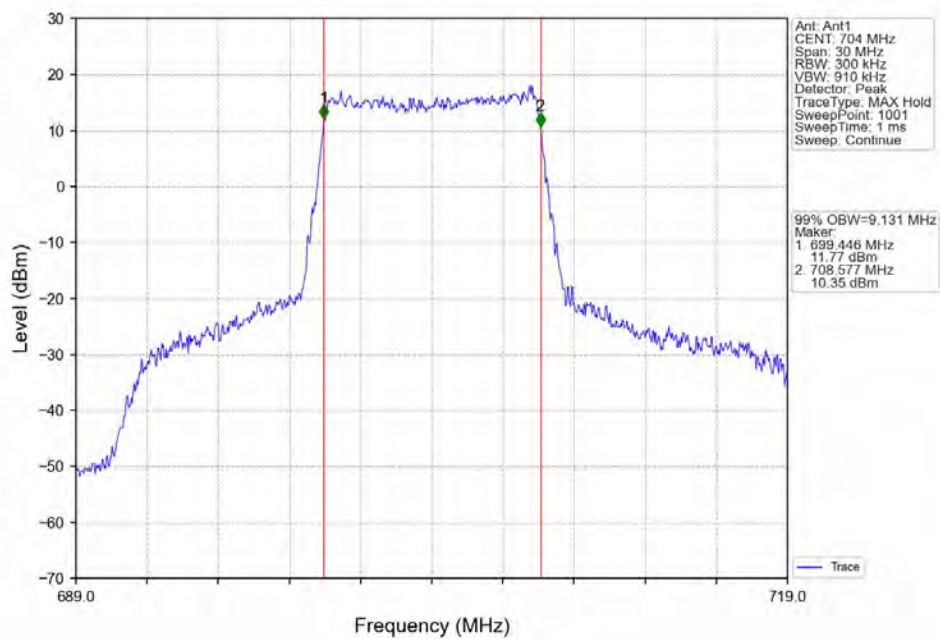
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



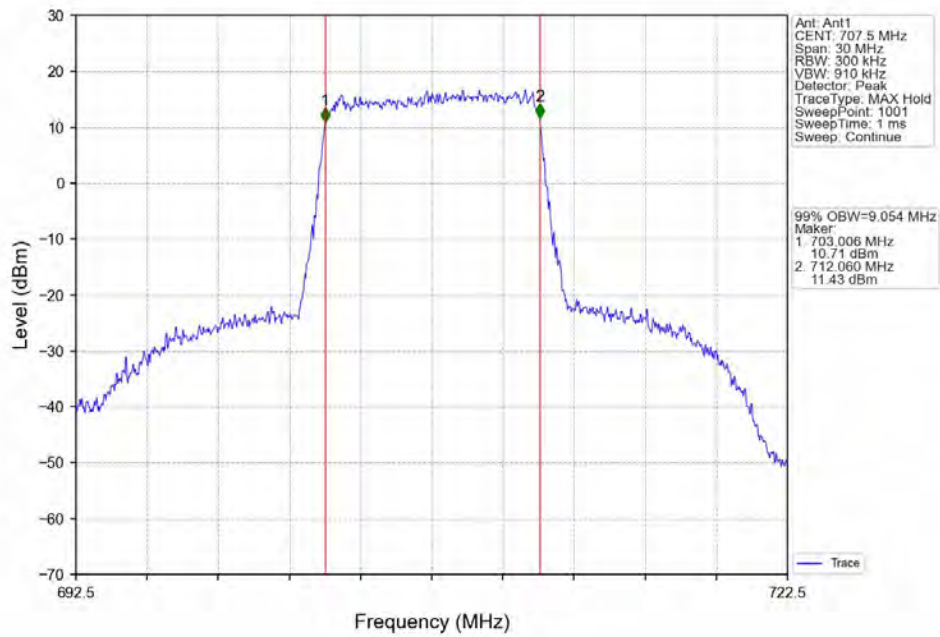
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



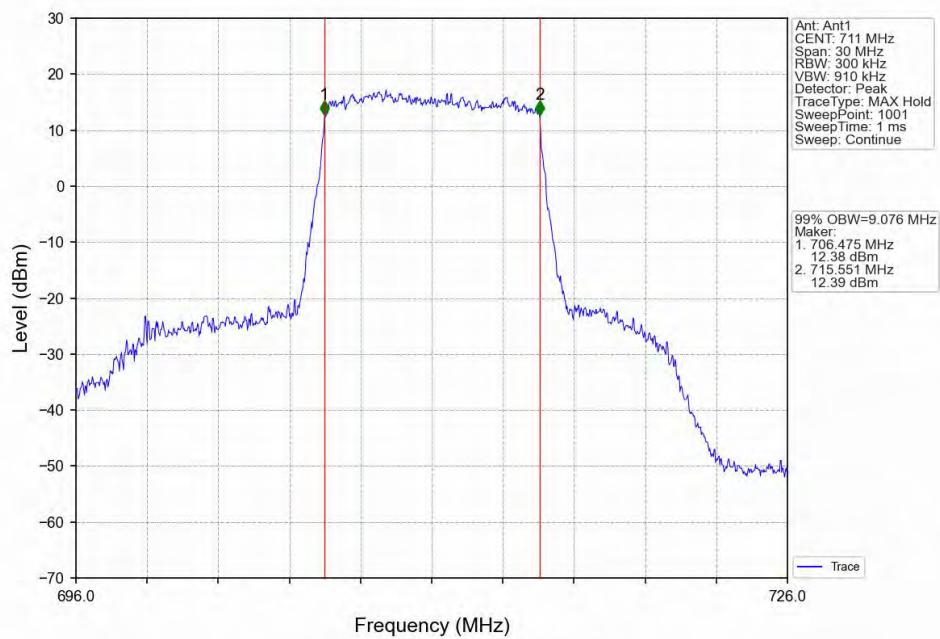
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

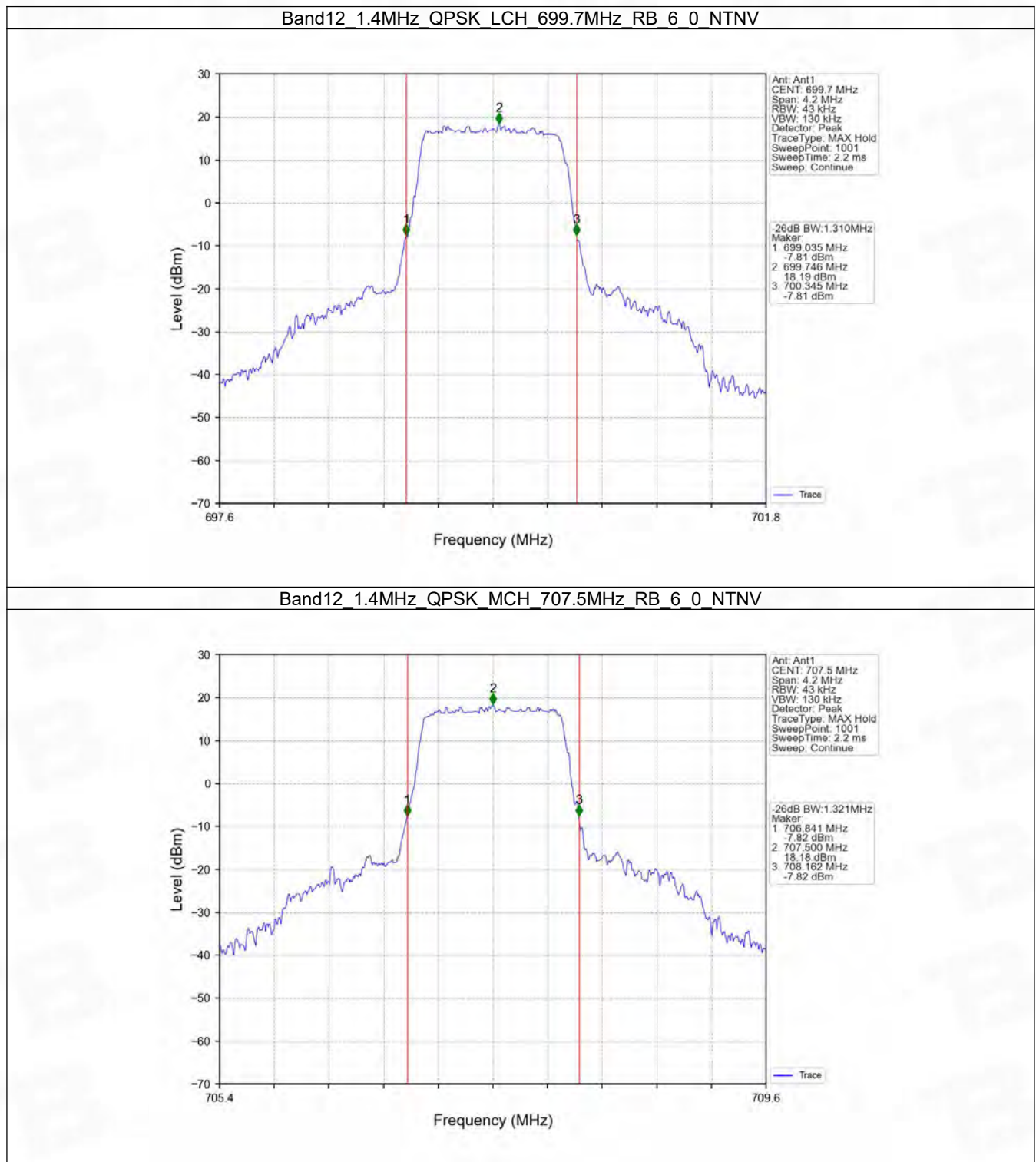


4.2 Band12_XDB

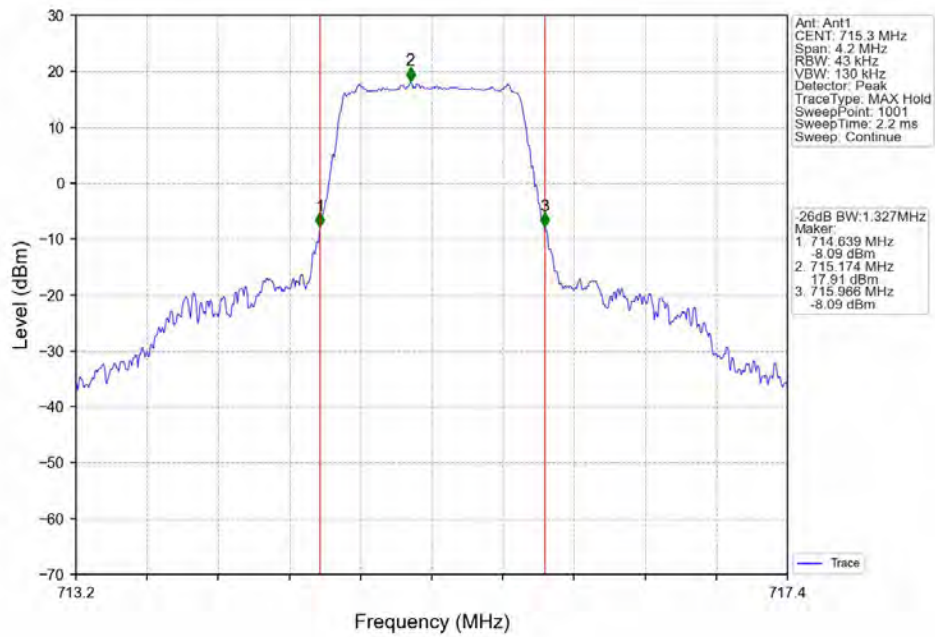
4.2.1 Test Result

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	1.310	/	Pass
		707.5	6	0	1.321	/	Pass
		715.3	6	0	1.327	/	Pass
	16QAM	699.7	6	0	1.315	/	Pass
		707.5	6	0	1.320	/	Pass
		715.3	6	0	1.326	/	Pass
3	QPSK	700.5	15	0	2.990	/	Pass
		707.5	15	0	2.977	/	Pass
		714.5	15	0	3.005	/	Pass
	16QAM	700.5	15	0	3.012	/	Pass
		707.5	15	0	3.003	/	Pass
		714.5	15	0	2.988	/	Pass
5	QPSK	701.5	25	0	5.328	/	Pass
		707.5	25	0	5.217	/	Pass
		713.5	25	0	5.275	/	Pass
	16QAM	701.5	25	0	5.279	/	Pass
		707.5	25	0	5.249	/	Pass
		713.5	25	0	5.254	/	Pass
10	QPSK	704	50	0	10.392	/	Pass
		707.5	50	0	10.115	/	Pass
		711	50	0	10.247	/	Pass
	16QAM	704	50	0	10.264	/	Pass
		707.5	50	0	10.246	/	Pass
		711	50	0	10.207	/	Pass

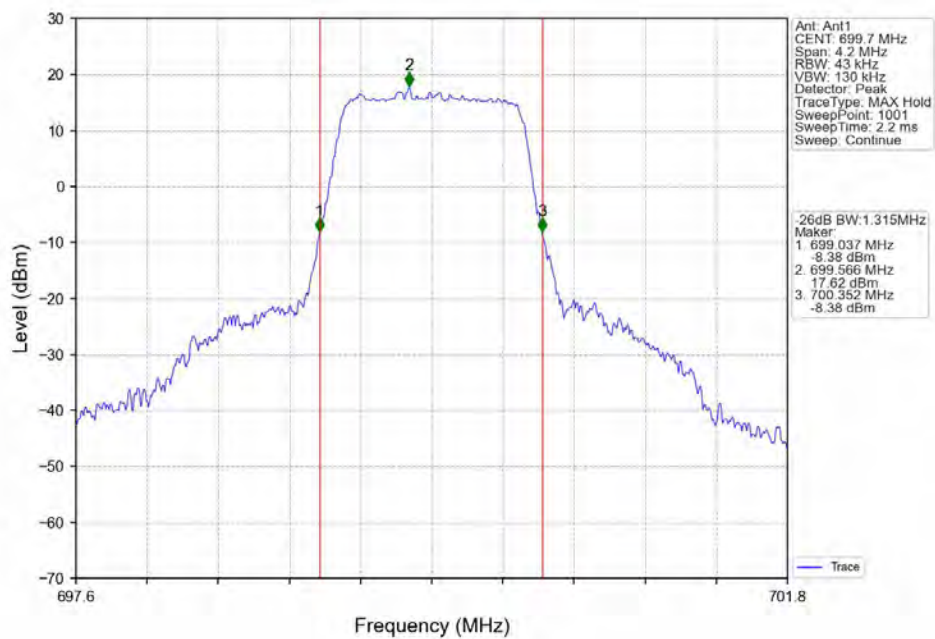
4.2.2 Test Graph



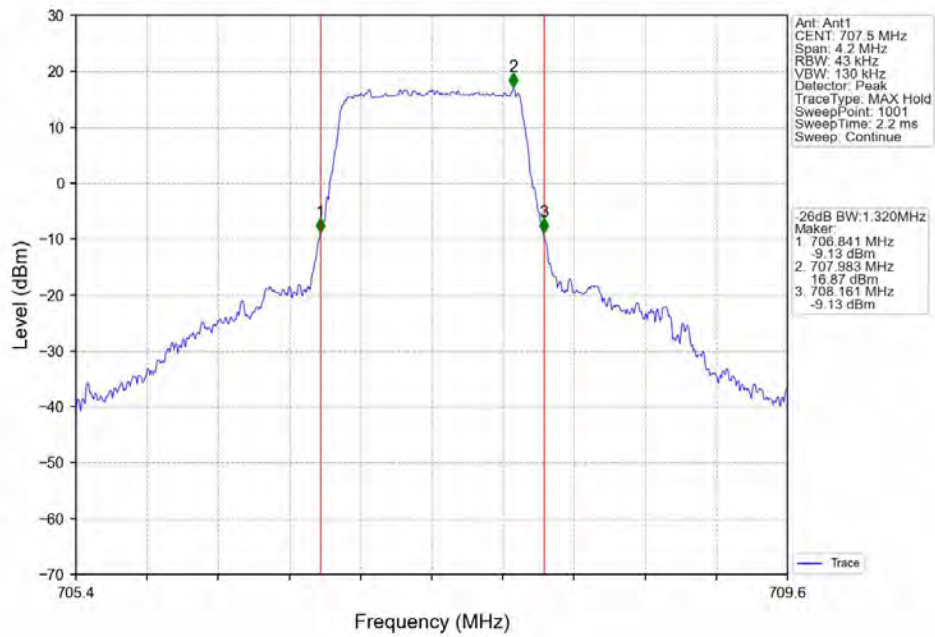
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



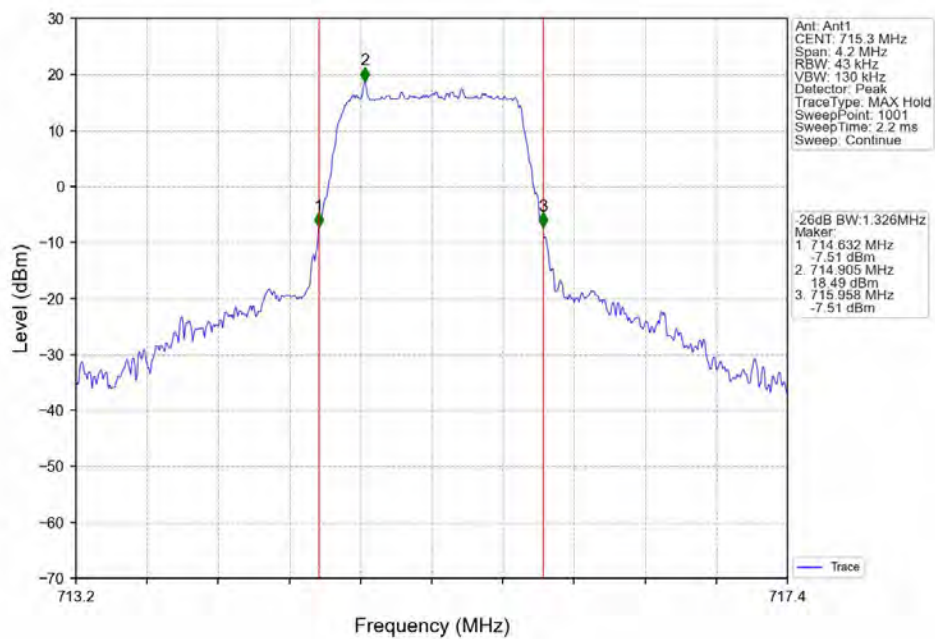
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



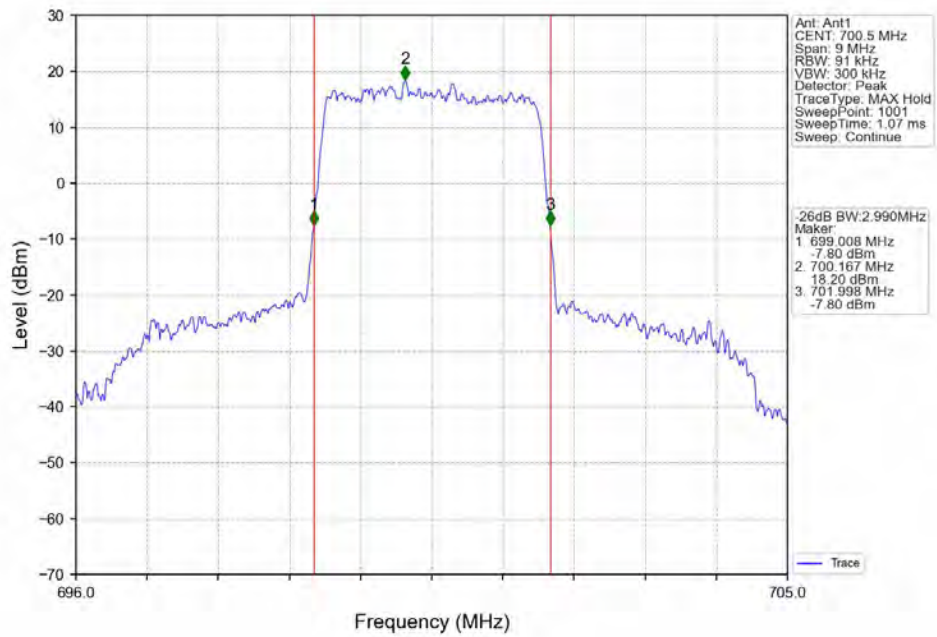
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



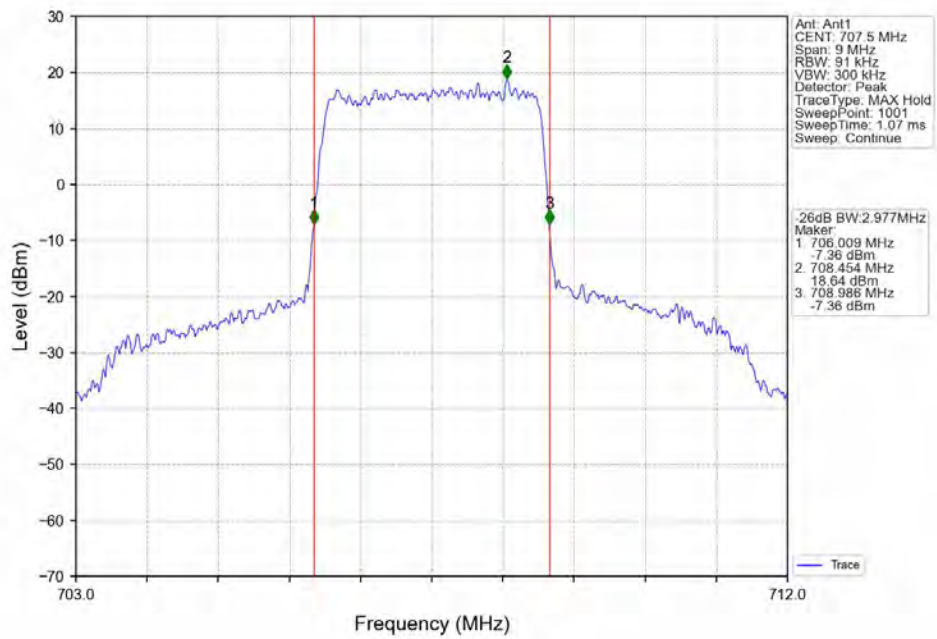
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



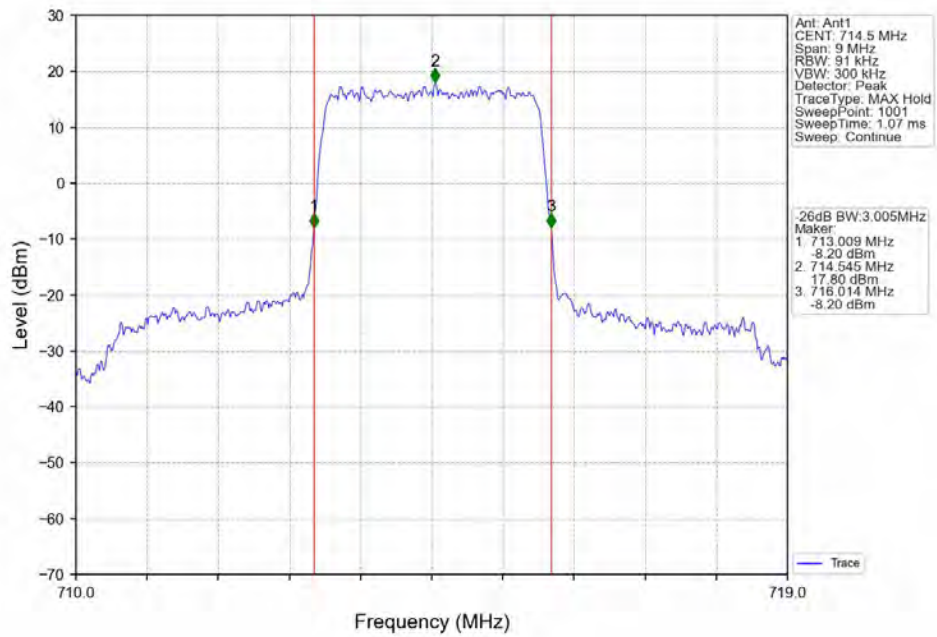
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



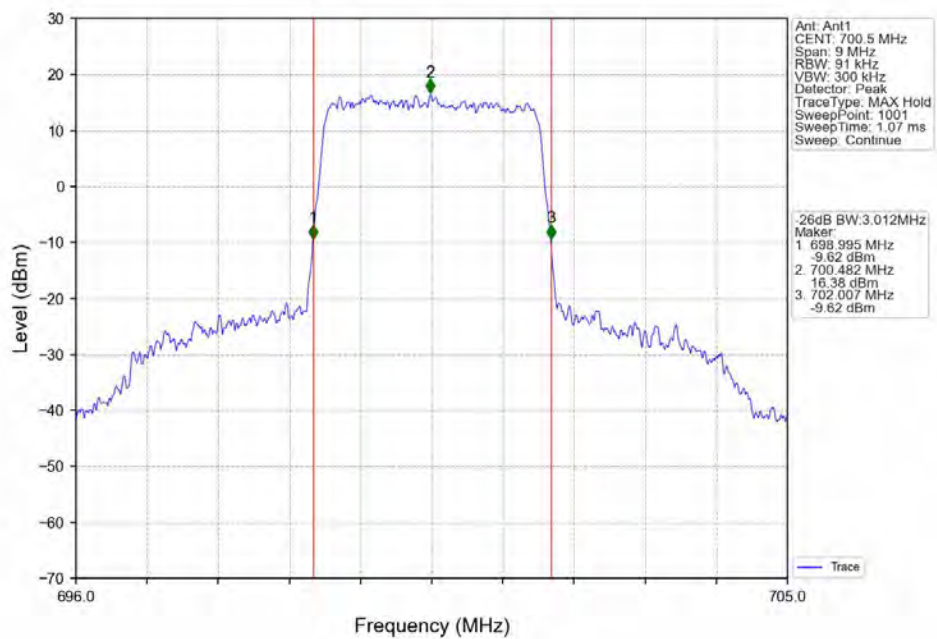
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



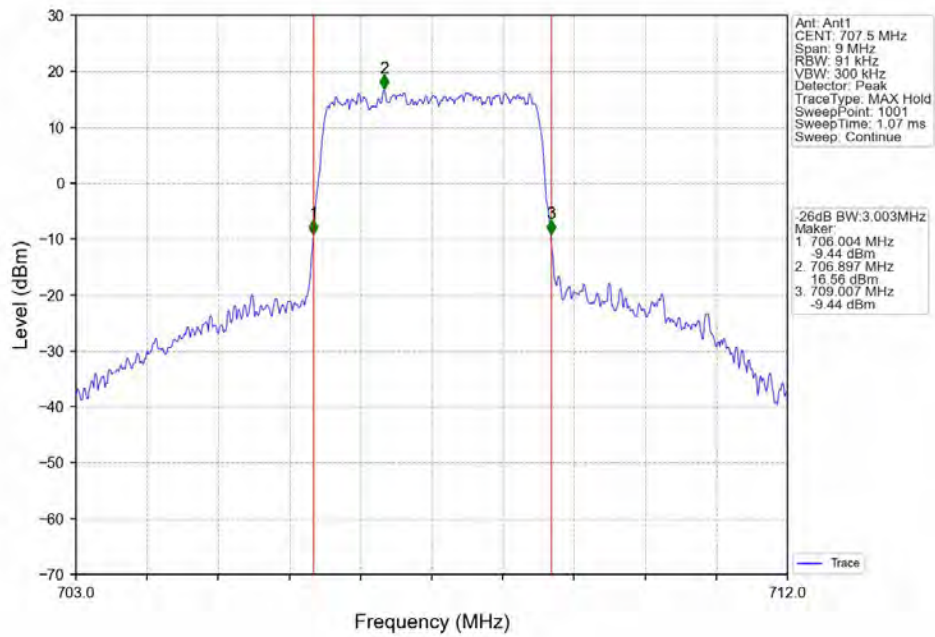
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



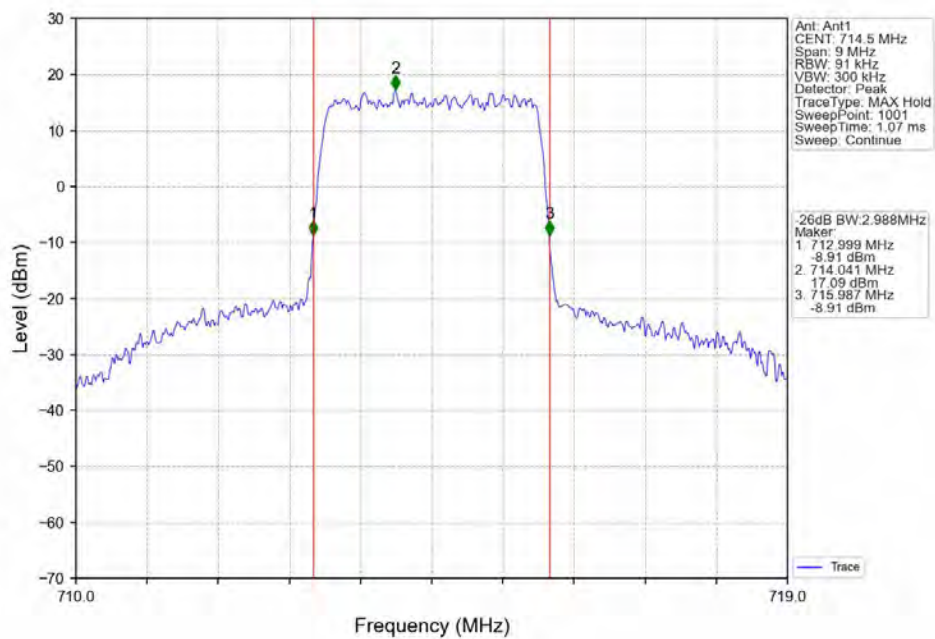
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



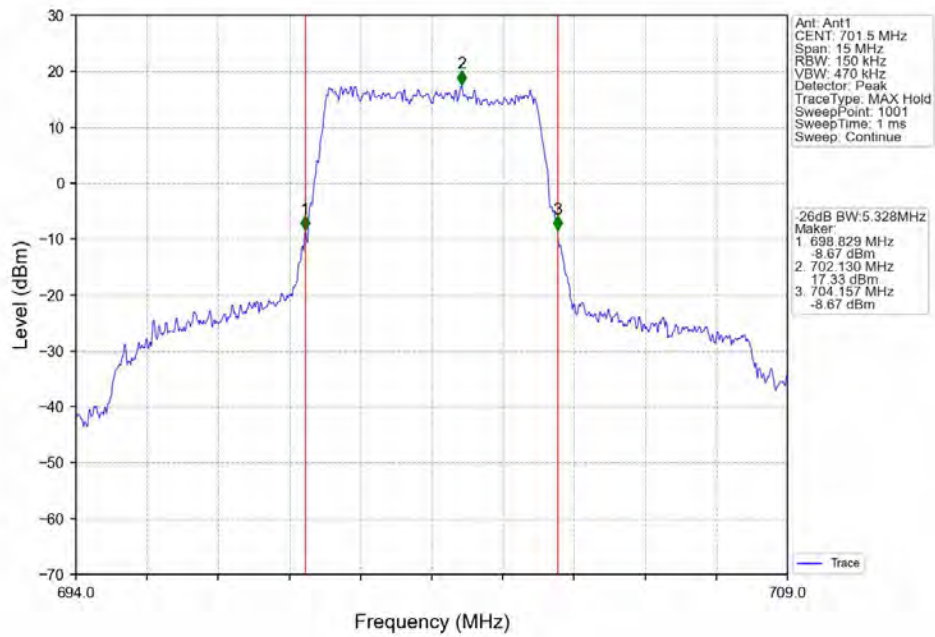
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



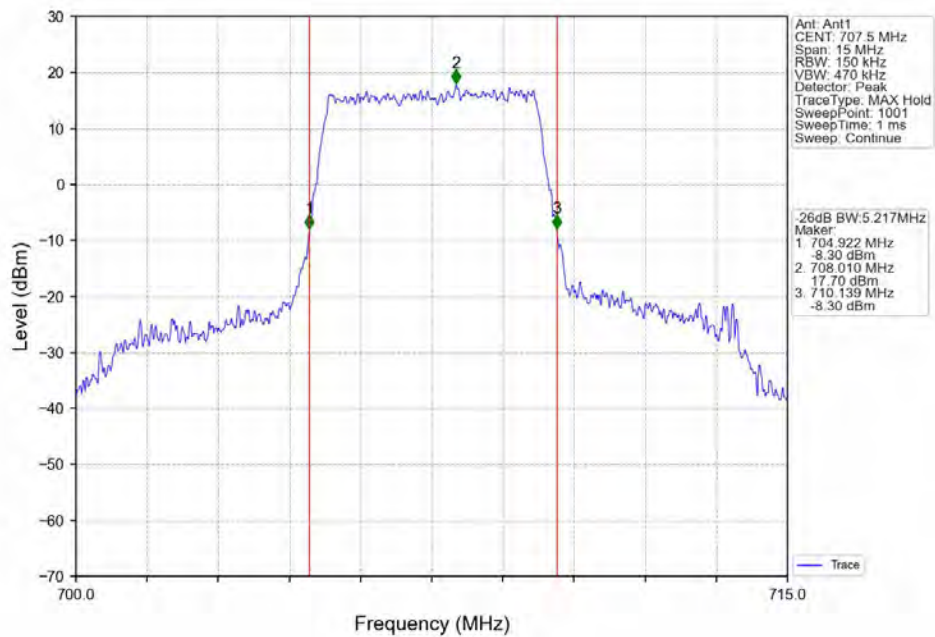
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



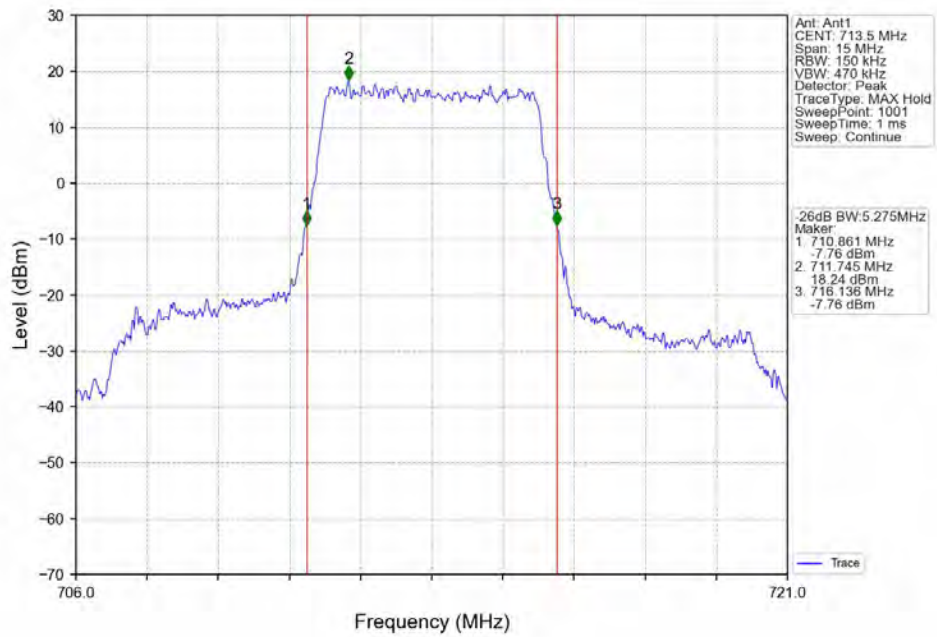
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



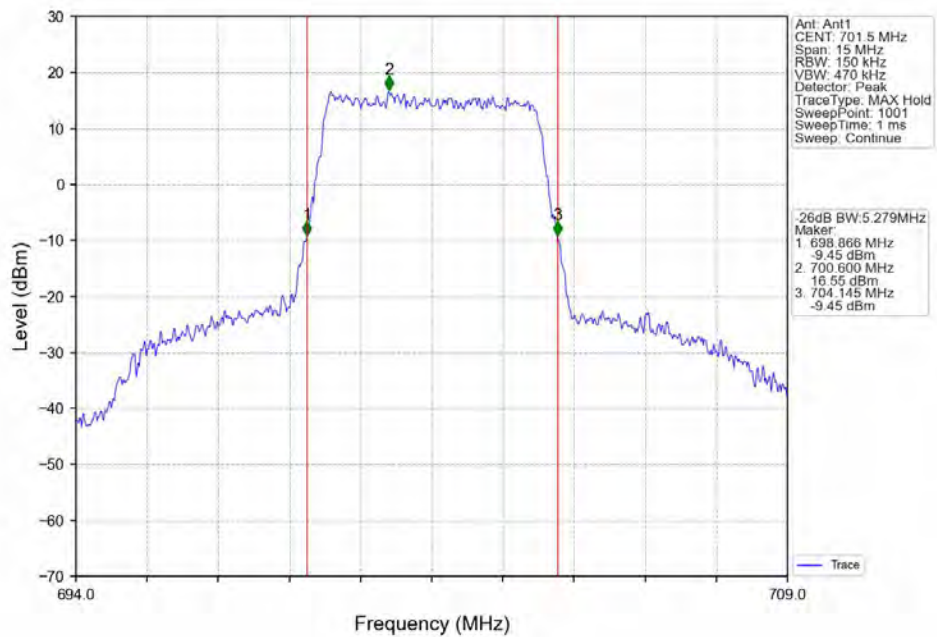
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



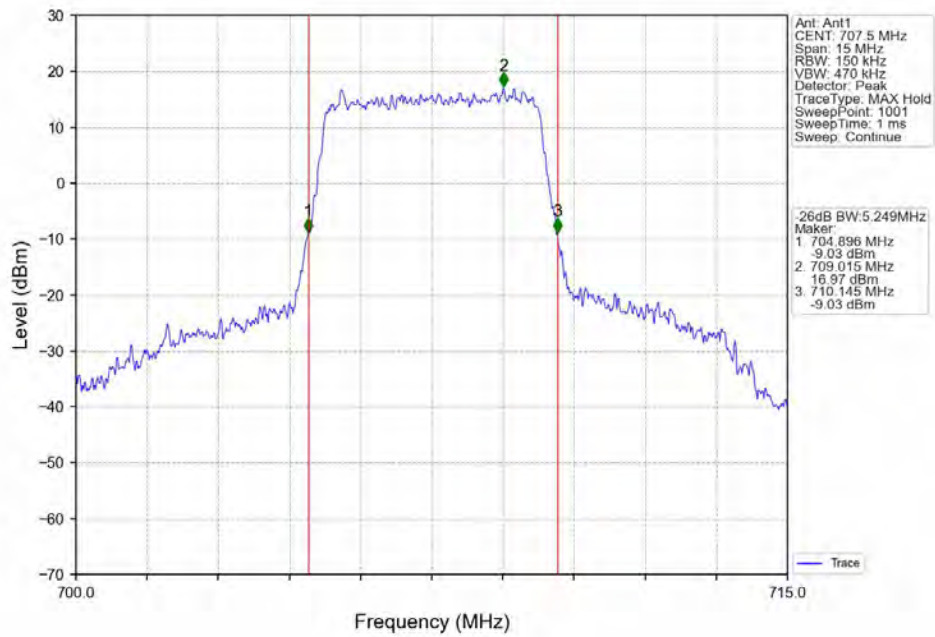
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



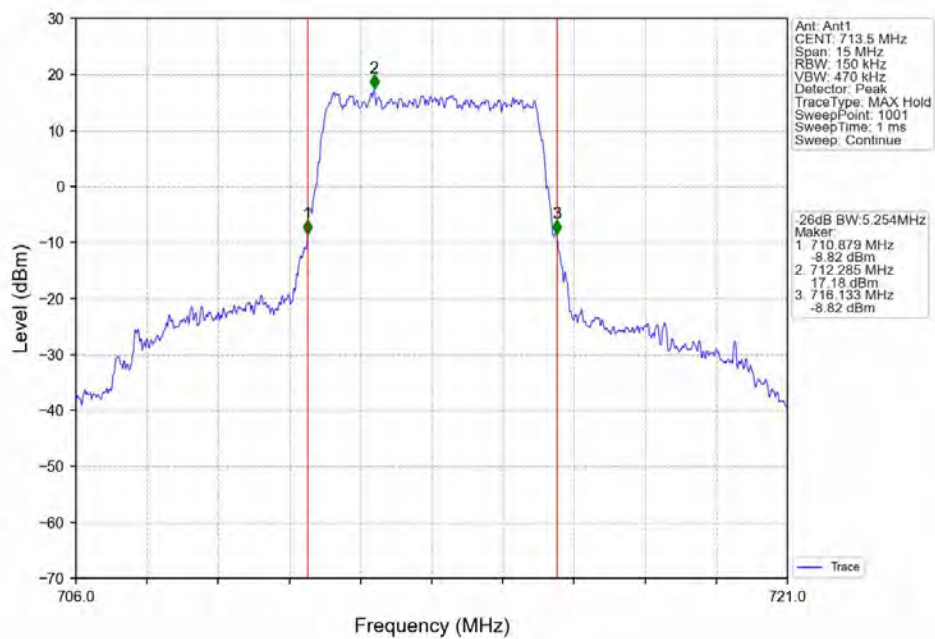
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



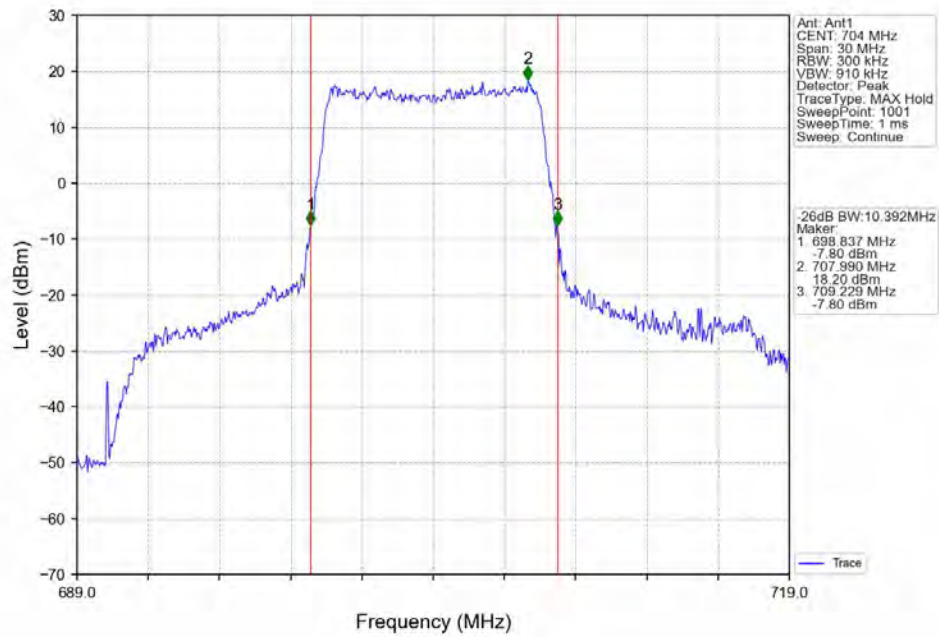
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



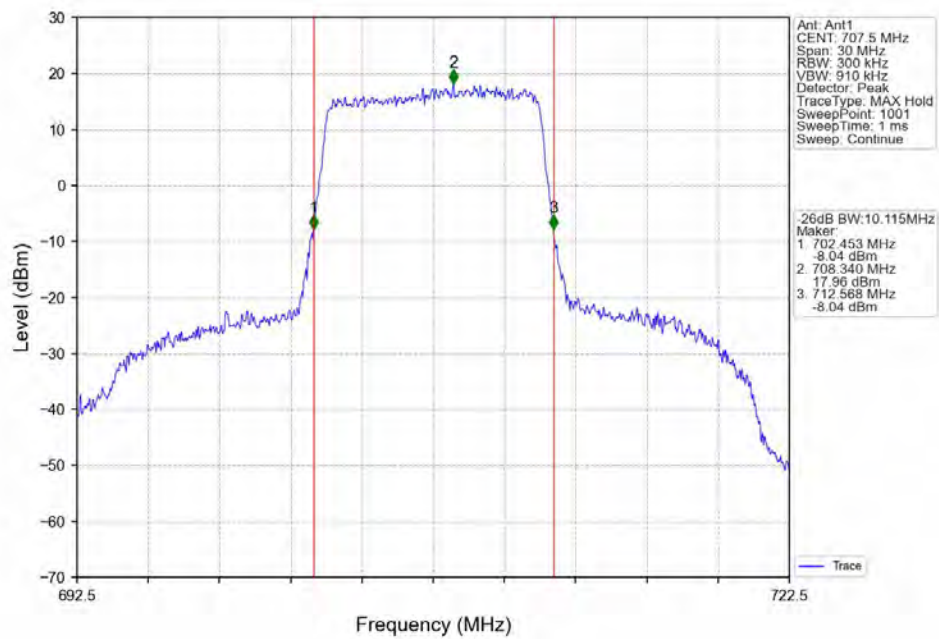
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



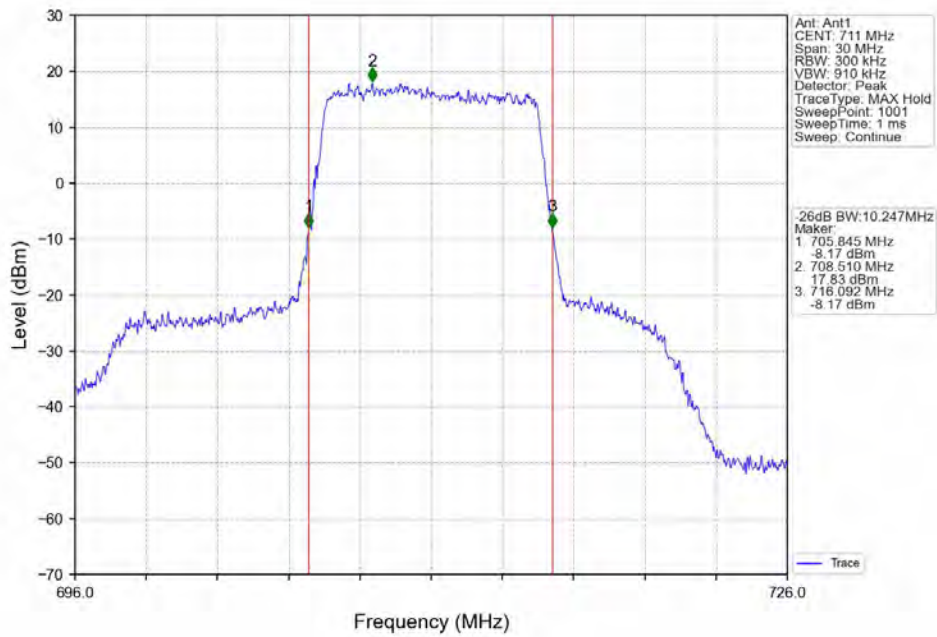
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



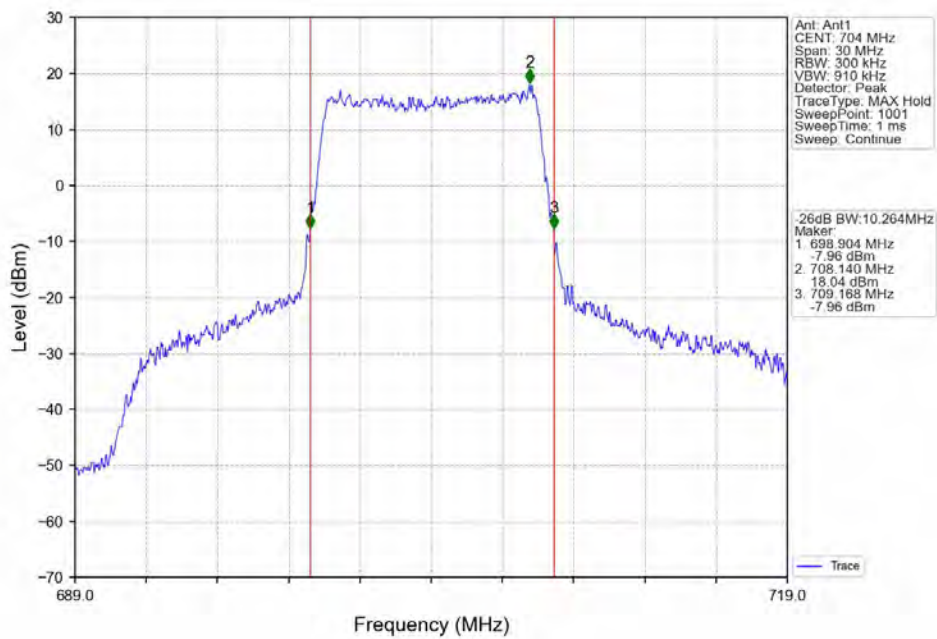
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



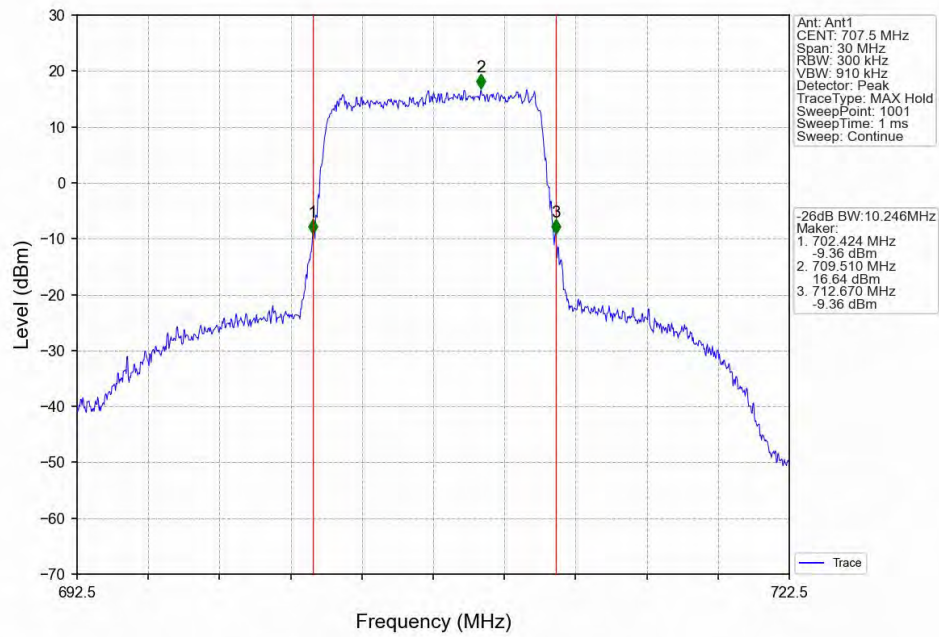
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



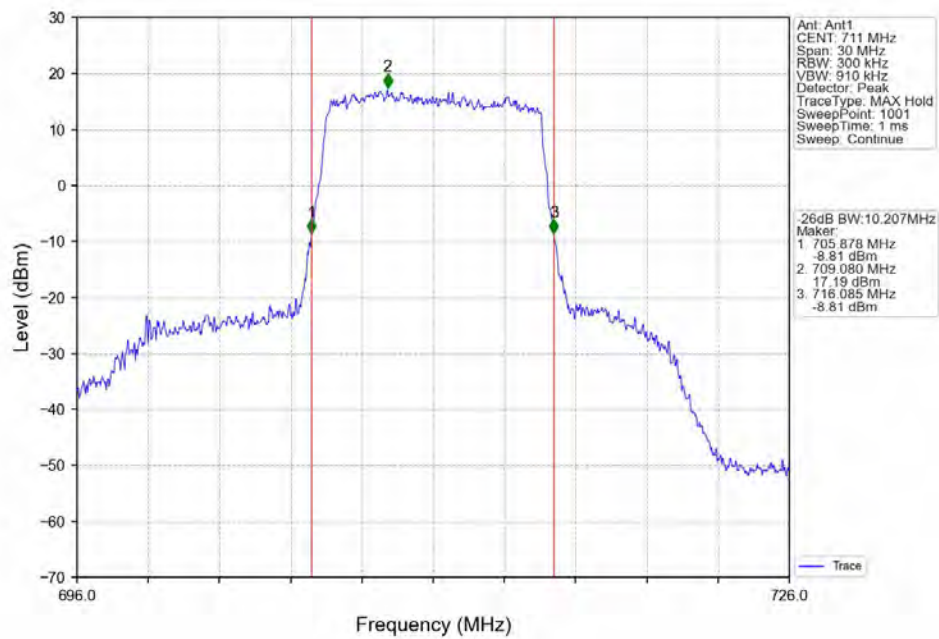
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



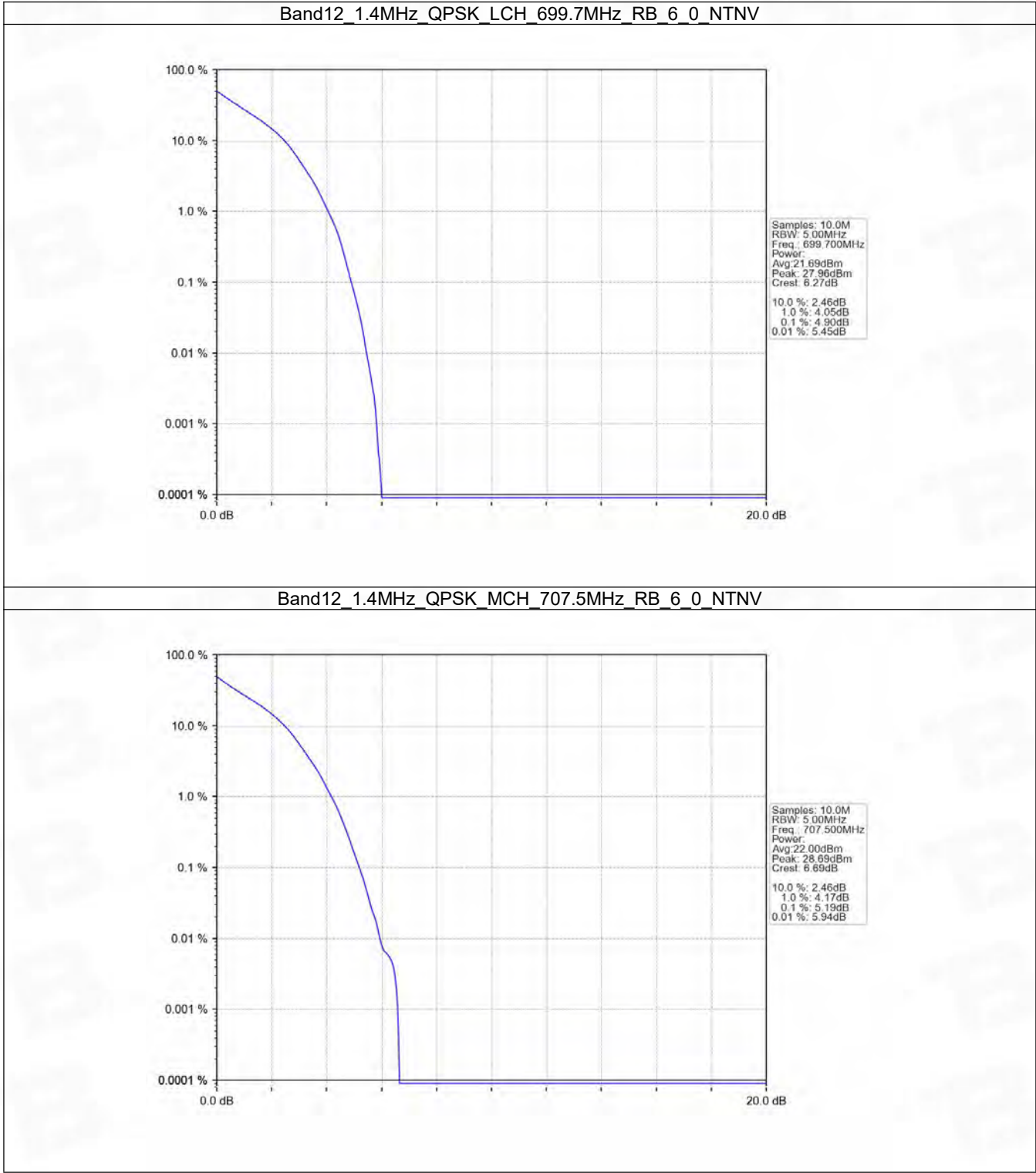
5. Peak-Average Ratio

5.1 B12_1.4MHz

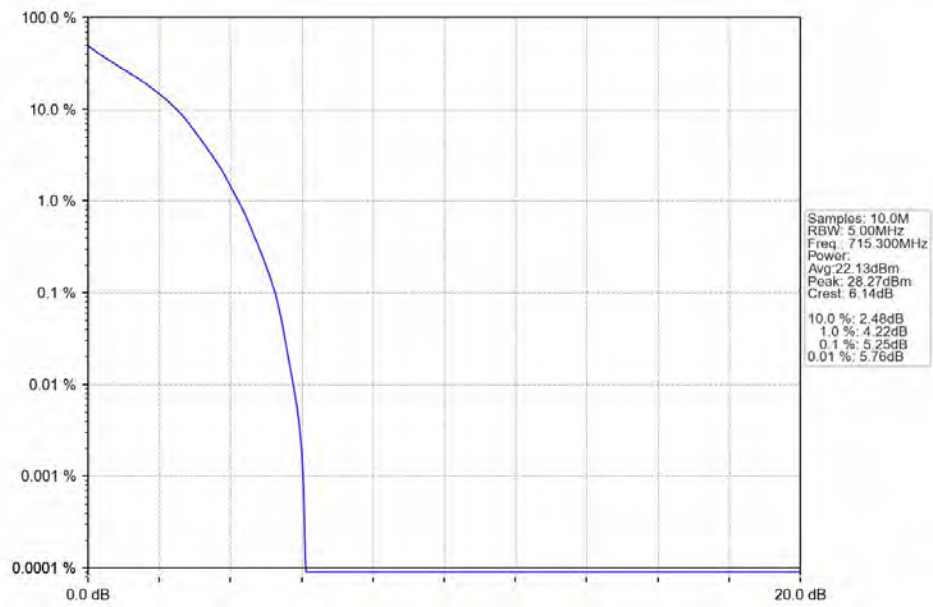
5.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.90	<=13	Pass
	707.5	6	0	5.19	<=13	Pass
	715.3	6	0	5.25	<=13	Pass
16QAM	699.7	6	0	5.74	<=13	Pass
	707.5	6	0	5.90	<=13	Pass
	715.3	6	0	5.98	<=13	Pass

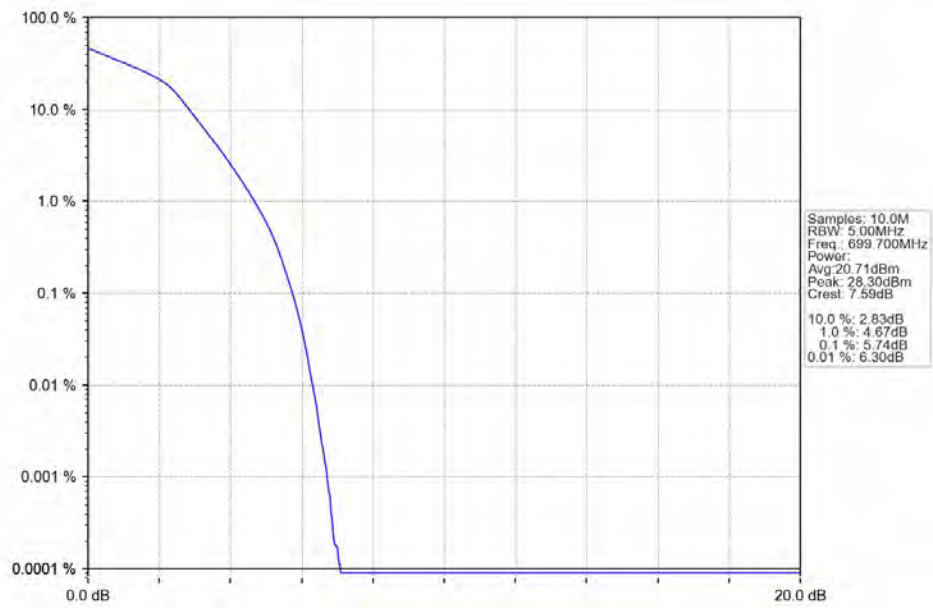
5.1.2 Test Graph



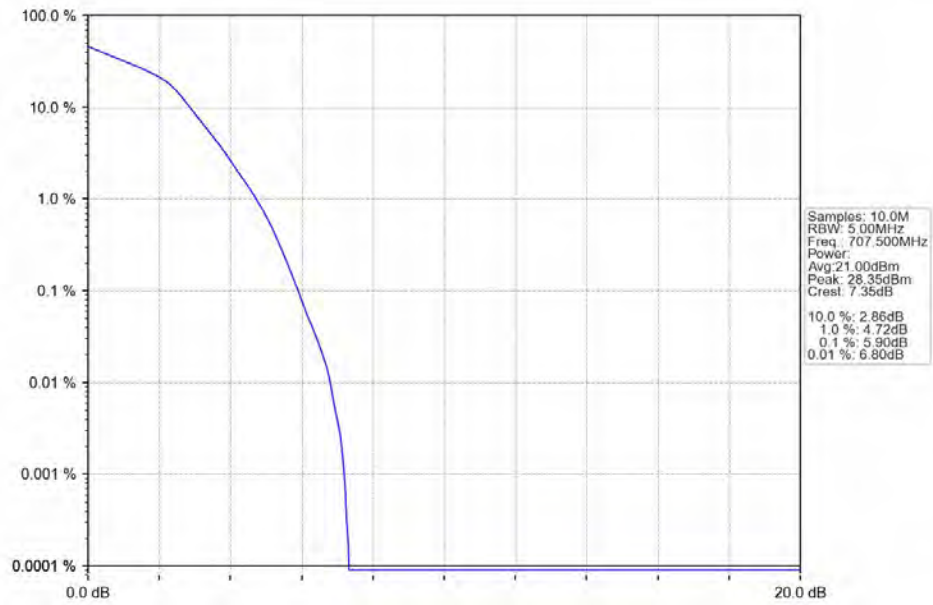
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



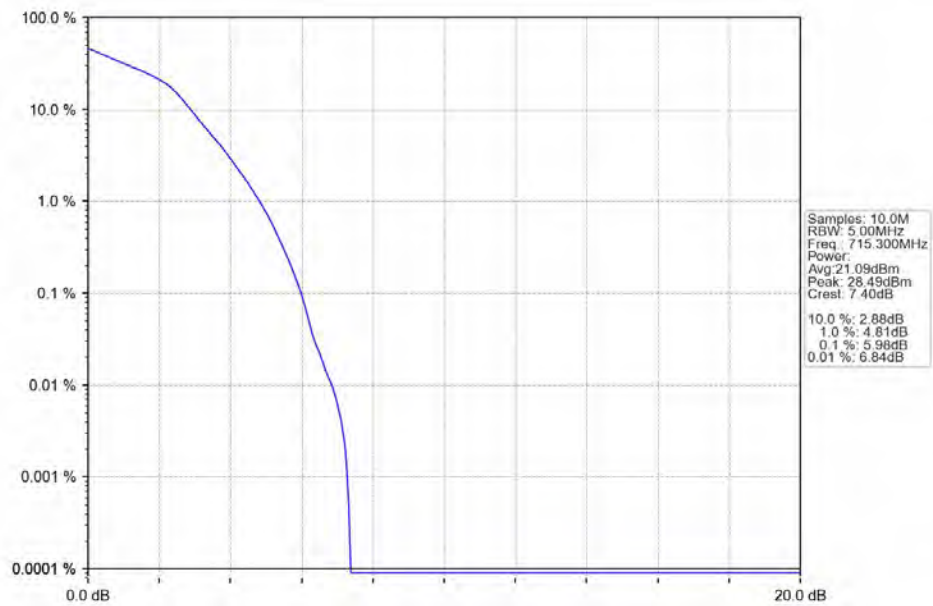
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

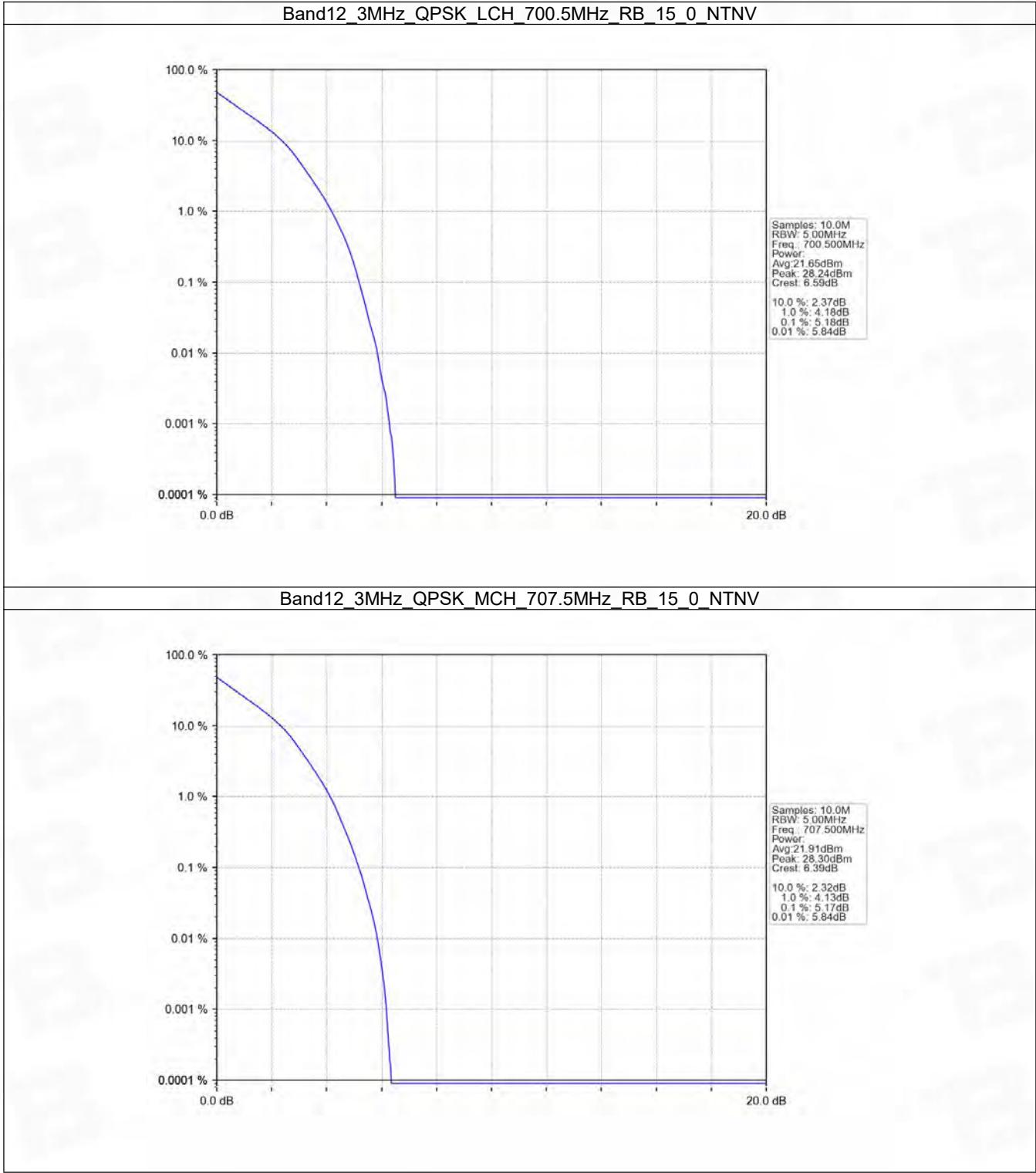


5.2 B12_3MHz

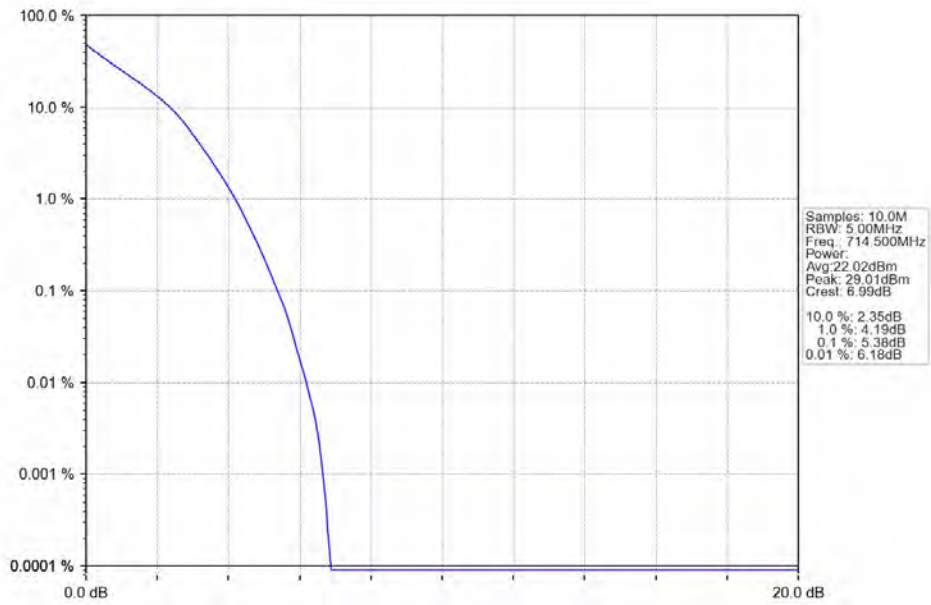
5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.18	<=13	Pass
	707.5	15	0	5.17	<=13	Pass
	714.5	15	0	5.38	<=13	Pass
16QAM	700.5	15	0	5.95	<=13	Pass
	707.5	15	0	5.98	<=13	Pass
	714.5	15	0	6.13	<=13	Pass

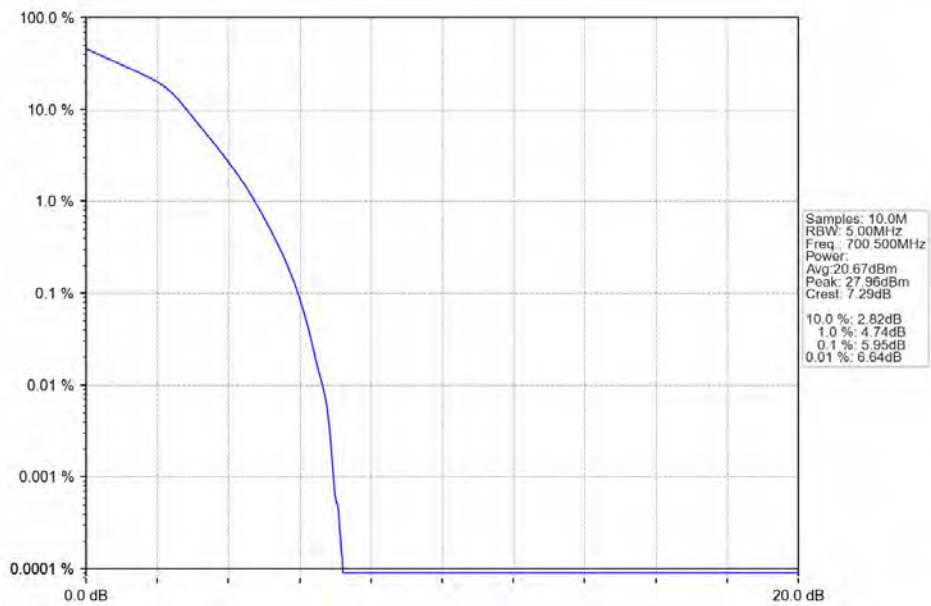
5.2.2 Test Graph



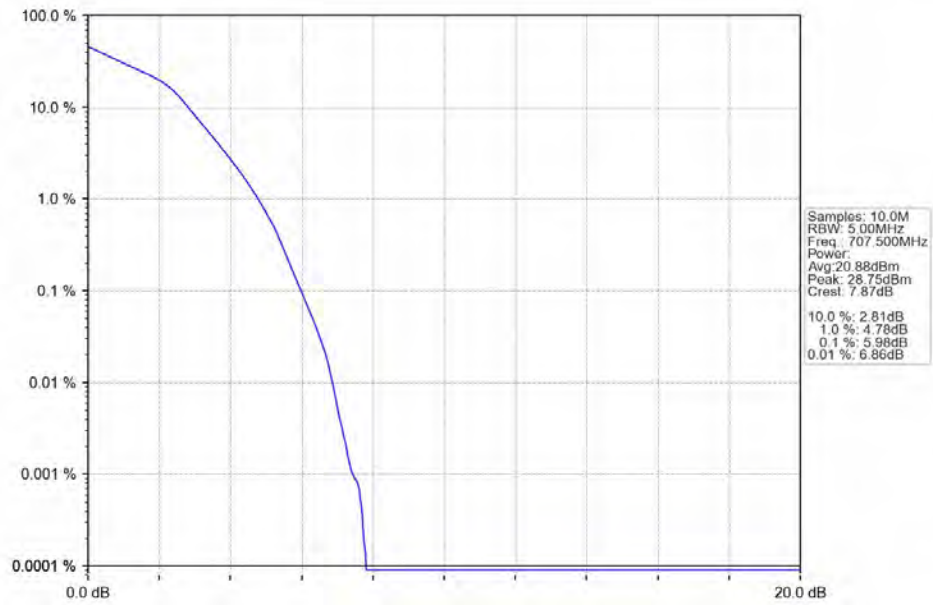
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



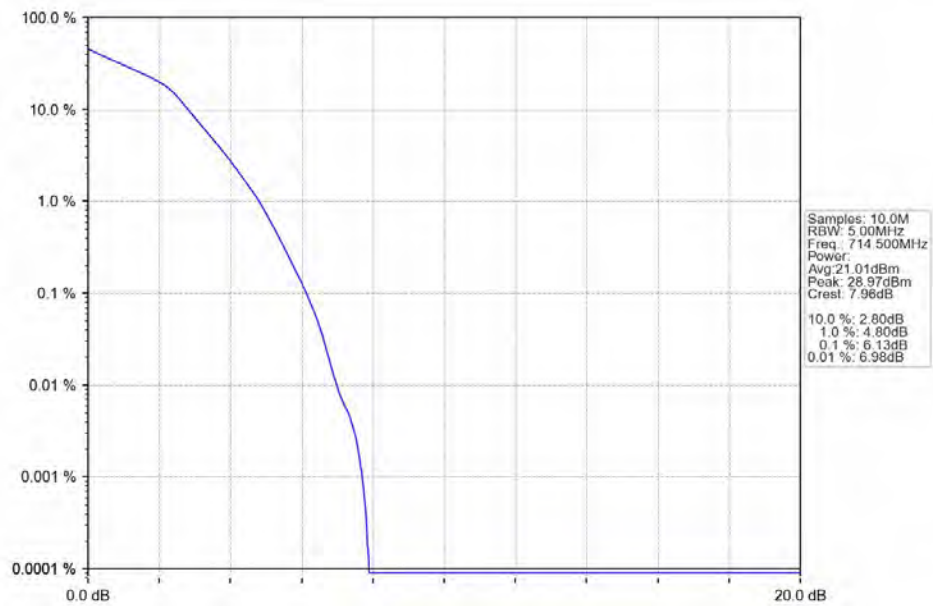
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

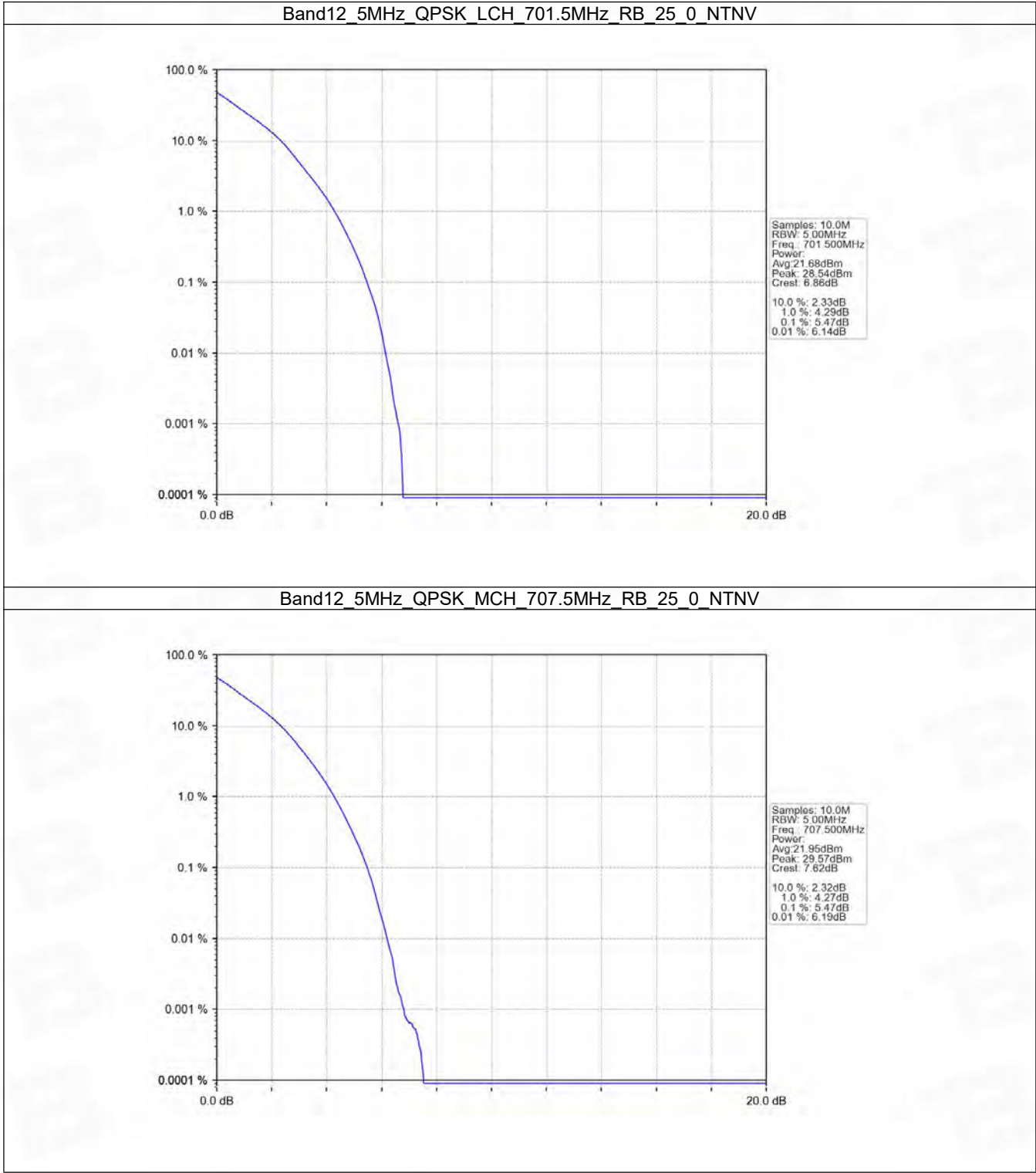


5.3 B12_5MHz

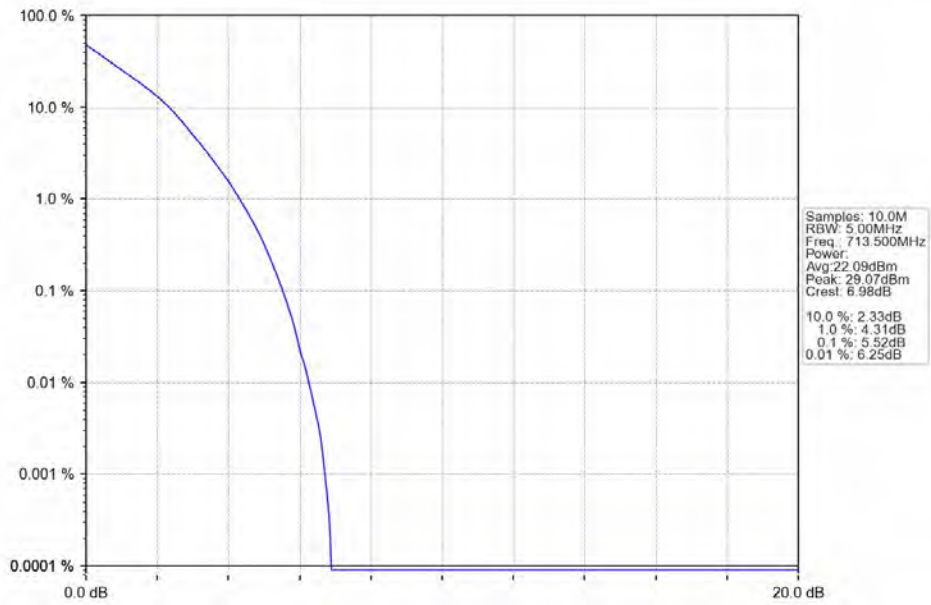
5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.47	<=13	Pass
	707.5	25	0	5.47	<=13	Pass
	713.5	25	0	5.52	<=13	Pass
16QAM	701.5	25	0	6.15	<=13	Pass
	707.5	25	0	6.08	<=13	Pass
	713.5	25	0	6.13	<=13	Pass

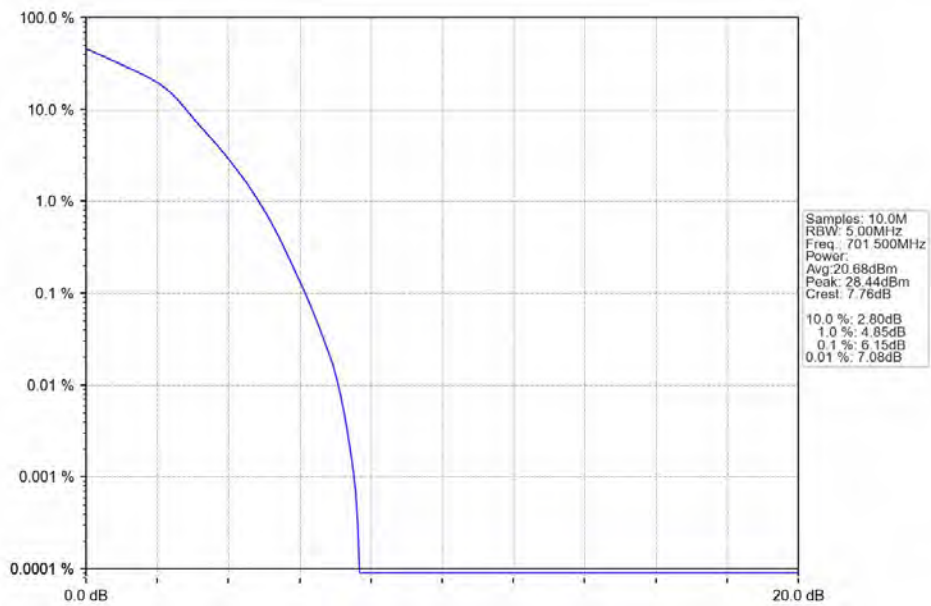
5.3.2 Test Graph



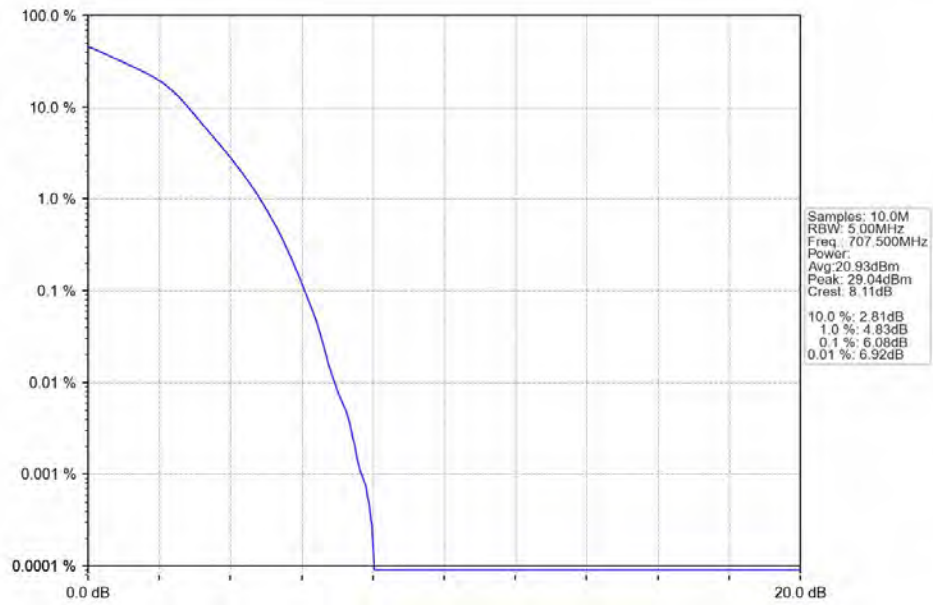
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



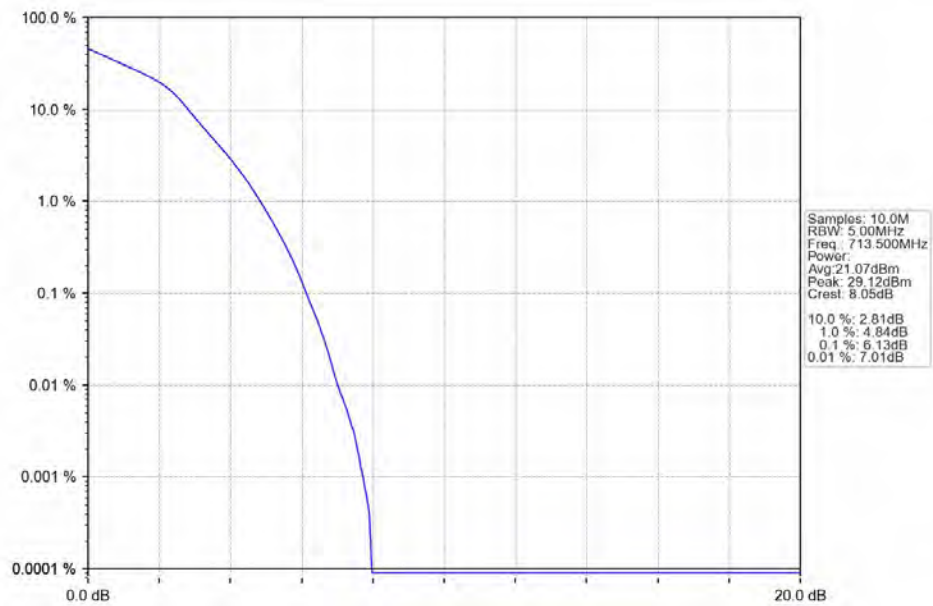
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

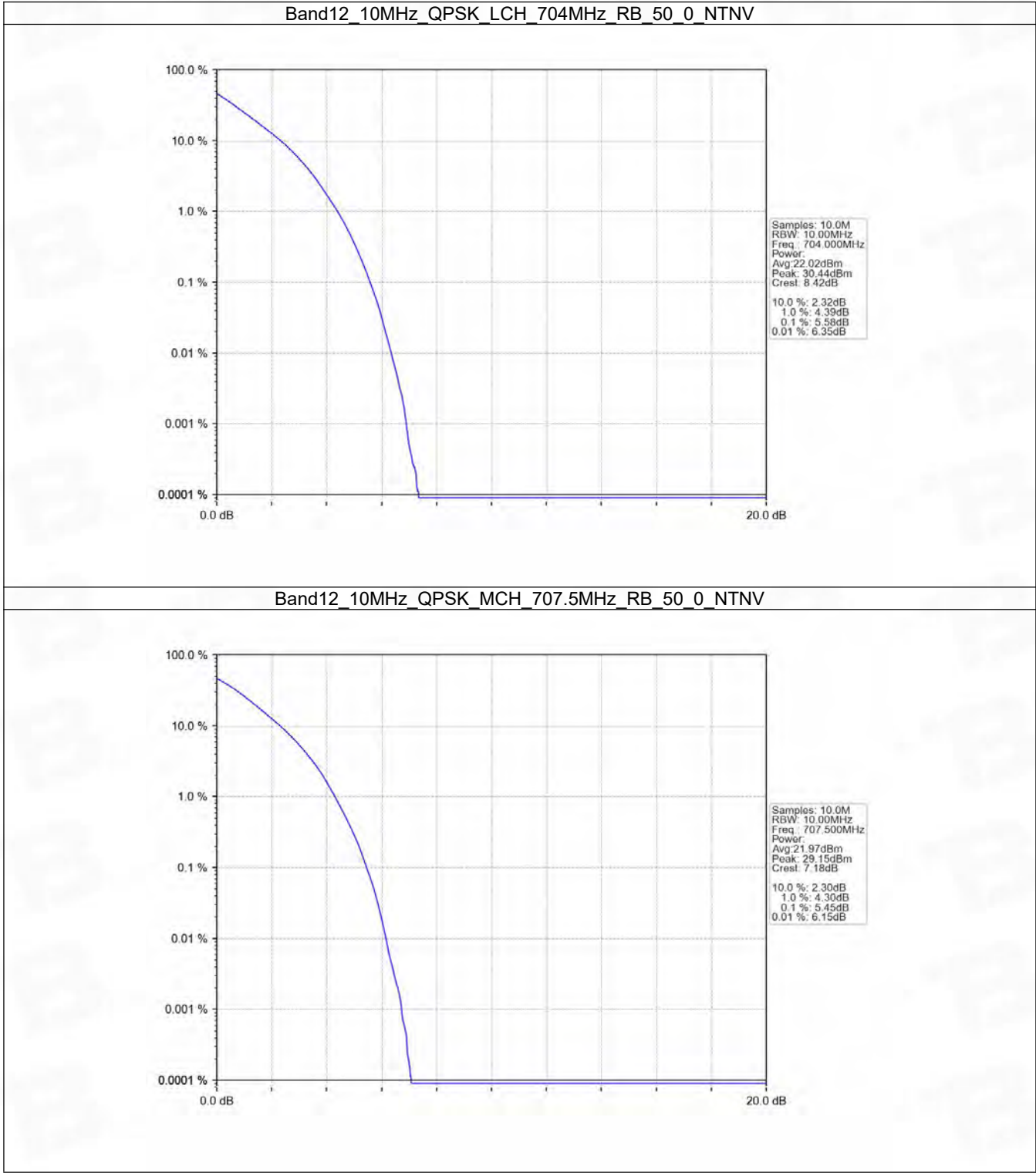


5.4 B12_10MHz

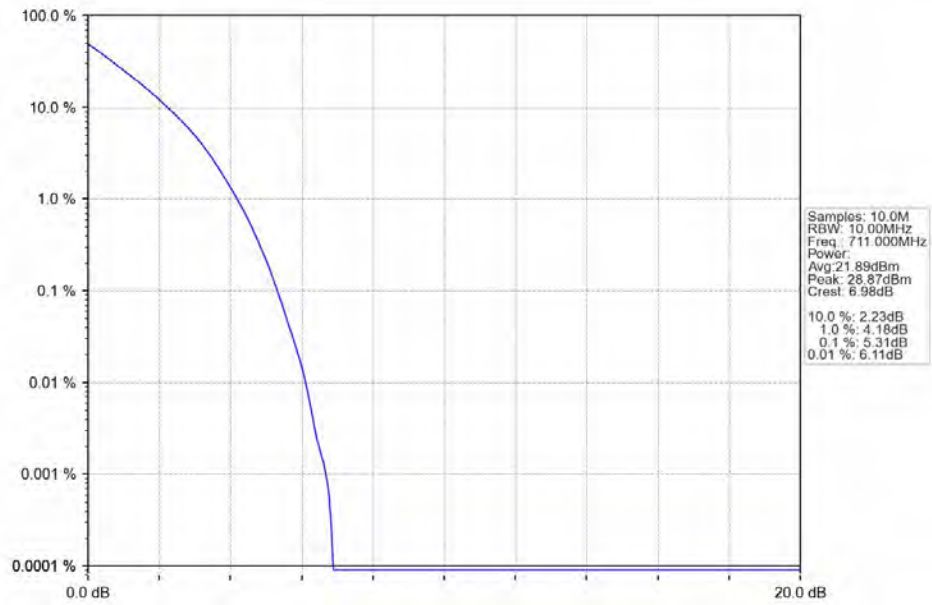
5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.58	<=13	Pass
	707.5	50	0	5.45	<=13	Pass
	711	50	0	5.31	<=13	Pass
16QAM	704	50	0	6.27	<=13	Pass
	707.5	50	0	6.16	<=13	Pass
	711	50	0	6.03	<=13	Pass

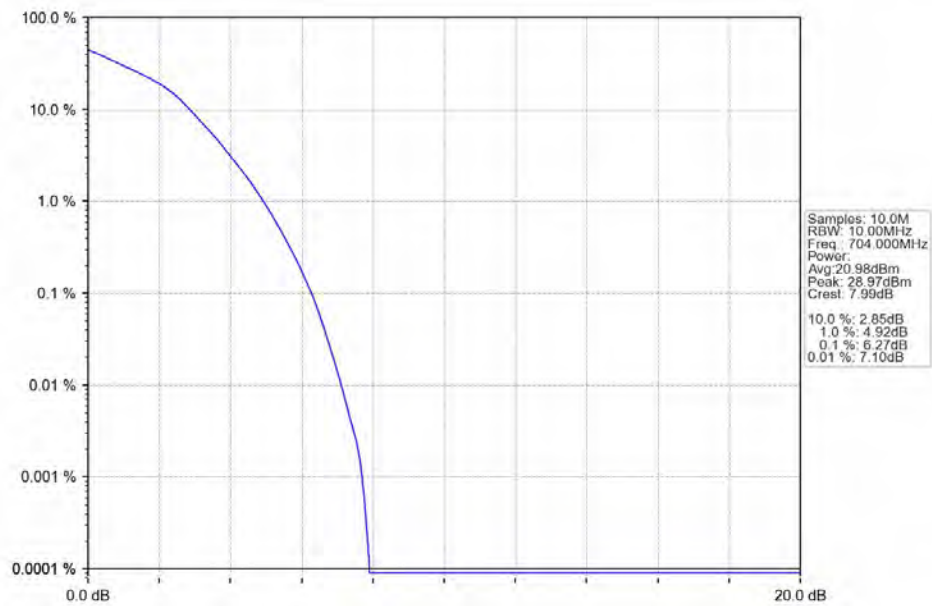
5.4.2 Test Graph



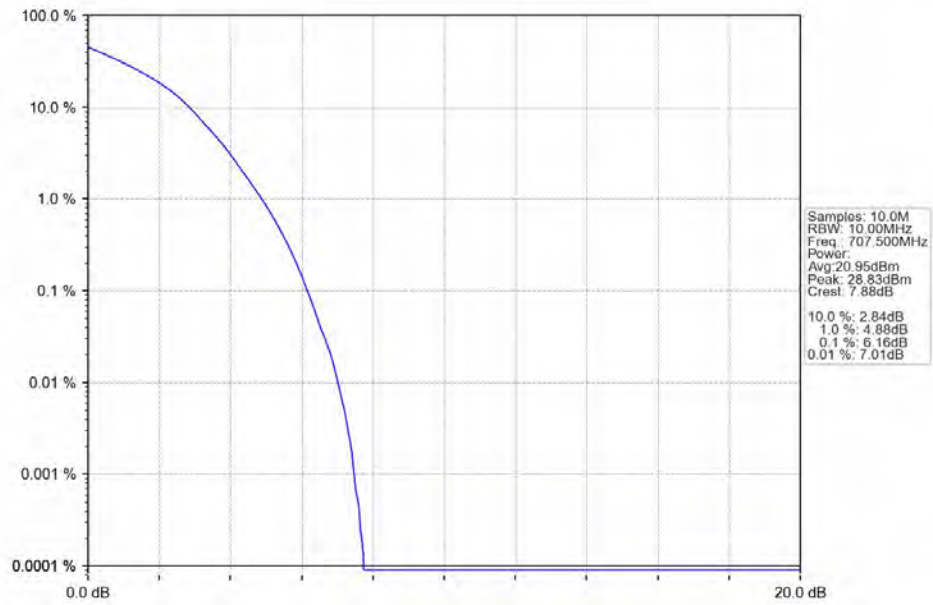
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



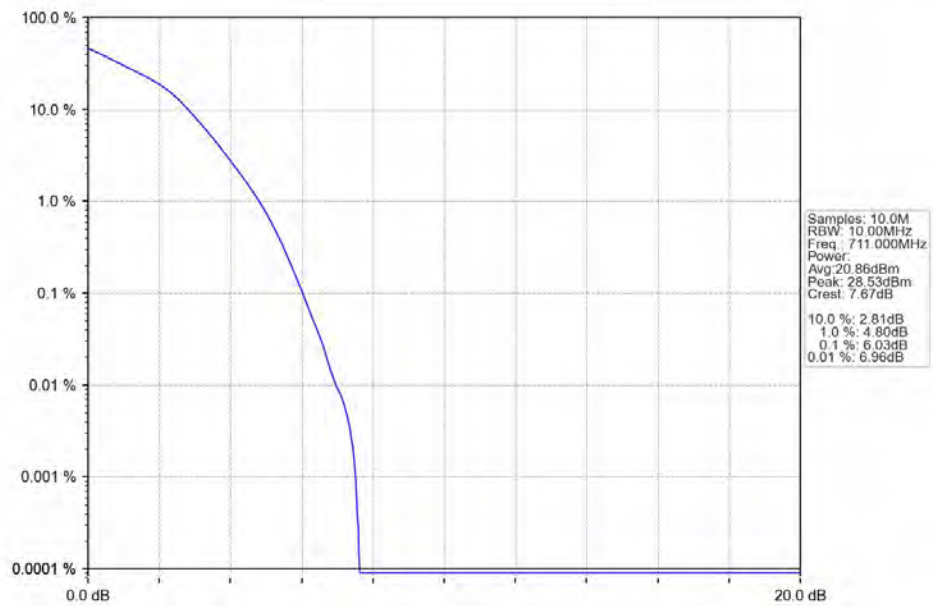
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



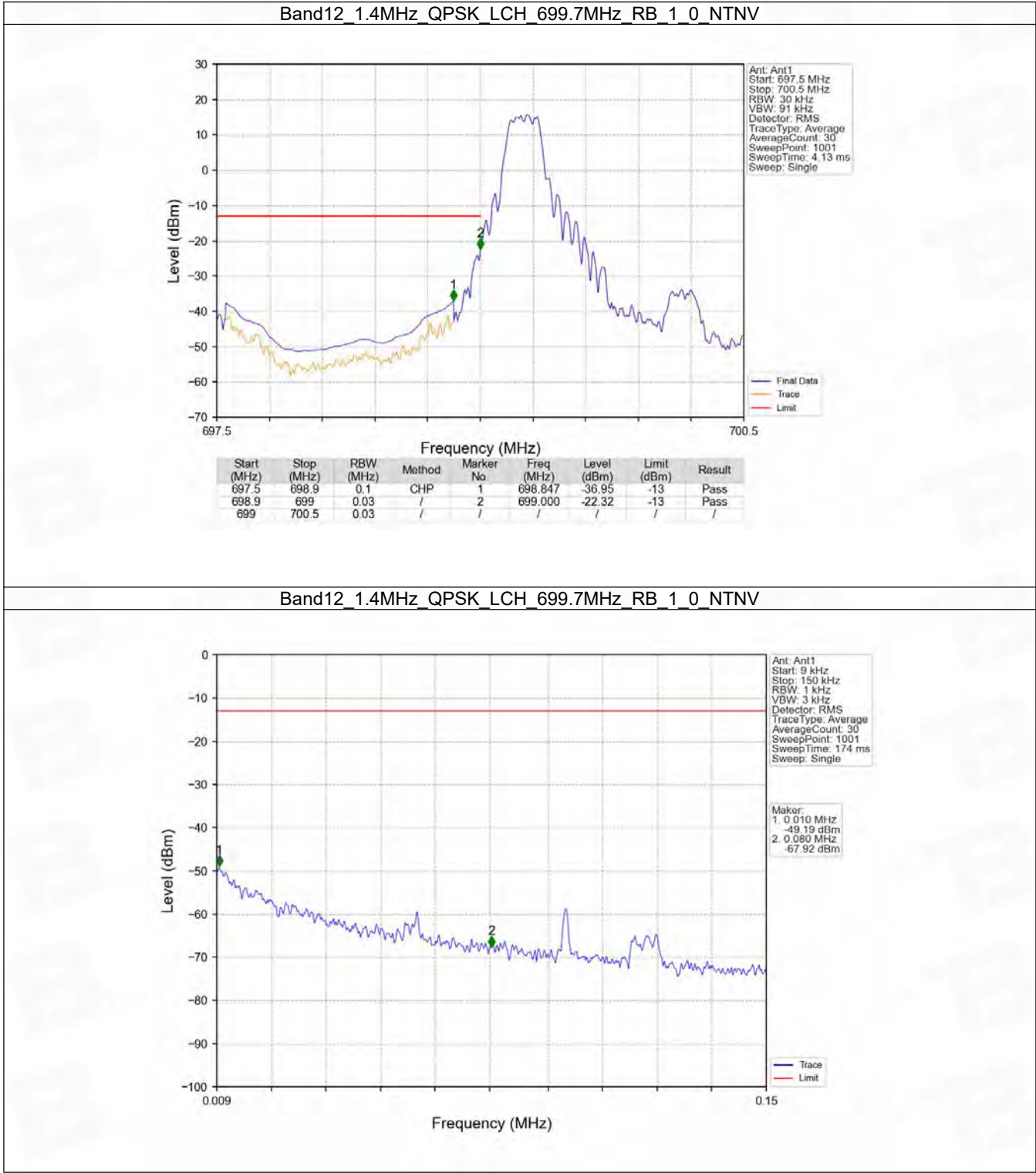
6. Spurious Emission

6.1 B12_1.4MHz

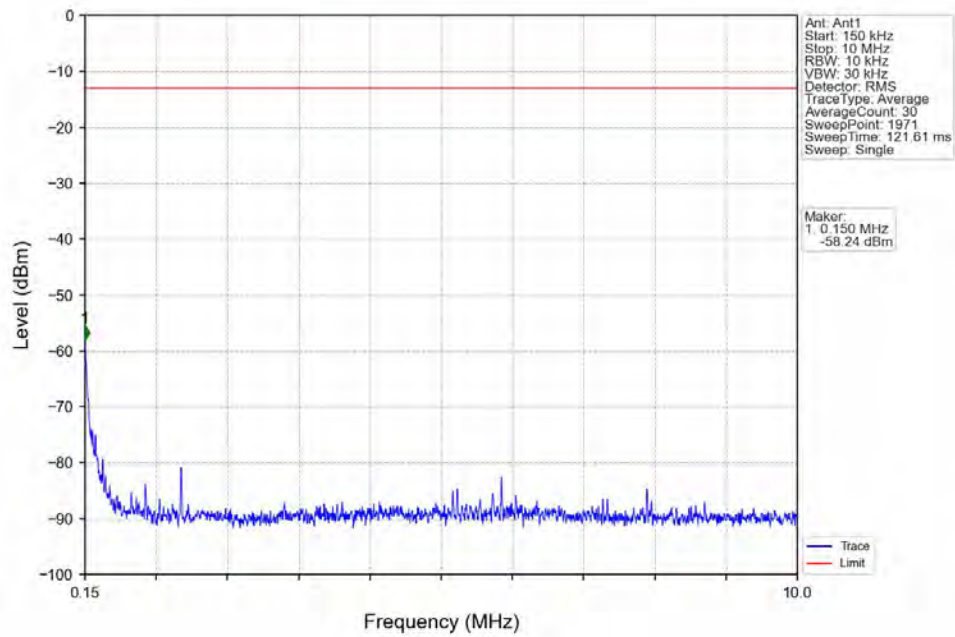
6.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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

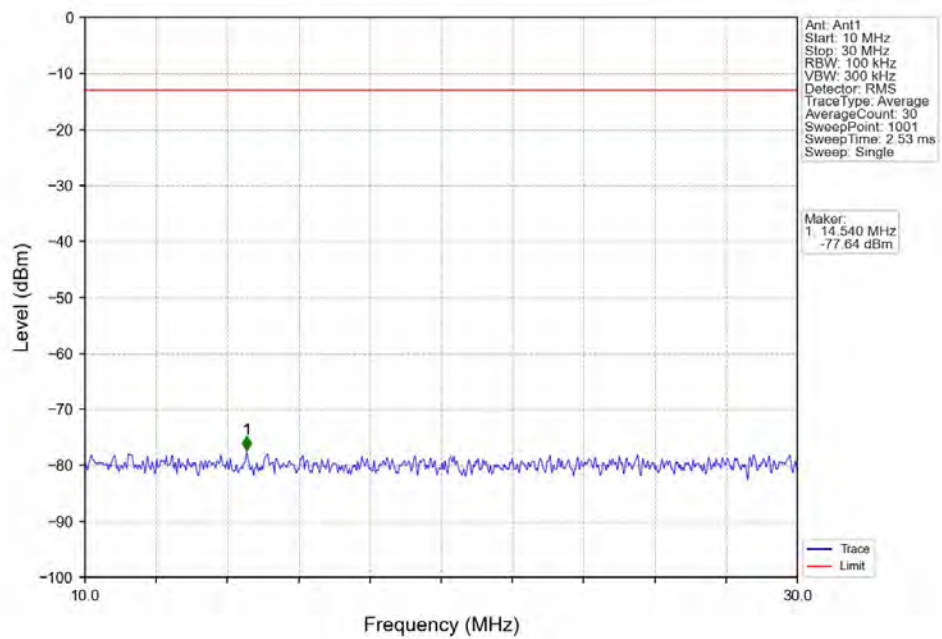
6.1.2 Test Graph



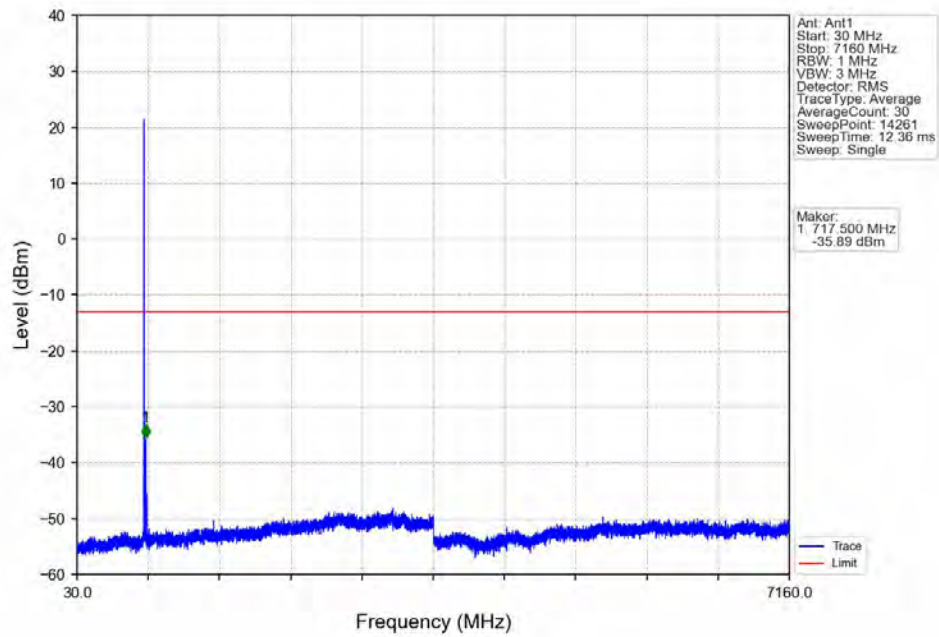
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



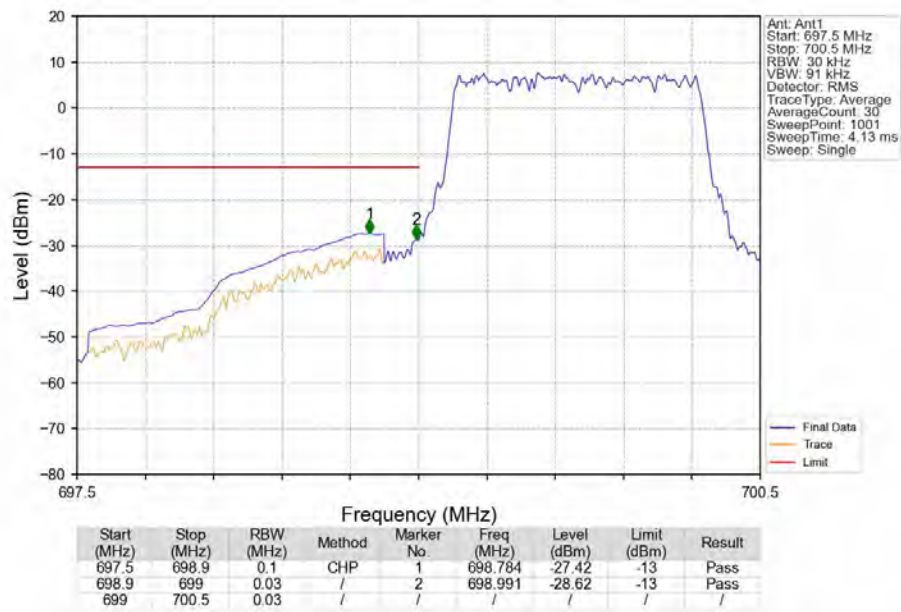
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



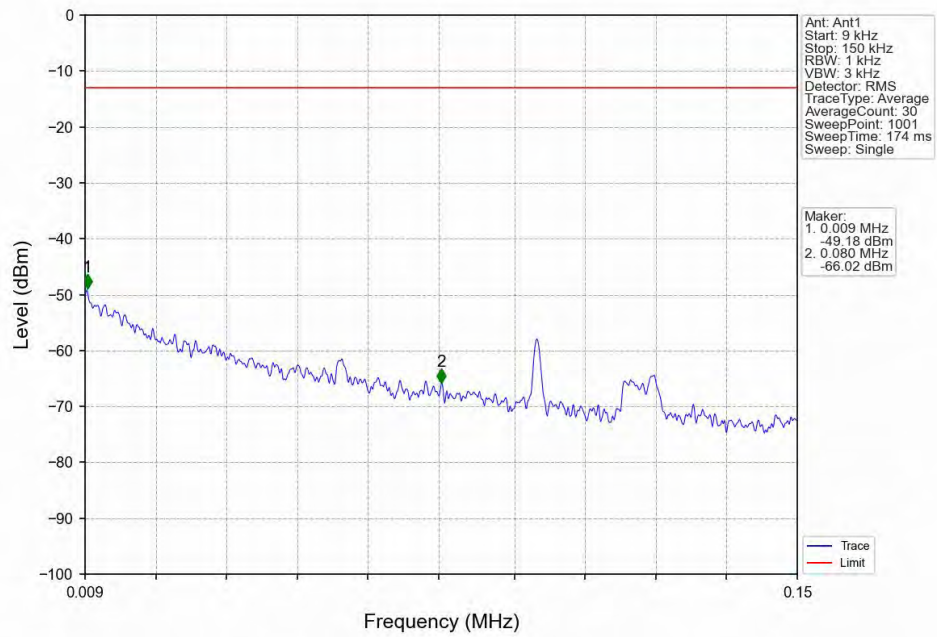
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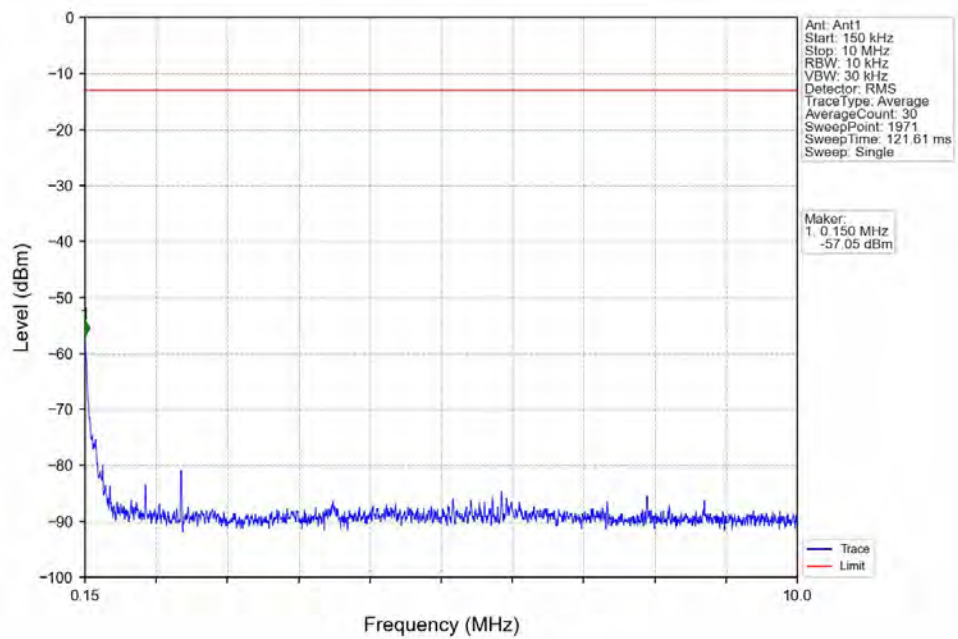
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



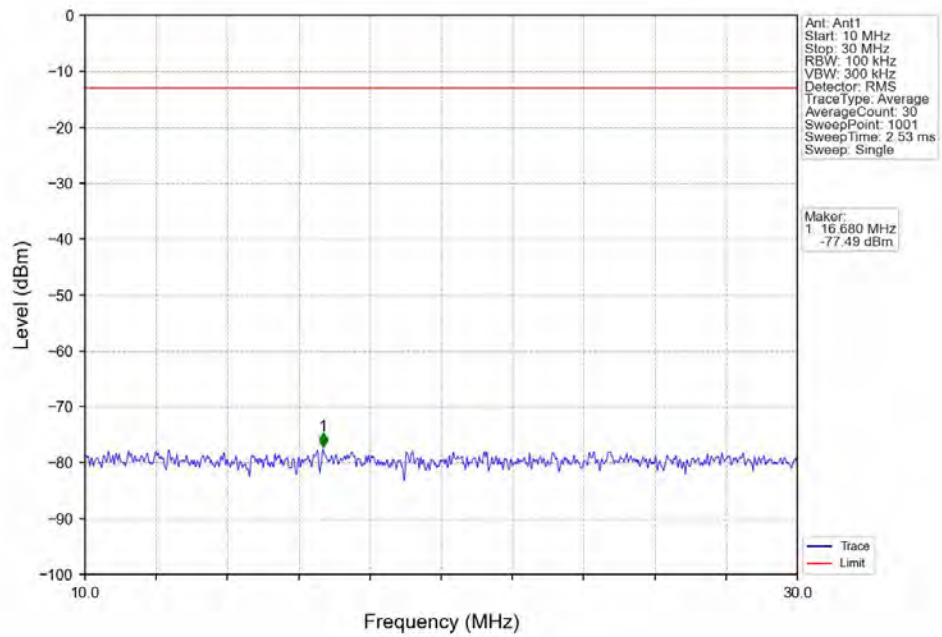
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



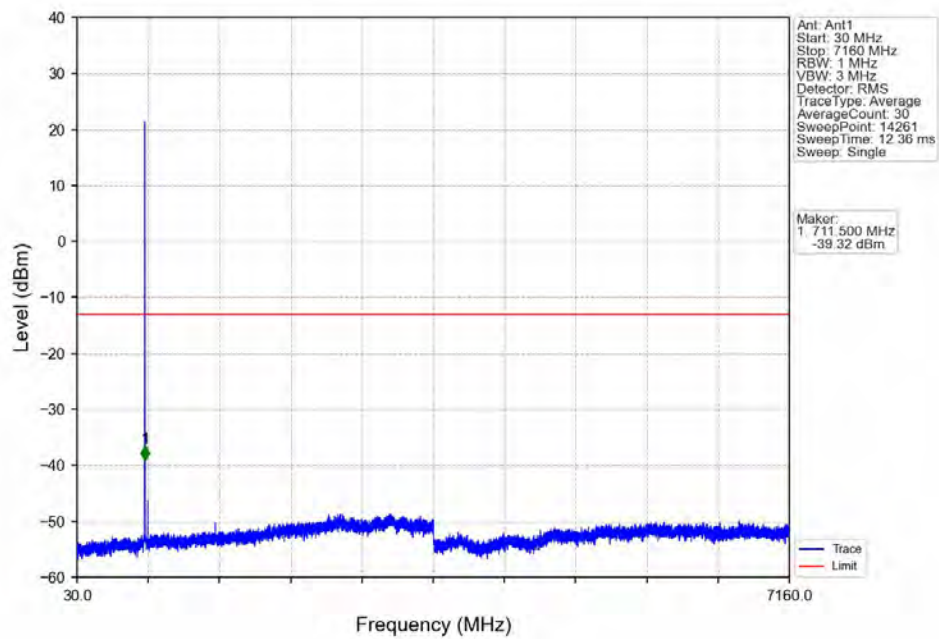
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



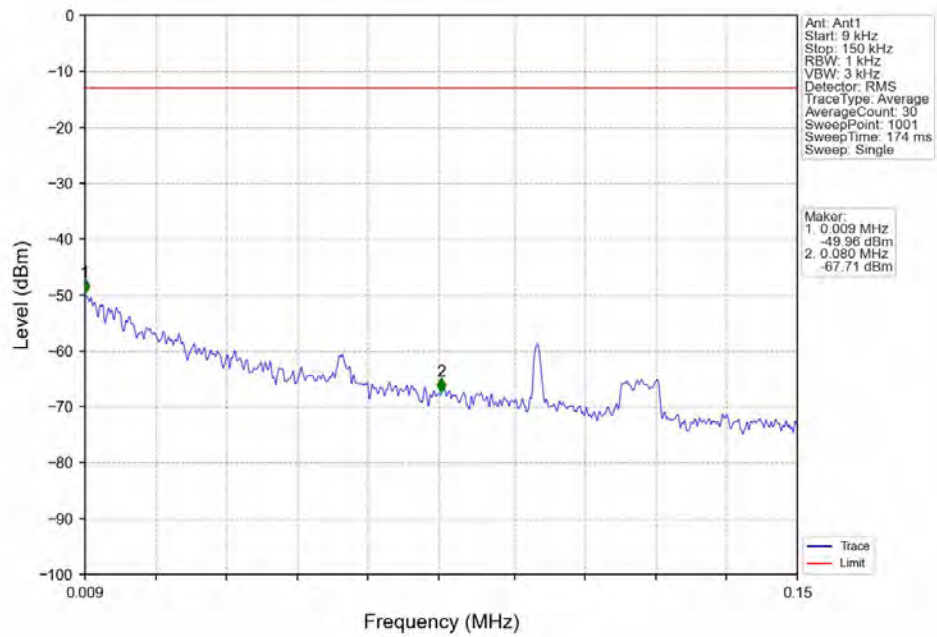
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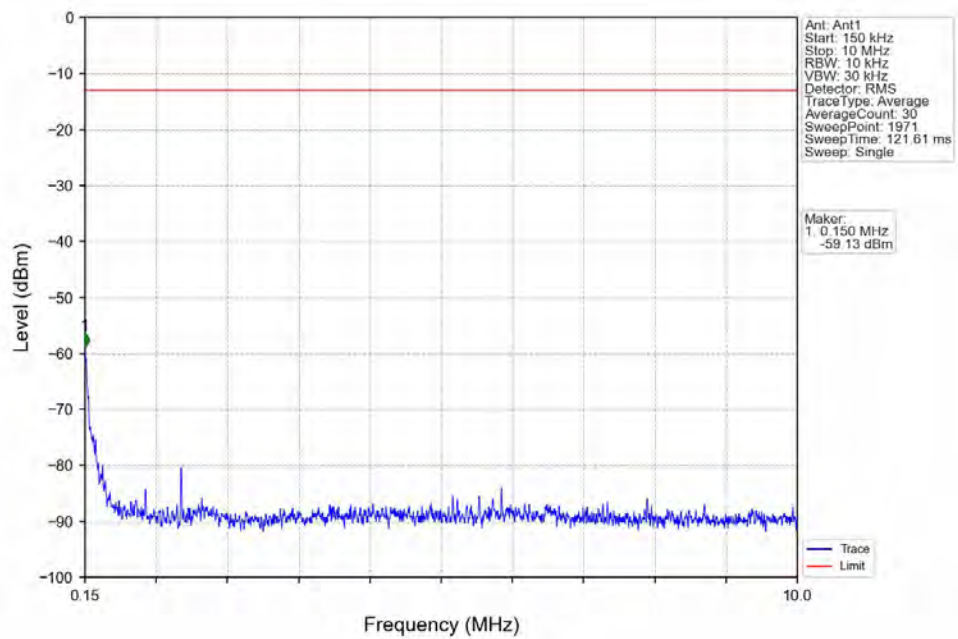
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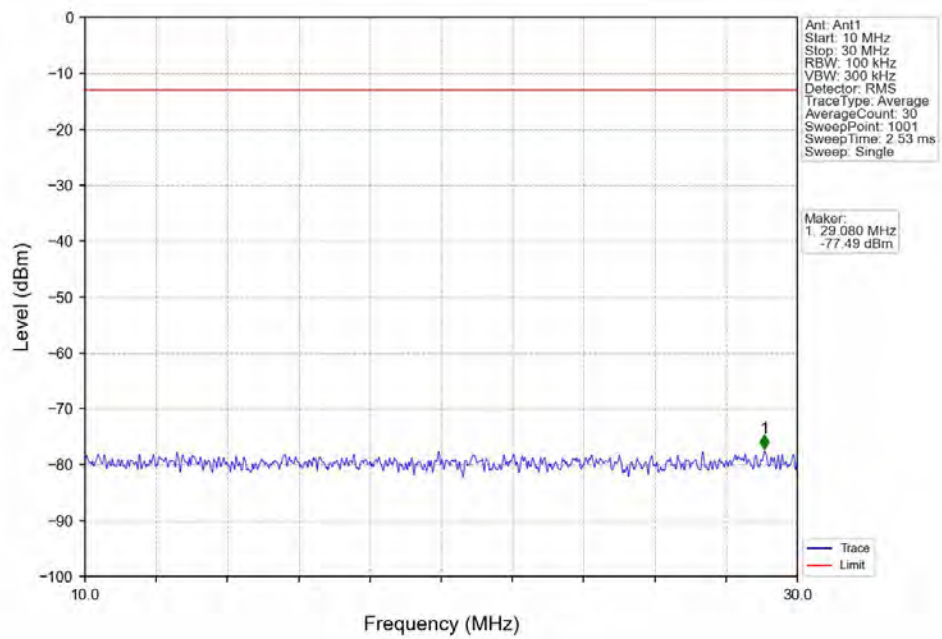
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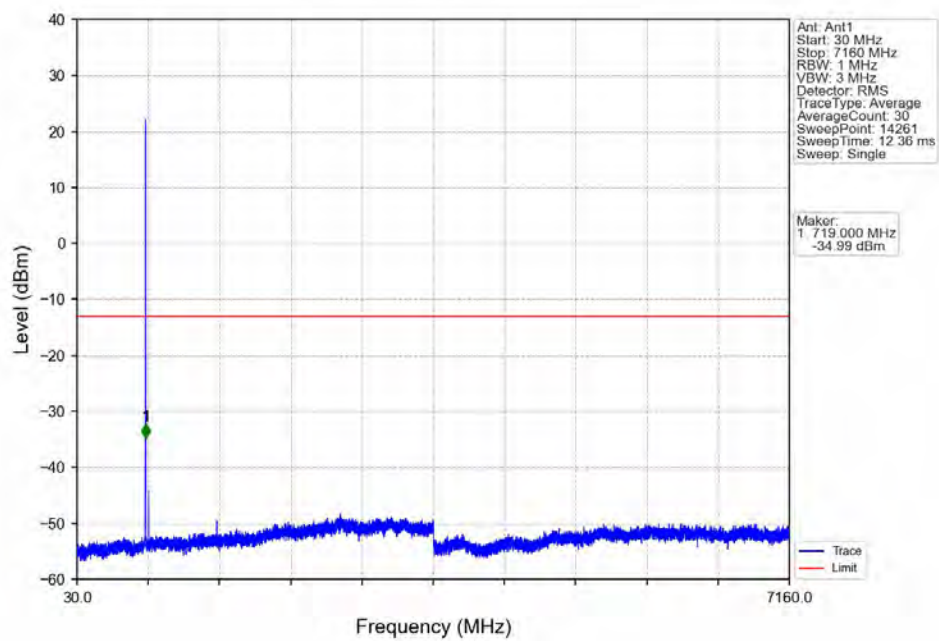
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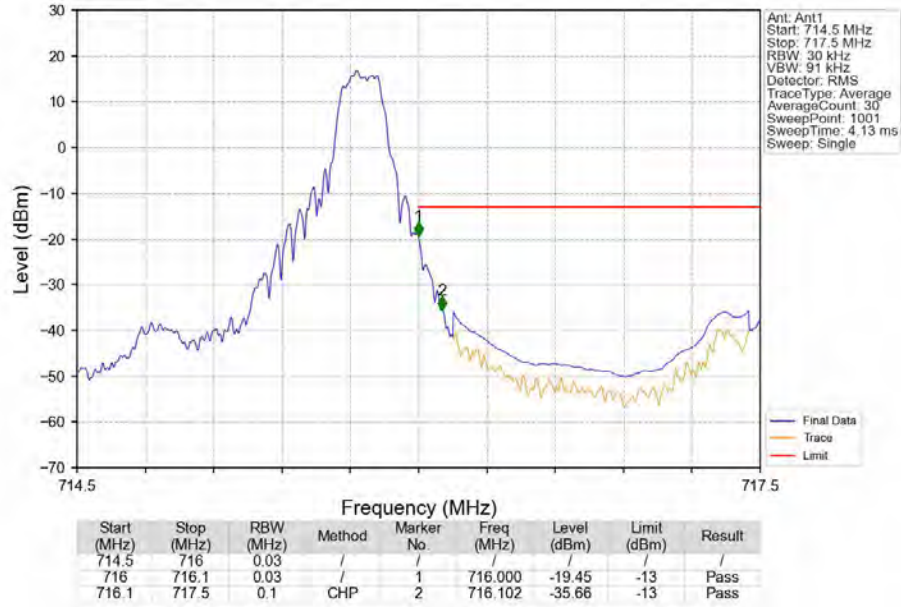
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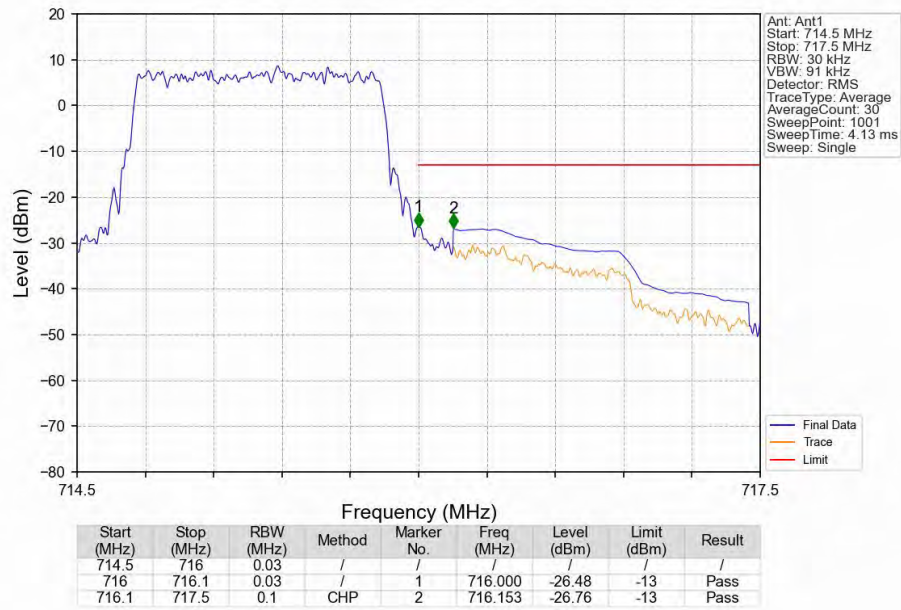
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



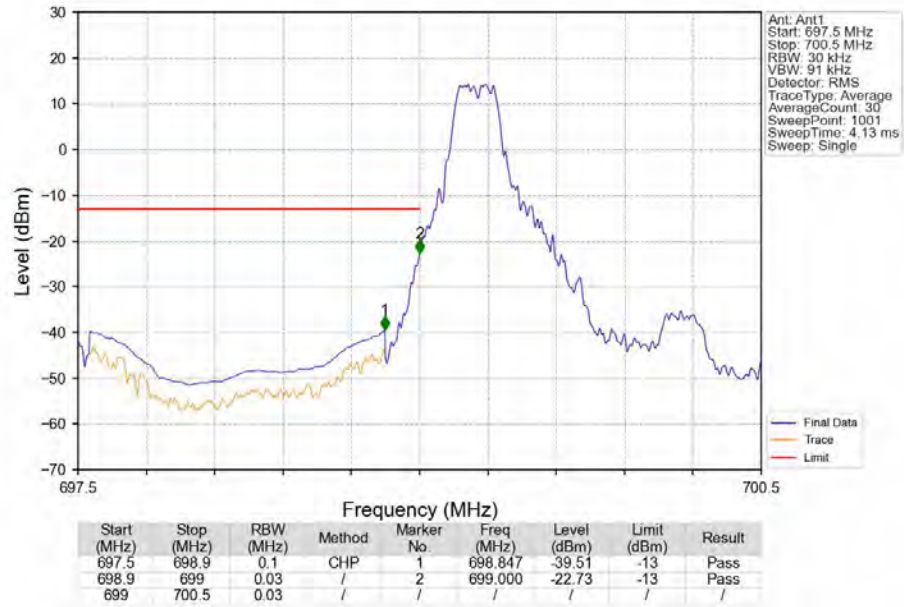
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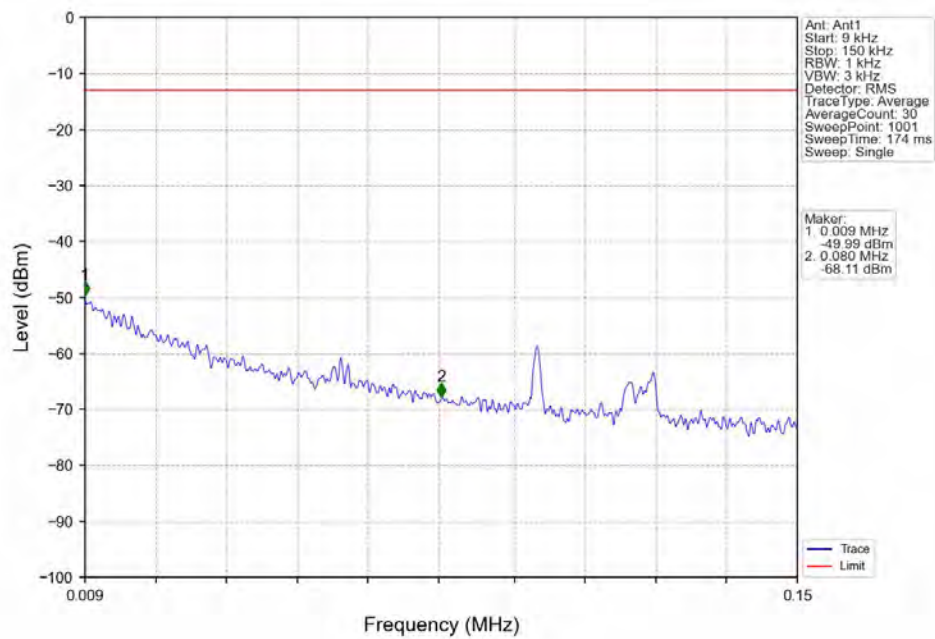
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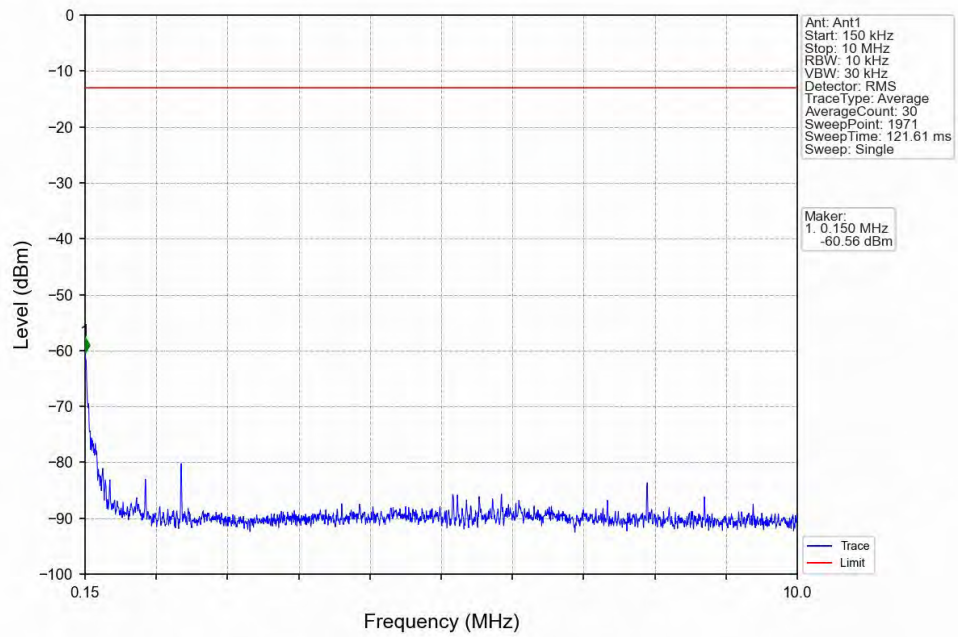
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



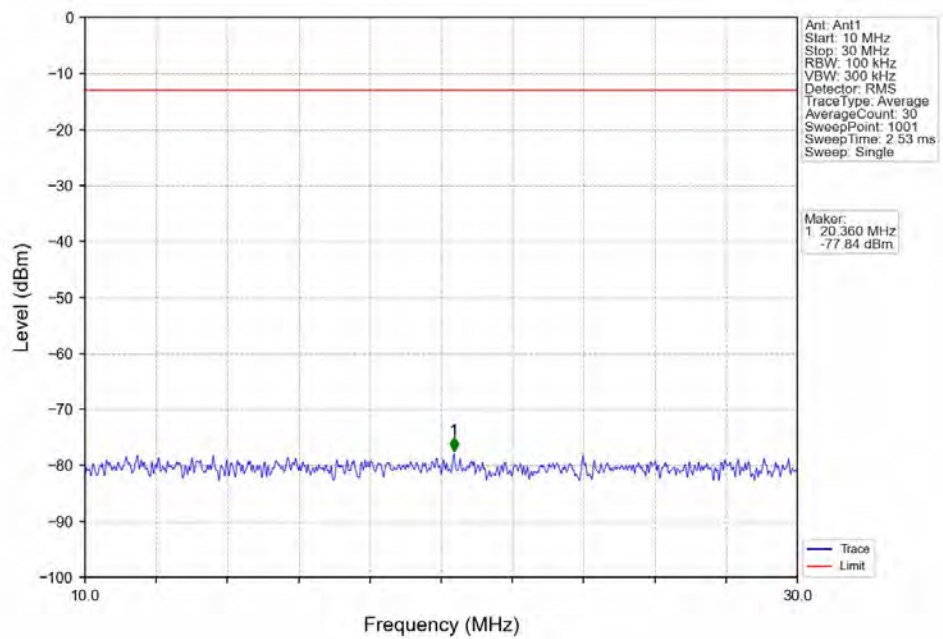
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



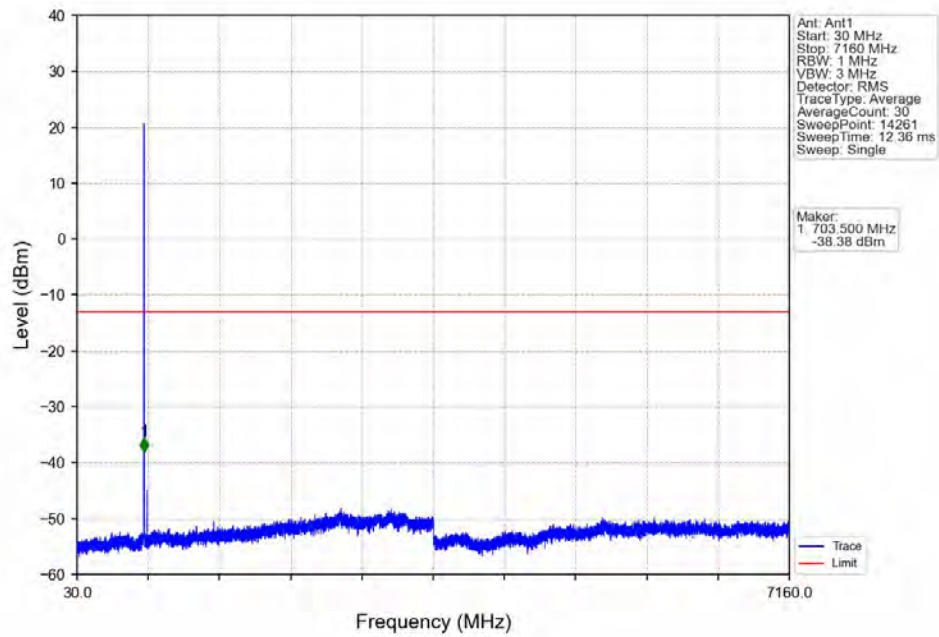
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



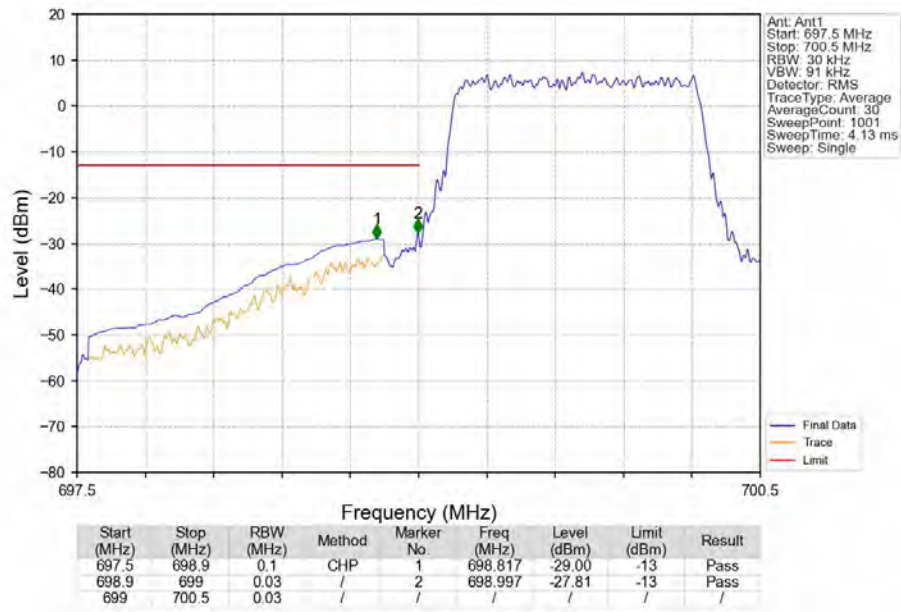
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



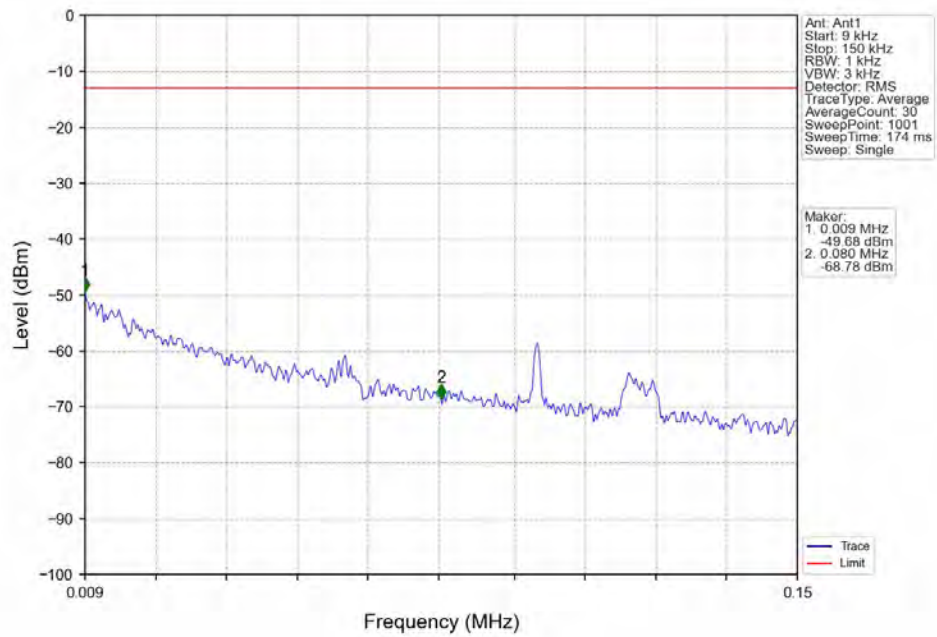
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



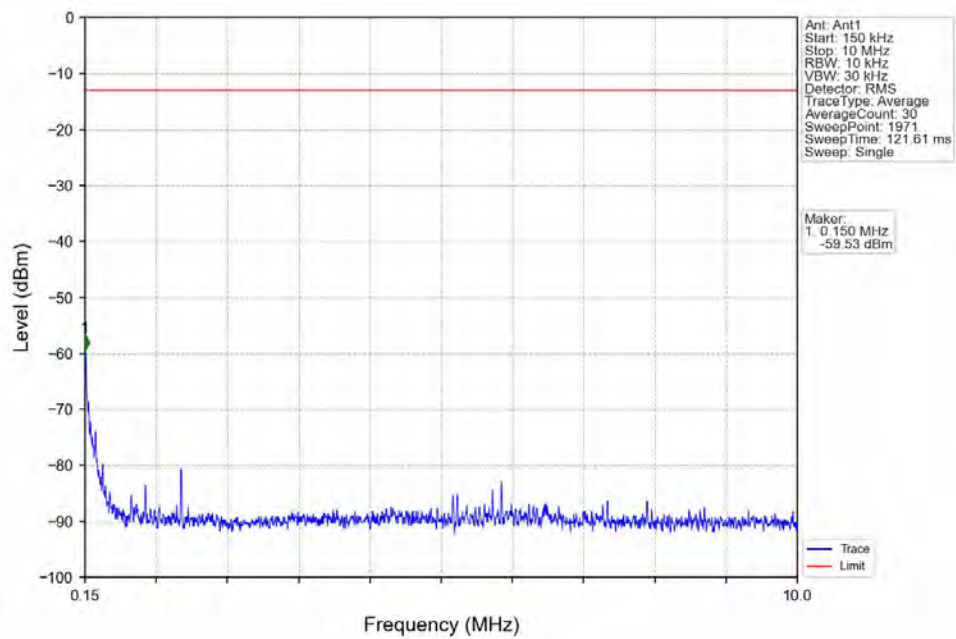
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



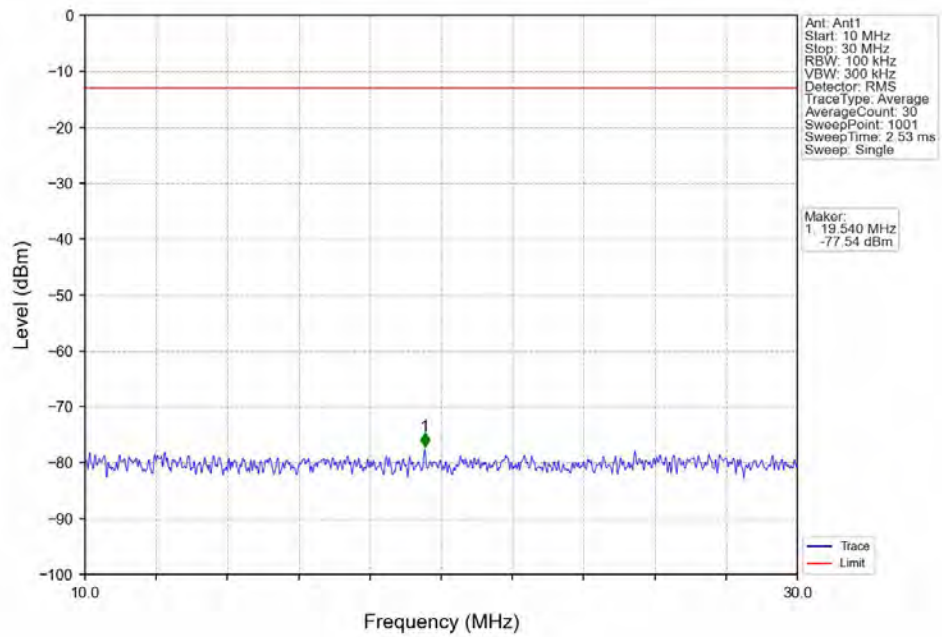
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



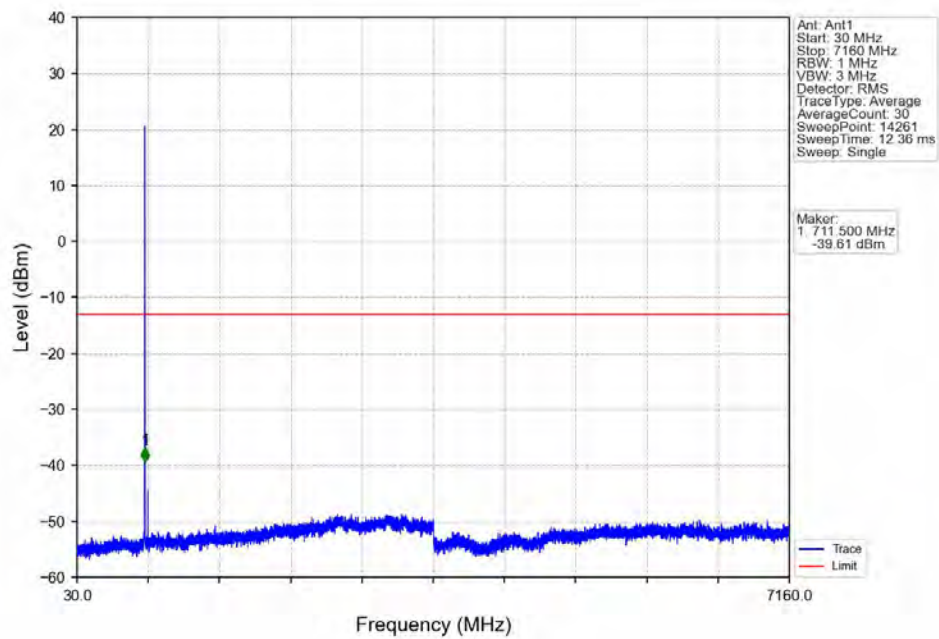
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



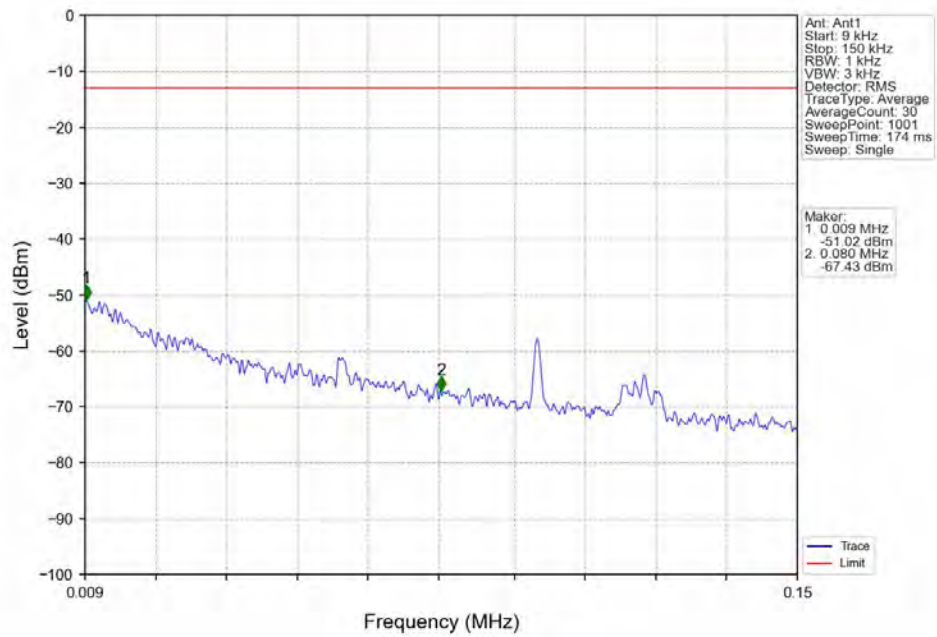
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



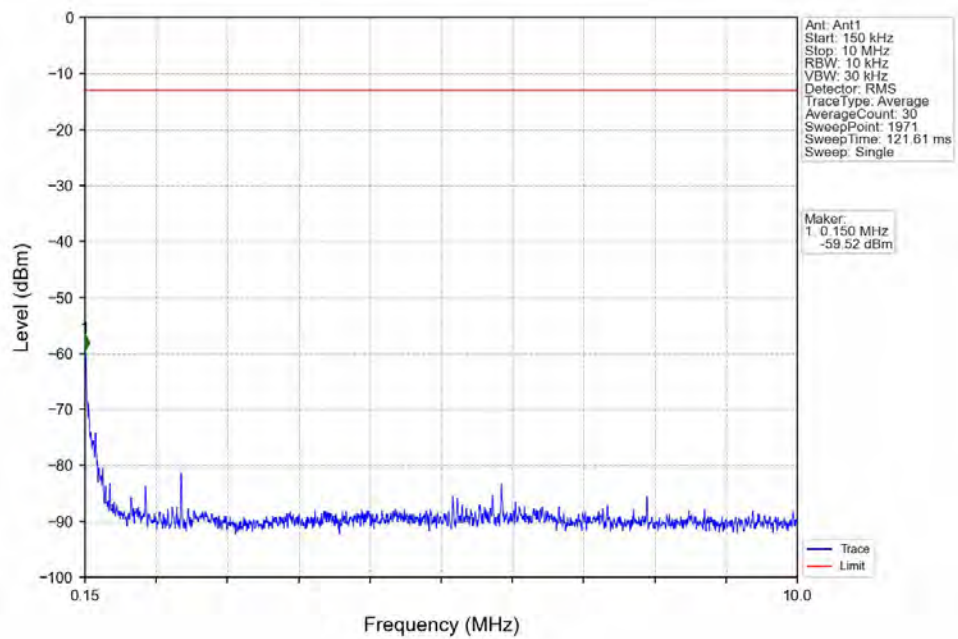
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



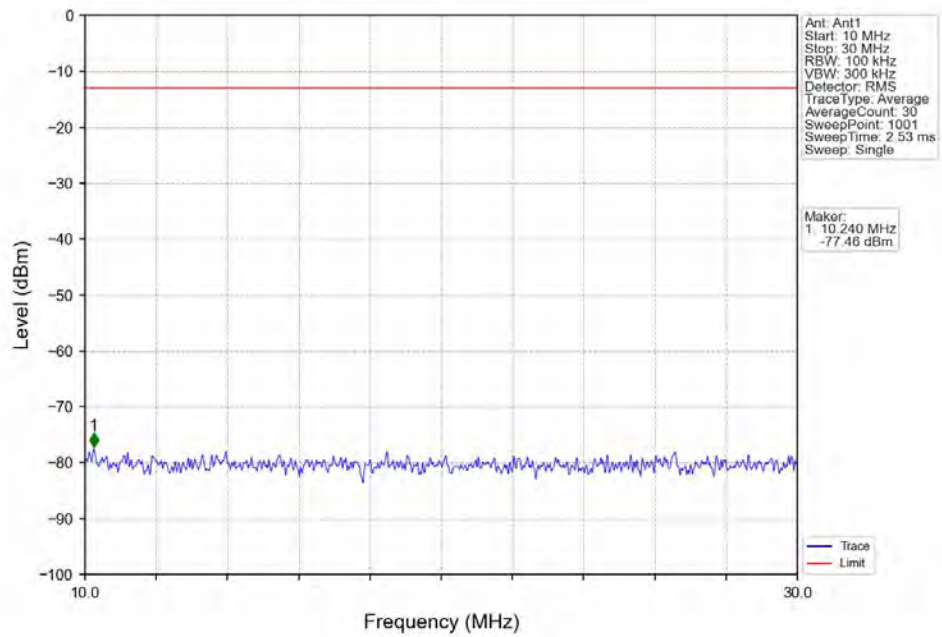
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



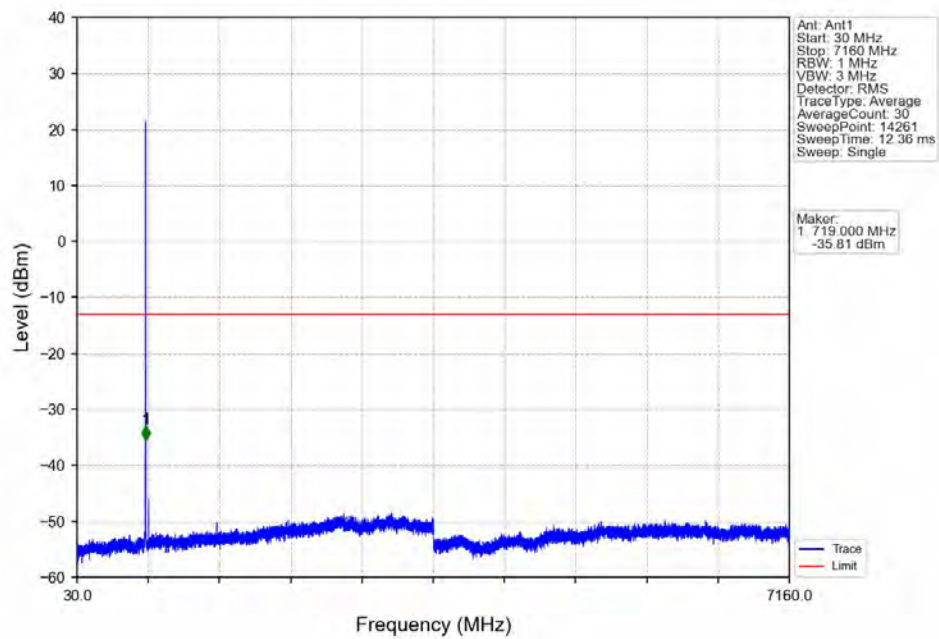
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



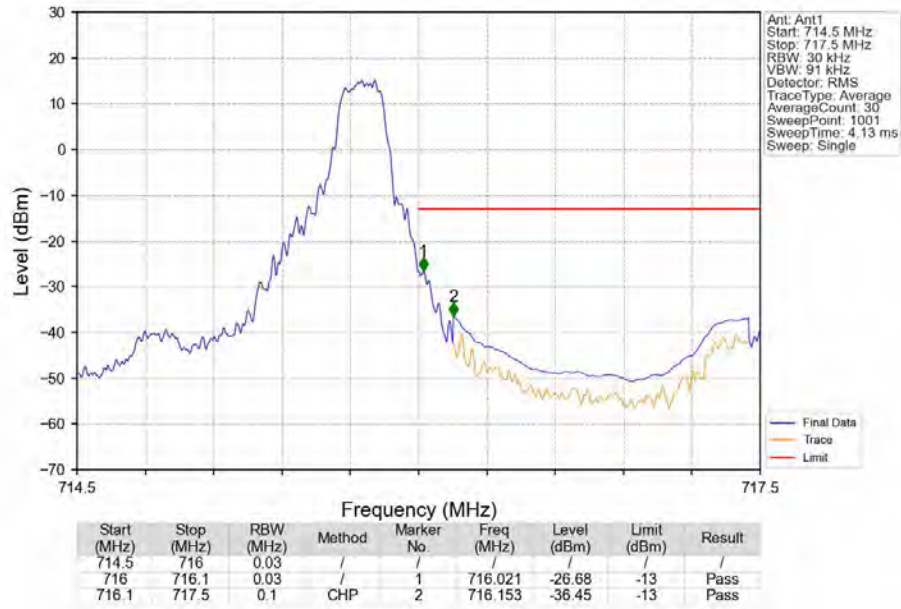
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



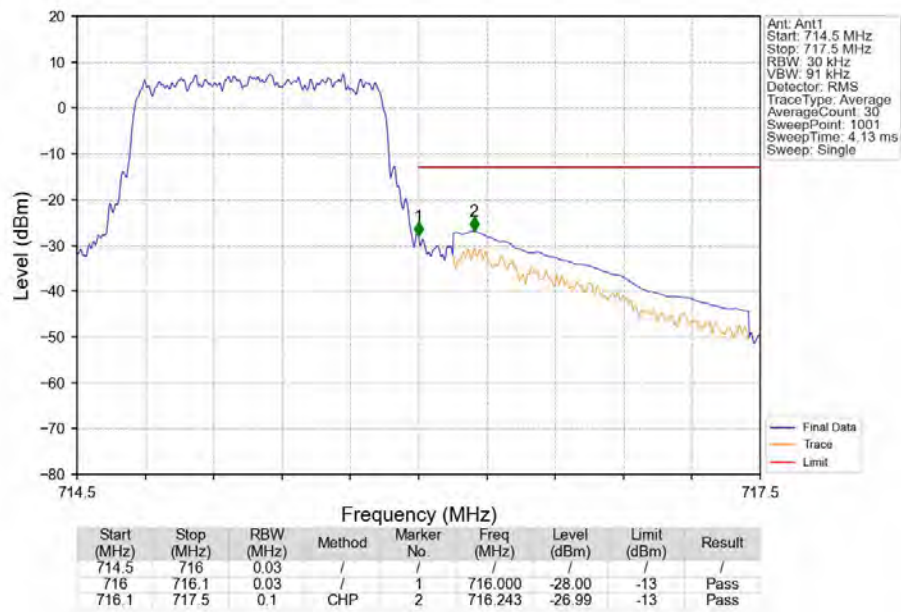
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

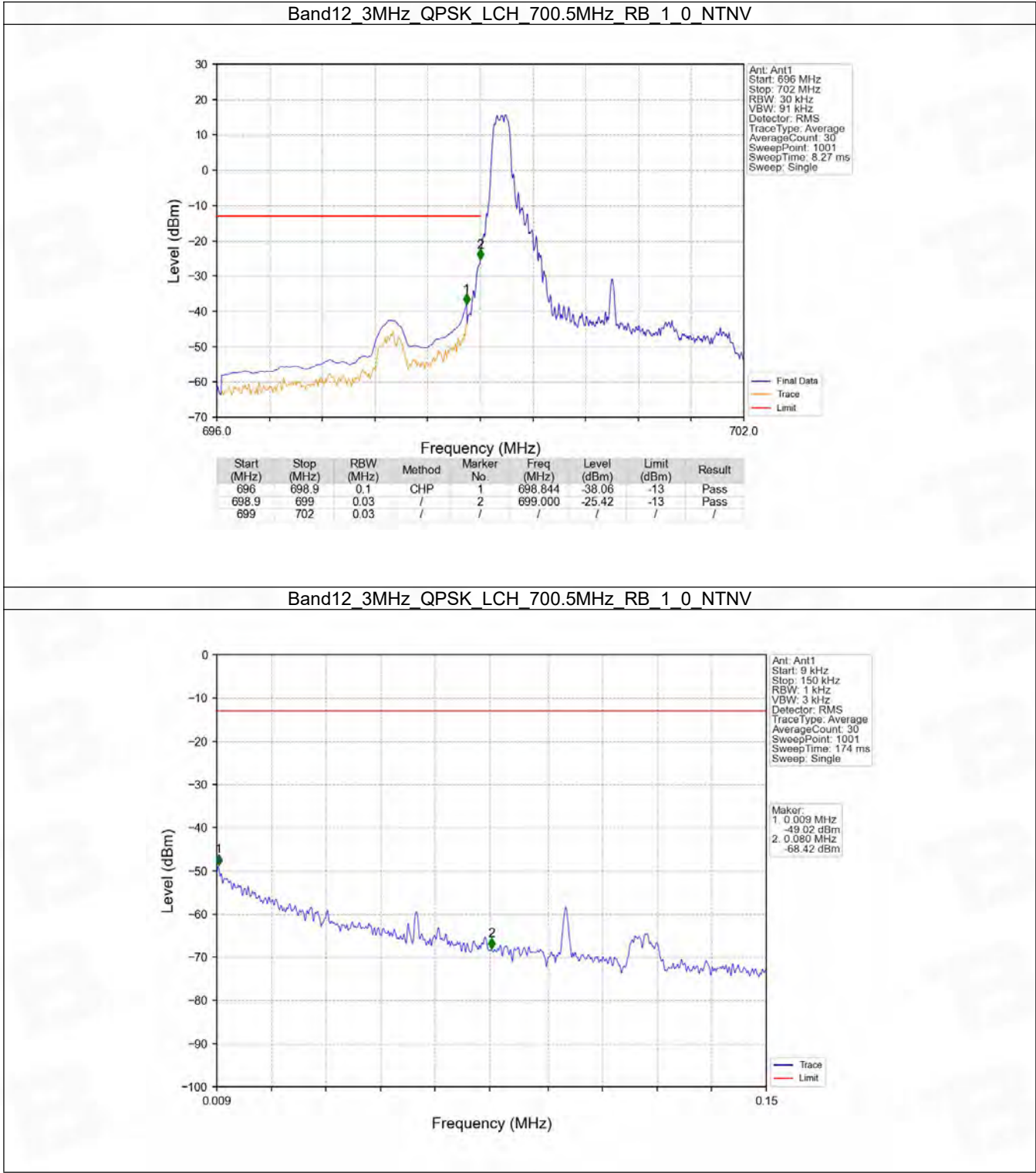


6.2 B12_3MHz

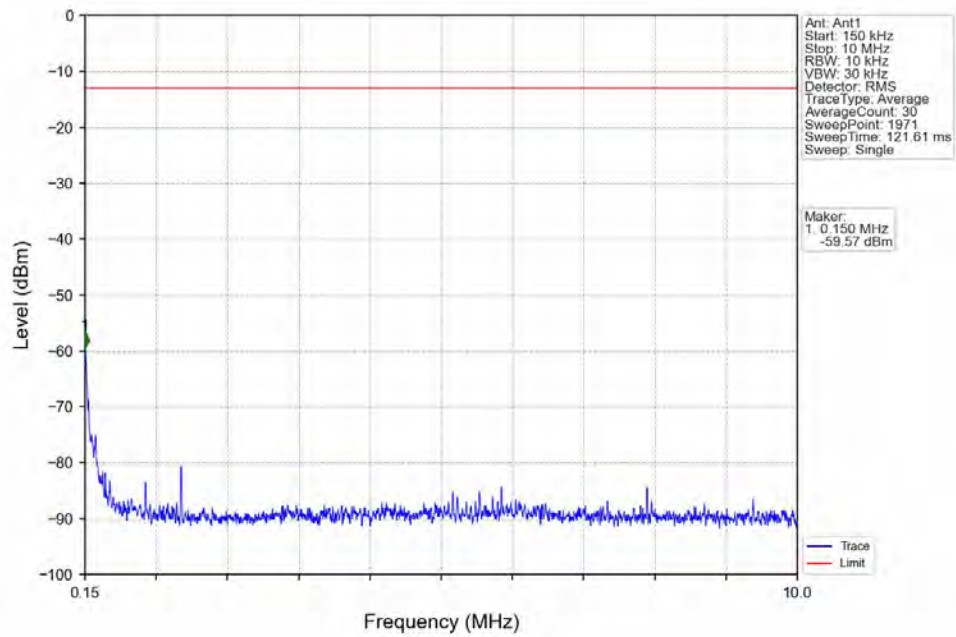
6.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTVN						
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

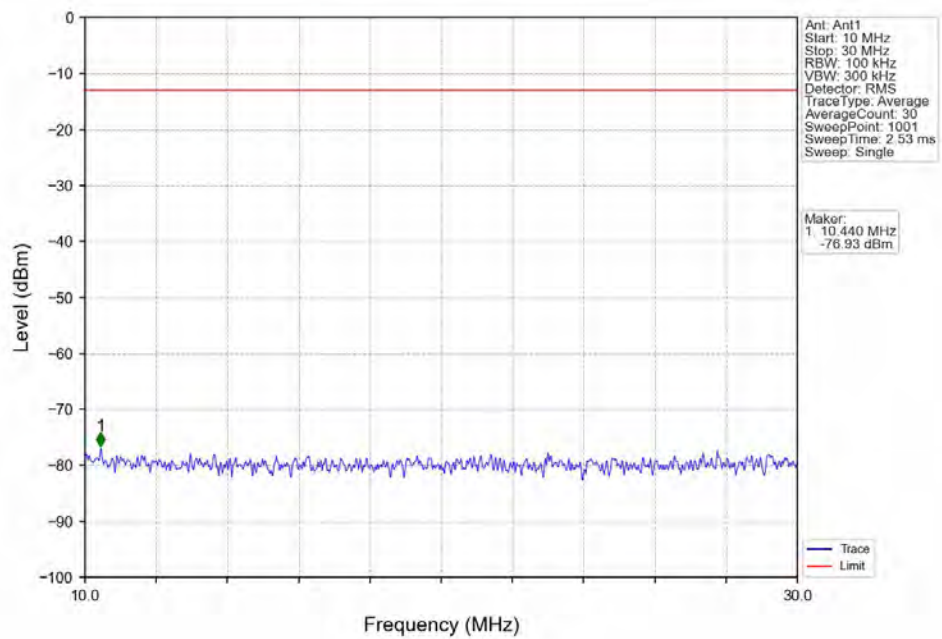
6.2.2 Test Graph



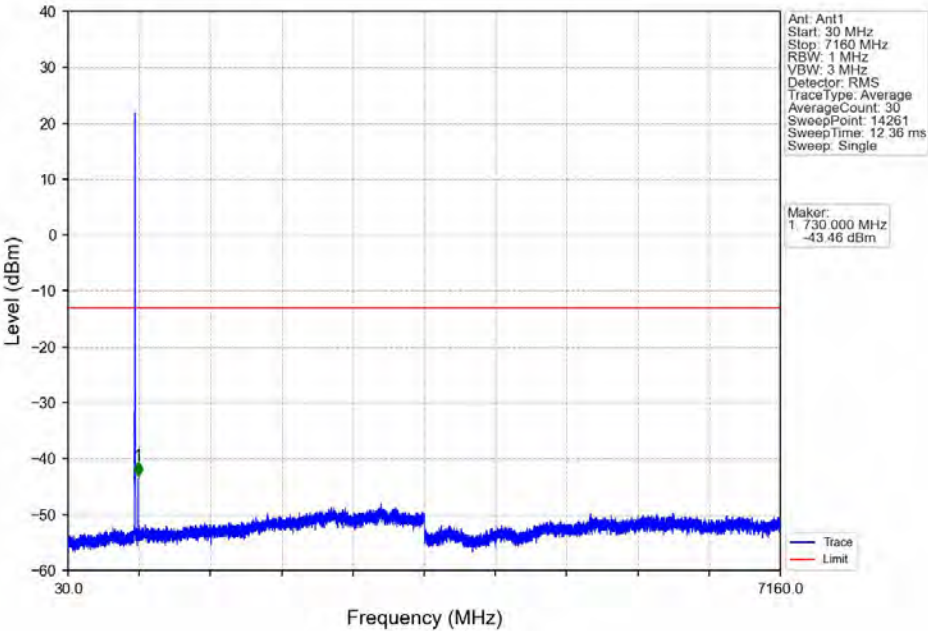
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



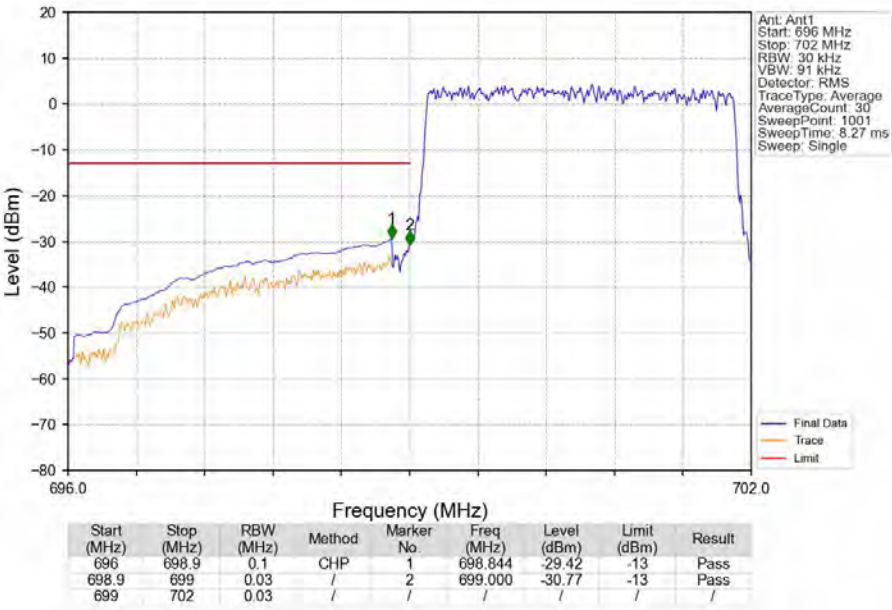
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



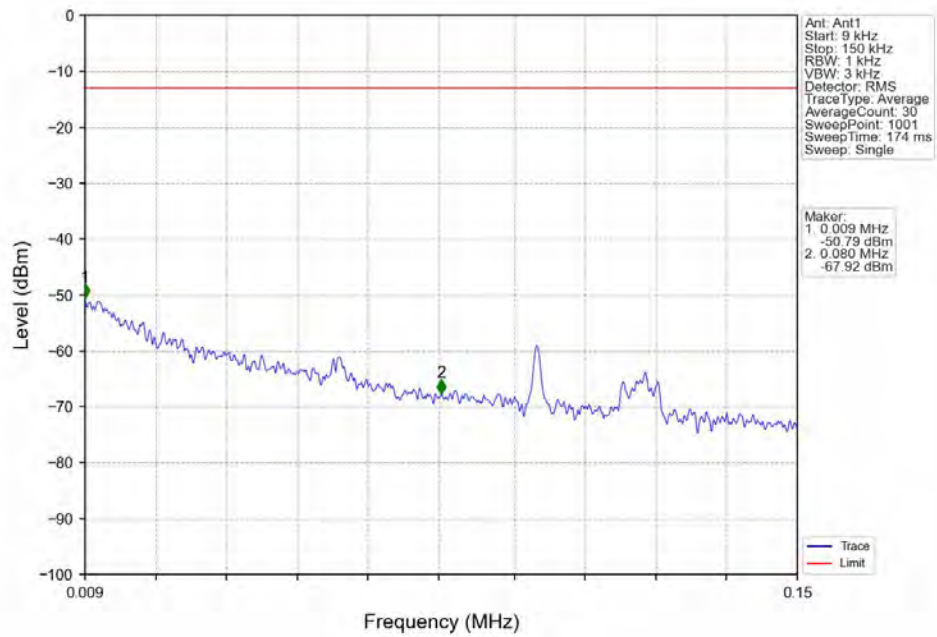
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



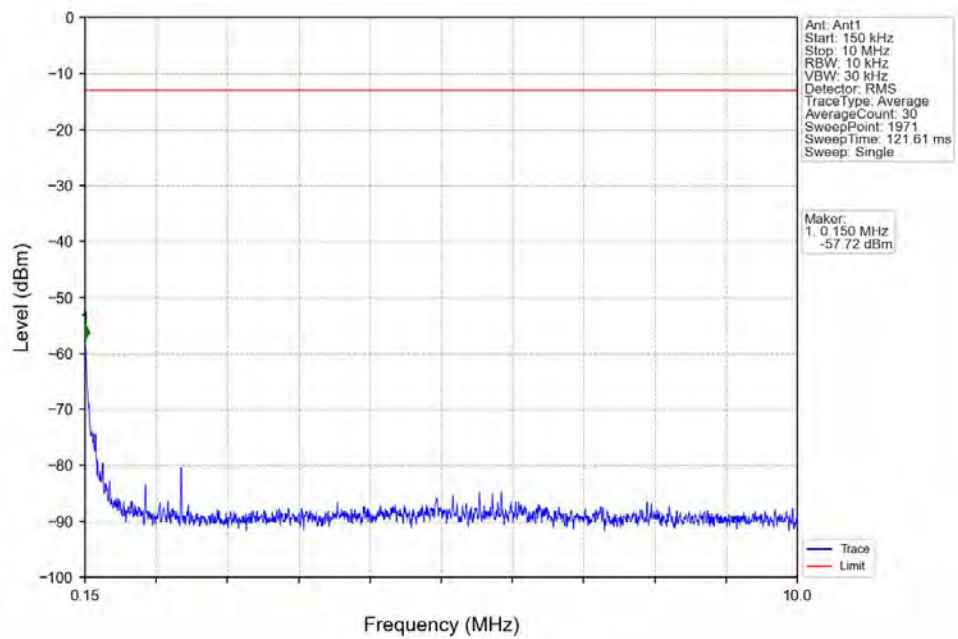
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



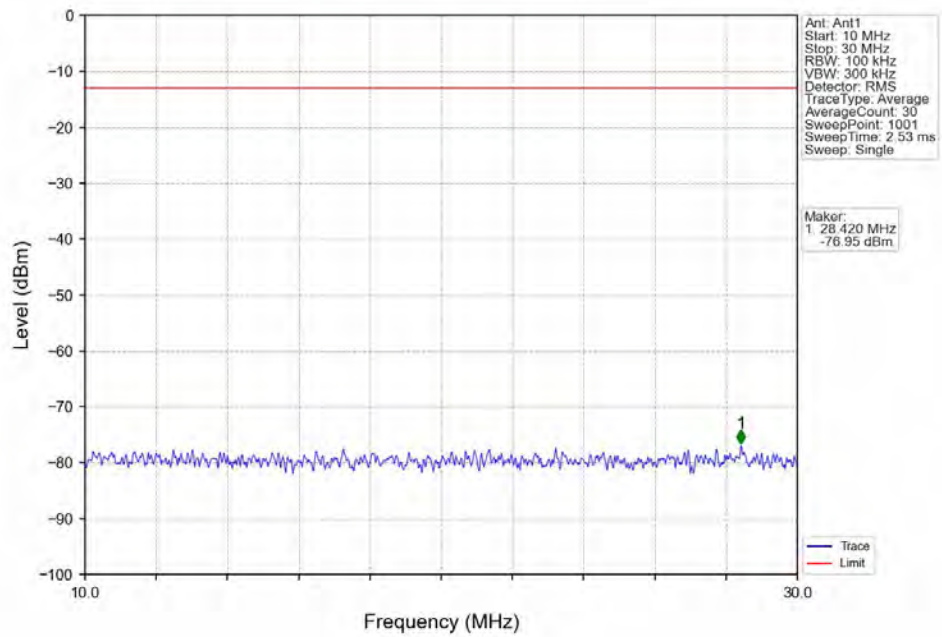
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



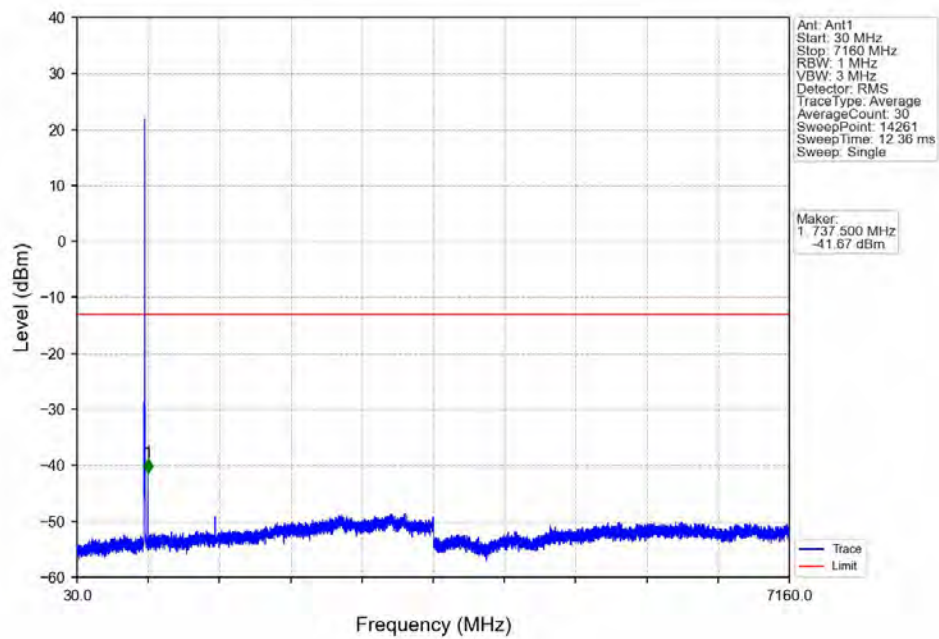
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



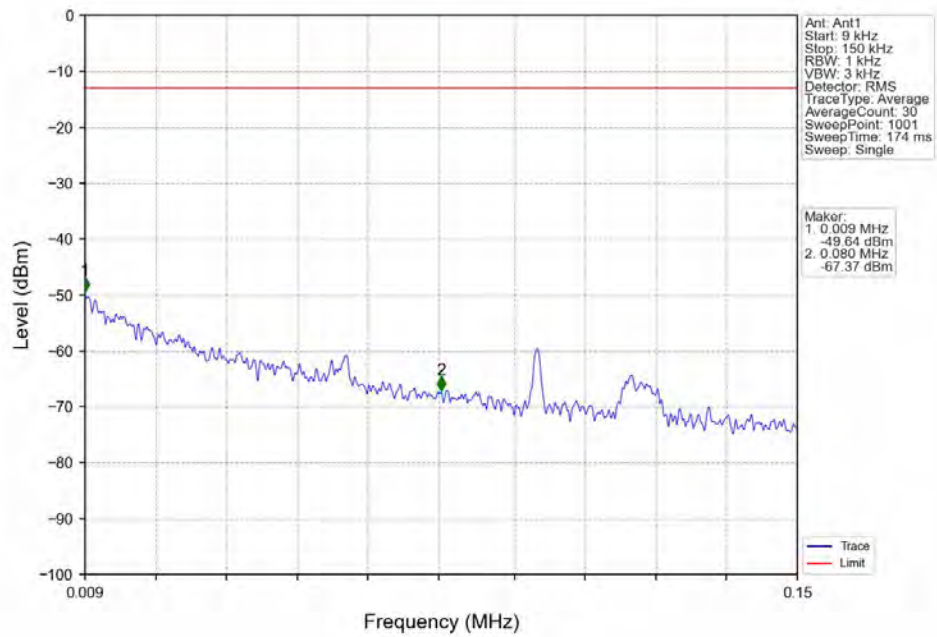
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



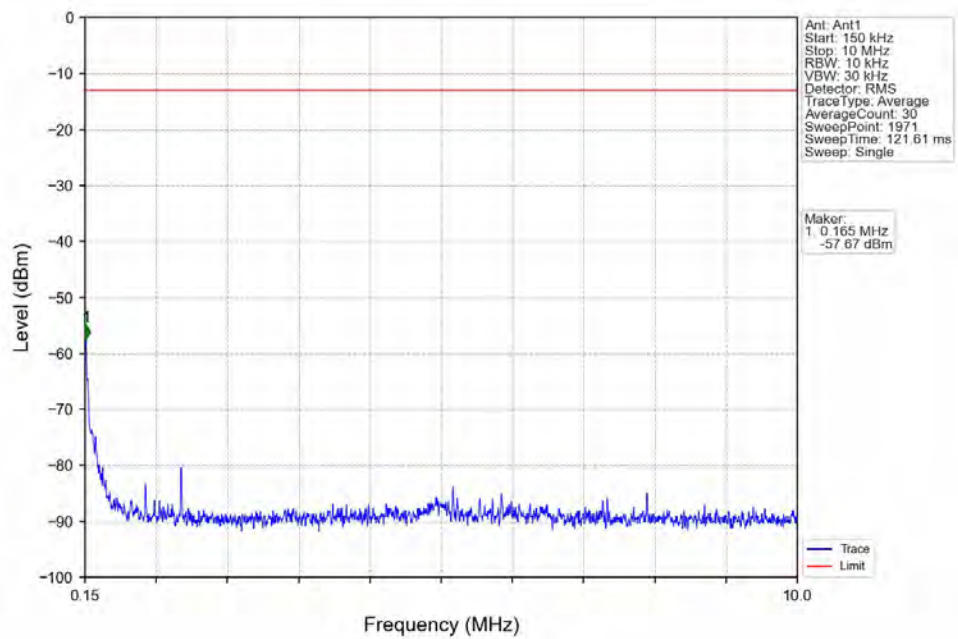
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



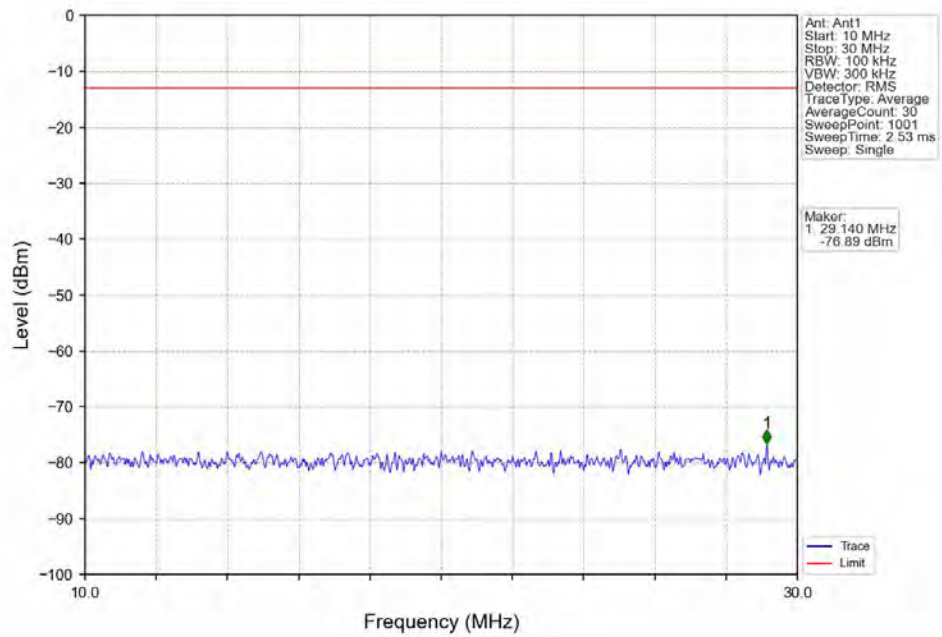
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



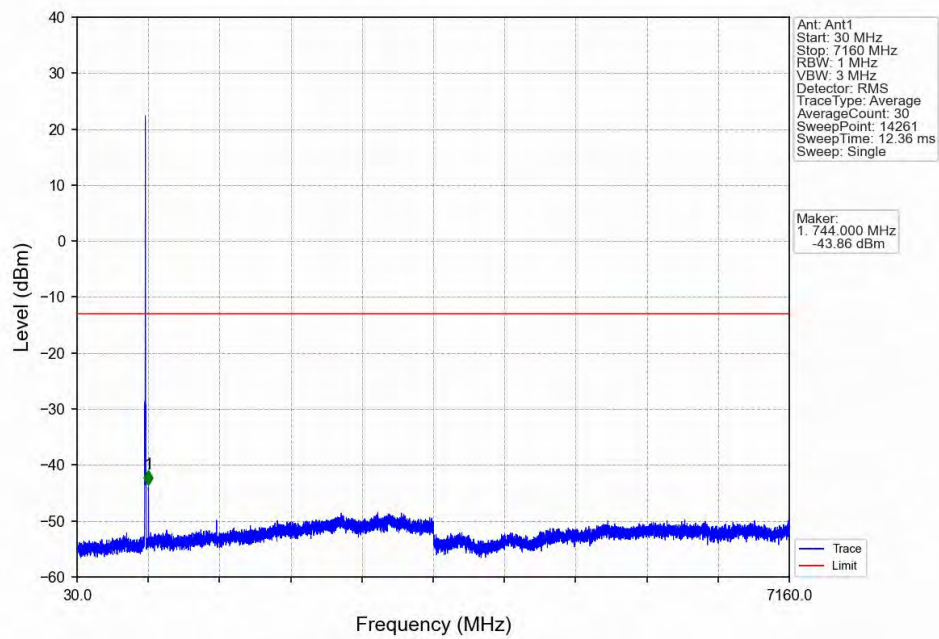
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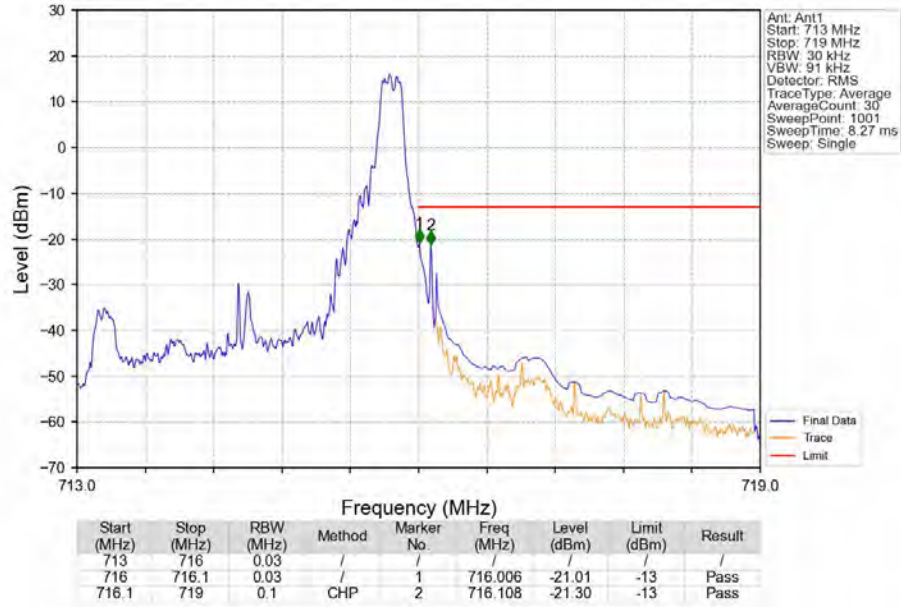
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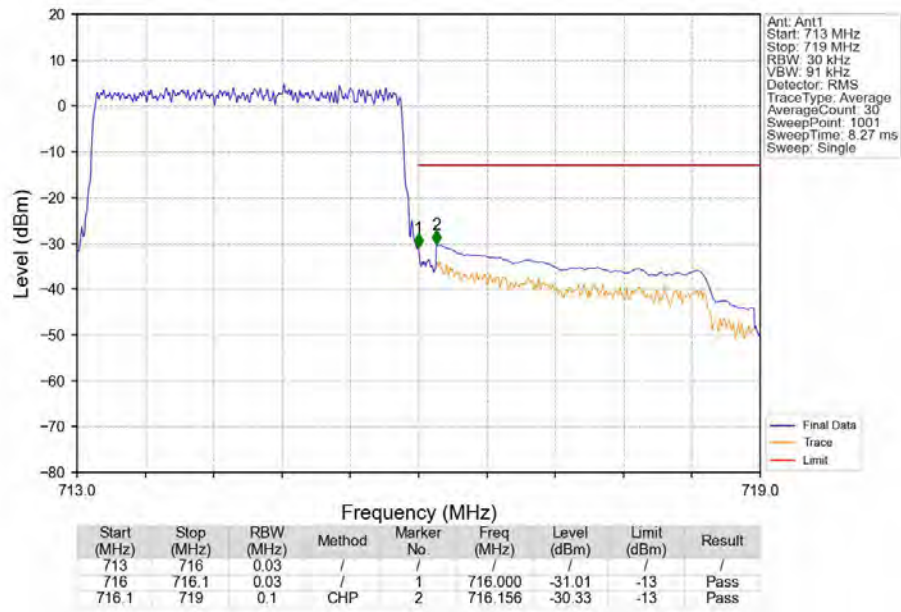
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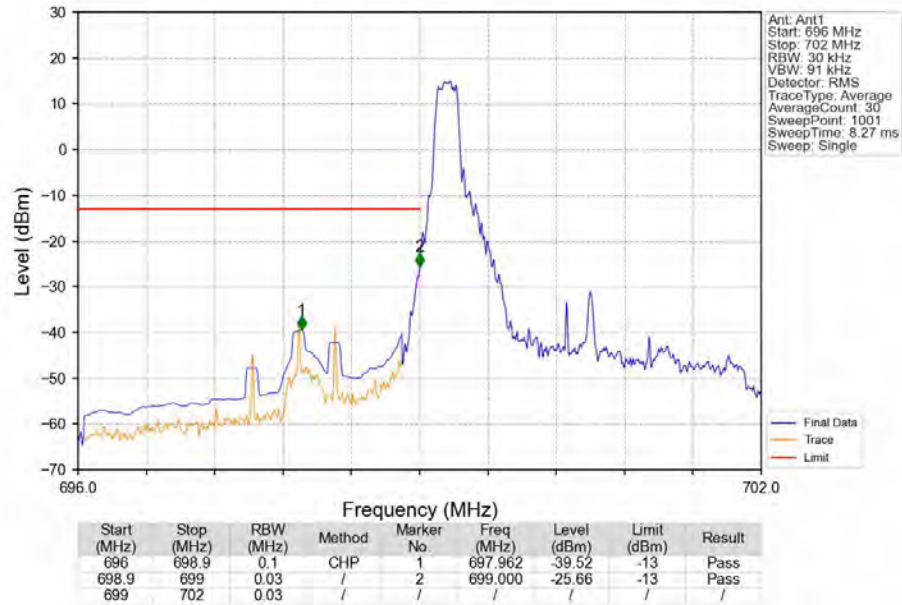
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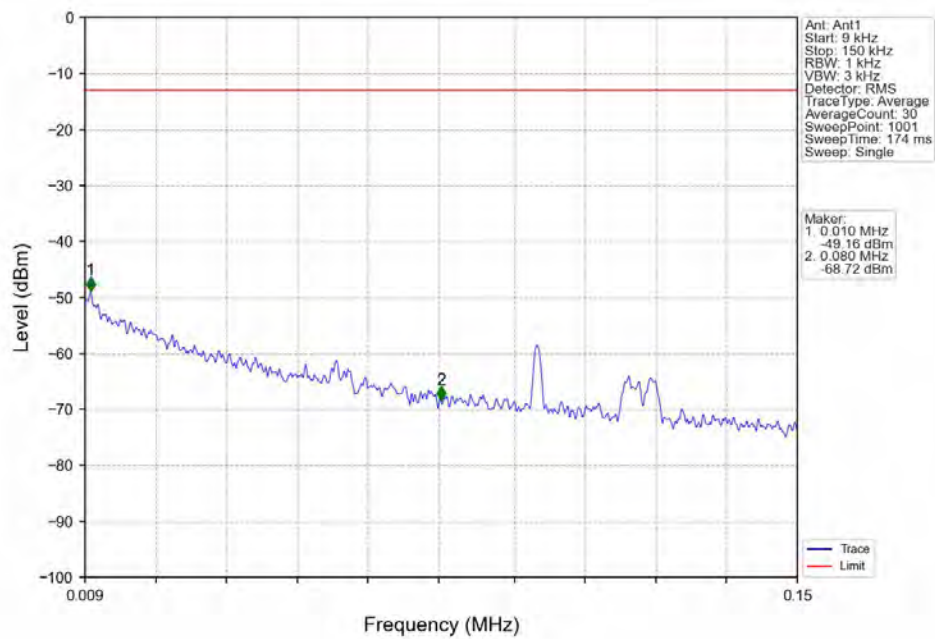
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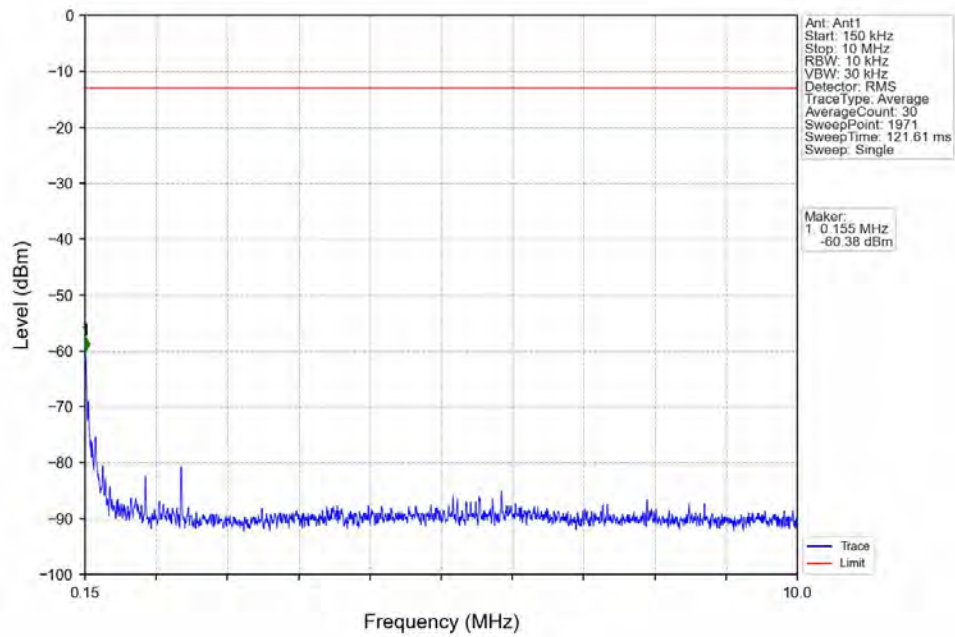
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



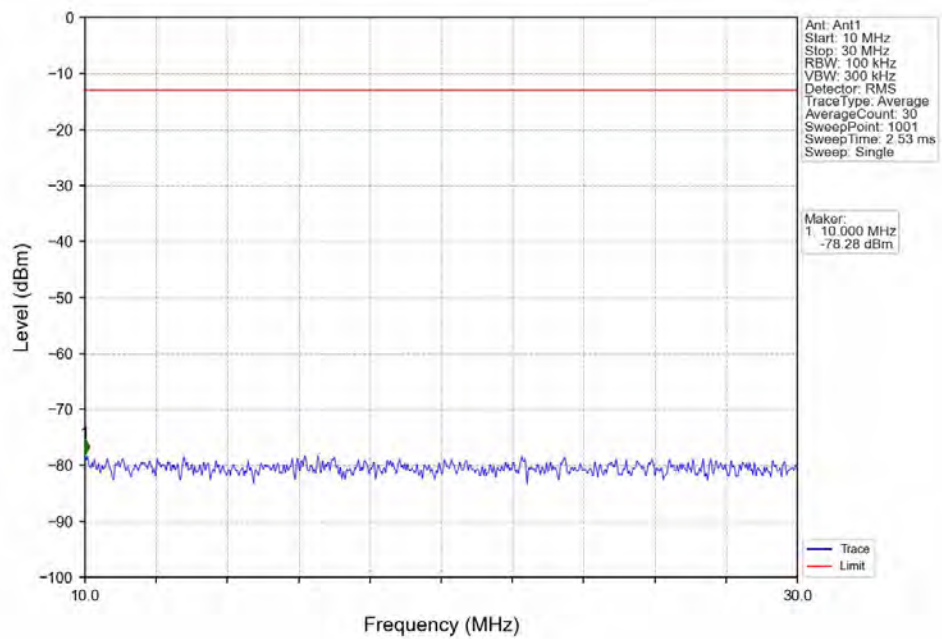
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



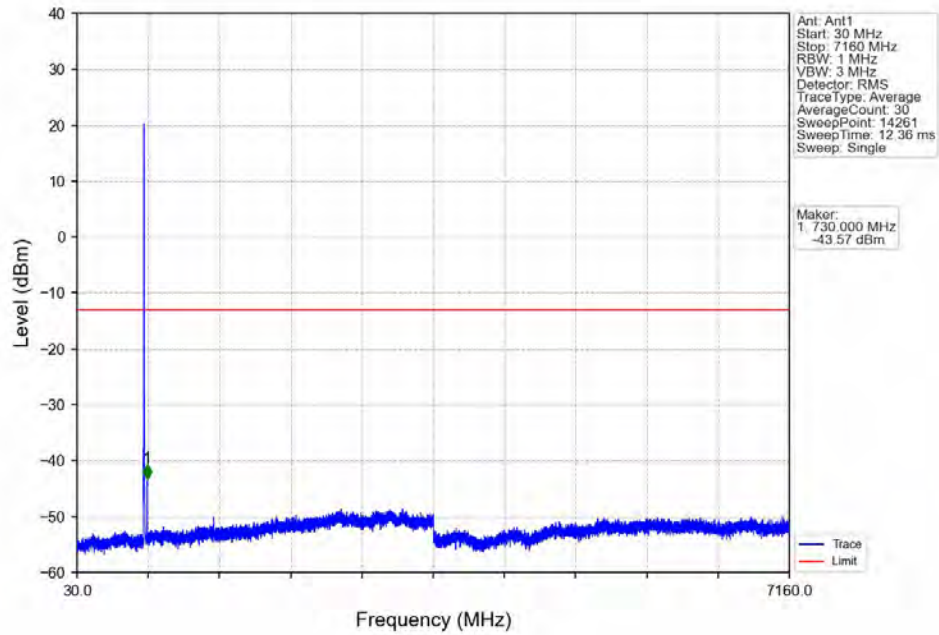
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



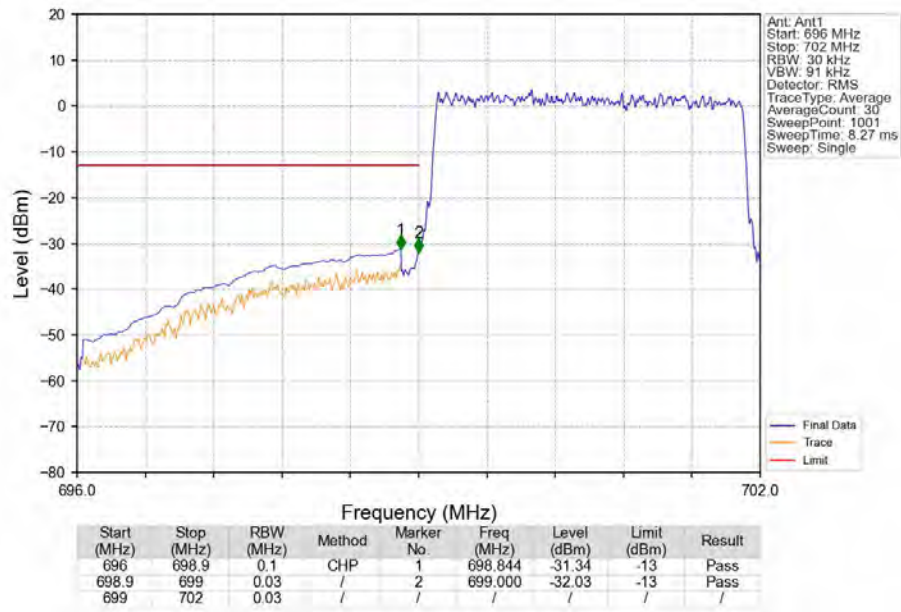
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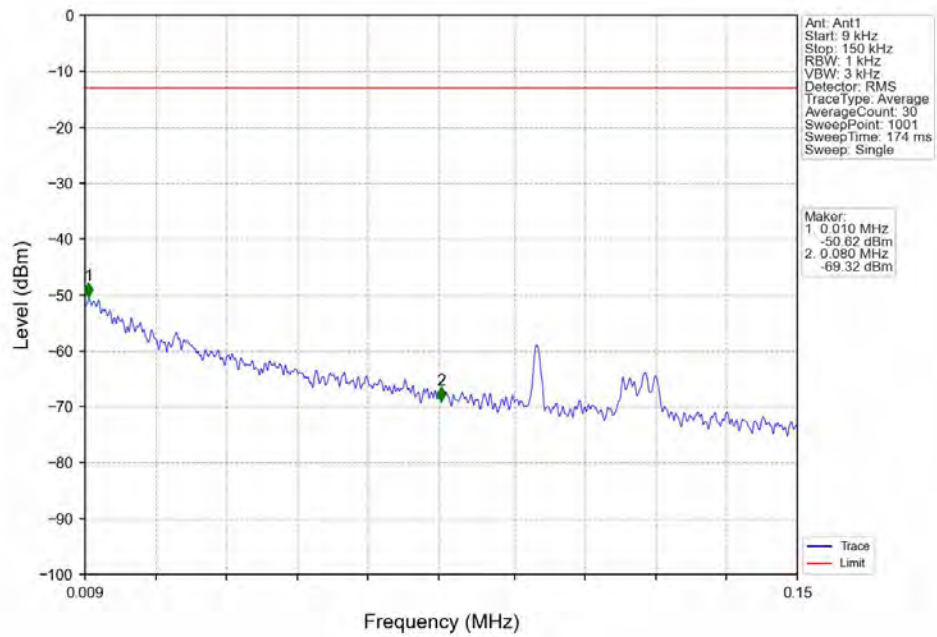
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



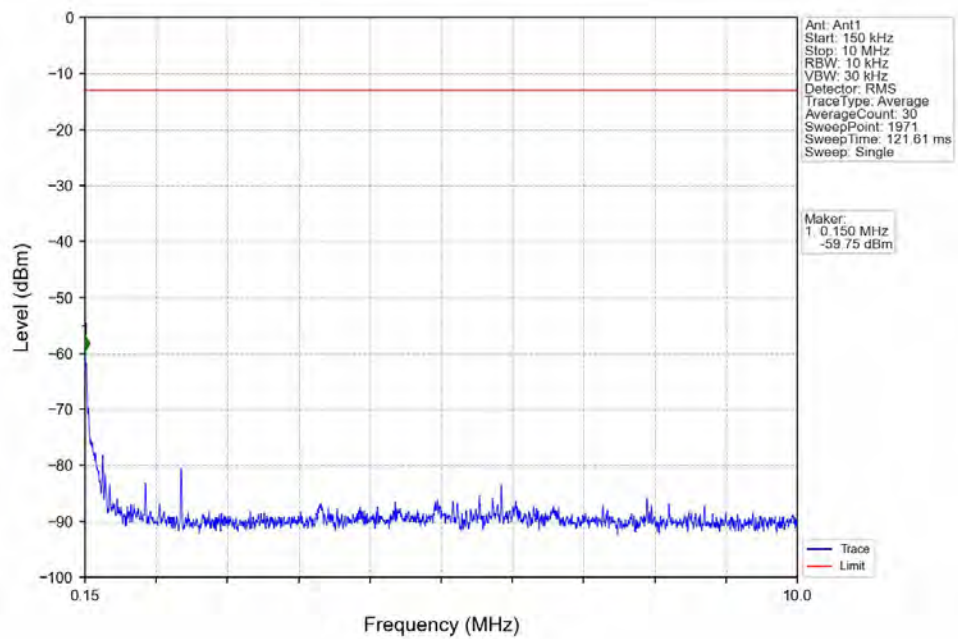
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



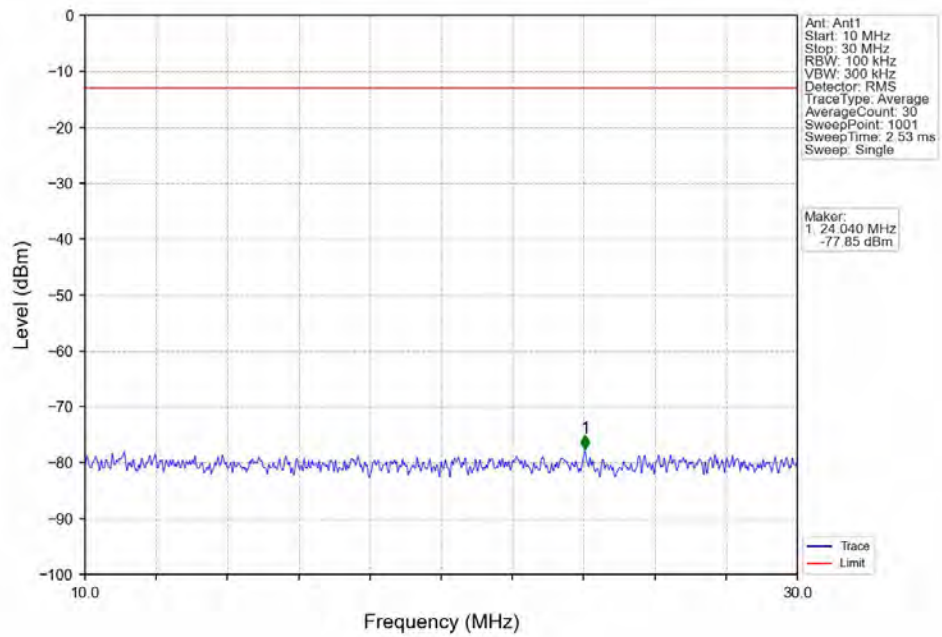
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



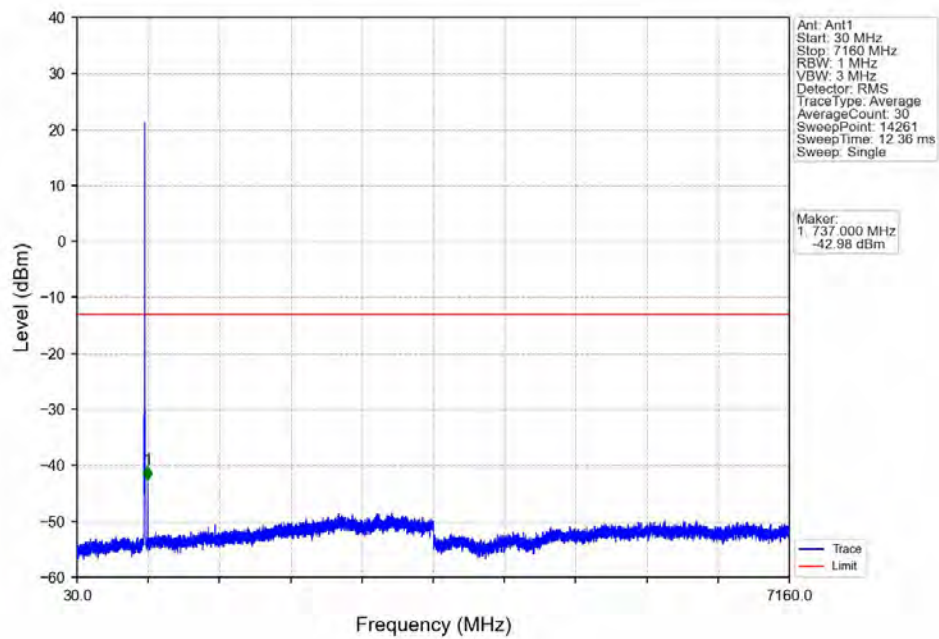
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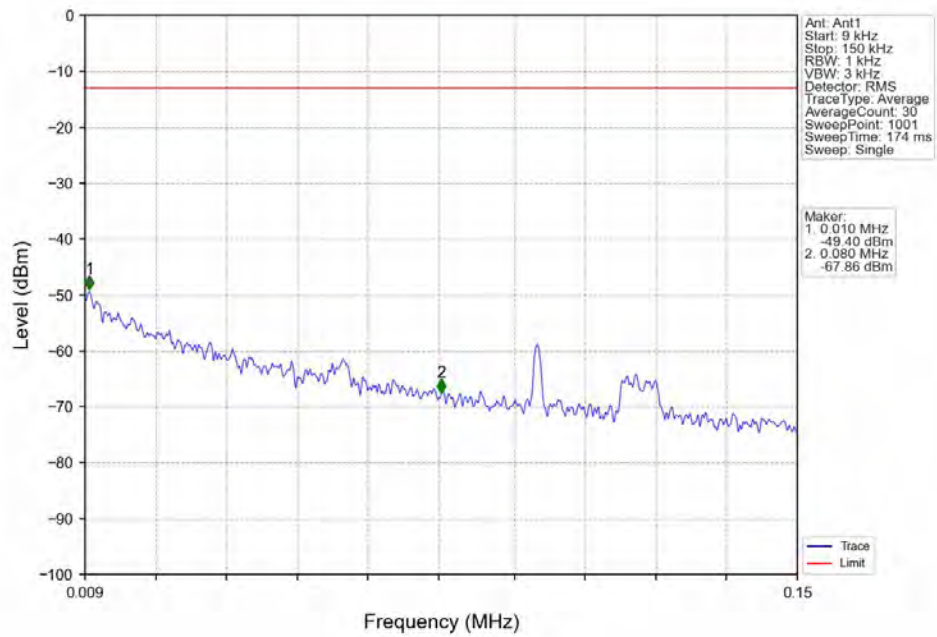
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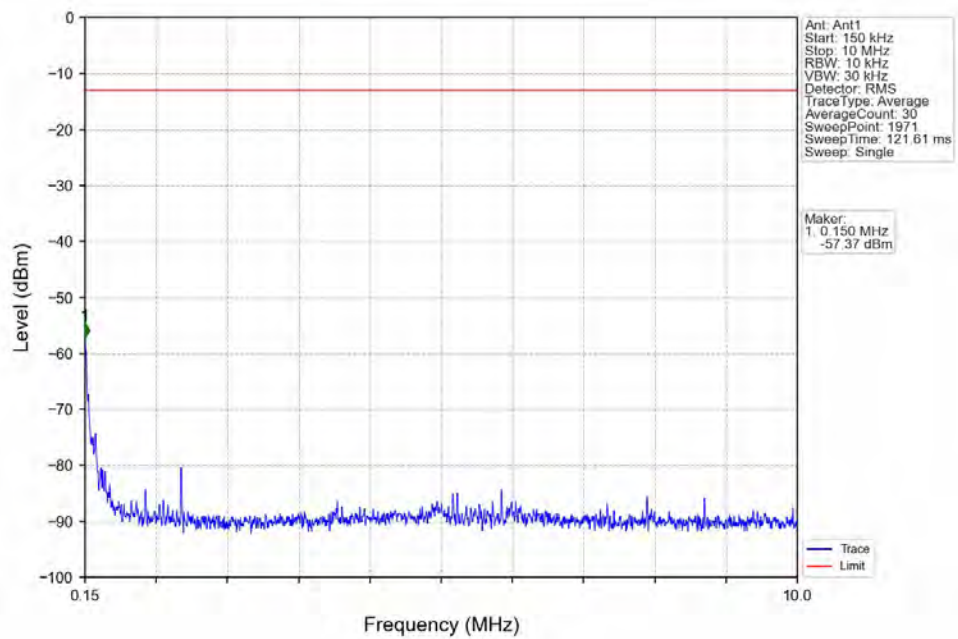
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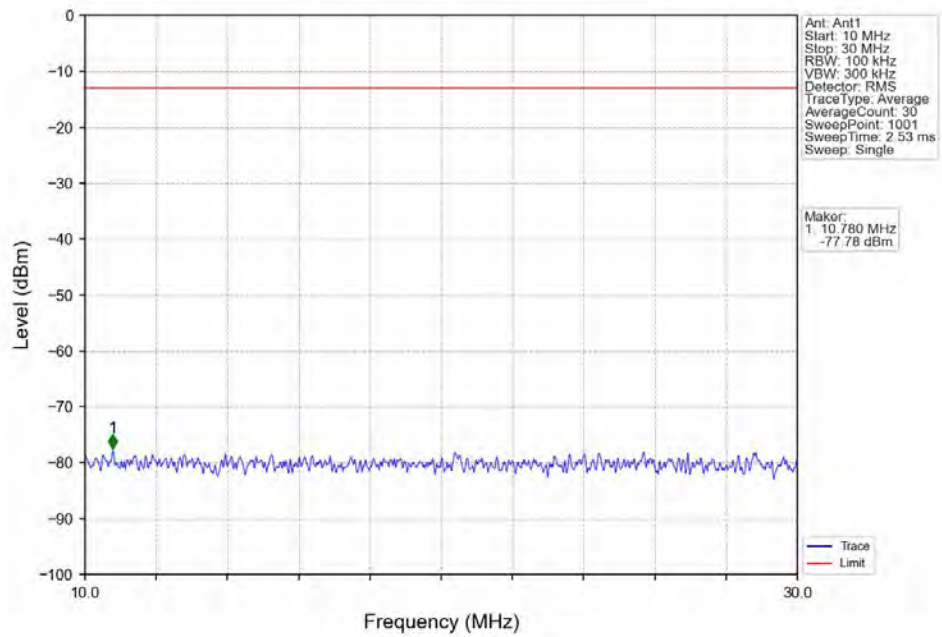
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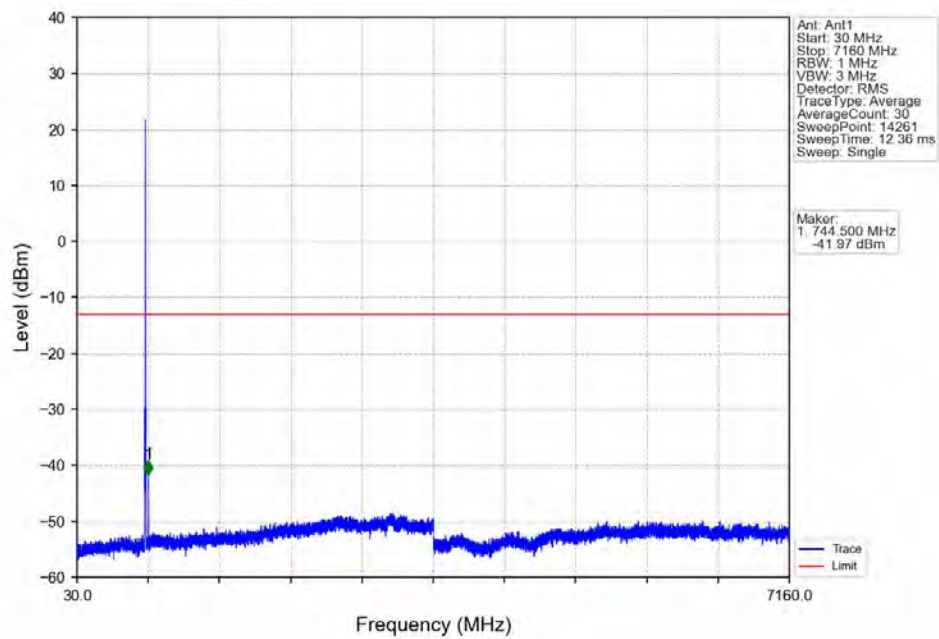
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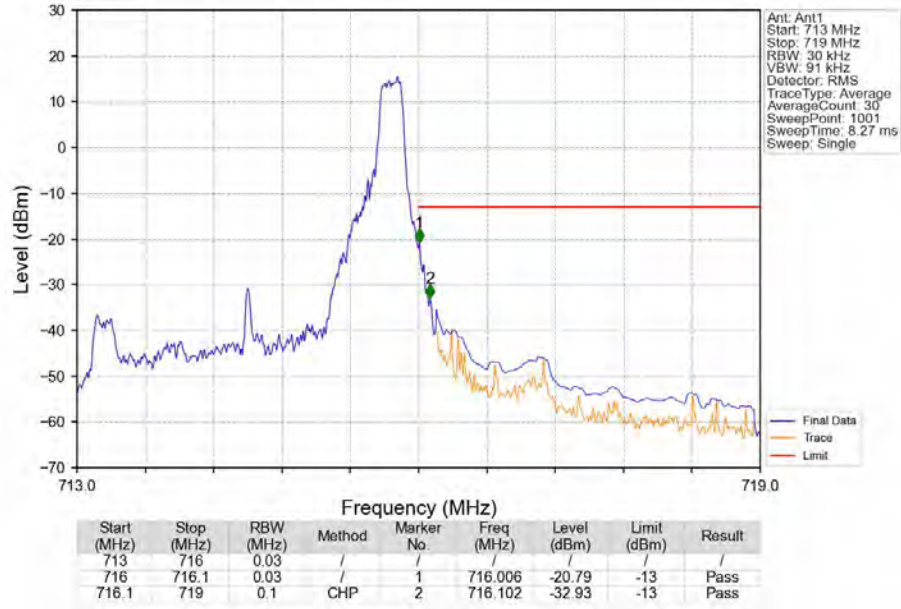
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



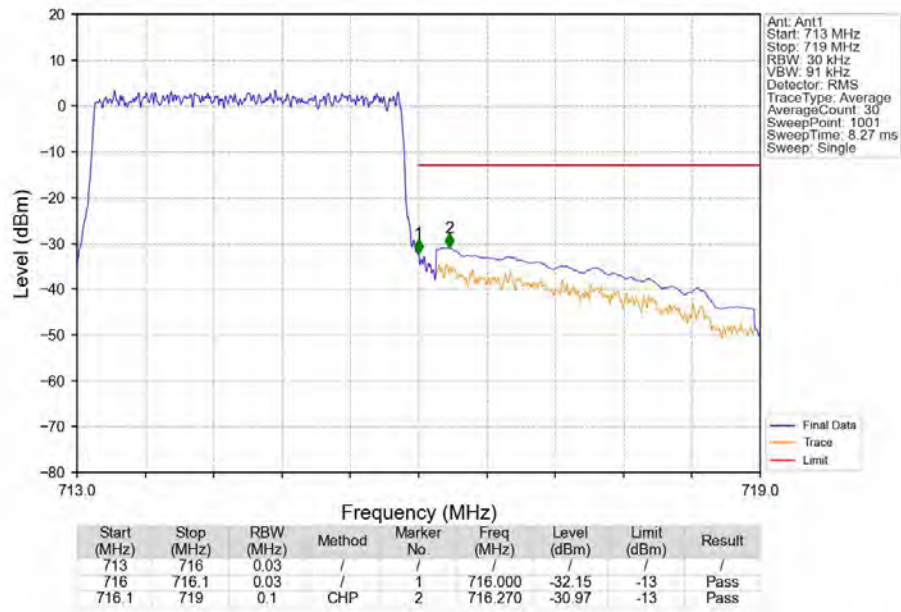
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

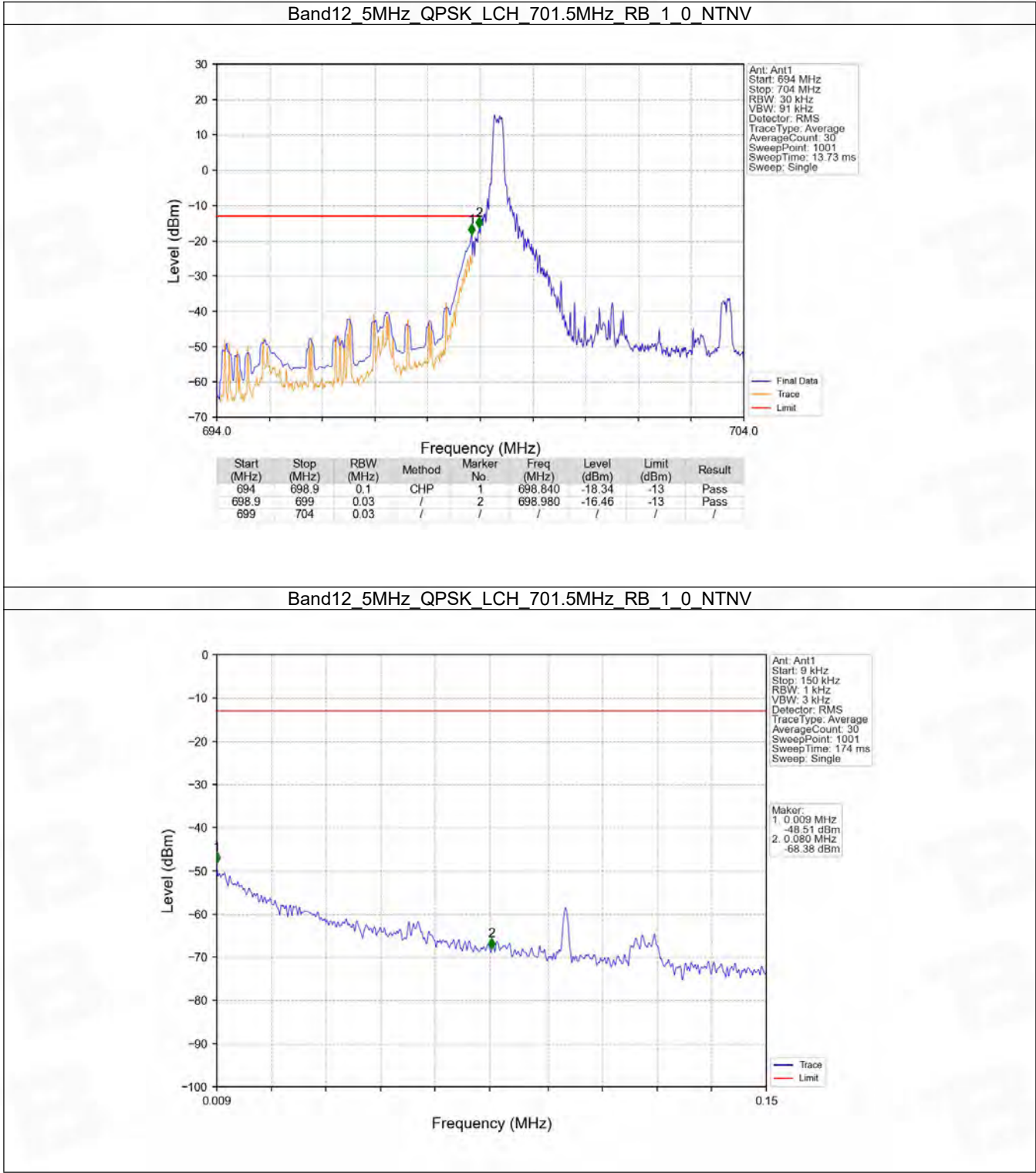


6.3 B12_5MHz

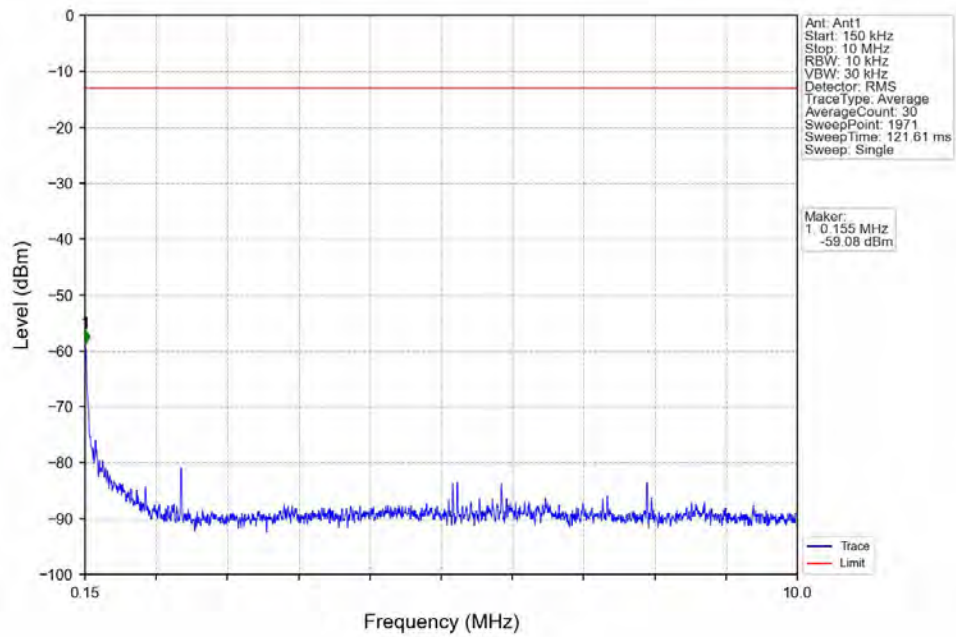
6.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTVN						
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
	707.5	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	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	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

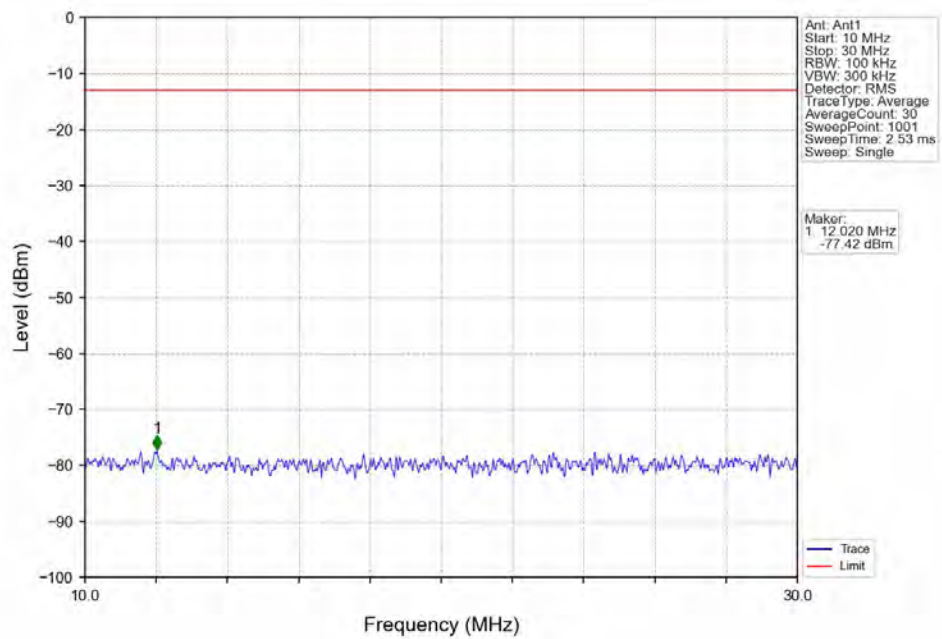
6.3.2 Test Graph



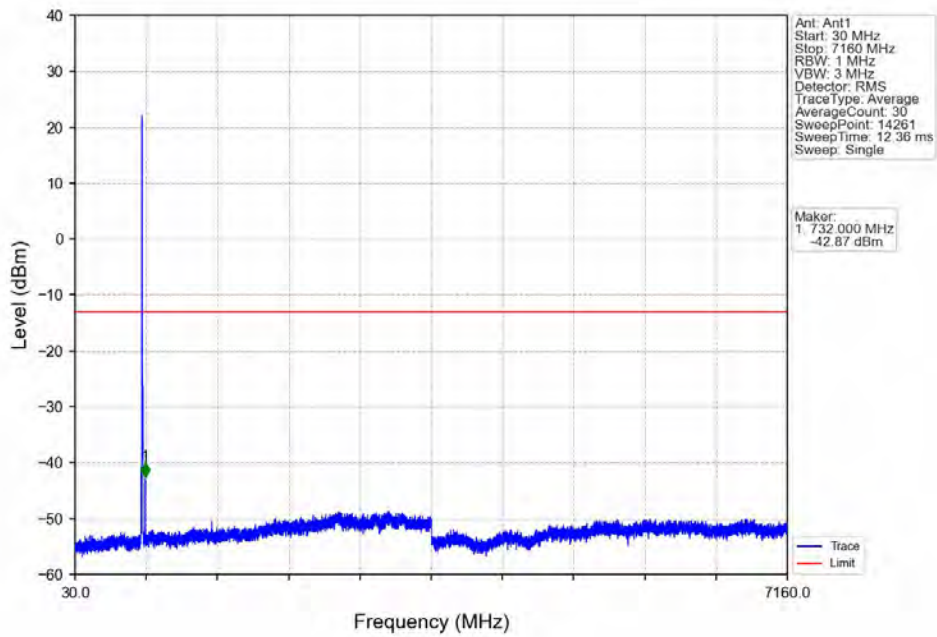
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



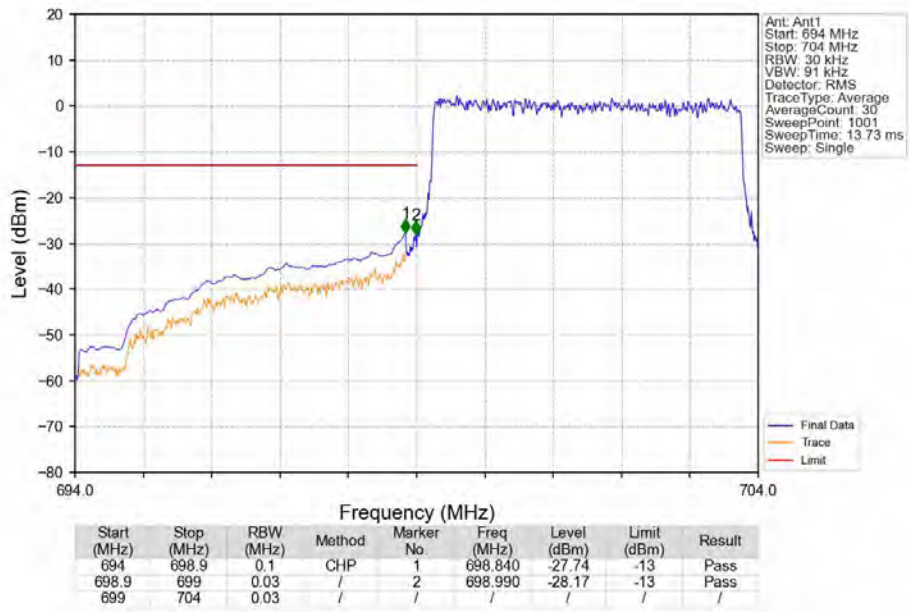
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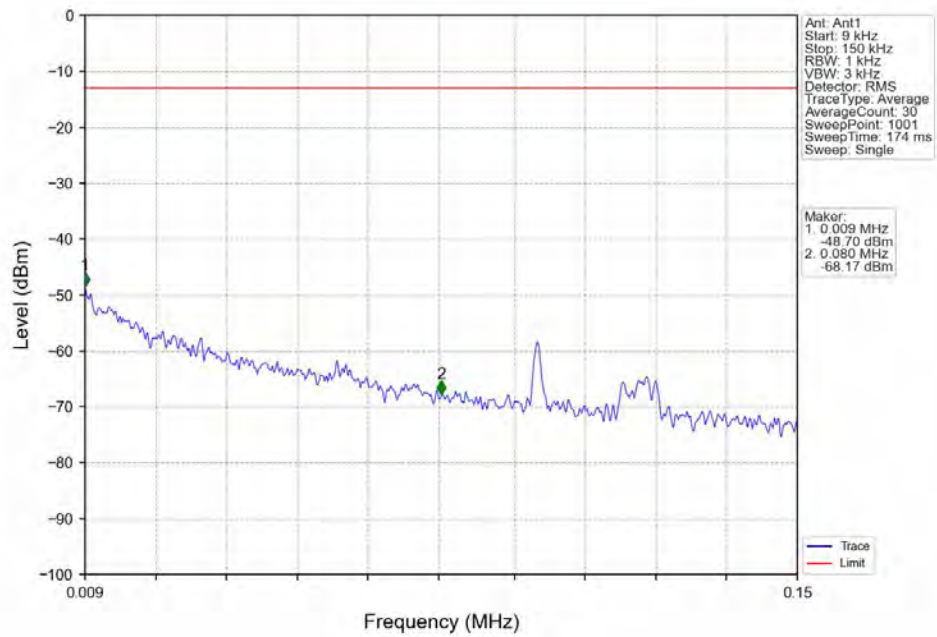
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



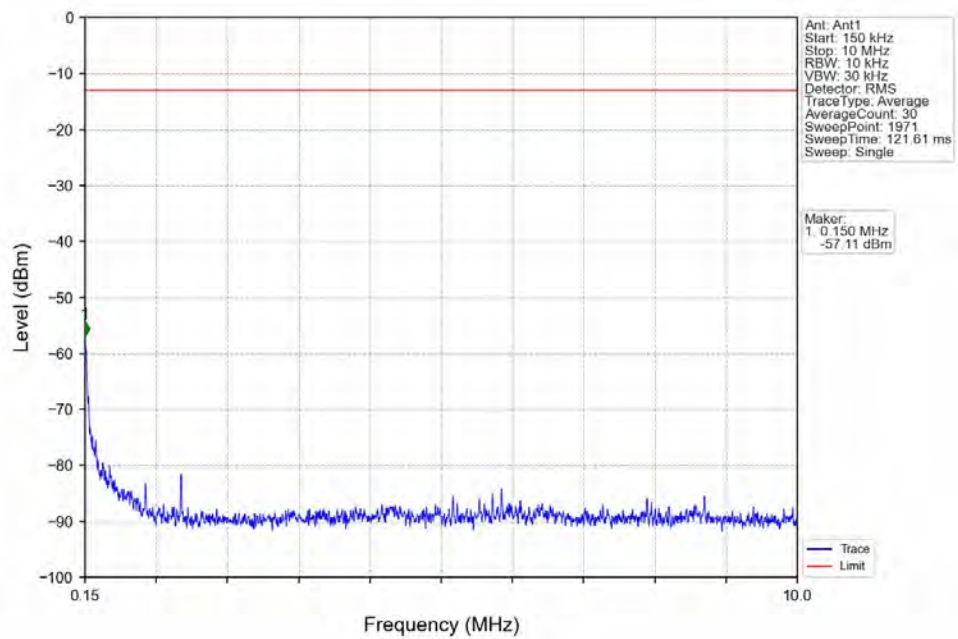
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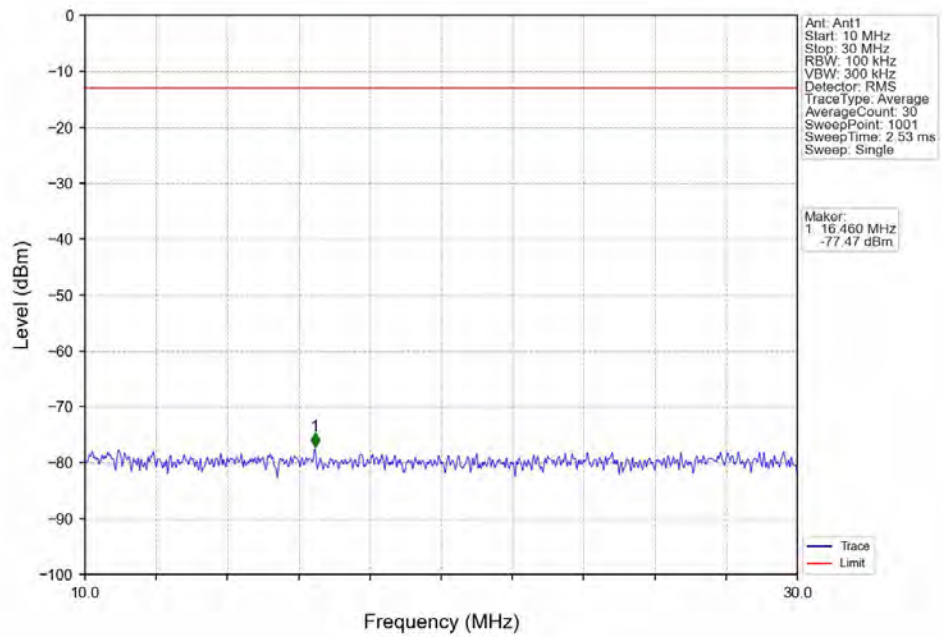
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



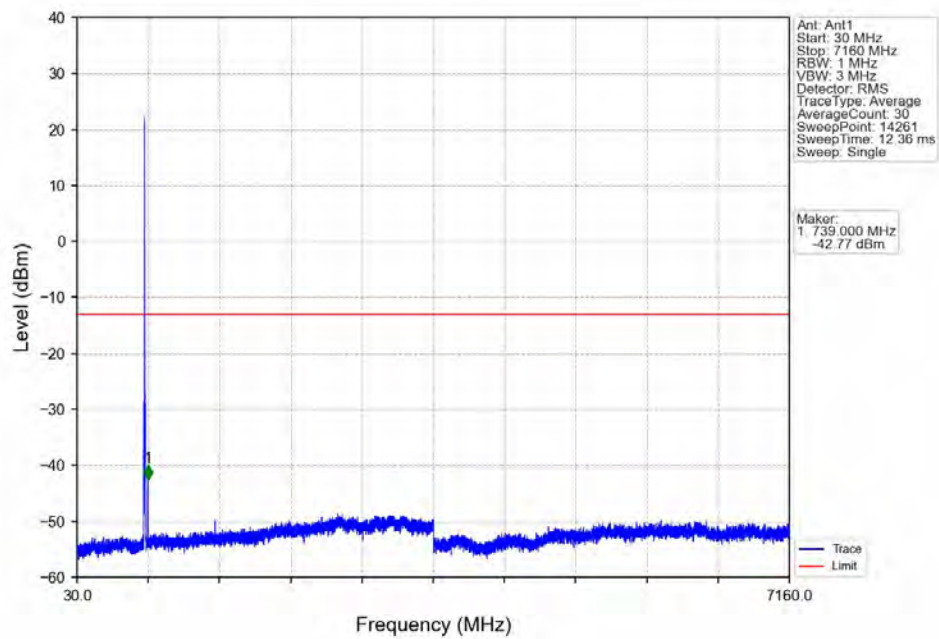
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



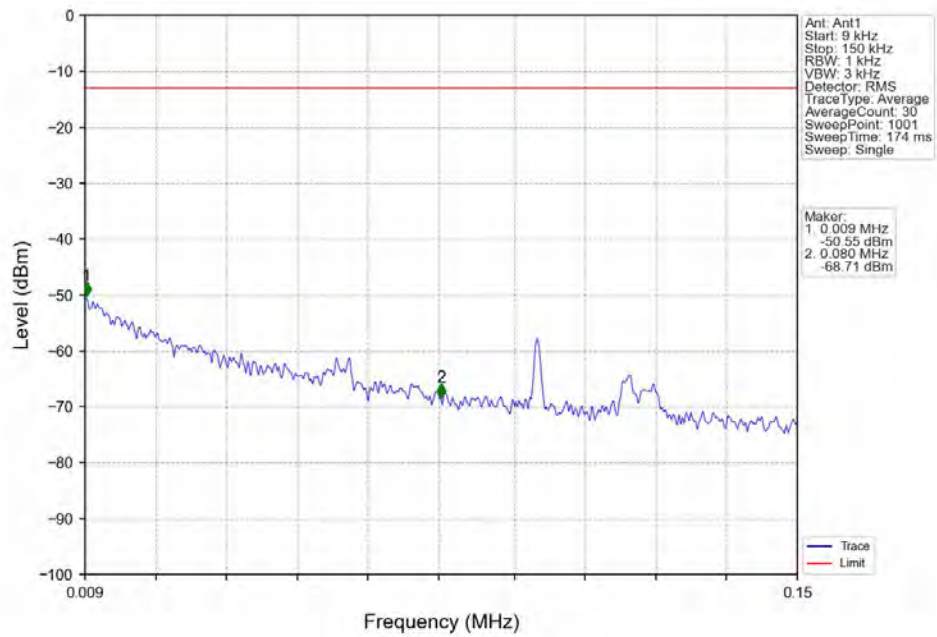
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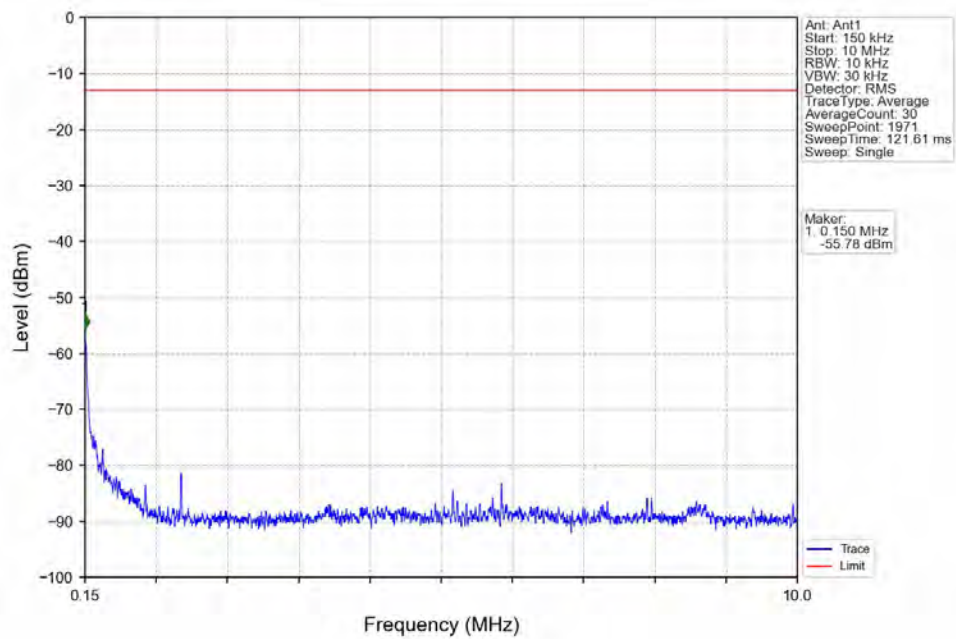
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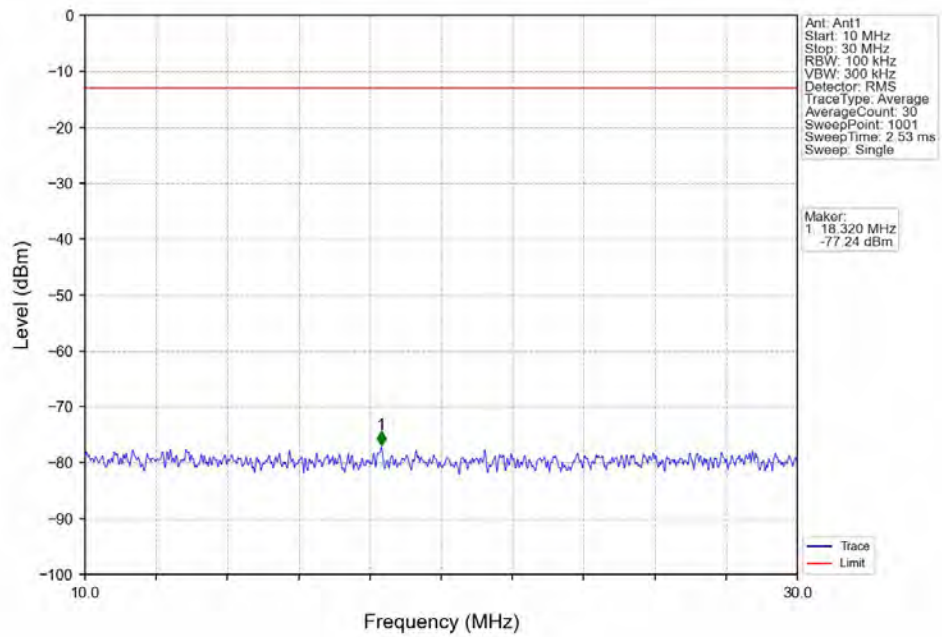
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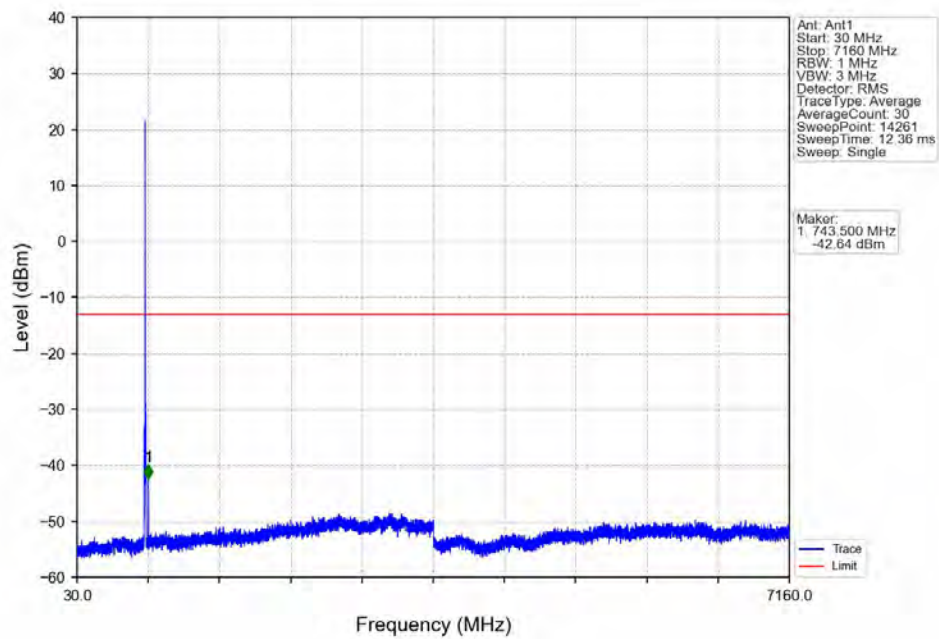
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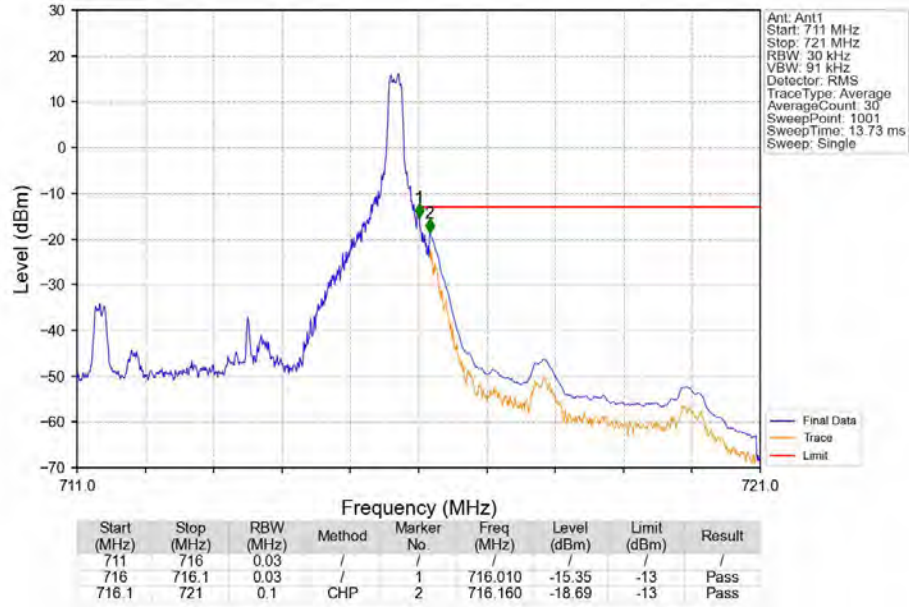
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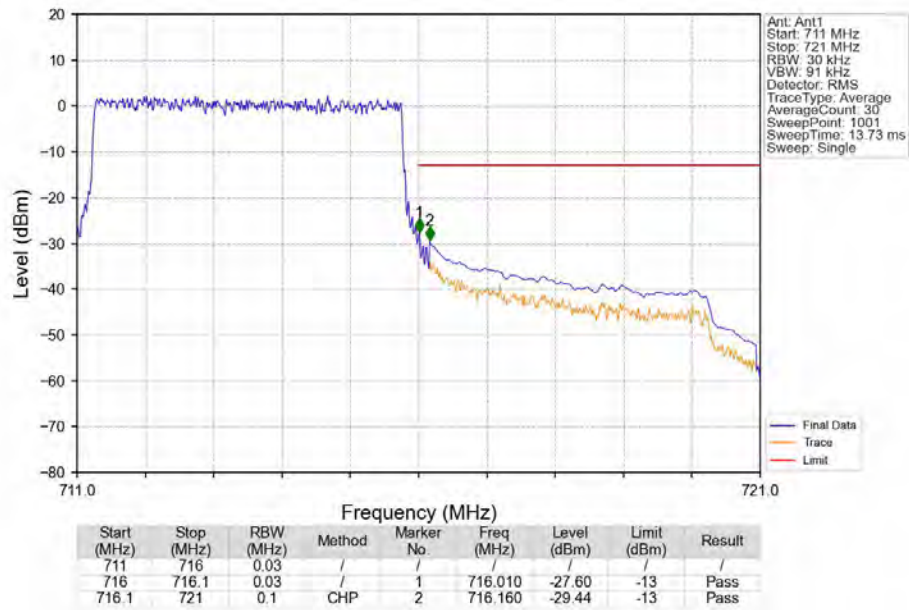
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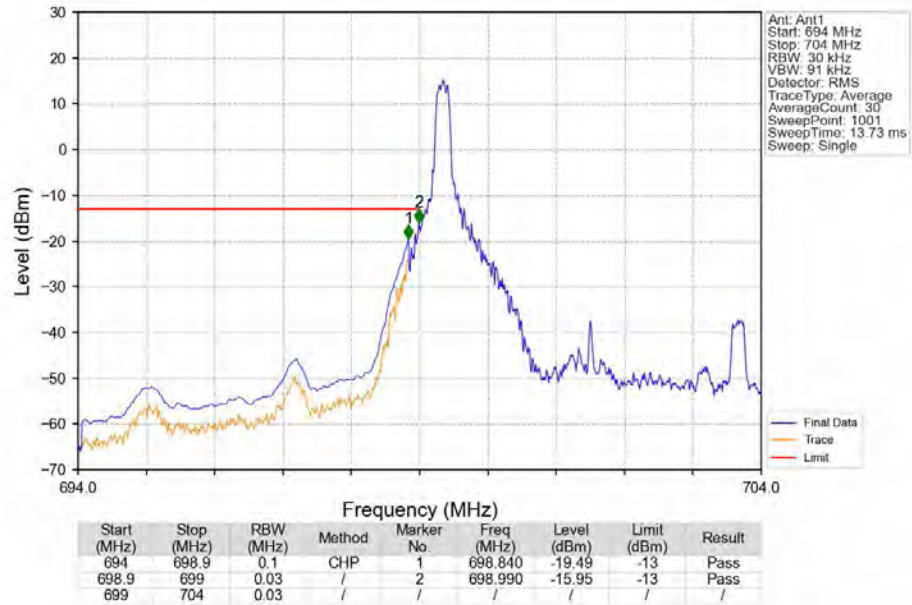
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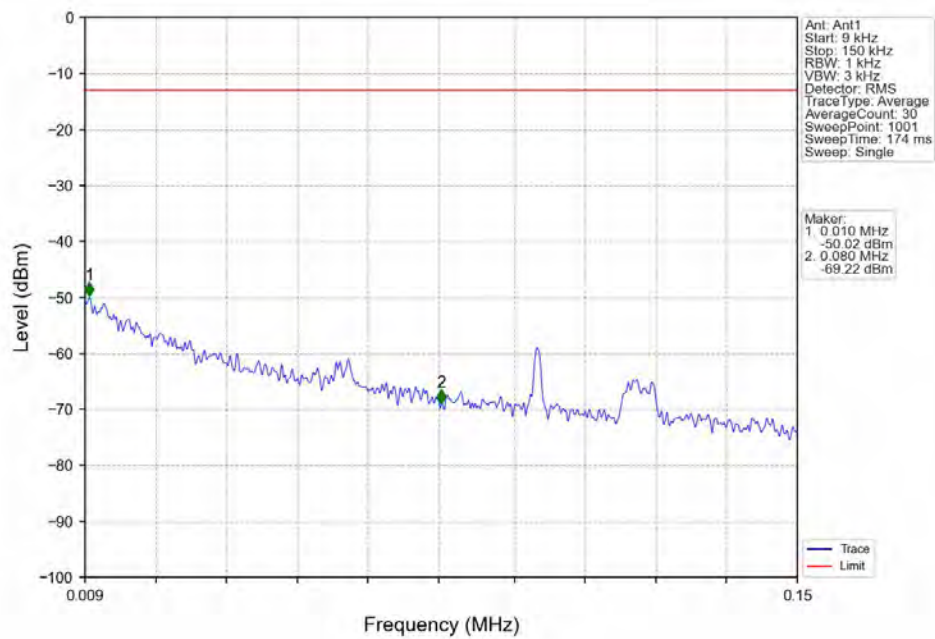
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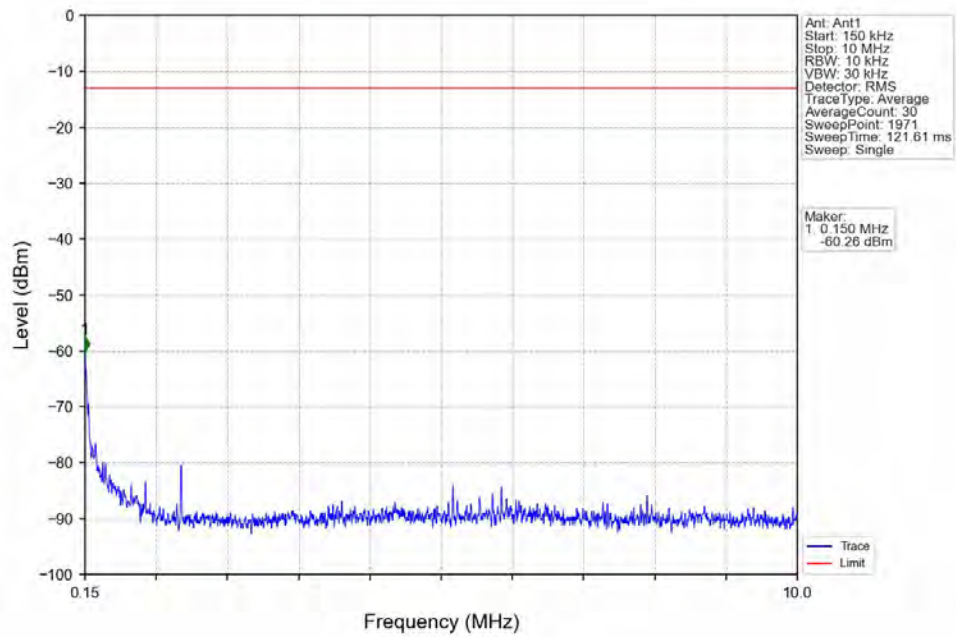
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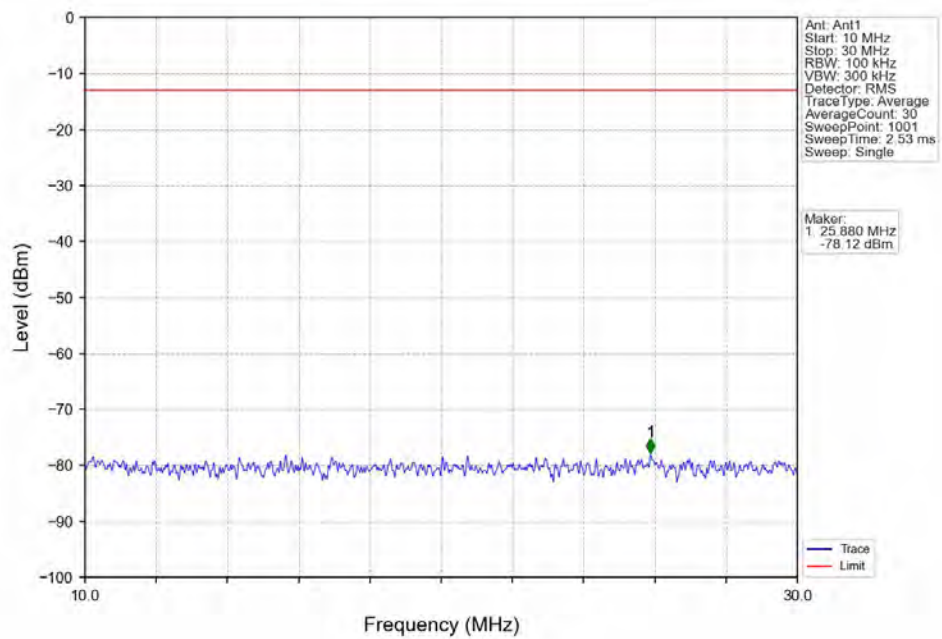
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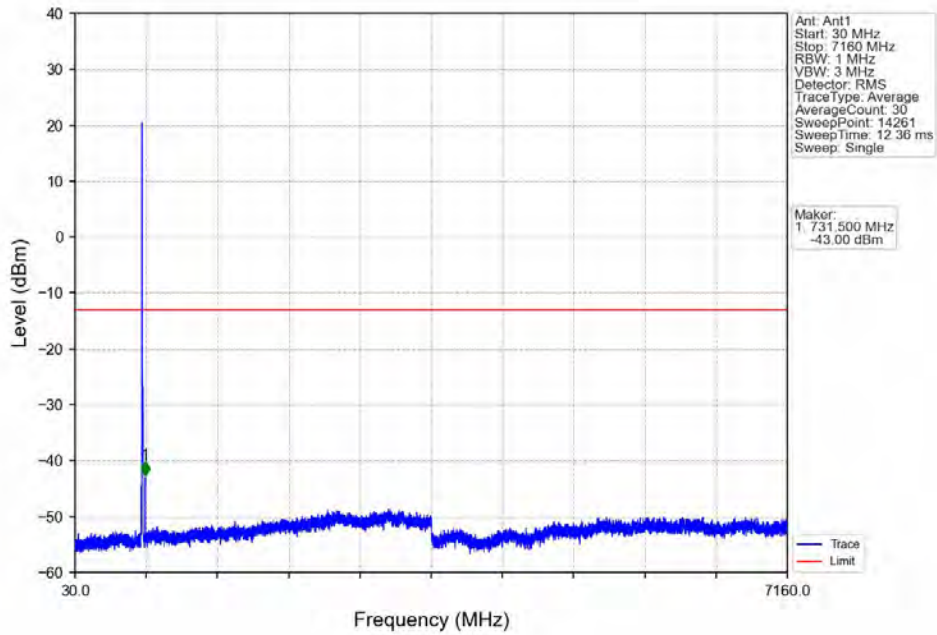
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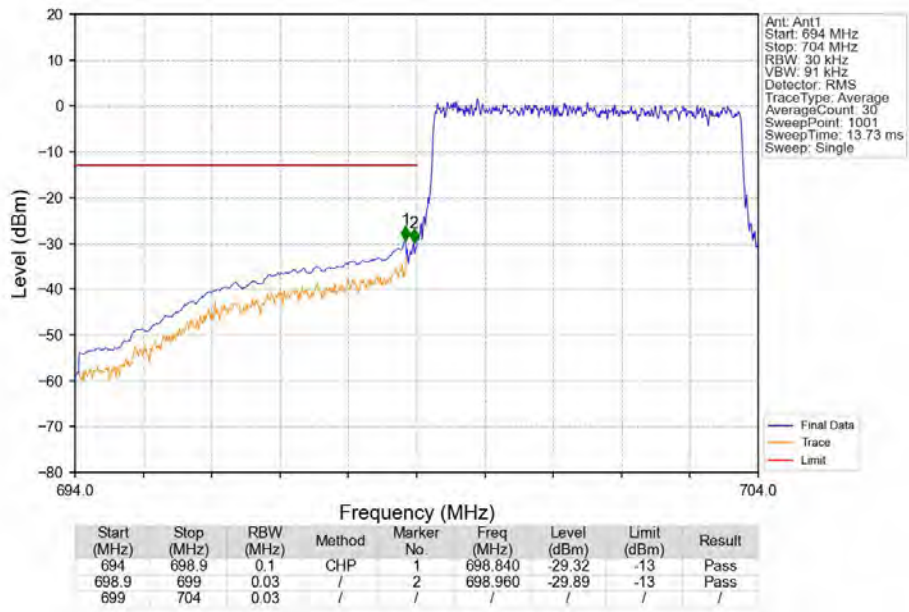
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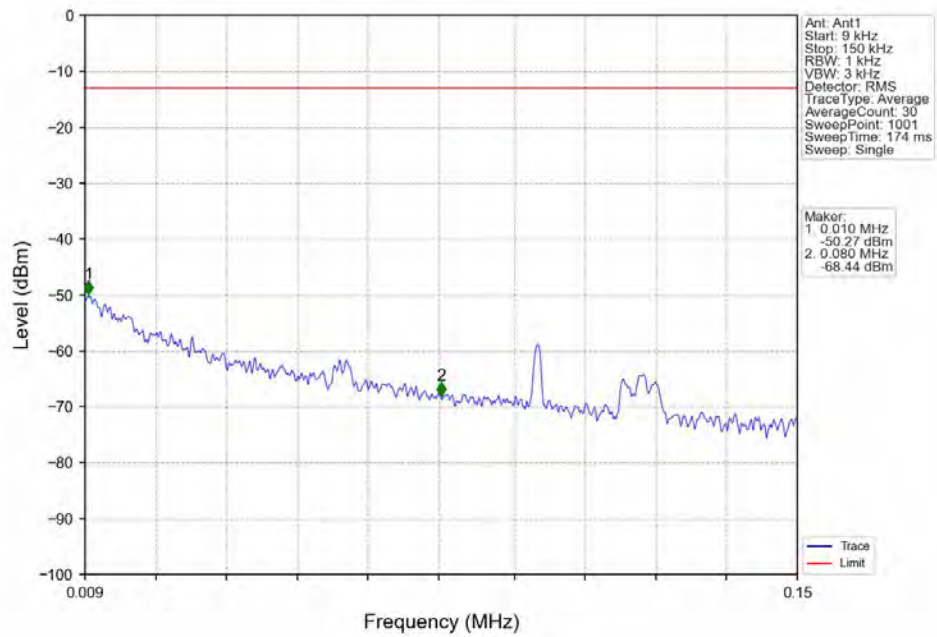
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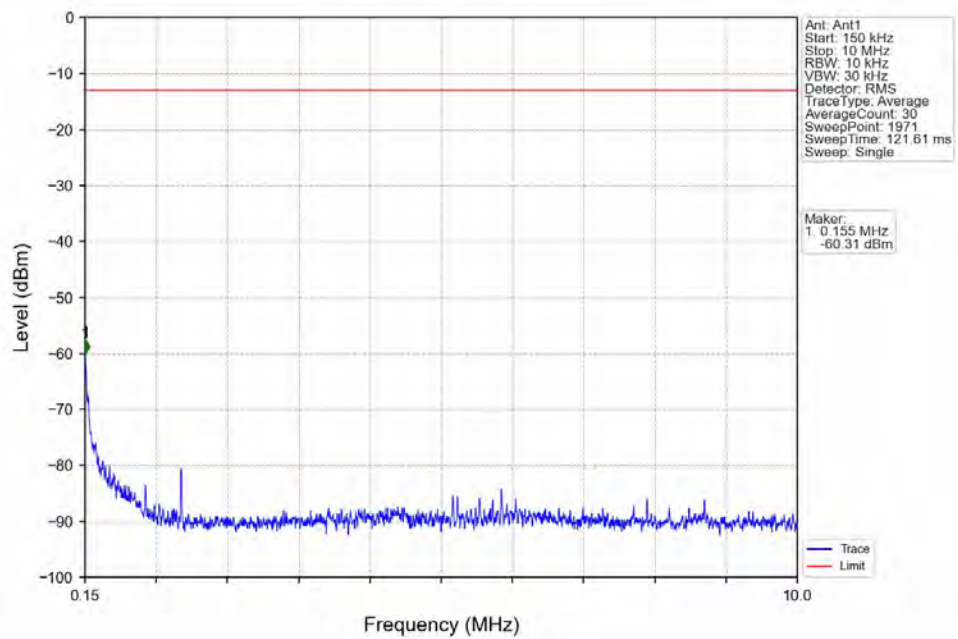
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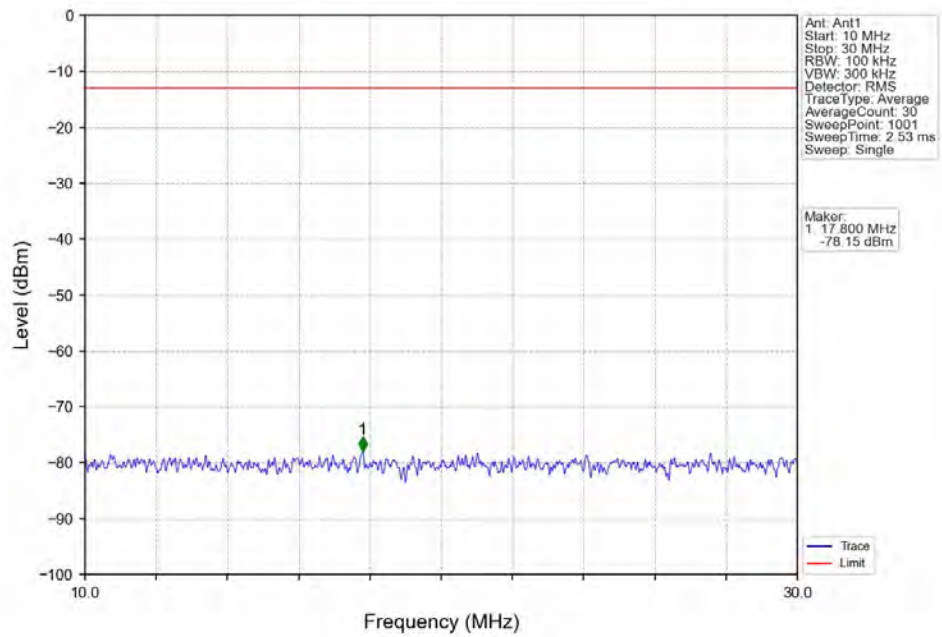
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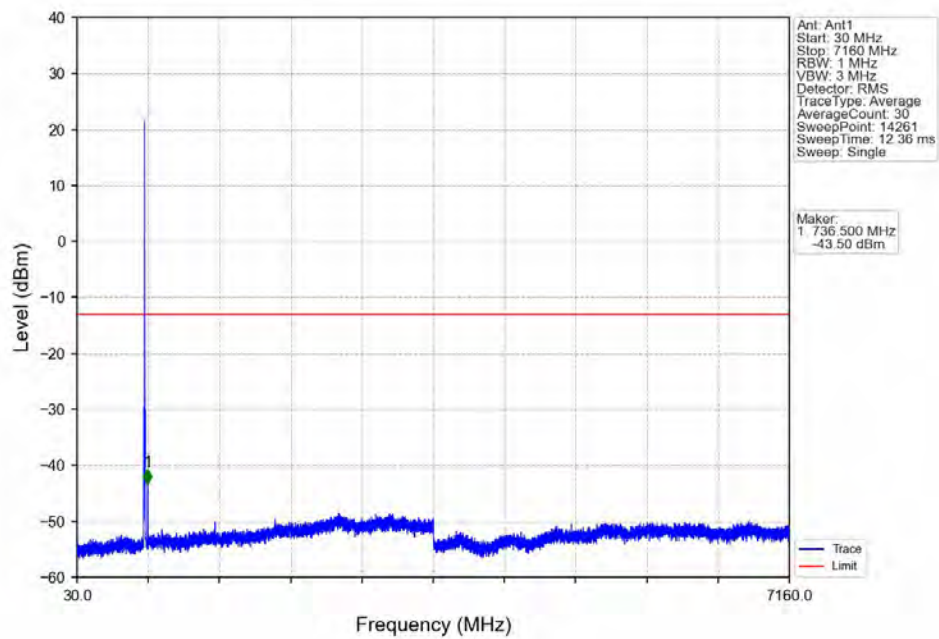
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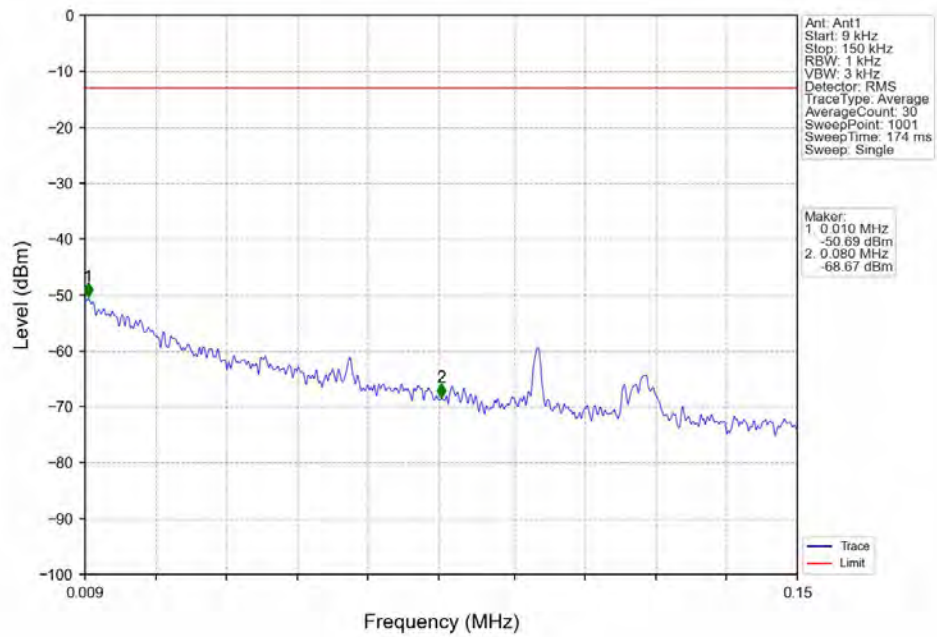
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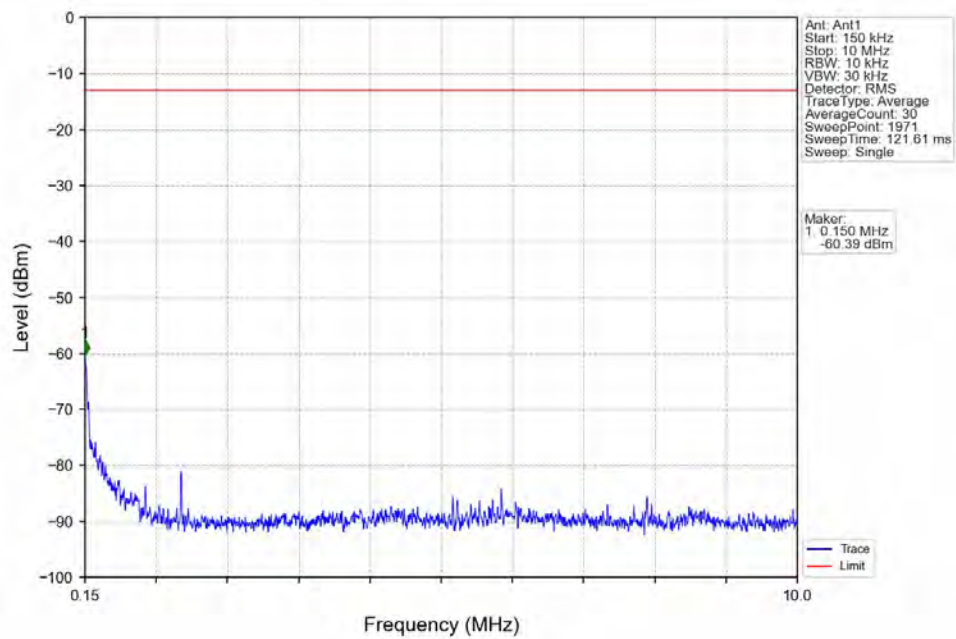
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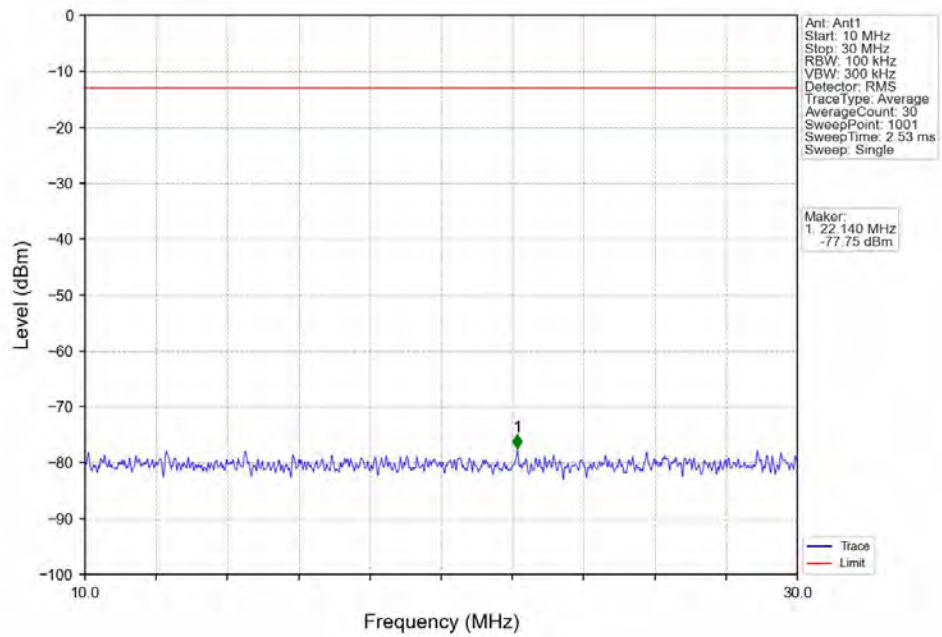
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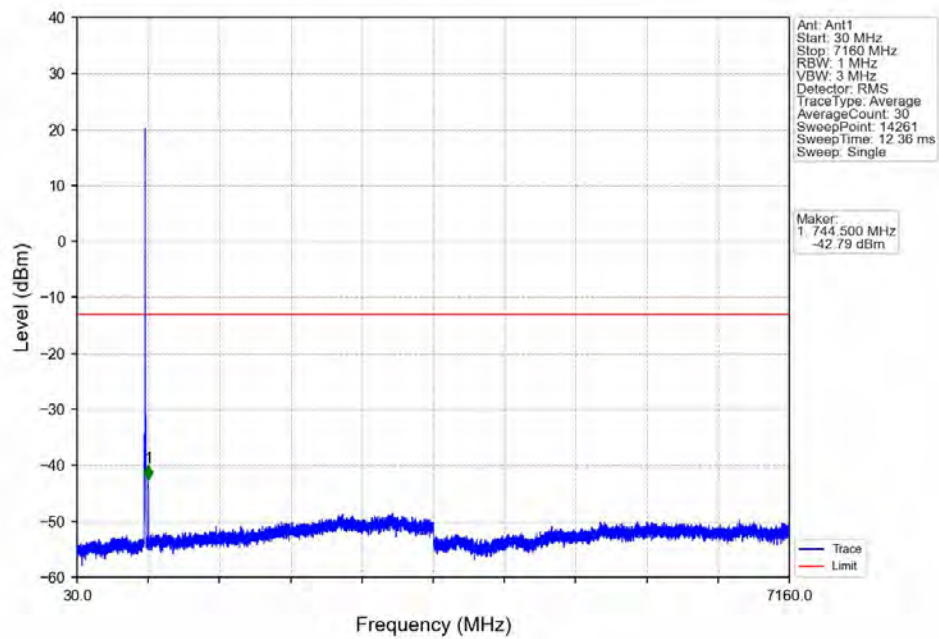
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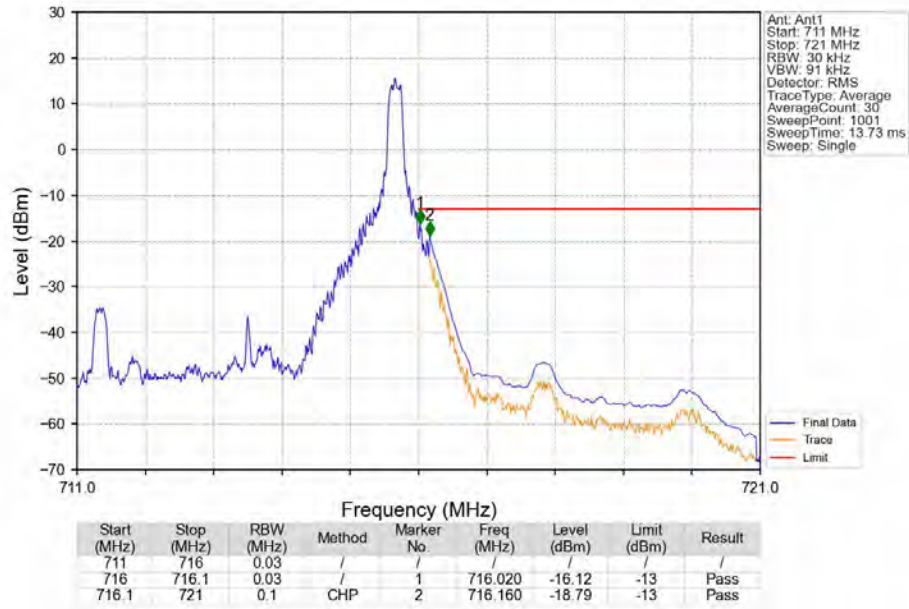
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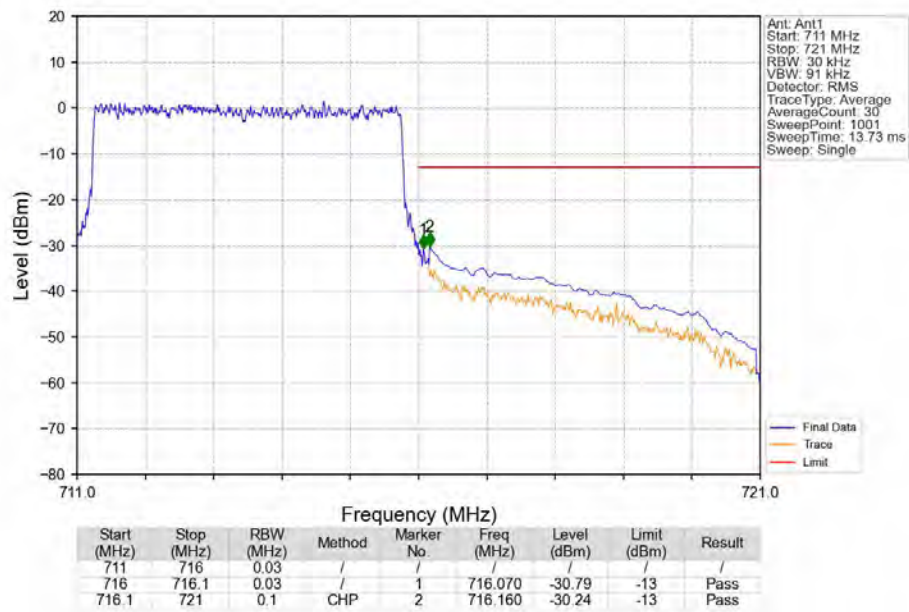
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

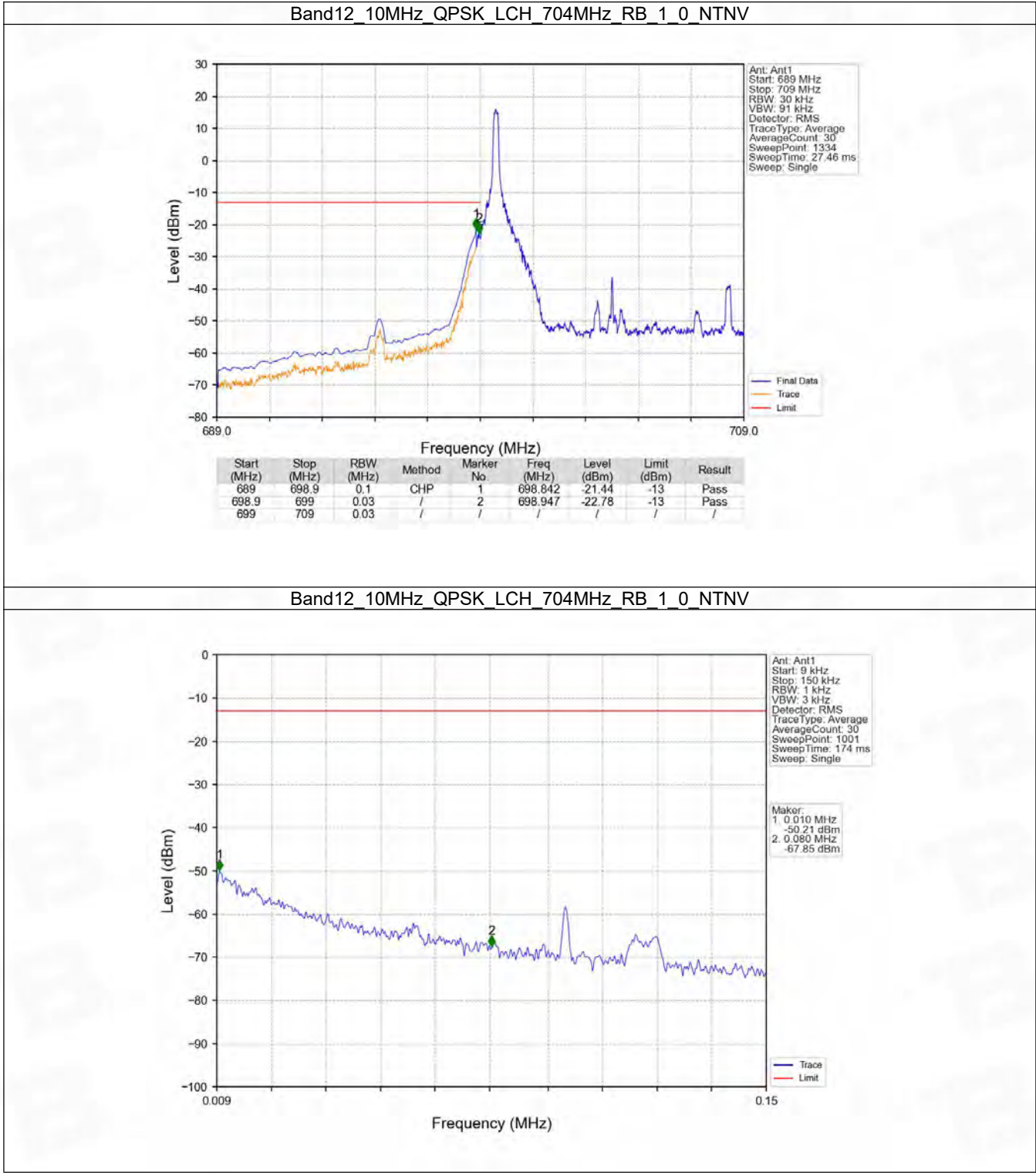


6.4 B12_10MHz

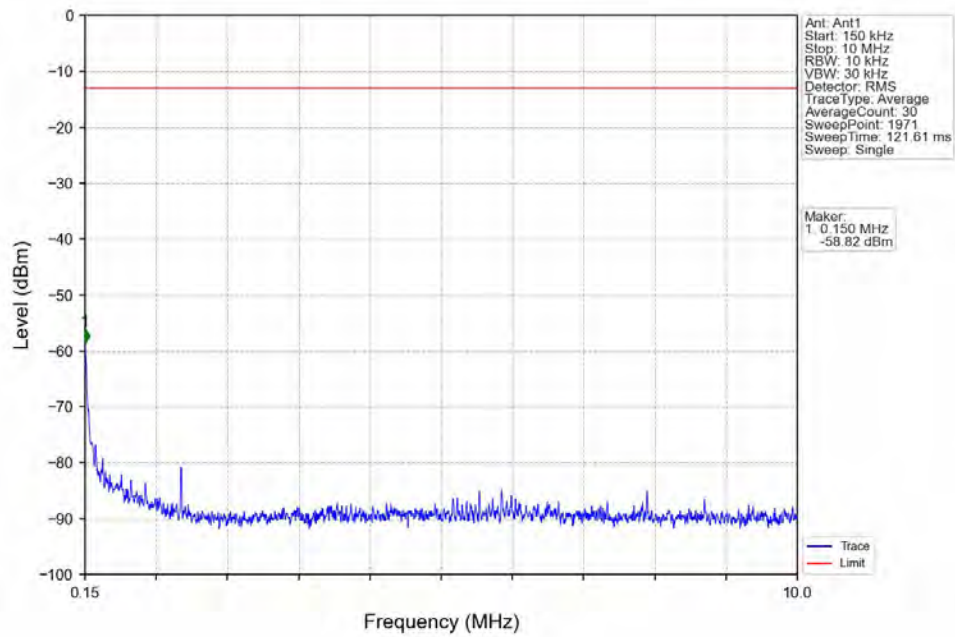
6.4.1 Test Result

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	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	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

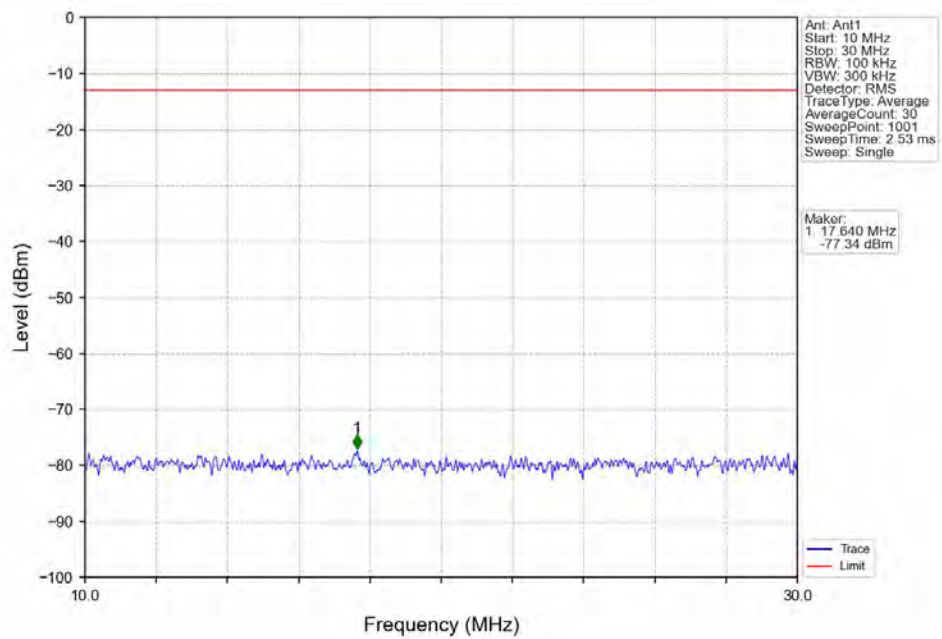
6.4.2 Test Graph



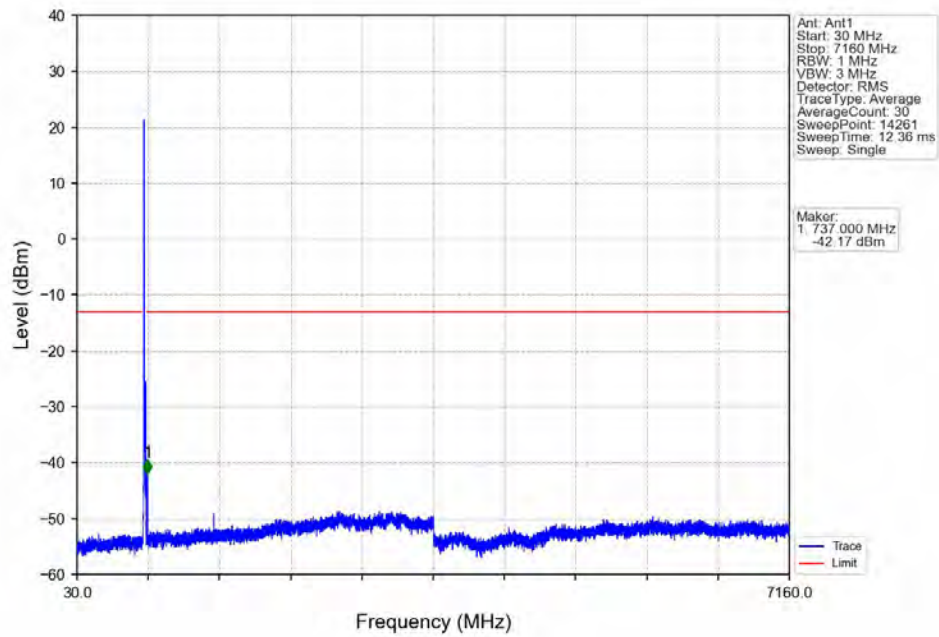
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



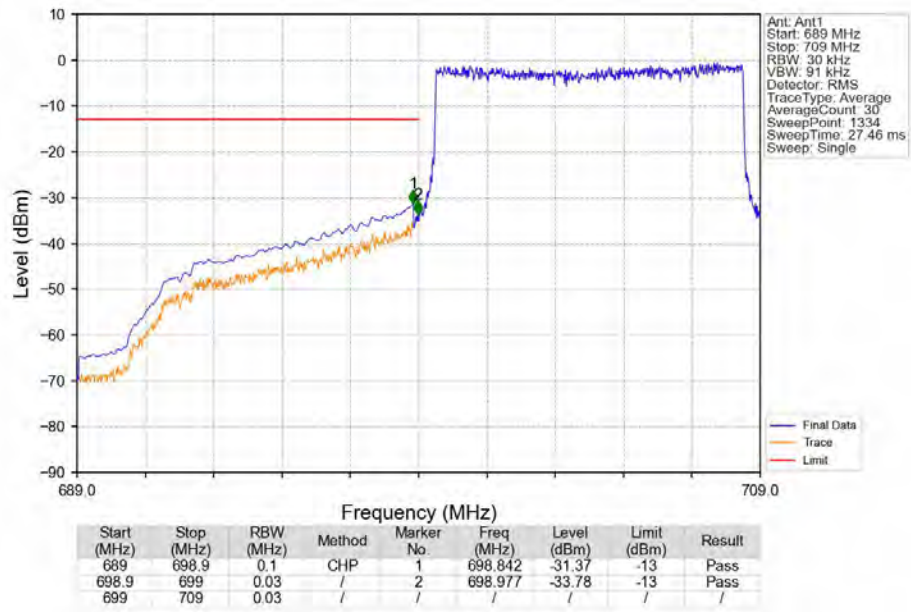
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



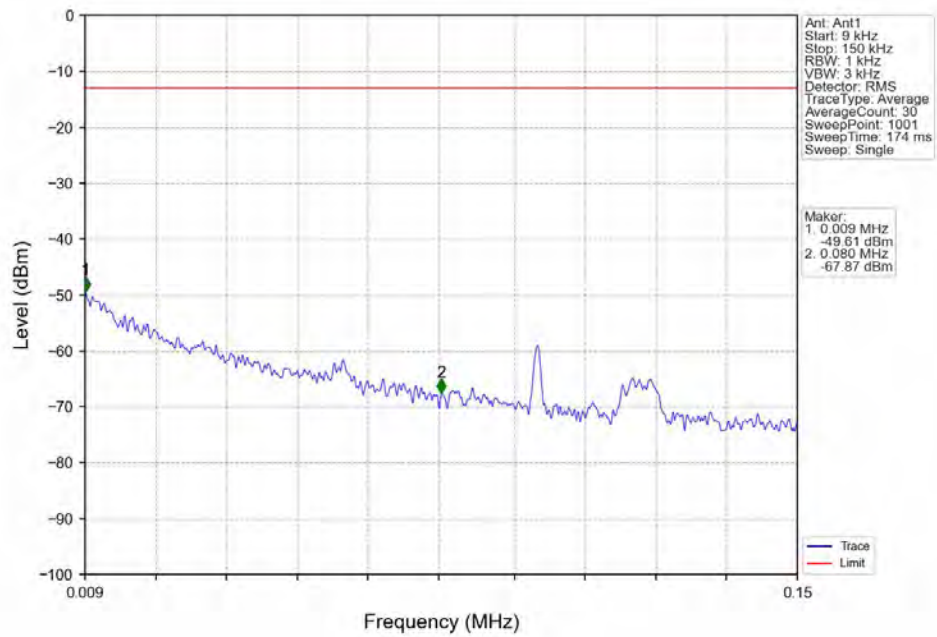
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



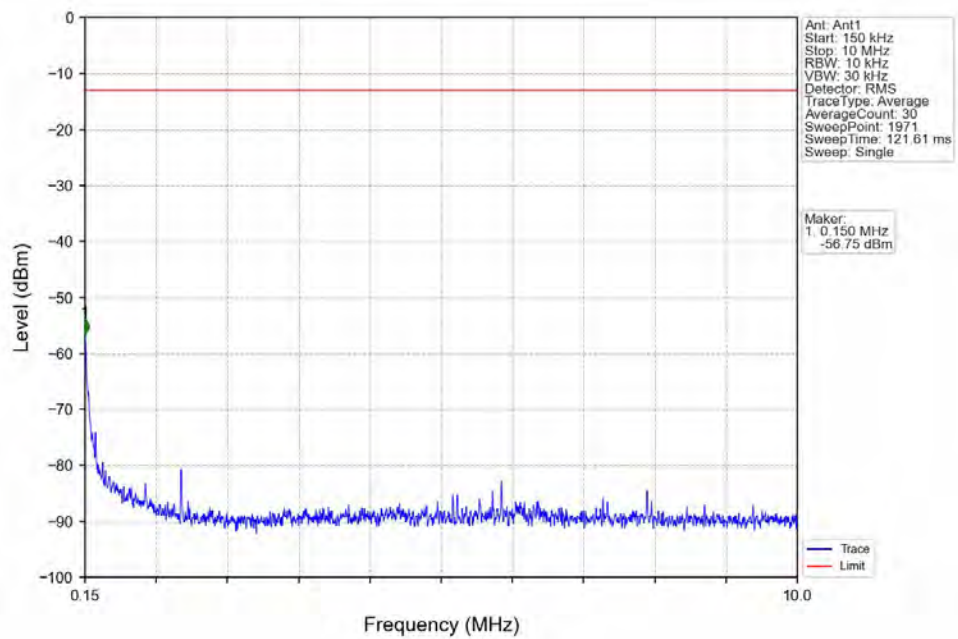
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



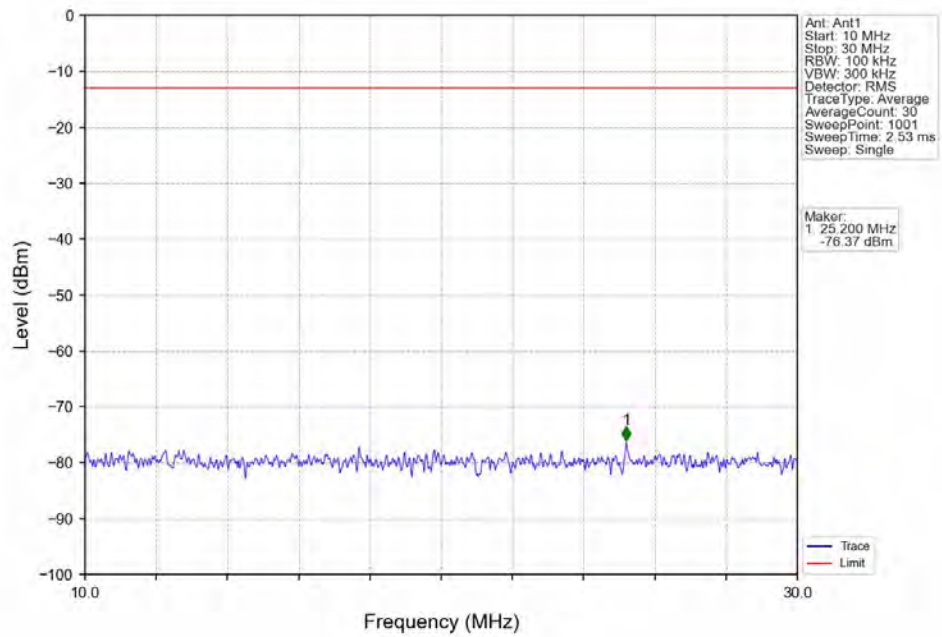
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



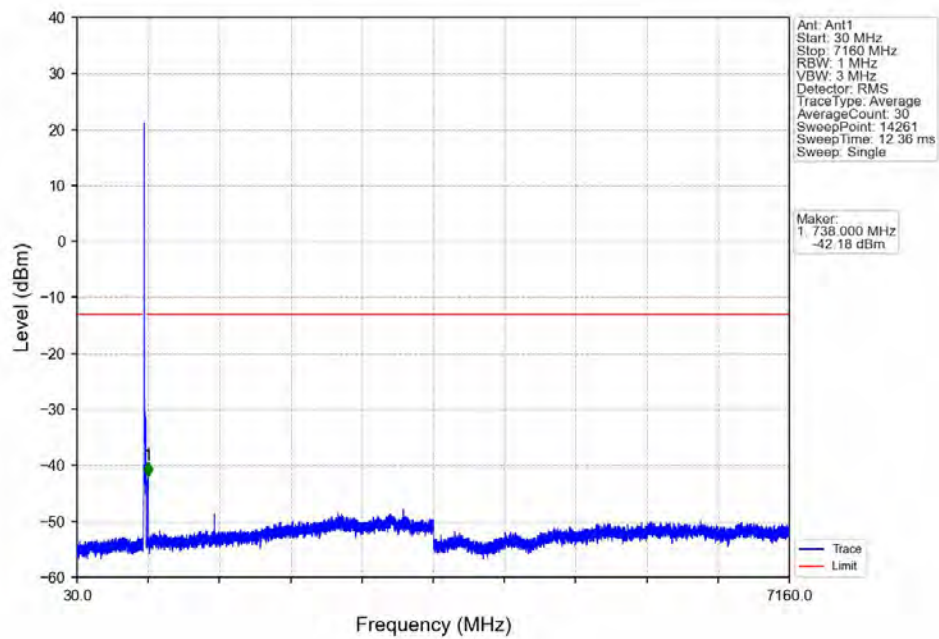
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



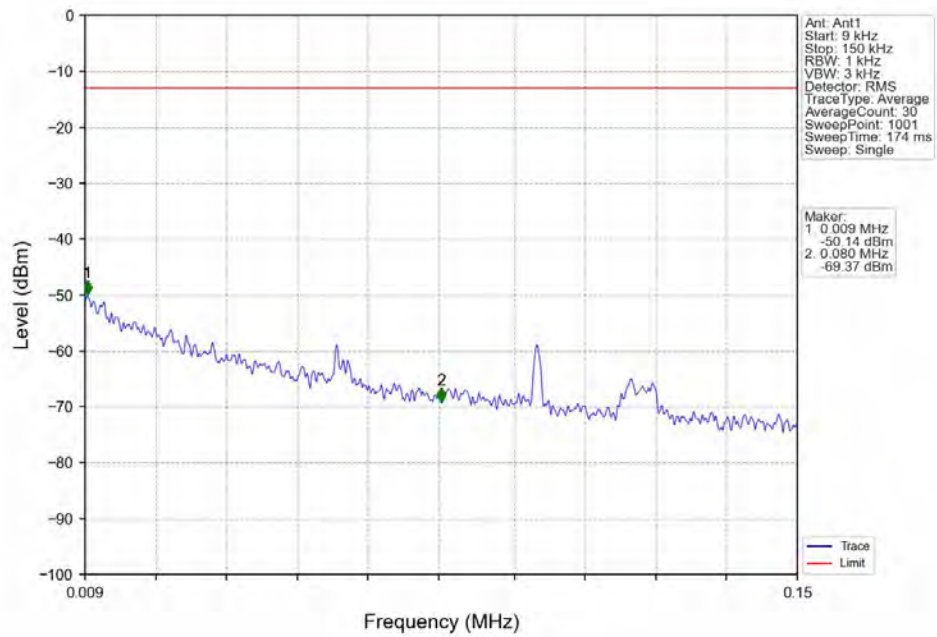
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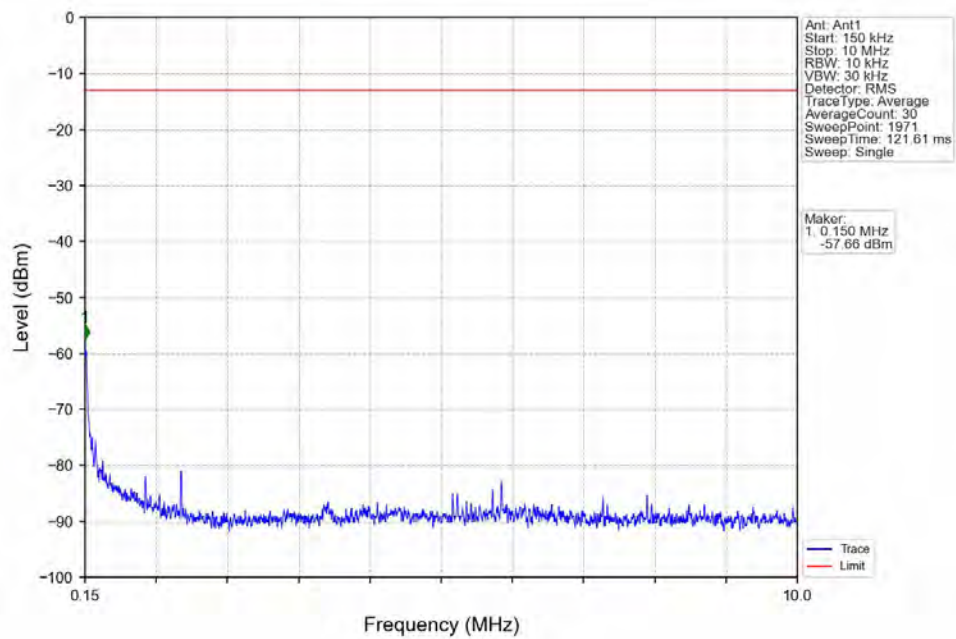
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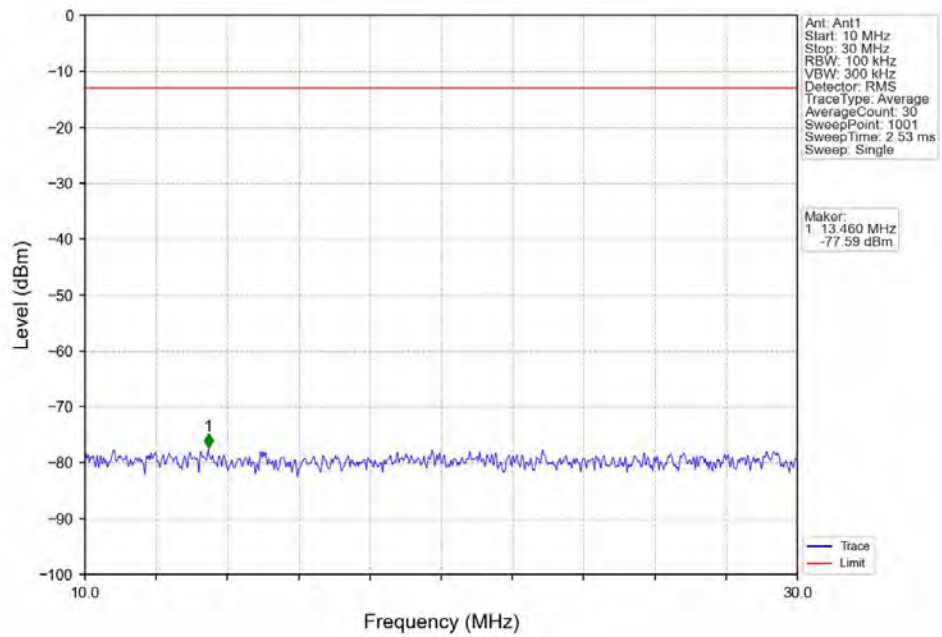
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



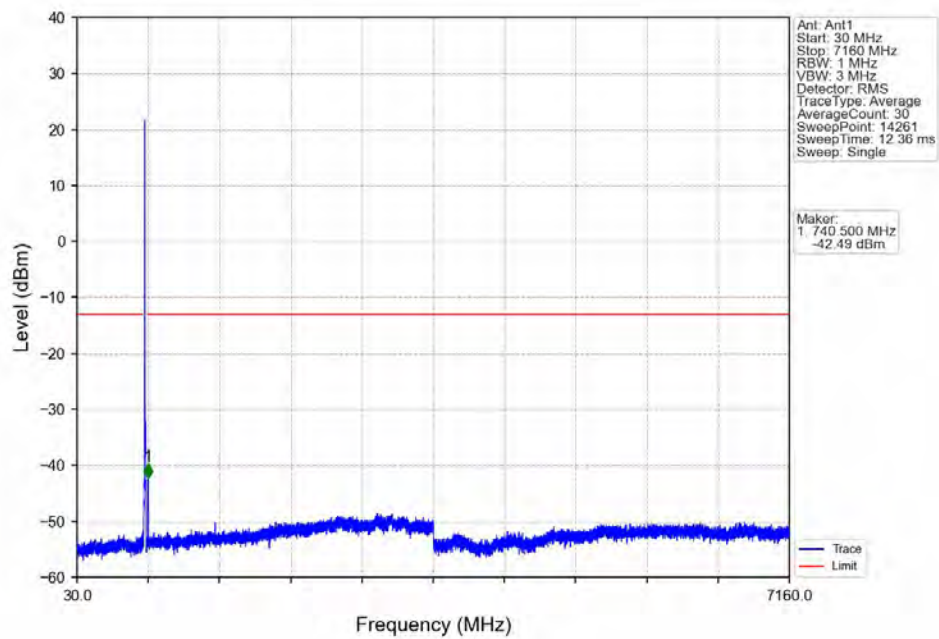
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



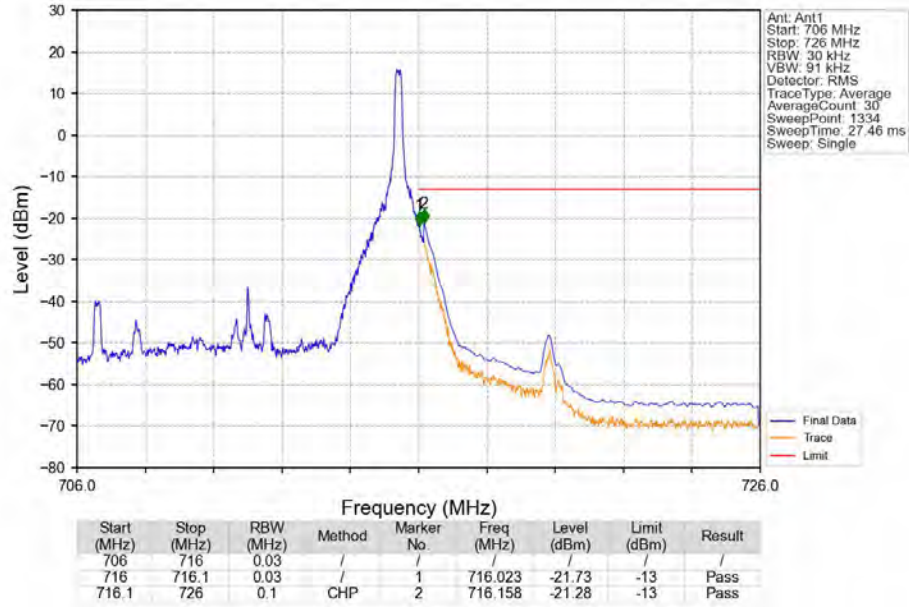
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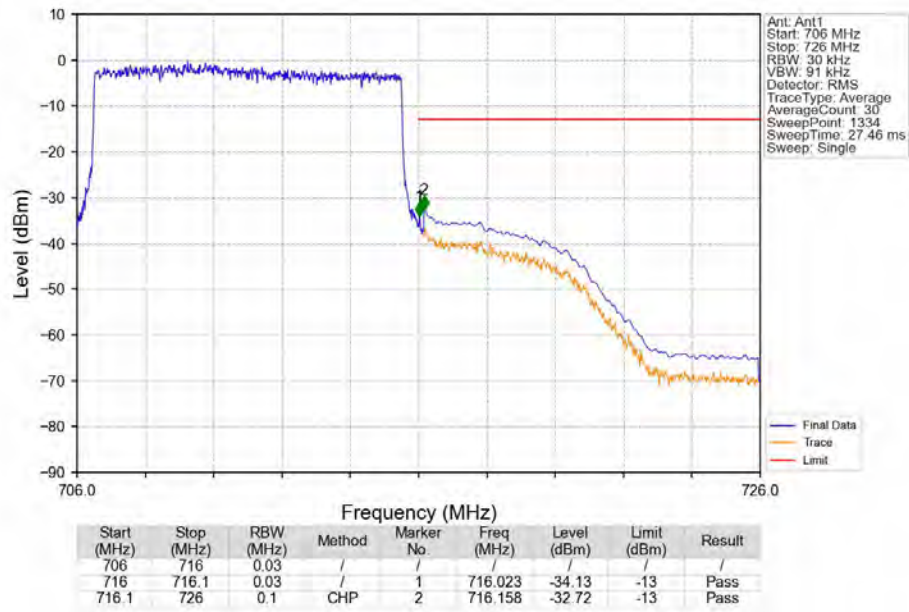
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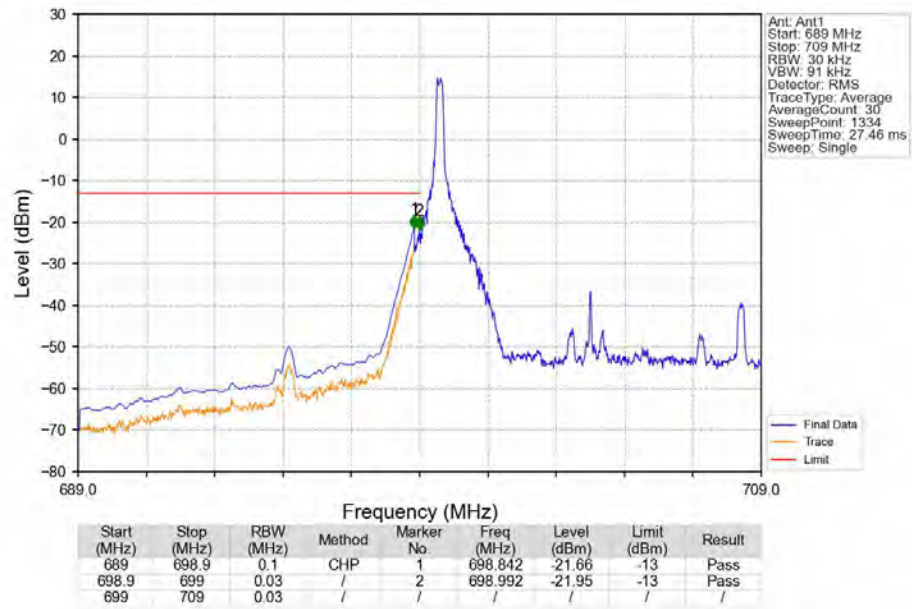
Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



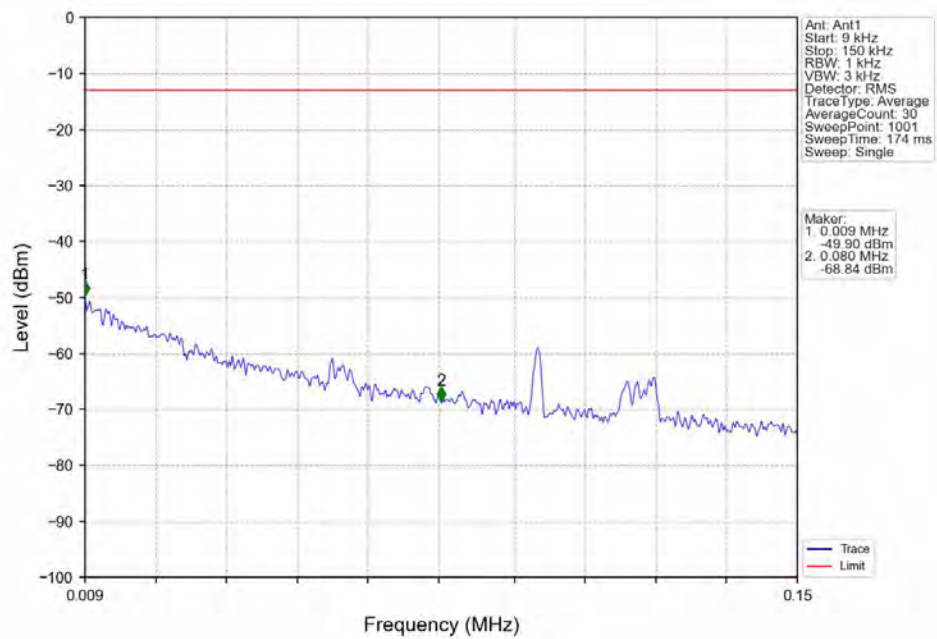
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



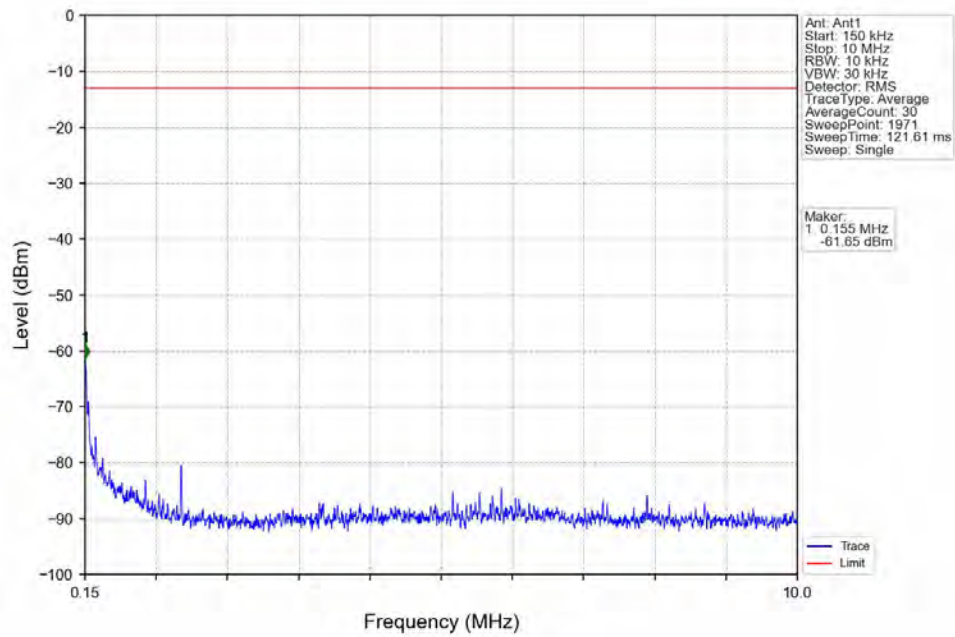
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



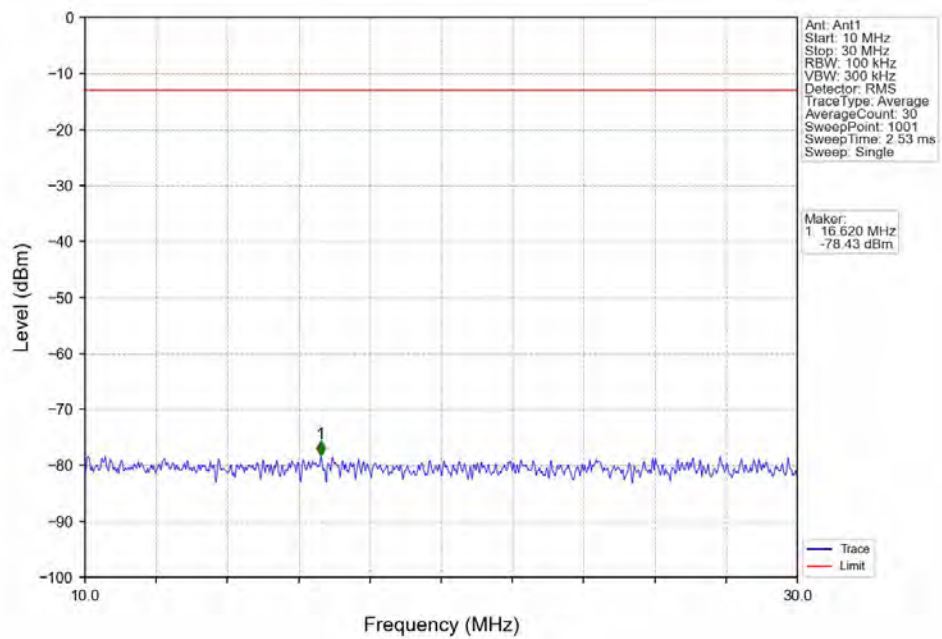
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



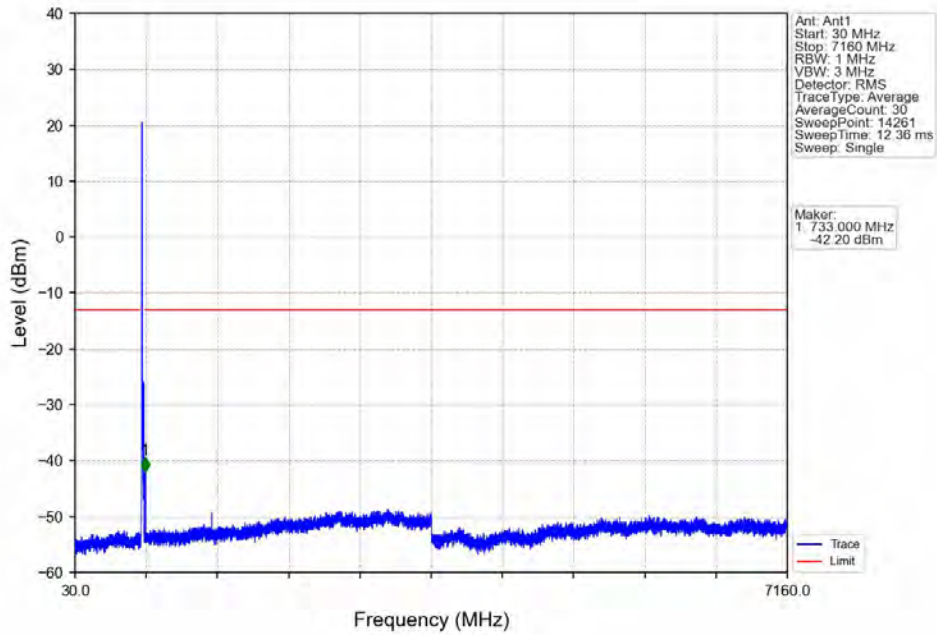
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



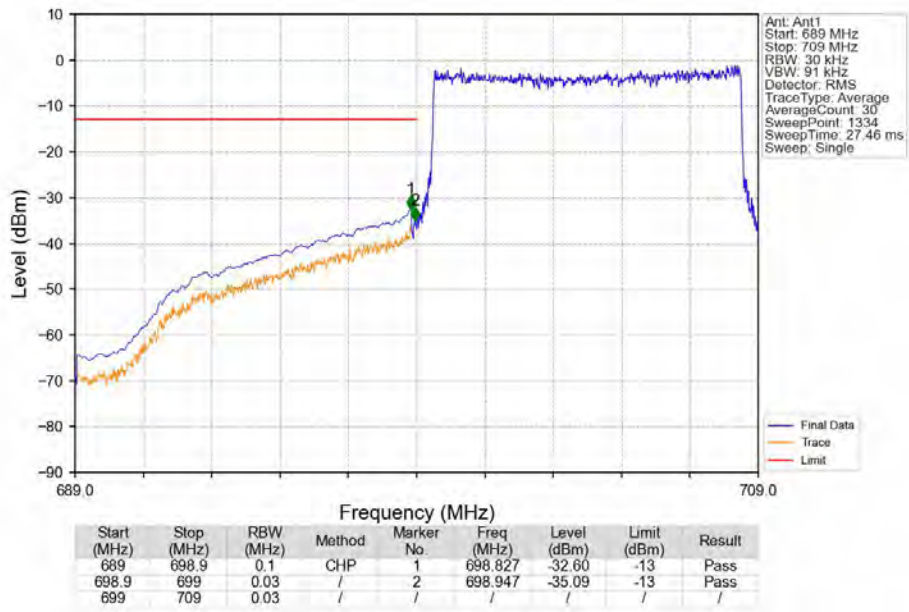
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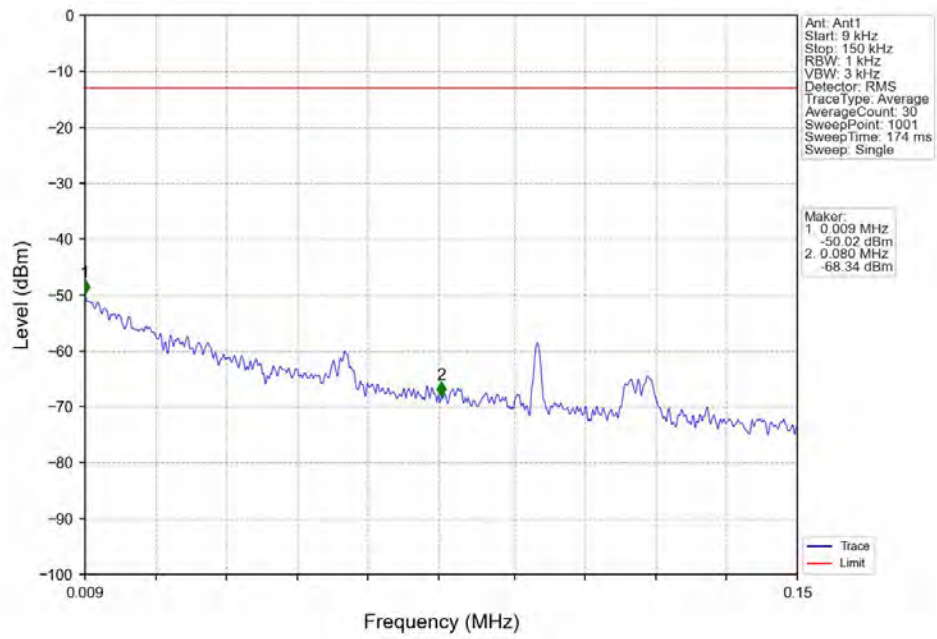
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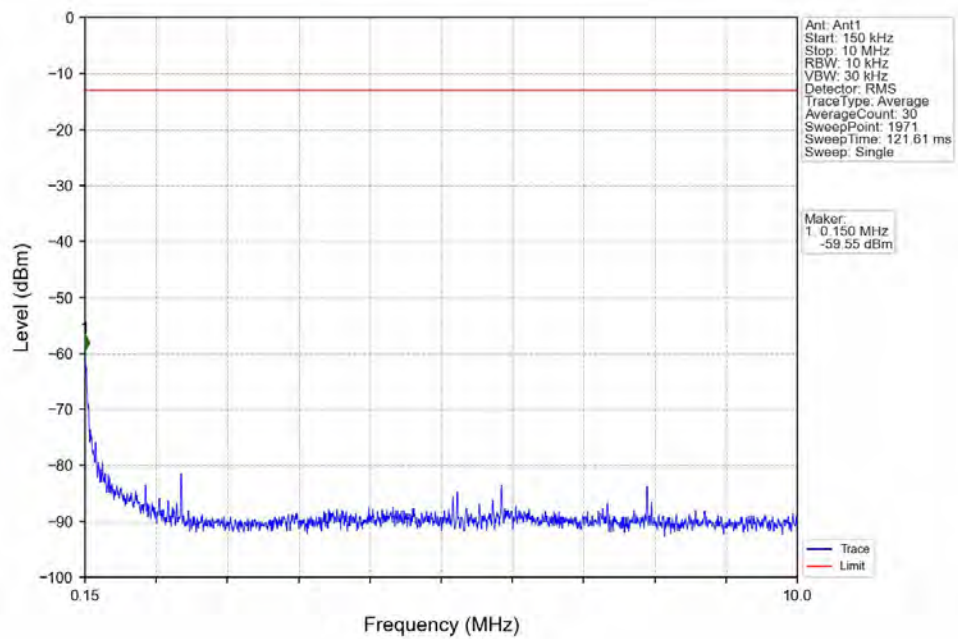
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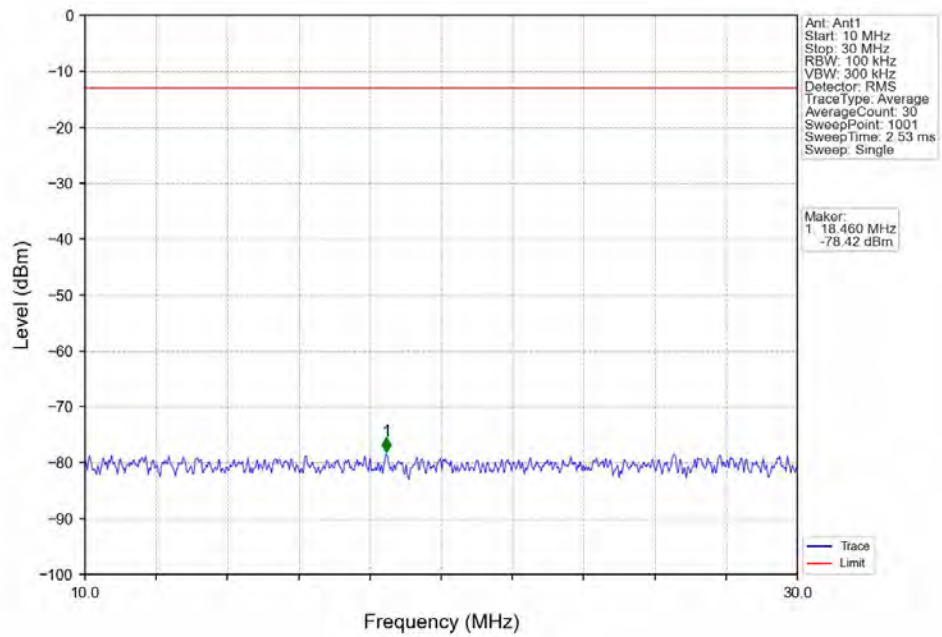
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



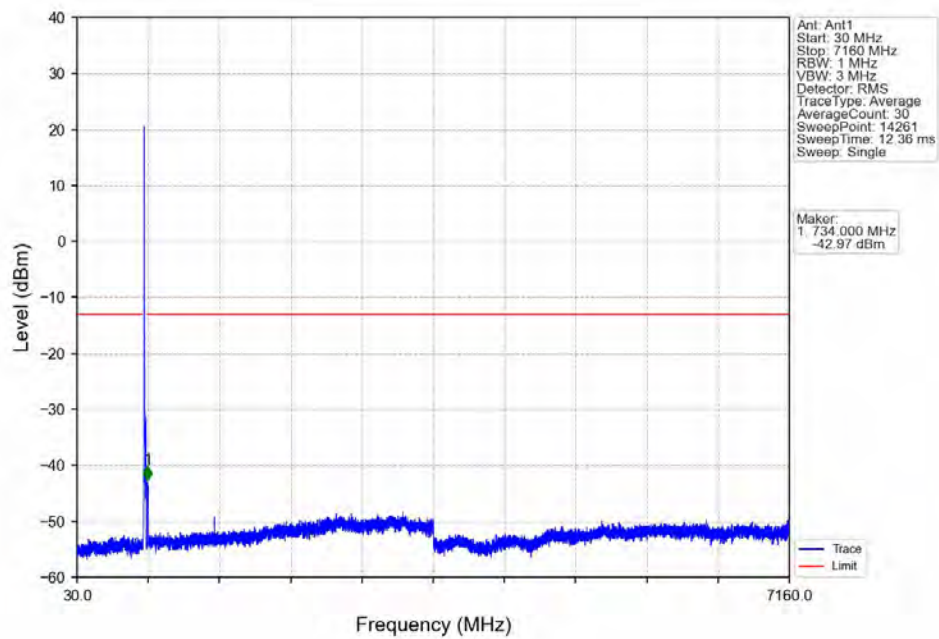
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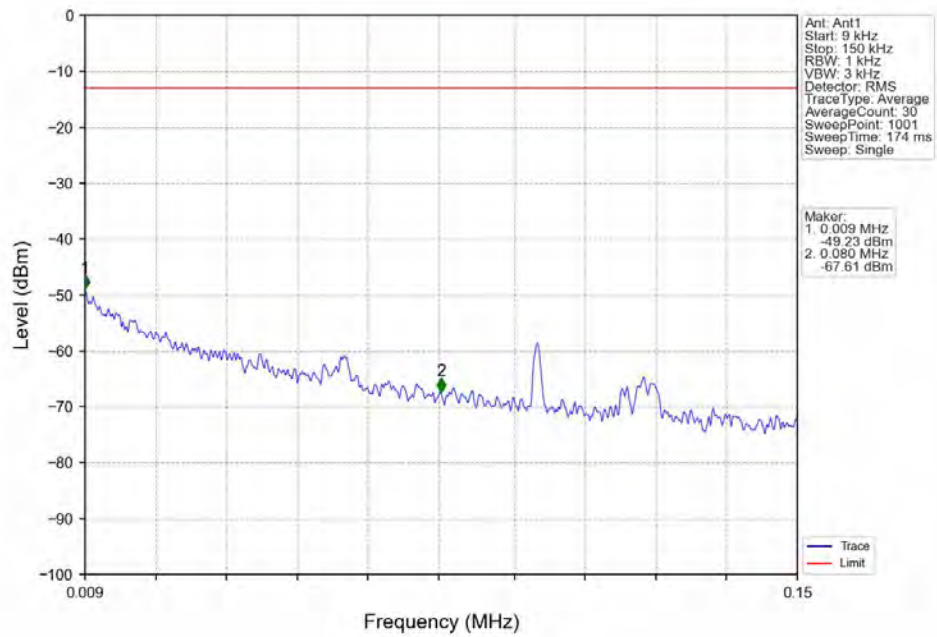
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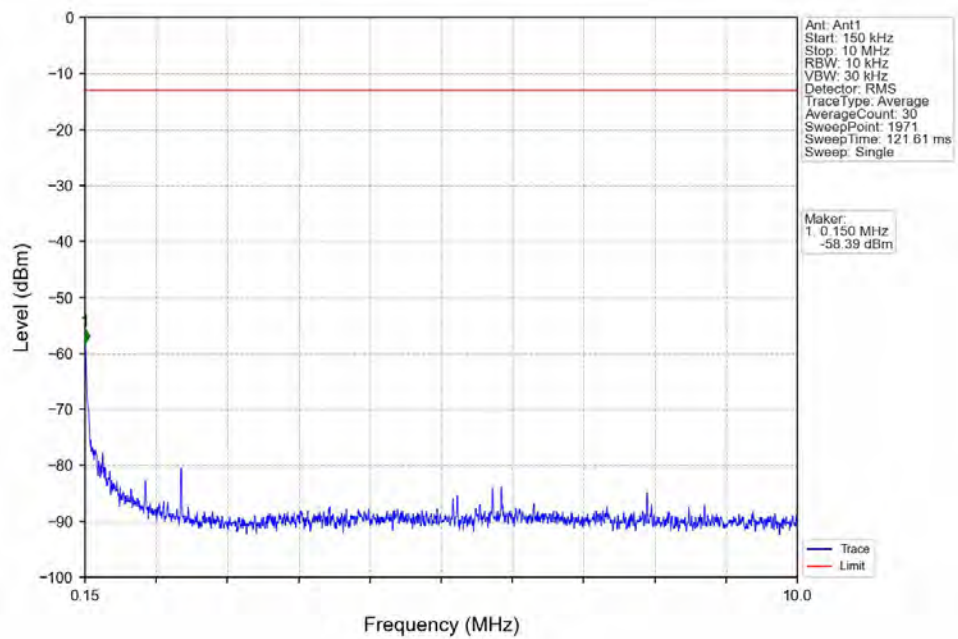
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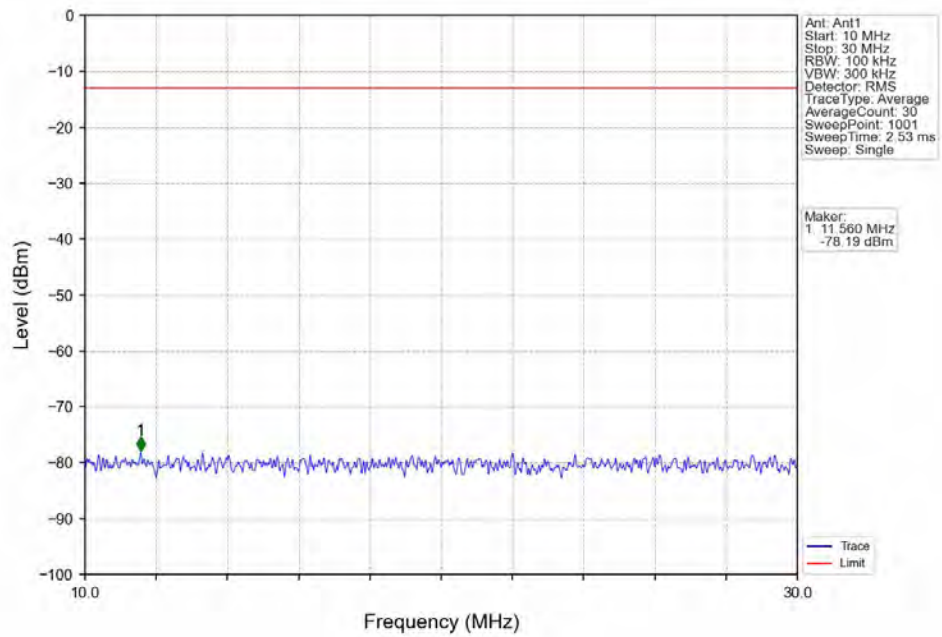
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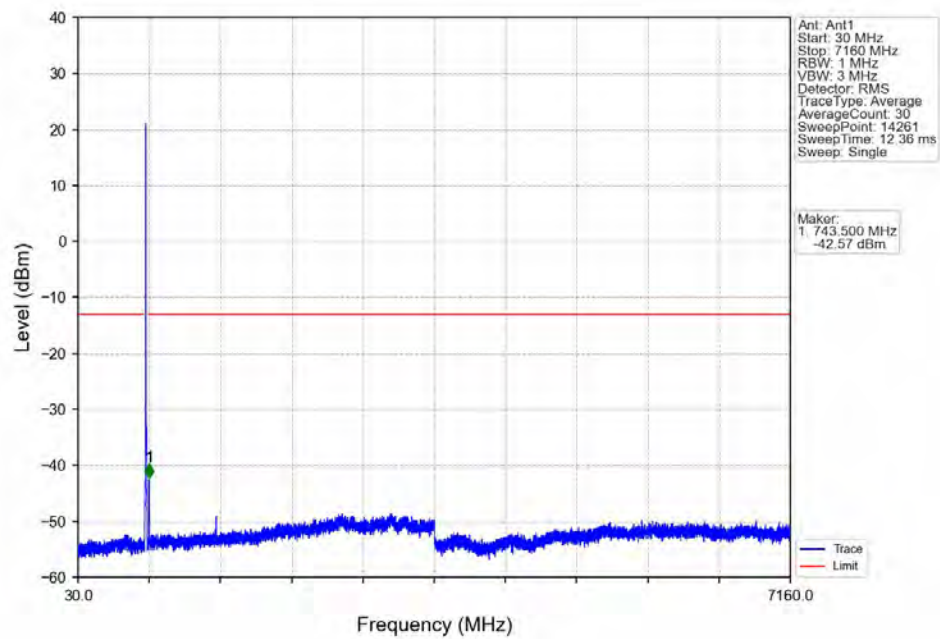
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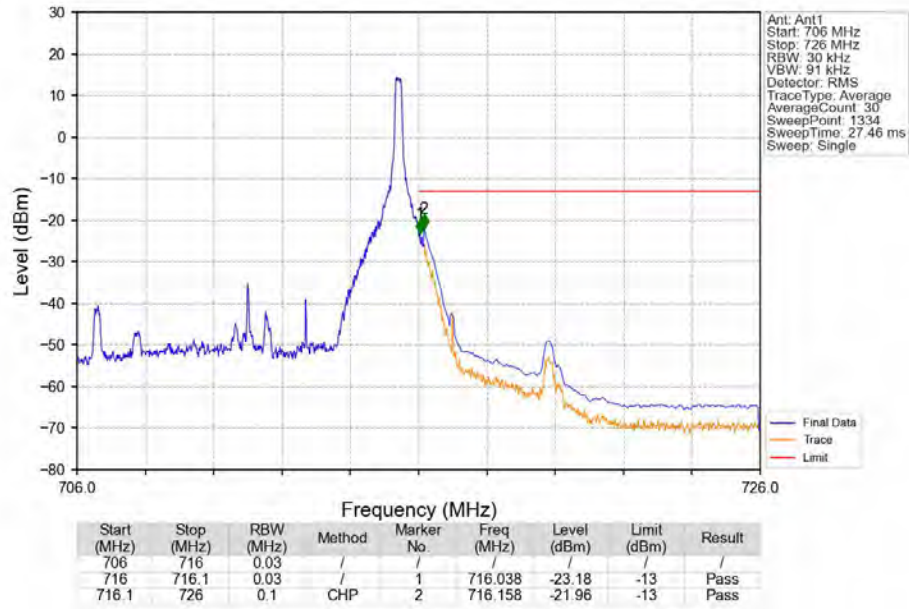
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



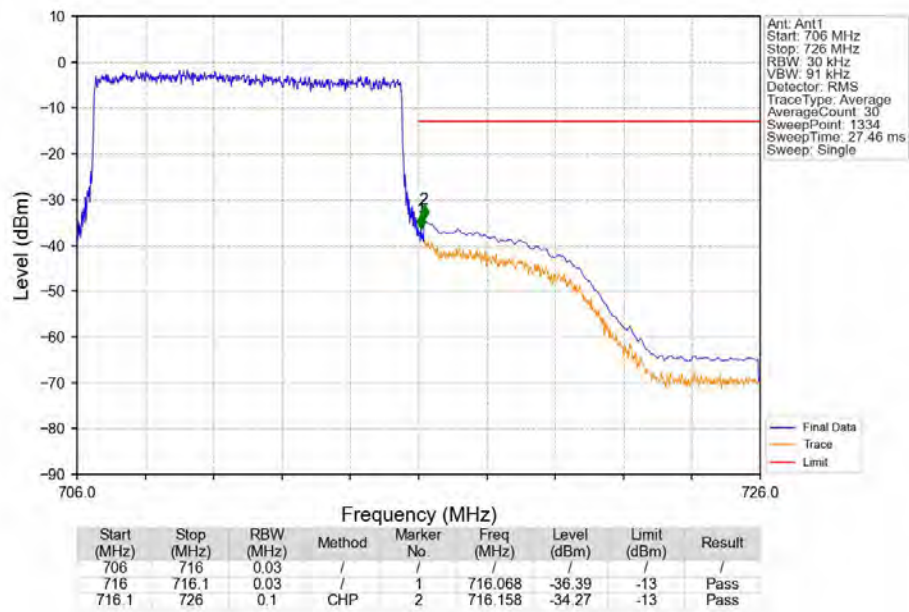
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1816	0.0155	ppm	1M12G7D	27H	22.59
12	1.4	699.7	715.3	0.1493	0.0150	ppm	1M11W7D	27H	21.74
12	3	700.5	714.5	0.1820	0.0126	ppm	2M73G7D	27H	22.60
12	3	700.5	714.5	0.1637	0.0136	ppm	2M72W7D	27H	22.14
12	5	701.5	713.5	0.1786	0.0167	ppm	4M58G7D	27H	22.52
12	5	701.5	713.5	0.1466	0.0160	ppm	4M59W7D	27H	21.66
12	10	704	711	0.1799	0.0162	ppm	9M13G7D	27H	22.55
12	10	704	711	0.1626	0.0132	ppm	9M13W7D	27H	22.11

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1107	0.0155	ppm	1M12G7D	27H	20.44
12	1.4	699.7	715.3	0.0910	0.0150	ppm	1M11W7D	27H	19.59
12	3	700.5	714.5	0.1109	0.0126	ppm	2M73G7D	27H	20.45
12	3	700.5	714.5	0.0998	0.0136	ppm	2M72W7D	27H	19.99
12	5	701.5	713.5	0.1089	0.0167	ppm	4M58G7D	27H	20.37
12	5	701.5	713.5	0.0893	0.0160	ppm	4M59W7D	27H	19.51
12	10	704	711	0.1096	0.0162	ppm	9M13G7D	27H	20.40
12	10	704	711	0.0991	0.0132	ppm	9M13W7D	27H	19.96