

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

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	22.06	-11.16	8.75	<=34.77	Pass
			2	22.17	-11.16	8.86	<=34.77	Pass
			5	22.12	-11.16	8.81	<=34.77	Pass
		3	0	22.09	-11.16	8.78	<=34.77	Pass
			2	22.02	-11.16	8.71	<=34.77	Pass
			3	21.95	-11.16	8.64	<=34.77	Pass
		6	0	21.01	-11.16	7.70	<=34.77	Pass
	707.5	1	0	22.02	-11.16	8.71	<=34.77	Pass
			2	22.09	-11.16	8.78	<=34.77	Pass
			5	22.09	-11.16	8.78	<=34.77	Pass
		3	0	22.06	-11.16	8.75	<=34.77	Pass
			2	21.99	-11.16	8.68	<=34.77	Pass
			3	22.09	-11.16	8.78	<=34.77	Pass
		6	0	21.02	-11.16	7.71	<=34.77	Pass
	715.3	1	0	22.05	-11.16	8.74	<=34.77	Pass
			2	21.97	-11.16	8.66	<=34.77	Pass
			5	22.01	-11.16	8.70	<=34.77	Pass
		3	0	22.27	-11.16	8.96	<=34.77	Pass
			2	22.12	-11.16	8.81	<=34.77	Pass
			3	22.13	-11.16	8.82	<=34.77	Pass
		6	0	21.18	-11.16	7.87	<=34.77	Pass
16QAM	699.7	1	0	20.52	-11.16	7.21	<=34.77	Pass
			2	20.56	-11.16	7.25	<=34.77	Pass
			5	20.53	-11.16	7.22	<=34.77	Pass
		3	0	20.83	-11.16	7.52	<=34.77	Pass
			2	20.76	-11.16	7.45	<=34.77	Pass
			3	20.79	-11.16	7.48	<=34.77	Pass
		6	0	20.55	-11.16	7.24	<=34.77	Pass
	707.5	1	0	21.19	-11.16	7.88	<=34.77	Pass
			2	21.15	-11.16	7.84	<=34.77	Pass
			5	21.12	-11.16	7.81	<=34.77	Pass
		3	0	21.05	-11.16	7.74	<=34.77	Pass
			2	21.05	-11.16	7.74	<=34.77	Pass
			3	21.05	-11.16	7.74	<=34.77	Pass
		6	0	20.18	-11.16	6.87	<=34.77	Pass
	715.3	1	0	21.14	-11.16	7.83	<=34.77	Pass
			2	21.20	-11.16	7.89	<=34.77	Pass
			5	21.16	-11.16	7.85	<=34.77	Pass
		3	0	21.01	-11.16	7.70	<=34.77	Pass
			2	21.08	-11.16	7.77	<=34.77	Pass
			3	21.04	-11.16	7.73	<=34.77	Pass
		6	0	20.49	-11.16	7.18	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

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	22.04	-11.16	8.73	<=34.77	Pass
			7	22.08	-11.16	8.77	<=34.77	Pass
			14	22.16	-11.16	8.85	<=34.77	Pass
		8	0	21.00	-11.16	7.69	<=34.77	Pass
			4	21.07	-11.16	7.76	<=34.77	Pass
			7	21.05	-11.16	7.74	<=34.77	Pass
		15	0	21.07	-11.16	7.76	<=34.77	Pass
	707.5	1	0	22.07	-11.16	8.76	<=34.77	Pass
			7	22.07	-11.16	8.76	<=34.77	Pass
			14	21.99	-11.16	8.68	<=34.77	Pass
		8	0	21.08	-11.16	7.77	<=34.77	Pass
			4	21.03	-11.16	7.72	<=34.77	Pass
			7	20.98	-11.16	7.67	<=34.77	Pass
		15	0	21.06	-11.16	7.75	<=34.77	Pass
	714.5	1	0	22.05	-11.16	8.74	<=34.77	Pass
			7	22.08	-11.16	8.77	<=34.77	Pass
			14	22.02	-11.16	8.71	<=34.77	Pass
		8	0	21.21	-11.16	7.90	<=34.77	Pass
			4	21.21	-11.16	7.90	<=34.77	Pass
			7	21.14	-11.16	7.83	<=34.77	Pass
		15	0	21.02	-11.16	7.71	<=34.77	Pass
16QAM	700.5	1	0	20.87	-11.16	7.56	<=34.77	Pass
			7	20.81	-11.16	7.50	<=34.77	Pass
			14	20.73	-11.16	7.42	<=34.77	Pass
		8	0	20.64	-11.16	7.33	<=34.77	Pass
			4	20.60	-11.16	7.29	<=34.77	Pass
			7	20.18	-11.16	6.87	<=34.77	Pass
		15	0	20.51	-11.16	7.20	<=34.77	Pass
	707.5	1	0	21.85	-11.16	8.54	<=34.77	Pass
			7	21.73	-11.16	8.42	<=34.77	Pass
			14	21.65	-11.16	8.34	<=34.77	Pass
		8	0	20.57	-11.16	7.26	<=34.77	Pass
			4	20.10	-11.16	6.79	<=34.77	Pass
			7	20.08	-11.16	6.77	<=34.77	Pass
		15	0	20.18	-11.16	6.87	<=34.77	Pass
	714.5	1	0	21.37	-11.16	8.06	<=34.77	Pass
			7	21.33	-11.16	8.02	<=34.77	Pass
			14	21.36	-11.16	8.05	<=34.77	Pass
		8	0	20.69	-11.16	7.38	<=34.77	Pass
			4	20.69	-11.16	7.38	<=34.77	Pass
			7	20.67	-11.16	7.36	<=34.77	Pass
		15	0	20.50	-11.16	7.19	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	21.91	-11.16	8.60	<=34.77	Pass
			13	22.02	-11.16	8.71	<=34.77	Pass
			24	22.01	-11.16	8.70	<=34.77	Pass
		12	0	21.06	-11.16	7.75	<=34.77	Pass
			6	21.10	-11.16	7.79	<=34.77	Pass
			13	21.07	-11.16	7.76	<=34.77	Pass

16QAM	707.5	25	0	21.09	-11.16	7.78	<=34.77	Pass
		1	0	22.07	-11.16	8.76	<=34.77	Pass
			13	22.00	-11.16	8.69	<=34.77	Pass
			24	22.03	-11.16	8.72	<=34.77	Pass
		12	0	21.15	-11.16	7.84	<=34.77	Pass
			6	21.02	-11.16	7.71	<=34.77	Pass
			13	21.06	-11.16	7.75	<=34.77	Pass
		25	0	21.09	-11.16	7.78	<=34.77	Pass
	713.5	1	0	22.00	-11.16	8.69	<=34.77	Pass
			13	22.11	-11.16	8.80	<=34.77	Pass
			24	21.99	-11.16	8.68	<=34.77	Pass
		12	0	21.48	-11.16	8.17	<=34.77	Pass
			6	21.13	-11.16	7.82	<=34.77	Pass
			13	21.12	-11.16	7.81	<=34.77	Pass
		25	0	21.00	-11.16	7.69	<=34.77	Pass
	701.5	1	0	21.00	-11.16	7.69	<=34.77	Pass
			13	21.06	-11.16	7.75	<=34.77	Pass
			24	21.04	-11.16	7.73	<=34.77	Pass
		12	0	20.46	-11.16	7.15	<=34.77	Pass
			6	20.02	-11.16	6.71	<=34.77	Pass
			13	19.99	-11.16	6.68	<=34.77	Pass
		25	0	20.10	-11.16	6.79	<=34.77	Pass
	707.5	1	0	21.02	-11.16	7.71	<=34.77	Pass
			13	20.96	-11.16	7.65	<=34.77	Pass
			24	20.94	-11.16	7.63	<=34.77	Pass
		12	0	20.52	-11.16	7.21	<=34.77	Pass
			6	20.11	-11.16	6.80	<=34.77	Pass
			13	20.07	-11.16	6.76	<=34.77	Pass
		25	0	20.05	-11.16	6.74	<=34.77	Pass
	713.5	1	0	20.57	-11.16	7.26	<=34.77	Pass
			13	20.20	-11.16	6.89	<=34.77	Pass
			24	20.21	-11.16	6.90	<=34.77	Pass
		12	0	20.47	-11.16	7.16	<=34.77	Pass
			6	20.42	-11.16	7.11	<=34.77	Pass
			13	20.45	-11.16	7.14	<=34.77	Pass
		25	0	20.54	-11.16	7.23	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.02	-11.16	8.71	<=34.77	Pass
			25	22.00	-11.16	8.69	<=34.77	Pass
			49	22.02	-11.16	8.71	<=34.77	Pass
		25	0	21.01	-11.16	7.70	<=34.77	Pass
			13	20.93	-11.16	7.62	<=34.77	Pass
			25	21.09	-11.16	7.78	<=34.77	Pass
		50	0	20.93	-11.16	7.62	<=34.77	Pass
	707.5	1	0	21.89	-11.16	8.58	<=34.77	Pass
			25	21.97	-11.16	8.66	<=34.77	Pass
			49	21.95	-11.16	8.64	<=34.77	Pass
		25	0	21.05	-11.16	7.74	<=34.77	Pass
			13	21.07	-11.16	7.76	<=34.77	Pass
			25	21.08	-11.16	7.77	<=34.77	Pass
		50	0	21.02	-11.16	7.71	<=34.77	Pass

16QAM	711	1	0	22.13	-11.16	8.82	<=34.77	Pass
			25	22.14	-11.16	8.83	<=34.77	Pass
			49	22.10	-11.16	8.79	<=34.77	Pass
		25	0	21.05	-11.16	7.74	<=34.77	Pass
			13	21.11	-11.16	7.80	<=34.77	Pass
			25	21.25	-11.16	7.94	<=34.77	Pass
		50	0	21.09	-11.16	7.78	<=34.77	Pass
			25	21.11	-11.16	7.78	<=34.77	Pass
			49	21.10	-11.16	7.79	<=34.77	Pass
	704	1	0	21.79	-11.16	8.48	<=34.77	Pass
			25	21.75	-11.16	8.44	<=34.77	Pass
			49	21.70	-11.16	8.39	<=34.77	Pass
		25	0	20.12	-11.16	6.81	<=34.77	Pass
			13	20.60	-11.16	7.29	<=34.77	Pass
			25	20.52	-11.16	7.21	<=34.77	Pass
		50	0	20.65	-11.16	7.34	<=34.77	Pass
			25	20.65	-11.16	7.34	<=34.77	Pass
			49	20.65	-11.16	7.34	<=34.77	Pass
	707.5	1	0	21.01	-11.16	7.70	<=34.77	Pass
			25	20.99	-11.16	7.68	<=34.77	Pass
			49	21.53	-11.16	8.22	<=34.77	Pass
		25	0	20.48	-11.16	7.17	<=34.77	Pass
			13	20.06	-11.16	6.75	<=34.77	Pass
			25	20.11	-11.16	6.80	<=34.77	Pass
		50	0	20.25	-11.16	6.94	<=34.77	Pass
			25	20.25	-11.16	6.94	<=34.77	Pass
			49	20.25	-11.16	6.94	<=34.77	Pass
	711	1	0	20.87	-11.16	7.56	<=34.77	Pass
			25	20.72	-11.16	7.41	<=34.77	Pass
			49	20.88	-11.16	7.57	<=34.77	Pass
		25	0	20.23	-11.16	6.92	<=34.77	Pass
			13	20.32	-11.16	7.01	<=34.77	Pass
			25	20.66	-11.16	7.35	<=34.77	Pass
		50	0	20.16	-11.16	6.85	<=34.77	Pass
			25	20.16	-11.16	6.85	<=34.77	Pass
			49	20.16	-11.16	6.85	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp.	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	-6.766	-0.0097	-2.5 to 2.5	Pass
					3.85	-11.673	-0.0167	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	4.120	0.0059	-2.5 to 2.5	Pass
					3.85	11.301	0.0162	-2.5 to 2.5	Pass
					3.85	17.810	0.0255	-2.5 to 2.5	Pass
				0	3.85	22.359	0.0320	-2.5 to 2.5	Pass
					3.85	25.578	0.0366	-2.5 to 2.5	Pass
					3.85	28.253	0.0404	-2.5 to 2.5	Pass
				30	3.85	30.828	0.0441	-2.5 to 2.5	Pass
					3.85	31.972	0.0457	-2.5 to 2.5	Pass
					3.85	31.972	0.0457	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.801	0.0011	-2.5 to 2.5	Pass
					3.85	-4.463	-0.0063	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-6.351	-0.0090	-2.5 to 2.5	Pass
					3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0070	-2.5 to 2.5	Pass

				0	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-4.148	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.691	-0.0052	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0077	-2.5 to 2.5	Pass
					4.43	3.476	0.0049	-2.5 to 2.5	Pass
				-30	3.85	14.734	0.0206	-2.5 to 2.5	Pass
				-20	3.85	24.018	0.0336	-2.5 to 2.5	Pass
				-10	3.85	30.899	0.0432	-2.5 to 2.5	Pass
				0	3.85	36.693	0.0513	-2.5 to 2.5	Pass
				10	3.85	41.170	0.0576	-2.5 to 2.5	Pass
				30	3.85	44.732	0.0625	-2.5 to 2.5	Pass
				40	3.85	47.321	0.0662	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	33.717	0.0482	-2.5 to 2.5	Pass
					3.85	34.719	0.0496	-2.5 to 2.5	Pass
					4.43	34.890	0.0499	-2.5 to 2.5	Pass
				-30	3.85	34.590	0.0494	-2.5 to 2.5	Pass
				-20	3.85	34.318	0.0490	-2.5 to 2.5	Pass
				-10	3.85	34.103	0.0487	-2.5 to 2.5	Pass
				0	3.85	32.959	0.0471	-2.5 to 2.5	Pass
				10	3.85	32.873	0.0470	-2.5 to 2.5	Pass
				30	3.85	31.714	0.0453	-2.5 to 2.5	Pass
				40	3.85	31.056	0.0444	-2.5 to 2.5	Pass
				50	3.85	30.885	0.0441	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-3.734	-0.0053	-2.5 to 2.5	Pass
					3.85	-4.706	-0.0067	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-7.782	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-9.913	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-11.230	-0.0159	-2.5 to 2.5	Pass
				0	3.85	-12.145	-0.0172	-2.5 to 2.5	Pass
				10	3.85	-13.590	-0.0192	-2.5 to 2.5	Pass
				30	3.85	-14.534	-0.0205	-2.5 to 2.5	Pass
				40	3.85	-15.264	-0.0216	-2.5 to 2.5	Pass
				50	3.85	-16.036	-0.0227	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	1.903	0.0027	-2.5 to 2.5	Pass
					3.85	3.319	0.0046	-2.5 to 2.5	Pass
					4.43	4.106	0.0057	-2.5 to 2.5	Pass
				-30	3.85	4.878	0.0068	-2.5 to 2.5	Pass
				-20	3.85	4.735	0.0066	-2.5 to 2.5	Pass
				-10	3.85	5.364	0.0075	-2.5 to 2.5	Pass
				0	3.85	5.665	0.0079	-2.5 to 2.5	Pass
				10	3.85	5.579	0.0078	-2.5 to 2.5	Pass
				30	3.85	5.679	0.0079	-2.5 to 2.5	Pass
				40	3.85	5.751	0.0080	-2.5 to 2.5	Pass
				50	3.85	6.194	0.0087	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp.	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-3.147	-0.0045	-2.5 to 2.5	Pass
					3.85	-2.689	-0.0038	-2.5 to 2.5	Pass

16QAM					4.43	8.068	0.0115	-2.5 to 2.5	Pass
				-30	3.85	21.486	0.0307	-2.5 to 2.5	Pass
				-20	3.85	31.714	0.0453	-2.5 to 2.5	Pass
				-10	3.85	39.182	0.0559	-2.5 to 2.5	Pass
				0	3.85	45.333	0.0647	-2.5 to 2.5	Pass
				10	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				30	3.85	4.878	0.0070	-2.5 to 2.5	Pass
				40	3.85	7.997	0.0114	-2.5 to 2.5	Pass
				50	3.85	10.872	0.0155	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.358	-0.0005	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				50	3.85	2.146	0.0030	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-4.406	-0.0062	-2.5 to 2.5	Pass
					3.85	-8.383	-0.0117	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-5.035	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.259	0.0018	-2.5 to 2.5	Pass
				0	3.85	3.676	0.0051	-2.5 to 2.5	Pass
				10	3.85	4.034	0.0056	-2.5 to 2.5	Pass
				30	3.85	5.093	0.0071	-2.5 to 2.5	Pass
				40	3.85	5.422	0.0076	-2.5 to 2.5	Pass
				50	3.85	5.879	0.0082	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	12.288	0.0175	-2.5 to 2.5	Pass
					3.85	14.219	0.0203	-2.5 to 2.5	Pass
					4.43	15.707	0.0224	-2.5 to 2.5	Pass
				-30	3.85	16.093	0.0230	-2.5 to 2.5	Pass
				-20	3.85	16.723	0.0239	-2.5 to 2.5	Pass
				-10	3.85	17.538	0.0250	-2.5 to 2.5	Pass
				0	3.85	17.524	0.0250	-2.5 to 2.5	Pass
				10	3.85	17.896	0.0255	-2.5 to 2.5	Pass
				30	3.85	18.196	0.0260	-2.5 to 2.5	Pass
				40	3.85	18.497	0.0264	-2.5 to 2.5	Pass
				50	3.85	18.854	0.0269	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	2.303	0.0033	-2.5 to 2.5	Pass
					3.85	2.947	0.0042	-2.5 to 2.5	Pass
					4.43	1.545	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-4.606	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0073	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	6.194	0.0087	-2.5 to 2.5	Pass
					3.85	6.151	0.0086	-2.5 to 2.5	Pass
					4.43	5.465	0.0076	-2.5 to 2.5	Pass
				-30	3.85	4.520	0.0063	-2.5 to 2.5	Pass
				-20	3.85	3.963	0.0055	-2.5 to 2.5	Pass
				-10	3.85	3.633	0.0051	-2.5 to 2.5	Pass

				0	3.85	3.133	0.0044	-2.5 to 2.5	Pass
				10	3.85	2.489	0.0035	-2.5 to 2.5	Pass
				30	3.85	2.546	0.0036	-2.5 to 2.5	Pass
				40	3.85	2.875	0.0040	-2.5 to 2.5	Pass
				50	3.85	2.389	0.0033	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp.	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-4.621	-0.0066	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
					4.43	6.981	0.0100	-2.5 to 2.5	Pass
				-30	3.85	19.856	0.0283	-2.5 to 2.5	Pass
				-20	3.85	31.042	0.0443	-2.5 to 2.5	Pass
				-10	3.85	38.838	0.0554	-2.5 to 2.5	Pass
				0	3.85	45.004	0.0642	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				30	3.85	4.220	0.0060	-2.5 to 2.5	Pass
				40	3.85	7.725	0.0110	-2.5 to 2.5	Pass
				50	3.85	10.271	0.0146	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-1.287	-0.0018	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
					4.43	-3.920	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.046	0.0029	-2.5 to 2.5	Pass
				40	3.85	2.661	0.0038	-2.5 to 2.5	Pass
				50	3.85	3.619	0.0051	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.144	0.0016	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	0.815	0.0011	-2.5 to 2.5	Pass
				-20	3.85	3.719	0.0052	-2.5 to 2.5	Pass
				-10	3.85	5.608	0.0079	-2.5 to 2.5	Pass
				0	3.85	7.753	0.0109	-2.5 to 2.5	Pass
				10	3.85	9.069	0.0127	-2.5 to 2.5	Pass
				30	3.85	9.642	0.0135	-2.5 to 2.5	Pass
				40	3.85	10.400	0.0146	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	12.660	0.0180	-2.5 to 2.5	Pass
					3.85	15.049	0.0215	-2.5 to 2.5	Pass
					4.43	16.036	0.0229	-2.5 to 2.5	Pass
				-30	3.85	16.136	0.0230	-2.5 to 2.5	Pass
				-20	3.85	16.508	0.0235	-2.5 to 2.5	Pass
				-10	3.85	16.909	0.0241	-2.5 to 2.5	Pass
				0	3.85	17.409	0.0248	-2.5 to 2.5	Pass
				10	3.85	17.180	0.0245	-2.5 to 2.5	Pass
				30	3.85	17.681	0.0252	-2.5 to 2.5	Pass
				40	3.85	17.581	0.0251	-2.5 to 2.5	Pass
				50	3.85	18.110	0.0258	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	3.490	0.0049	-2.5 to 2.5	Pass
					3.85	3.533	0.0050	-2.5 to 2.5	Pass

					4.43	3.018	0.0043	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	11.072	0.0155	-2.5 to 2.5	Pass
					3.85	11.058	0.0155	-2.5 to 2.5	Pass
					4.43	10.285	0.0144	-2.5 to 2.5	Pass
				-30	3.85	9.642	0.0135	-2.5 to 2.5	Pass
				-20	3.85	8.512	0.0119	-2.5 to 2.5	Pass
				-10	3.85	7.811	0.0109	-2.5 to 2.5	Pass
				0	3.85	7.567	0.0106	-2.5 to 2.5	Pass
				10	3.85	7.396	0.0104	-2.5 to 2.5	Pass
				30	3.85	6.337	0.0089	-2.5 to 2.5	Pass
				40	3.85	6.838	0.0096	-2.5 to 2.5	Pass
				50	3.85	6.337	0.0089	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp.	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-10.042	-0.0143	-2.5 to 2.5	Pass
					3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
					4.43	6.123	0.0087	-2.5 to 2.5	Pass
				-30	3.85	18.010	0.0256	-2.5 to 2.5	Pass
				-20	3.85	26.951	0.0383	-2.5 to 2.5	Pass
				-10	3.85	33.031	0.0469	-2.5 to 2.5	Pass
				0	3.85	37.766	0.0536	-2.5 to 2.5	Pass
				10	3.85	41.184	0.0585	-2.5 to 2.5	Pass
				30	3.85	43.688	0.0621	-2.5 to 2.5	Pass
				40	3.85	45.404	0.0645	-2.5 to 2.5	Pass
	707.5	50	0	50	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				20	3.27	-2.546	-0.0036	-2.5 to 2.5	Pass
					3.85	-7.553	-0.0107	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.973	0.0014	-2.5 to 2.5	Pass
				30	3.85	2.046	0.0029	-2.5 to 2.5	Pass
	711	50	0	40	3.85	2.103	0.0030	-2.5 to 2.5	Pass
				50	3.85	2.775	0.0039	-2.5 to 2.5	Pass
				20	3.27	-0.114	-0.0002	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0048	-2.5 to 2.5	Pass
					4.43	-0.501	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	3.147	0.0044	-2.5 to 2.5	Pass
				-20	3.85	6.137	0.0086	-2.5 to 2.5	Pass
				-10	3.85	8.712	0.0123	-2.5 to 2.5	Pass
				0	3.85	11.029	0.0155	-2.5 to 2.5	Pass
				10	3.85	12.903	0.0181	-2.5 to 2.5	Pass
				30	3.85	13.933	0.0196	-2.5 to 2.5	Pass

16QAM	704	50	0	40	3.85	14.791	0.0208	-2.5 to 2.5	Pass
				50	3.85	14.591	0.0205	-2.5 to 2.5	Pass
				20	3.27	2.303	0.0033	-2.5 to 2.5	Pass
					3.85	3.262	0.0046	-2.5 to 2.5	Pass
					4.43	3.119	0.0044	-2.5 to 2.5	Pass
				-30	3.85	3.076	0.0044	-2.5 to 2.5	Pass
				-20	3.85	2.890	0.0041	-2.5 to 2.5	Pass
				-10	3.85	3.419	0.0049	-2.5 to 2.5	Pass
				0	3.85	3.834	0.0054	-2.5 to 2.5	Pass
				10	3.85	3.676	0.0052	-2.5 to 2.5	Pass
	707.5	50	0	30	3.85	3.991	0.0057	-2.5 to 2.5	Pass
				40	3.85	4.349	0.0062	-2.5 to 2.5	Pass
				50	3.85	4.320	0.0061	-2.5 to 2.5	Pass
				20	3.27	2.861	0.0040	-2.5 to 2.5	Pass
					3.85	1.431	0.0020	-2.5 to 2.5	Pass
					4.43	-1.559	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-7.124	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-7.796	-0.0110	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-8.526	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-9.055	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-9.599	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-10.257	-0.0145	-2.5 to 2.5	Pass
				20	3.27	15.793	0.0222	-2.5 to 2.5	Pass
					3.85	13.304	0.0187	-2.5 to 2.5	Pass
					4.43	10.386	0.0146	-2.5 to 2.5	Pass
				-30	3.85	7.324	0.0103	-2.5 to 2.5	Pass
				-20	3.85	5.507	0.0077	-2.5 to 2.5	Pass
				-10	3.85	3.691	0.0052	-2.5 to 2.5	Pass
				0	3.85	2.403	0.0034	-2.5 to 2.5	Pass
				10	3.85	1.316	0.0019	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

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 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
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

3.1.3 B12_5MHz

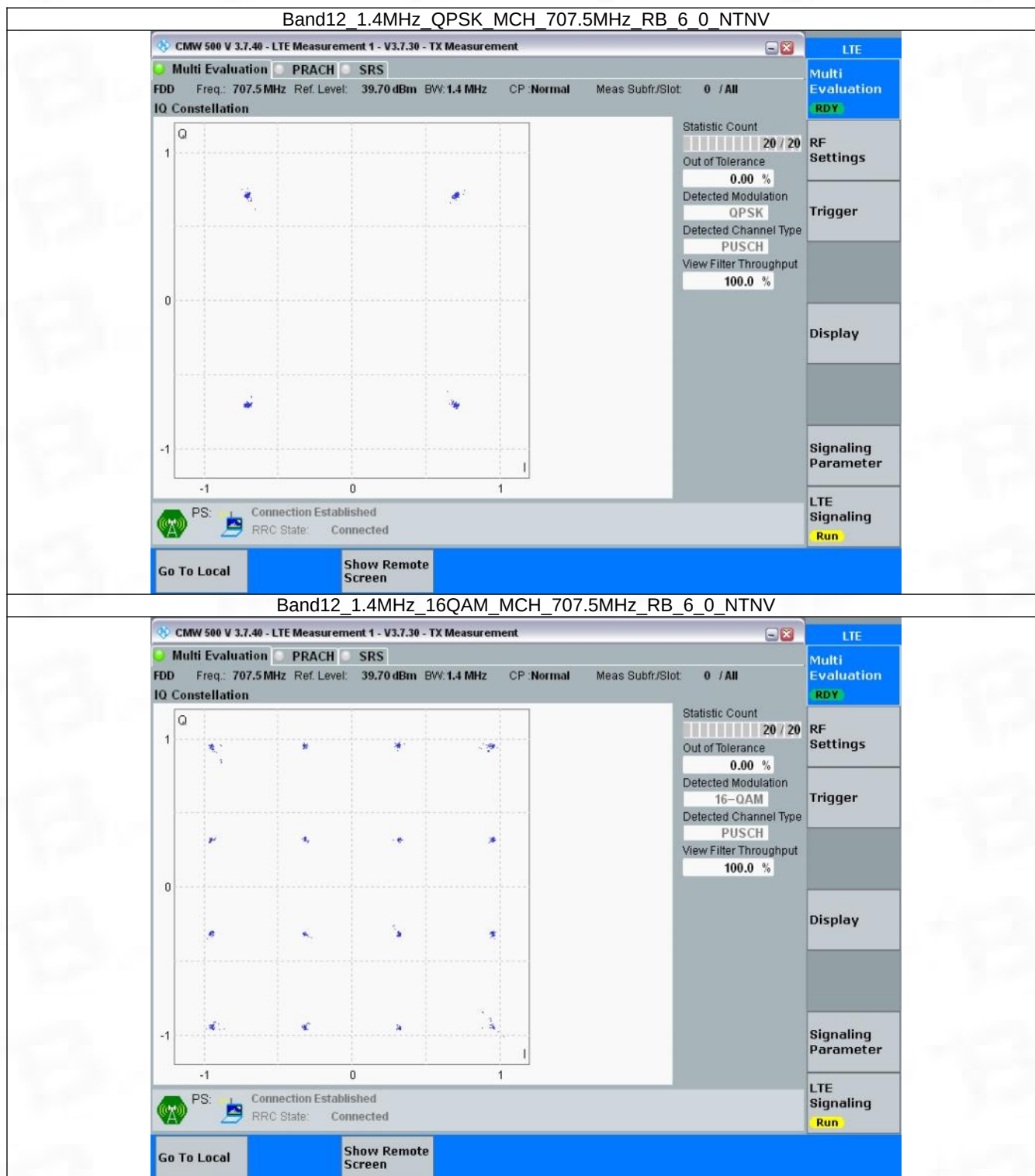
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

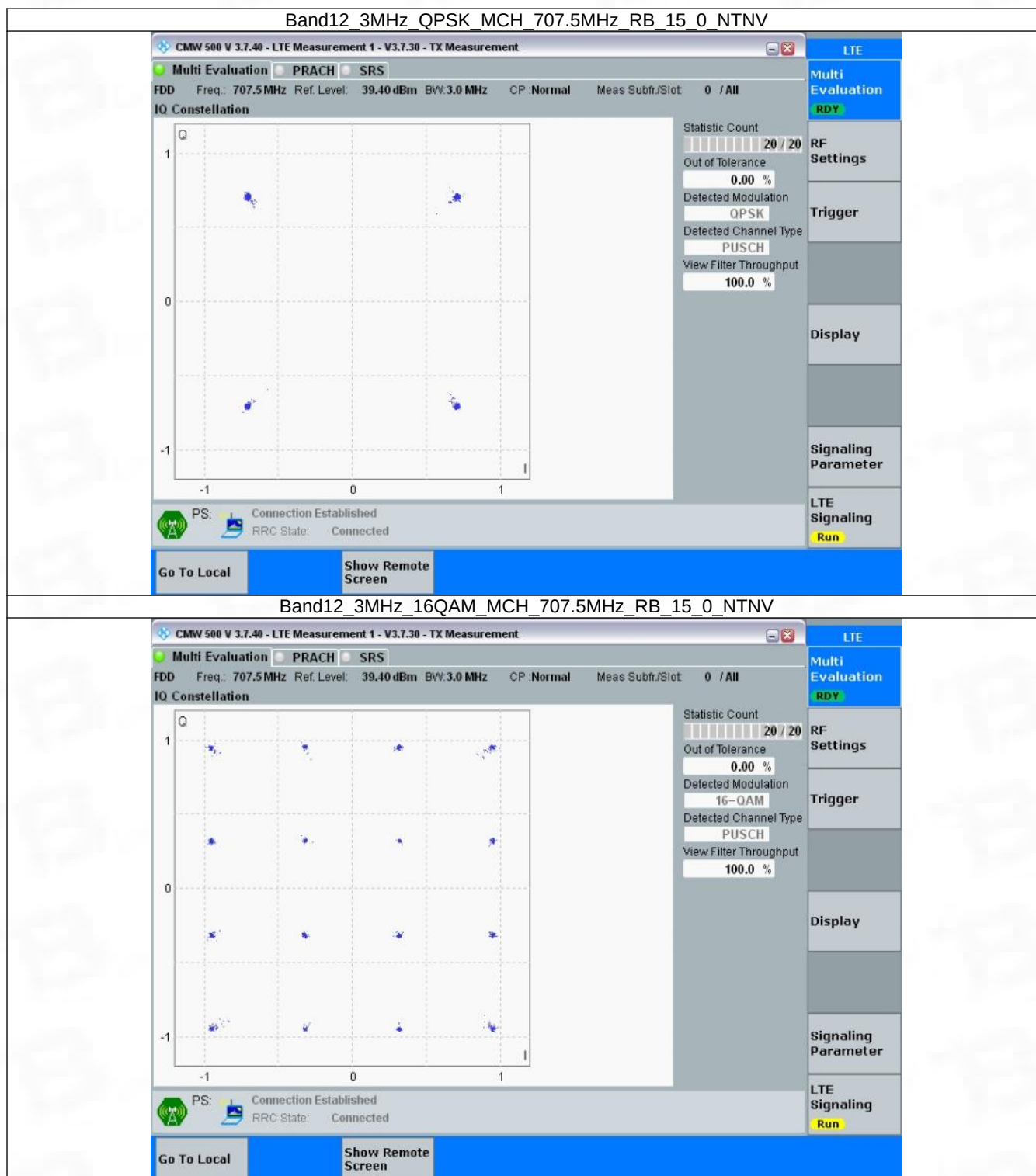
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

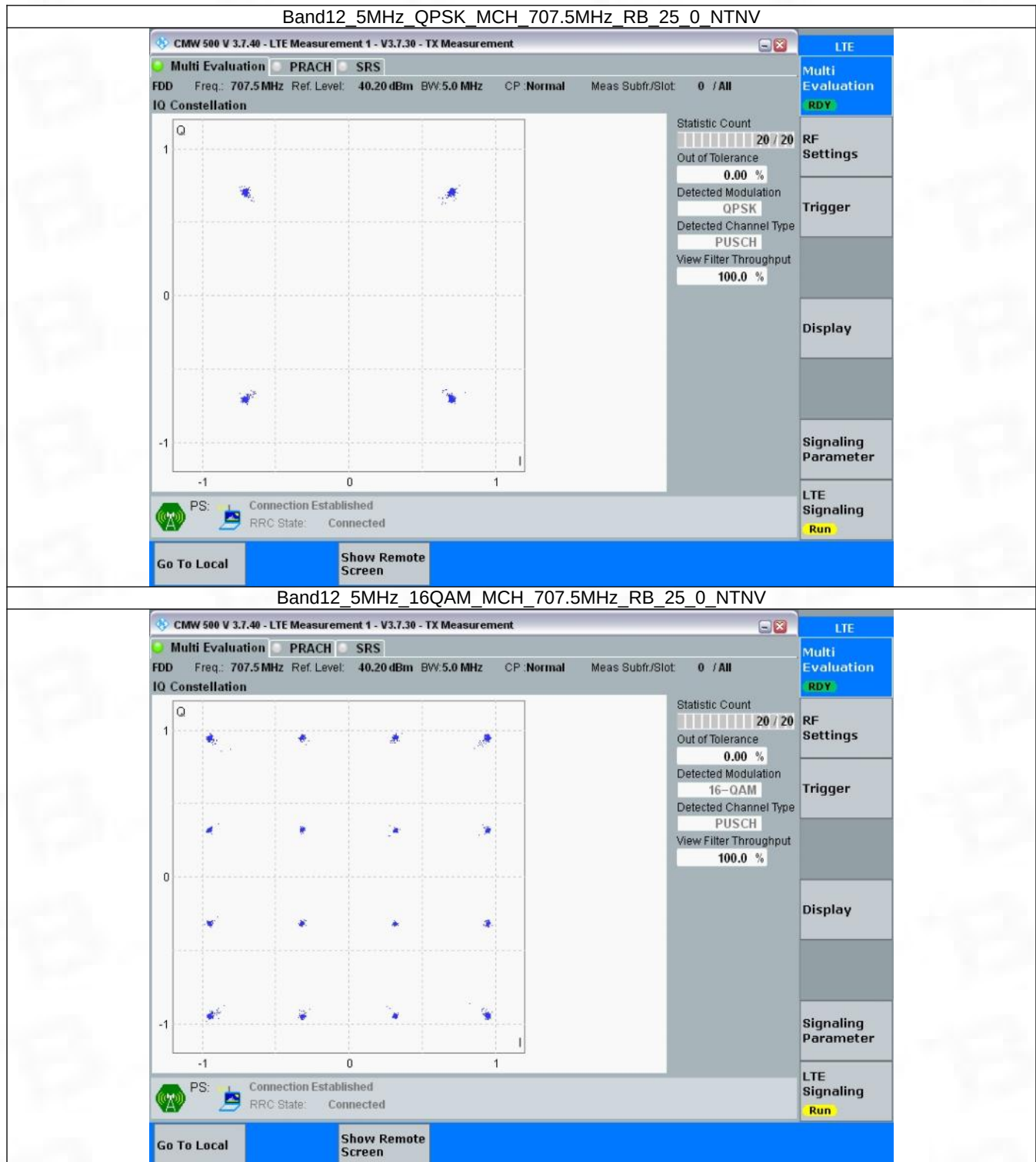
3.2.1 B12_1.4MHz



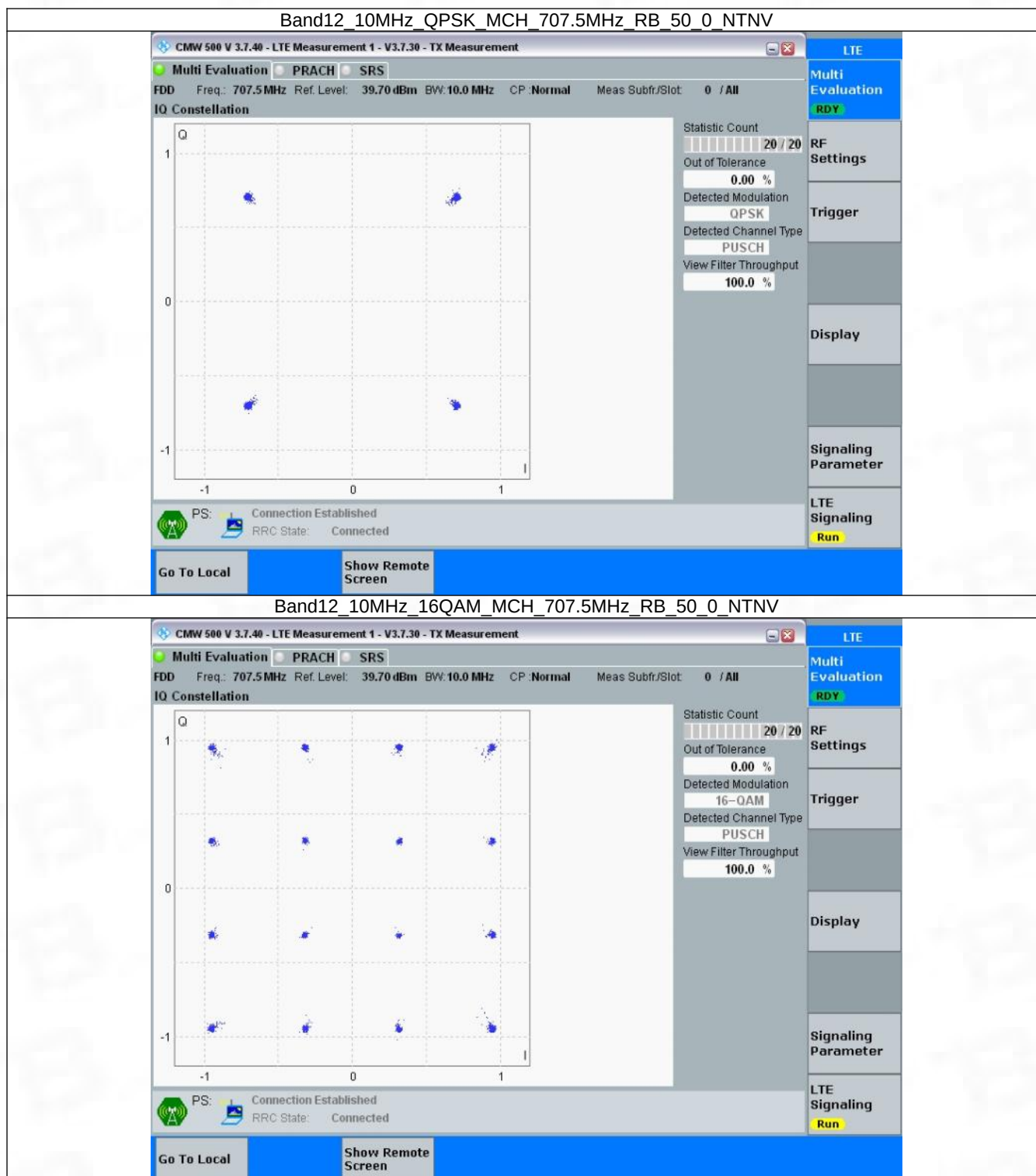
3.2.2 B12_3MHz



3.2.3 B12_5MHz



3.2.4 B12_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

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	1.111	/	Pass
		707.5	6	0	1.108	/	Pass
		715.3	6	0	1.115	/	Pass
	16QAM	699.7	6	0	1.116	/	Pass
		707.5	6	0	1.119	/	Pass
		715.3	6	0	1.119	/	Pass
3	QPSK	700.5	15	0	2.760	/	Pass
		707.5	15	0	2.753	/	Pass
		714.5	15	0	2.757	/	Pass
	16QAM	700.5	15	0	2.757	/	Pass
		707.5	15	0	2.760	/	Pass
		714.5	15	0	2.757	/	Pass
5	QPSK	701.5	25	0	4.536	/	Pass
		707.5	25	0	4.554	/	Pass
		713.5	25	0	4.584	/	Pass
	16QAM	701.5	25	0	4.564	/	Pass
		707.5	25	0	4.577	/	Pass
		713.5	25	0	4.549	/	Pass
10	QPSK	704	50	0	9.081	/	Pass
		707.5	50	0	9.078	/	Pass
		711	50	0	9.046	/	Pass
	16QAM	704	50	0	9.097	/	Pass
		707.5	50	0	9.076	/	Pass
		711	50	0	9.064	/	Pass

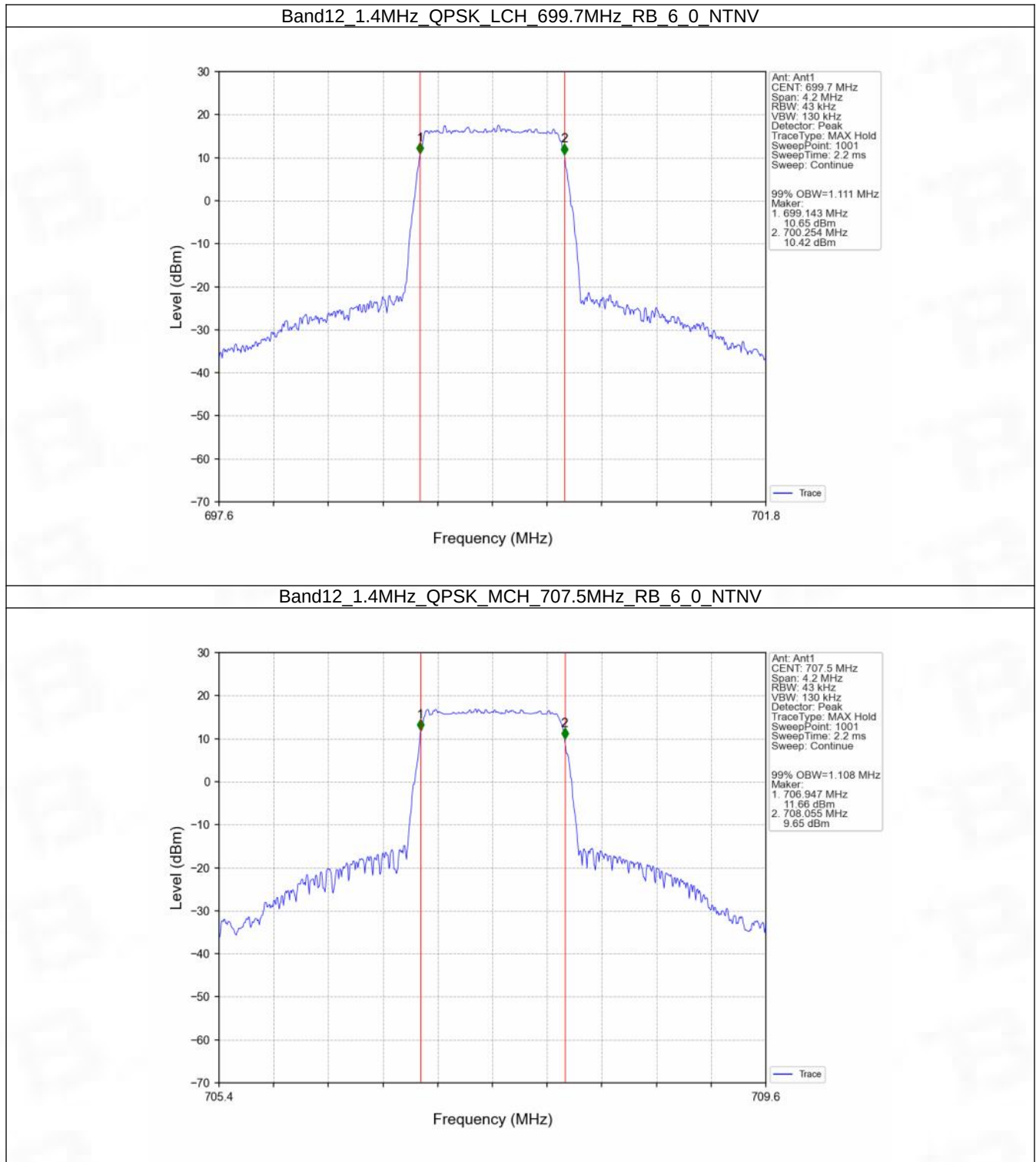
4.1.2 Band12_XDB

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	1.276	/	Pass
		707.5	6	0	1.275	/	Pass
		715.3	6	0	1.274	/	Pass
	16QAM	699.7	6	0	1.272	/	Pass
		707.5	6	0	1.286	/	Pass
		715.3	6	0	1.273	/	Pass
3	QPSK	700.5	15	0	3.095	/	Pass
		707.5	15	0	3.096	/	Pass
		714.5	15	0	3.096	/	Pass
	16QAM	700.5	15	0	3.108	/	Pass
		707.5	15	0	3.132	/	Pass
		714.5	15	0	3.108	/	Pass
5	QPSK	701.5	25	0	5.063	/	Pass
		707.5	25	0	5.070	/	Pass
		713.5	25	0	5.071	/	Pass

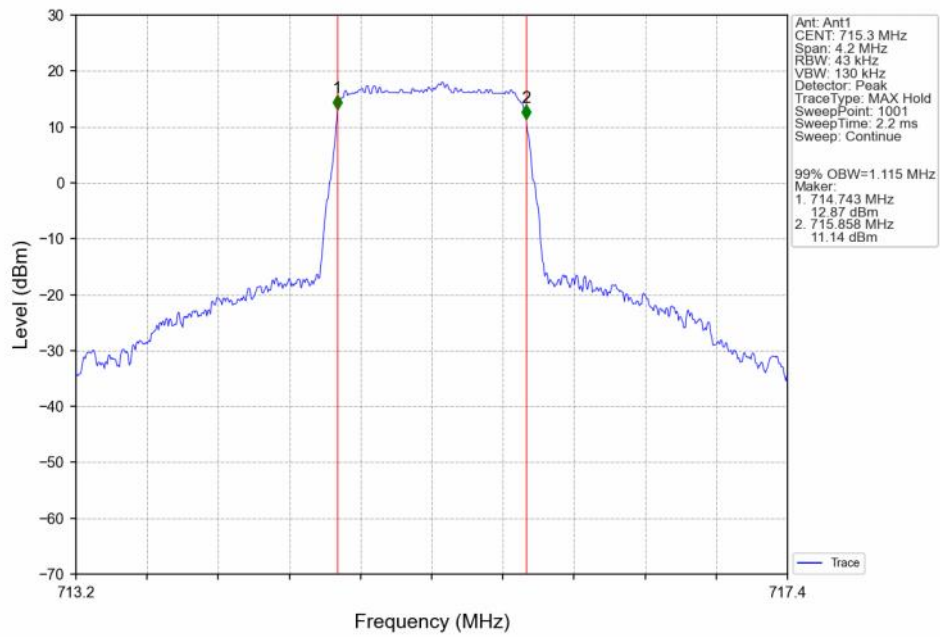
10	16QAM	701.5	25	0	5.065	/	Pass
		707.5	25	0	5.072	/	Pass
		713.5	25	0	5.070	/	Pass
	QPSK	704	50	0	10.097	/	Pass
		707.5	50	0	10.057	/	Pass
		711	50	0	10.048	/	Pass
	16QAM	704	50	0	10.096	/	Pass
		707.5	50	0	10.092	/	Pass
		711	50	0	9.994	/	Pass

4.2 Test Graph

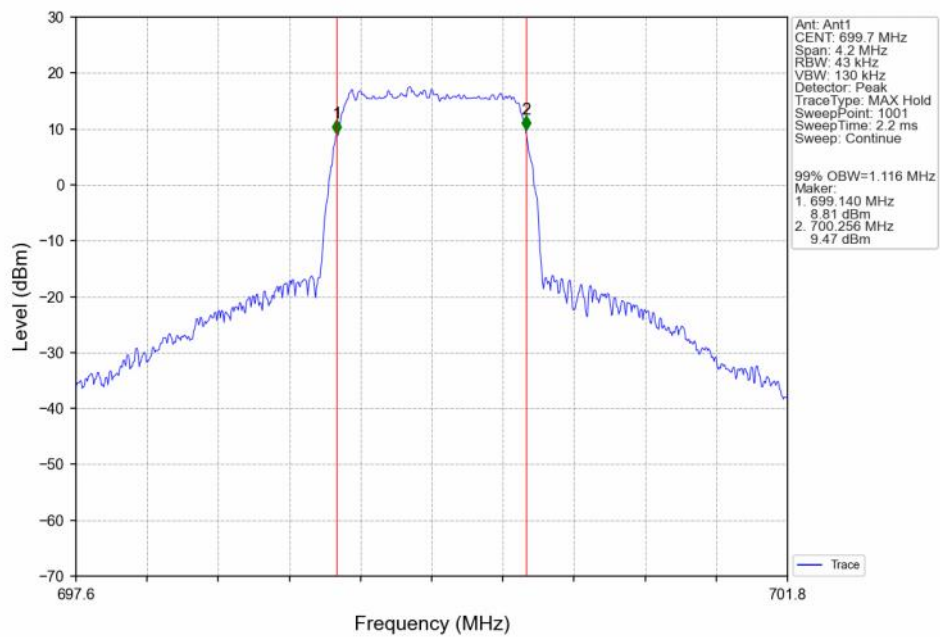
4.2.1 Band12_OBW



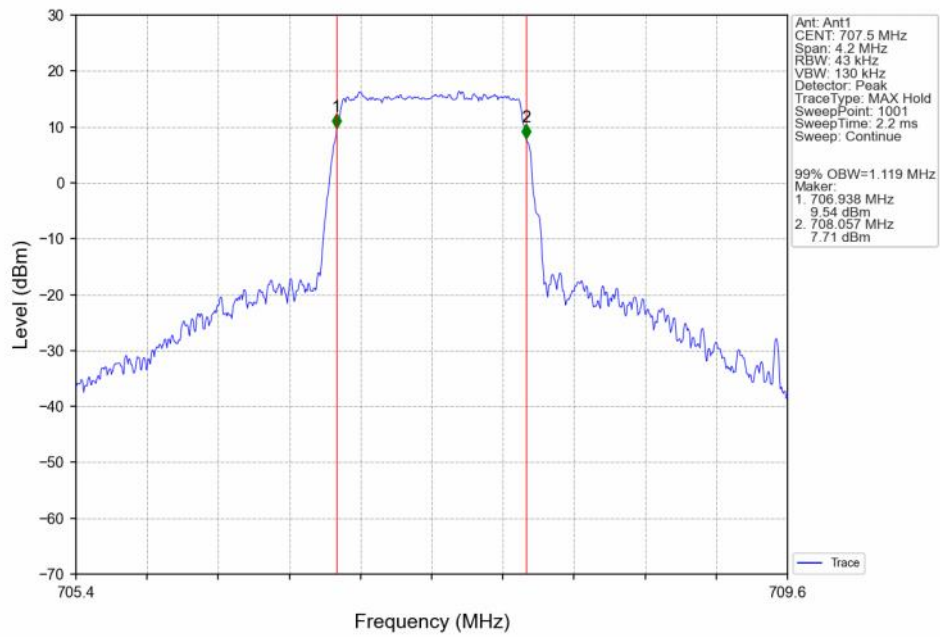
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



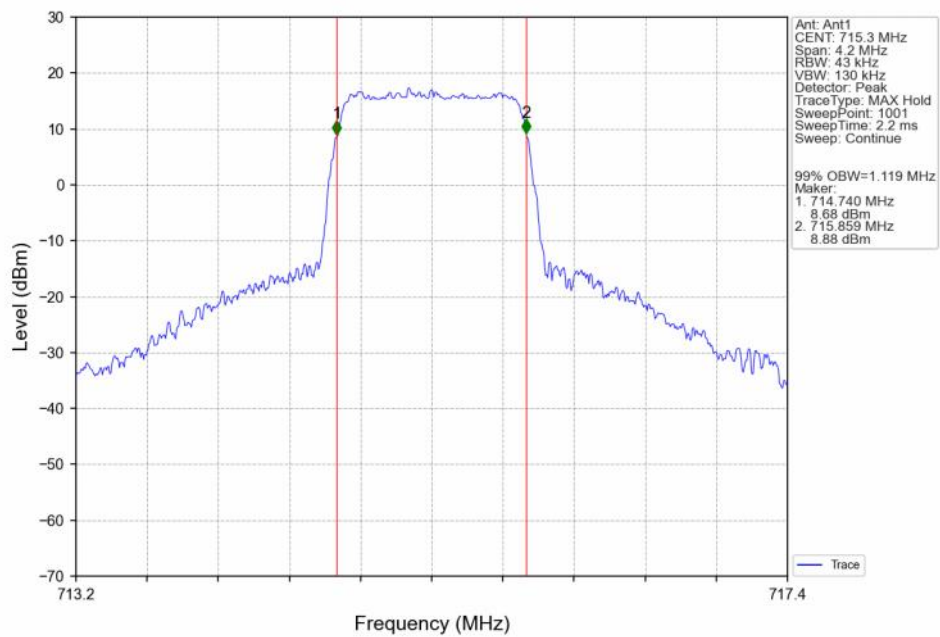
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



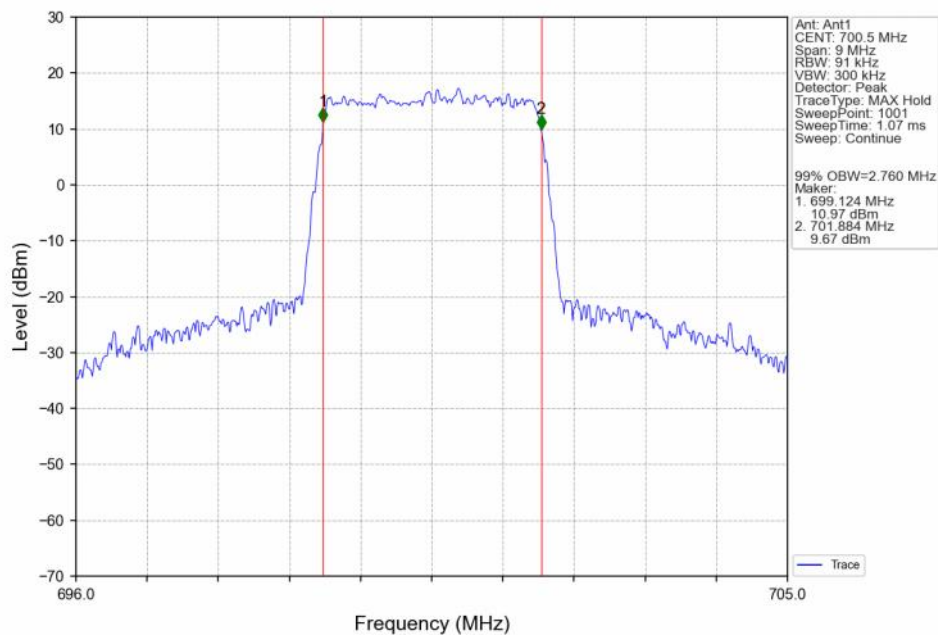
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



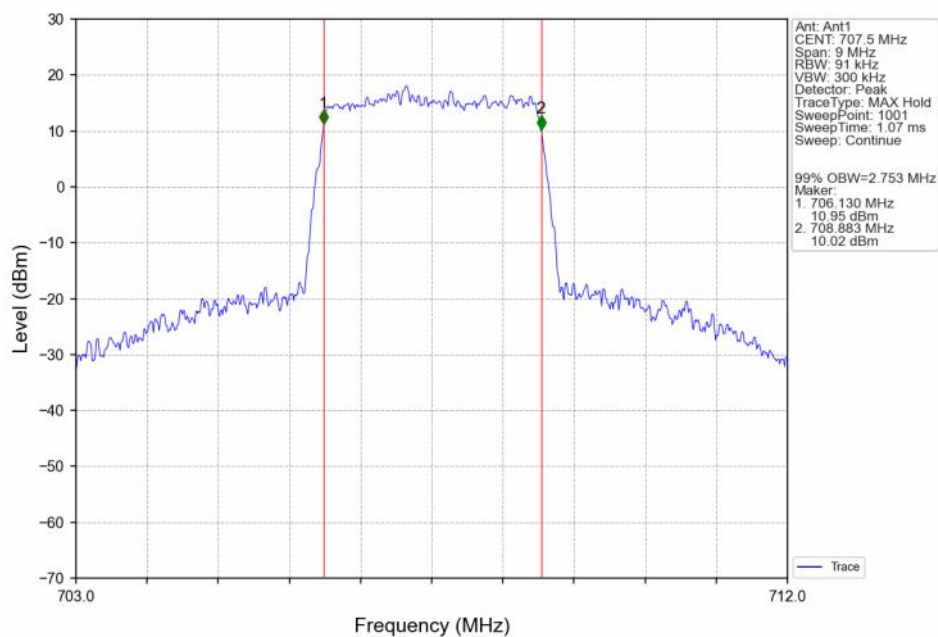
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



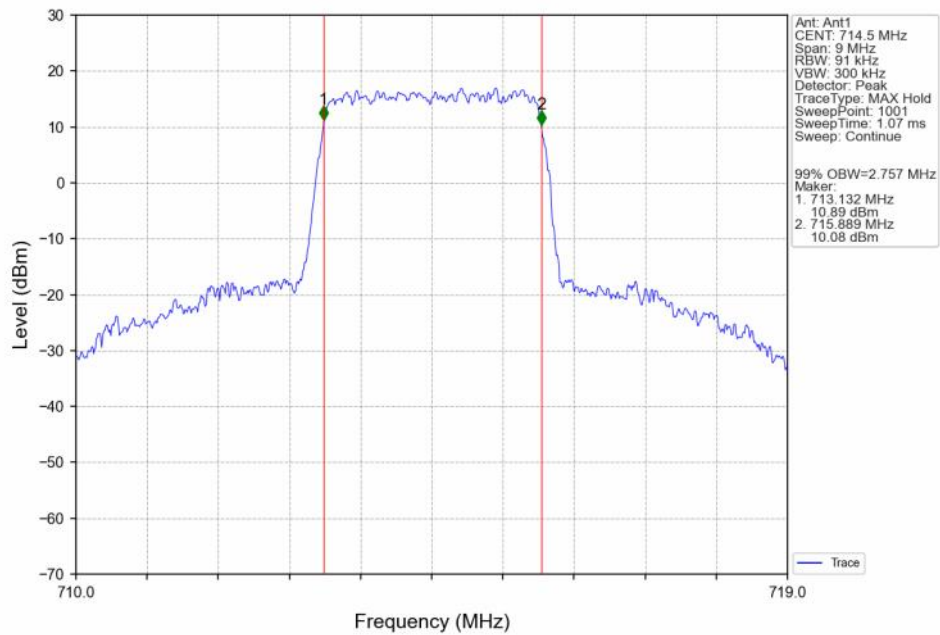
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



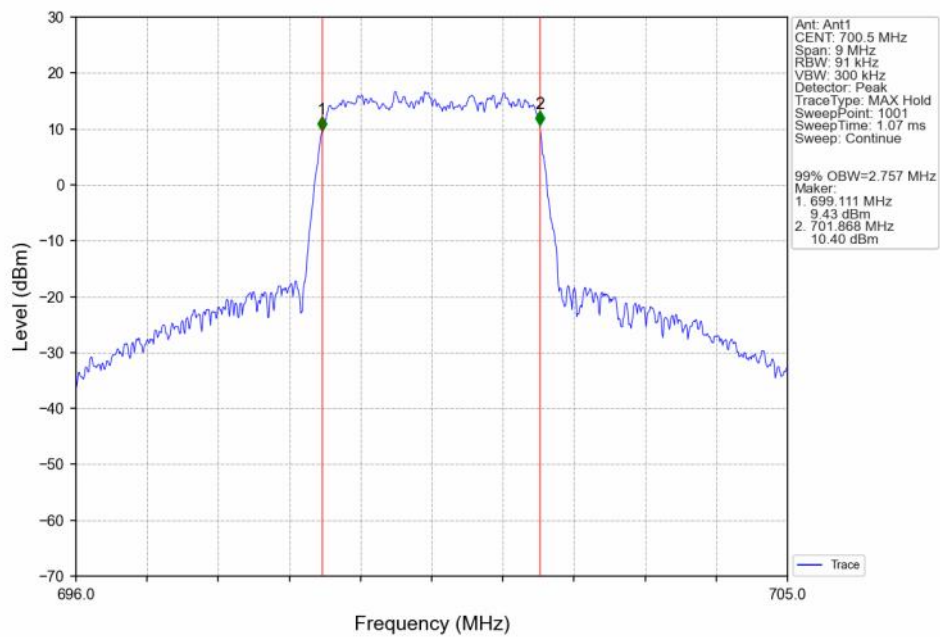
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



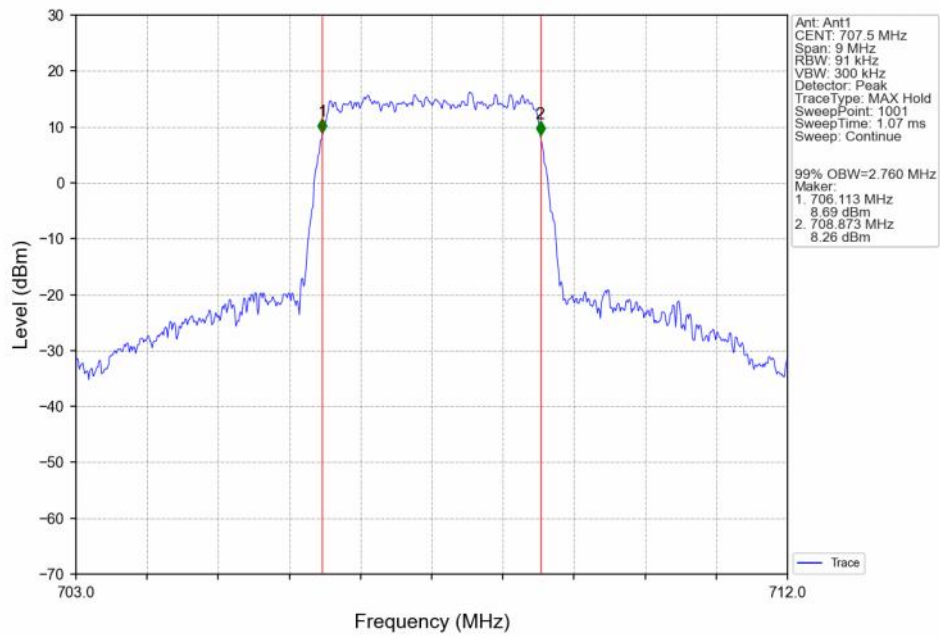
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



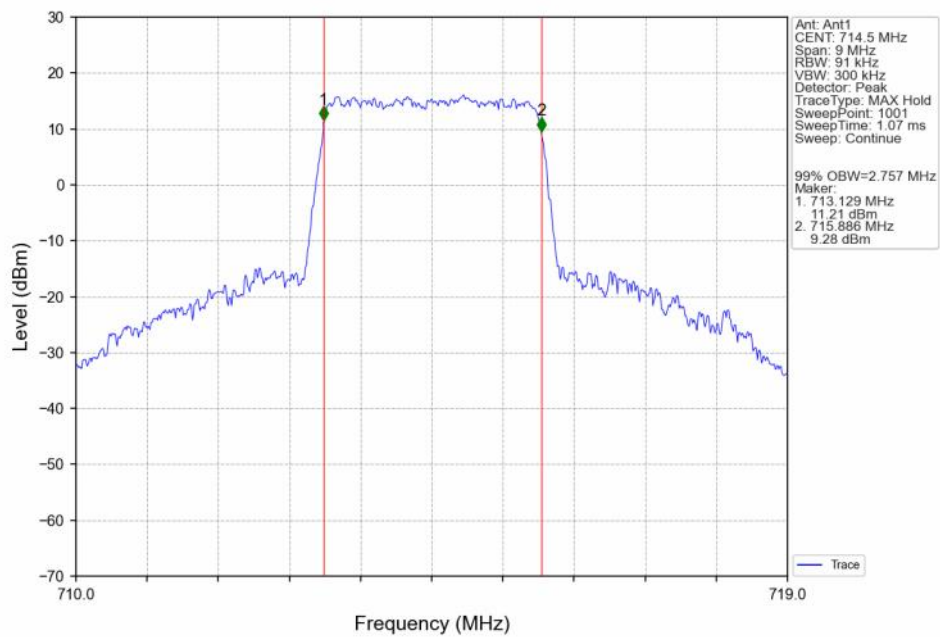
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



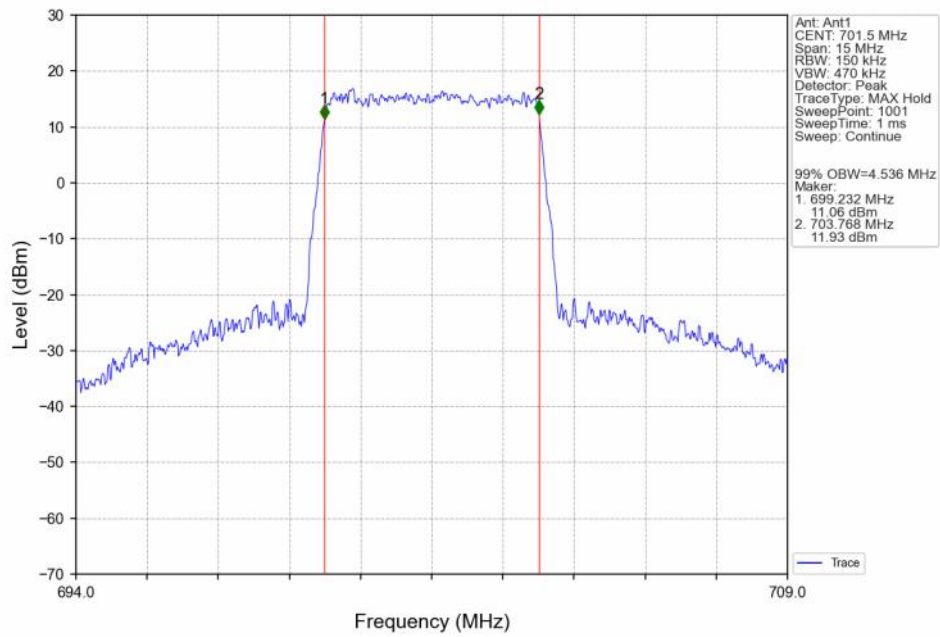
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



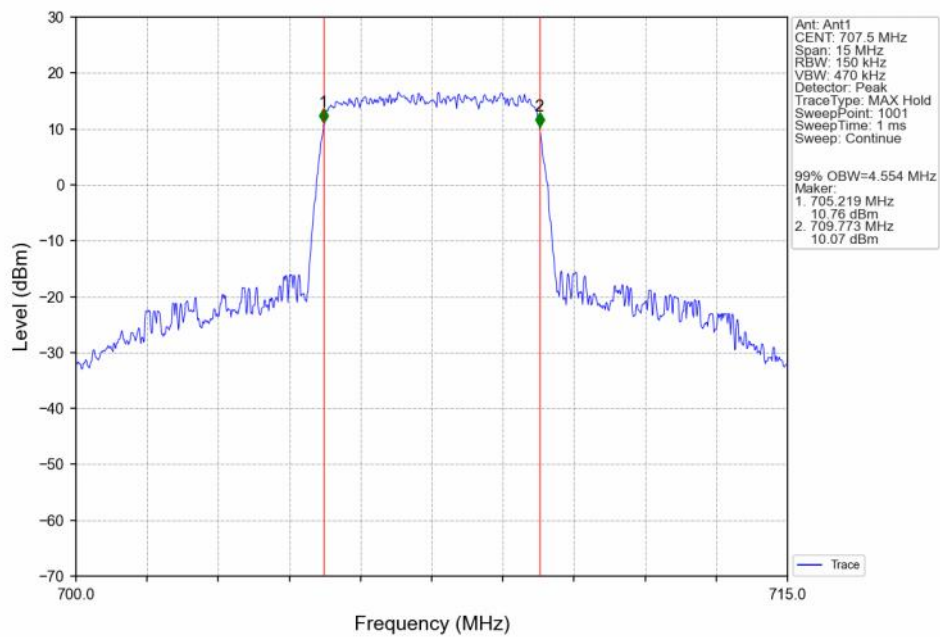
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



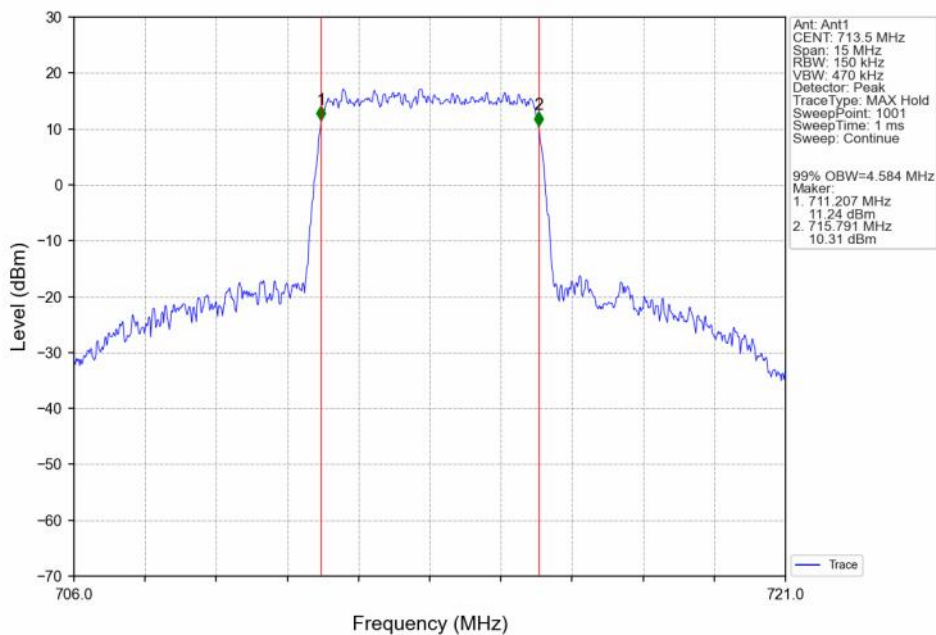
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



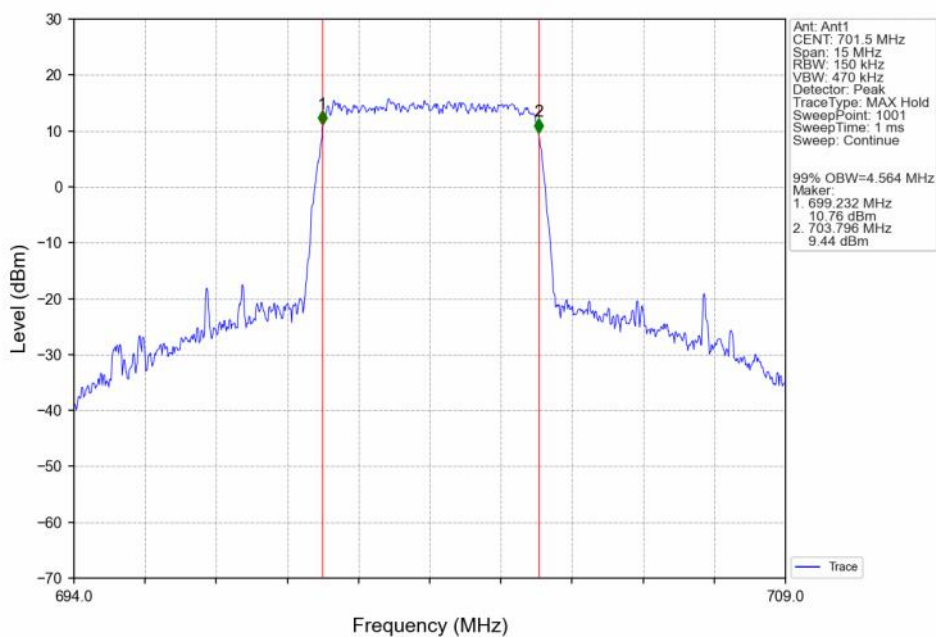
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



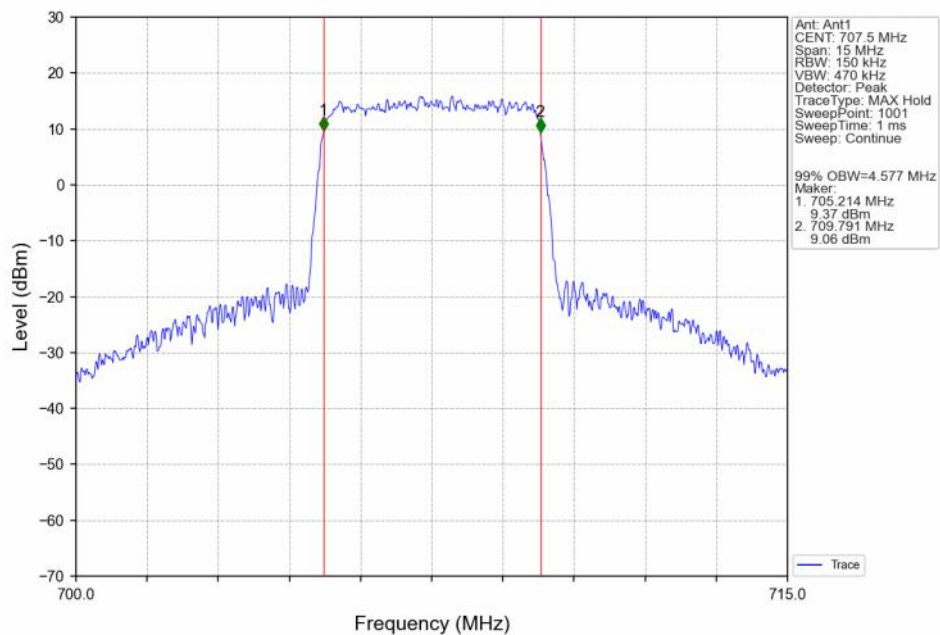
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



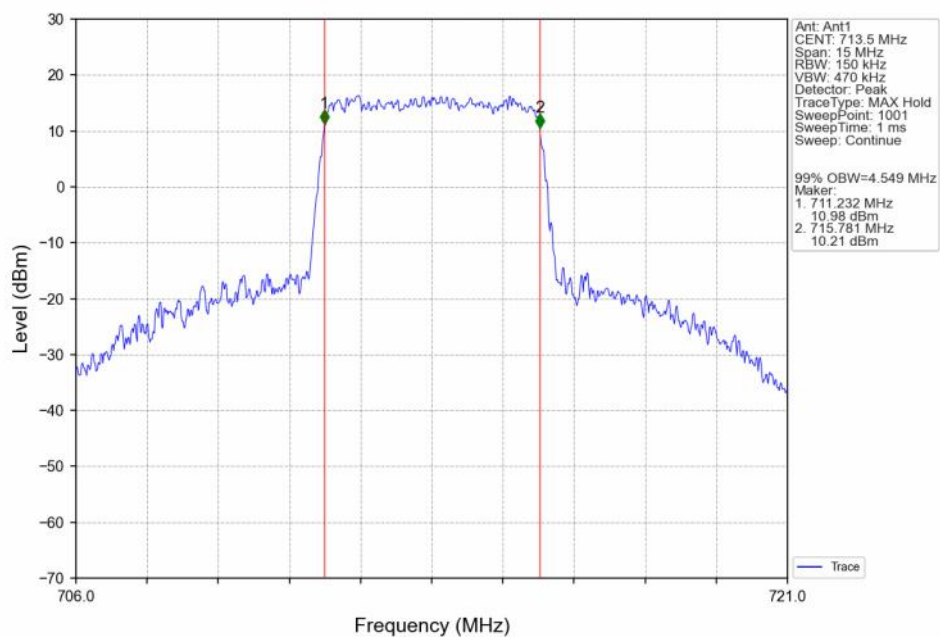
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



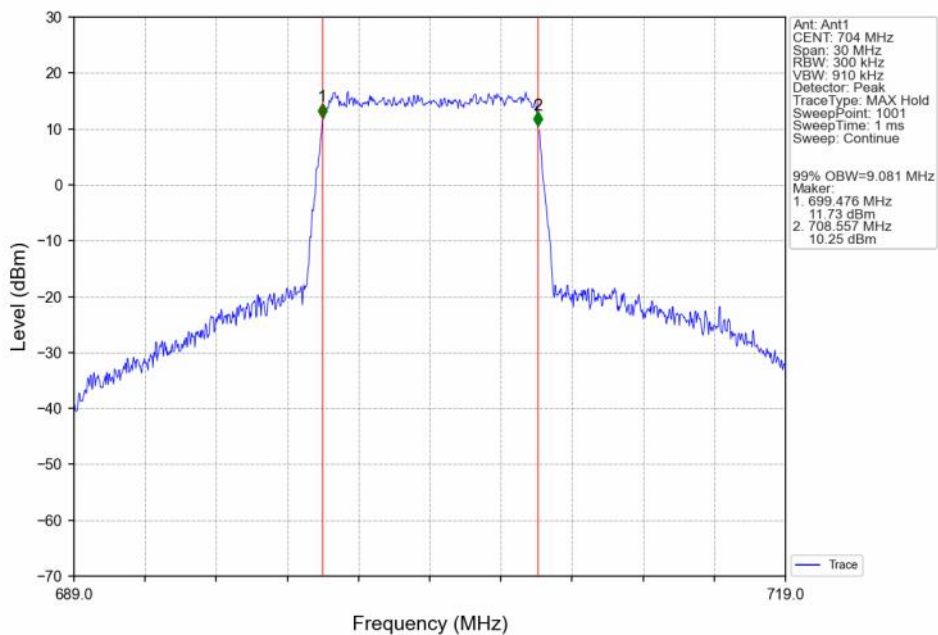
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



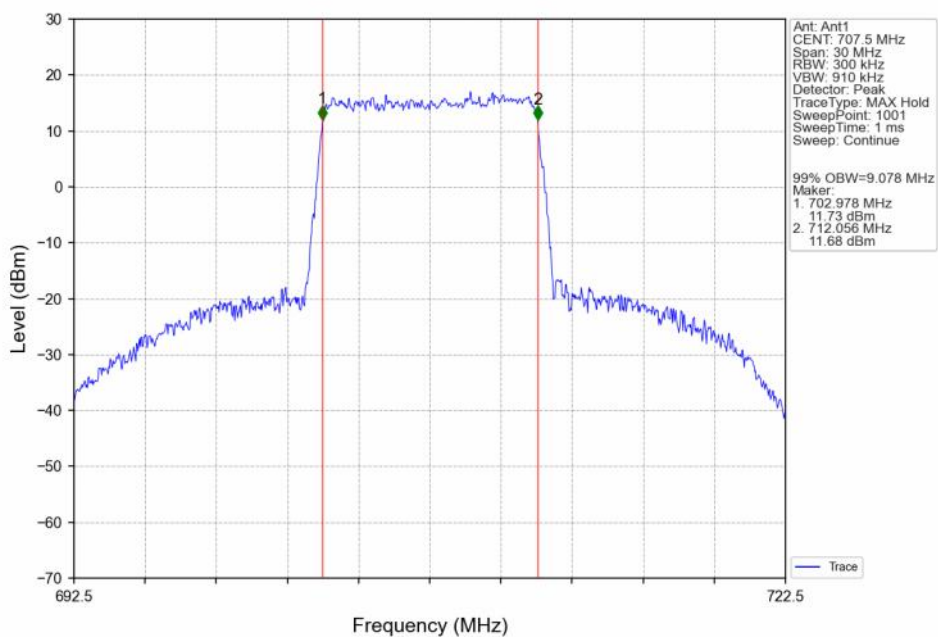
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



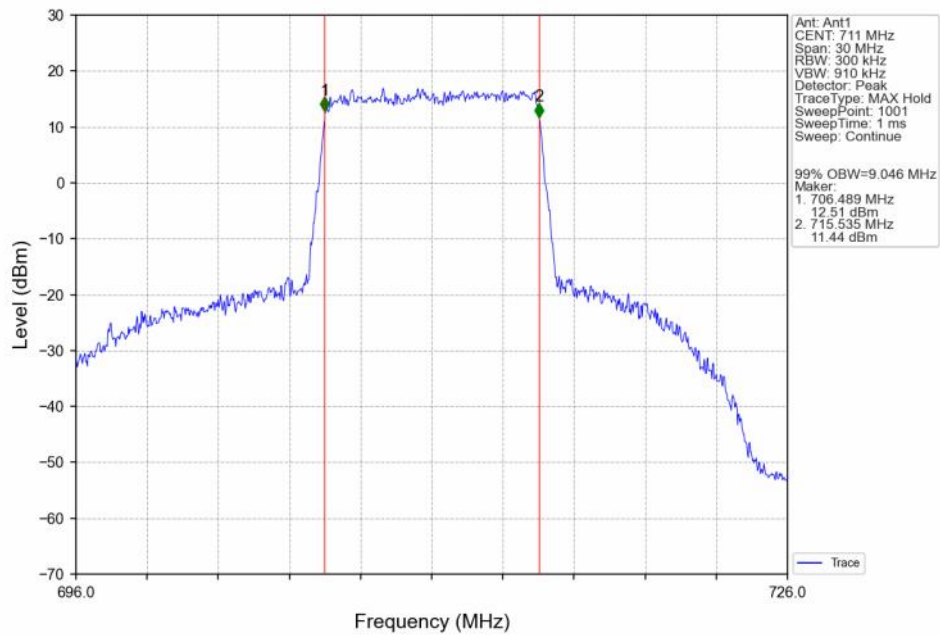
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



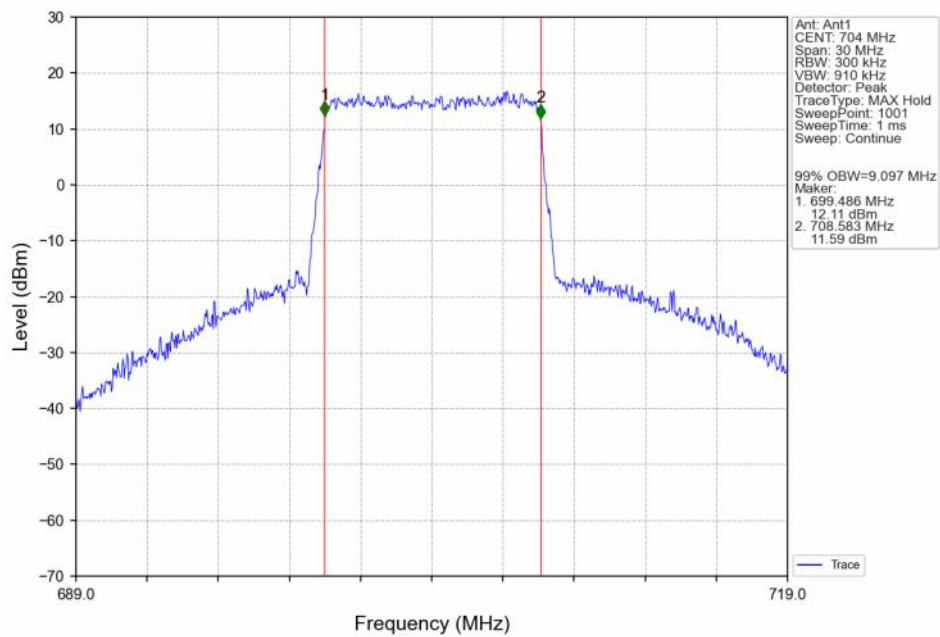
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



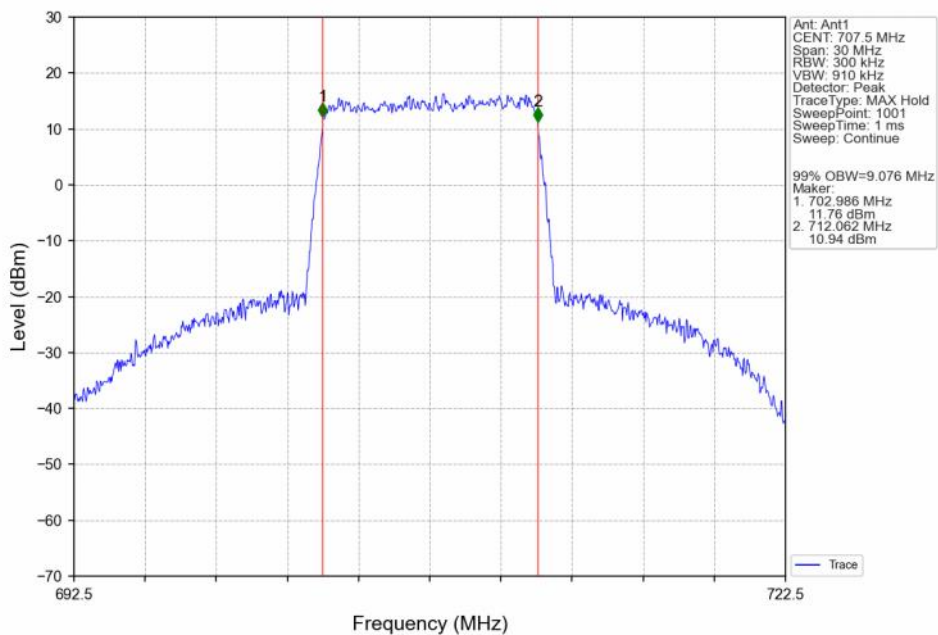
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



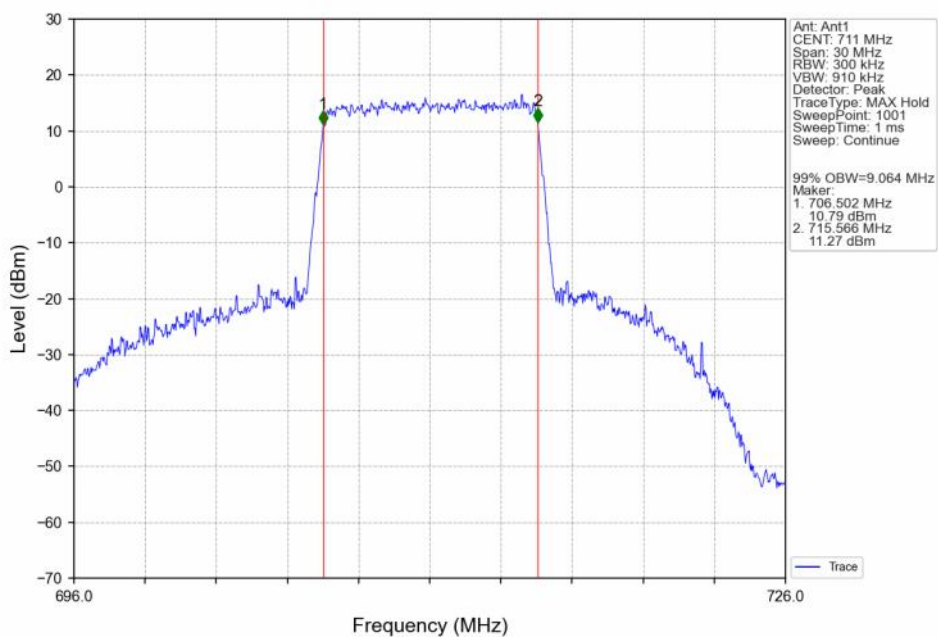
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

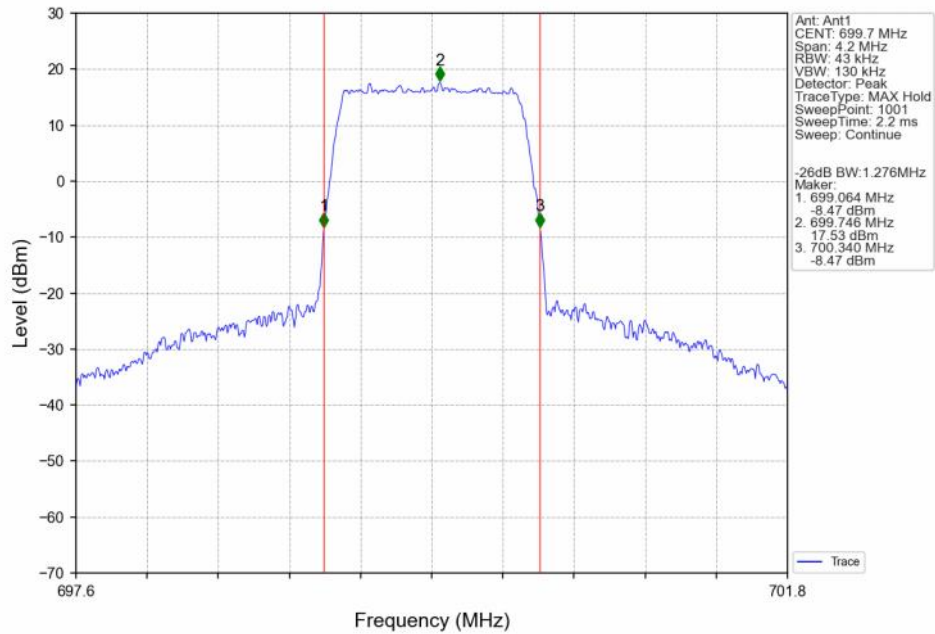


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

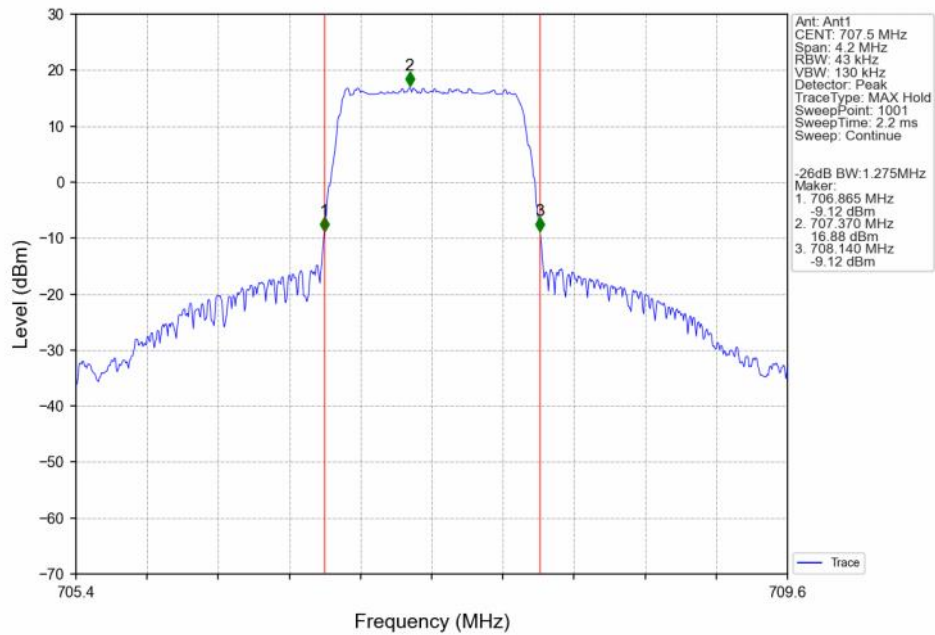


4.2.2 Band12_XDB

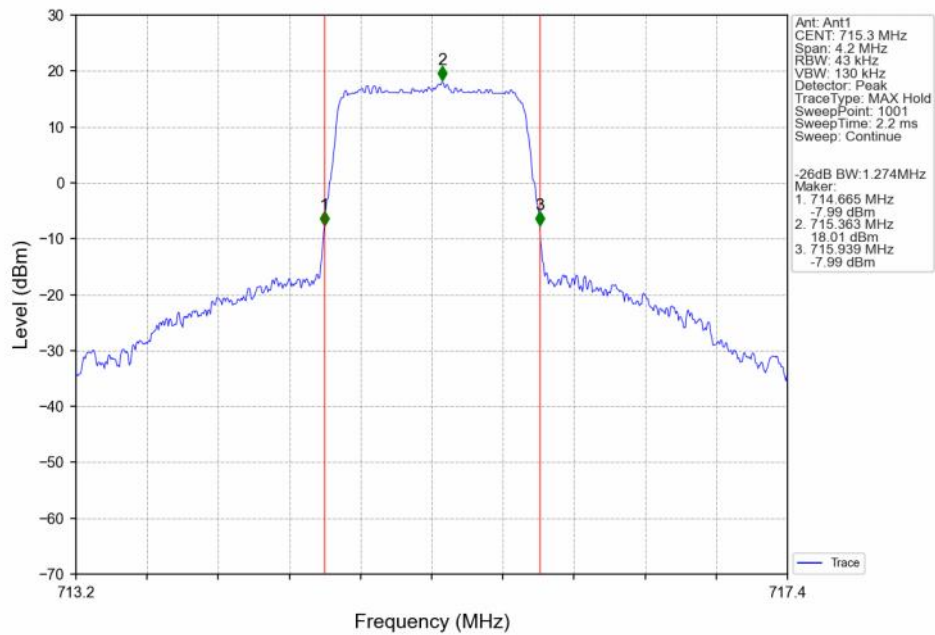
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



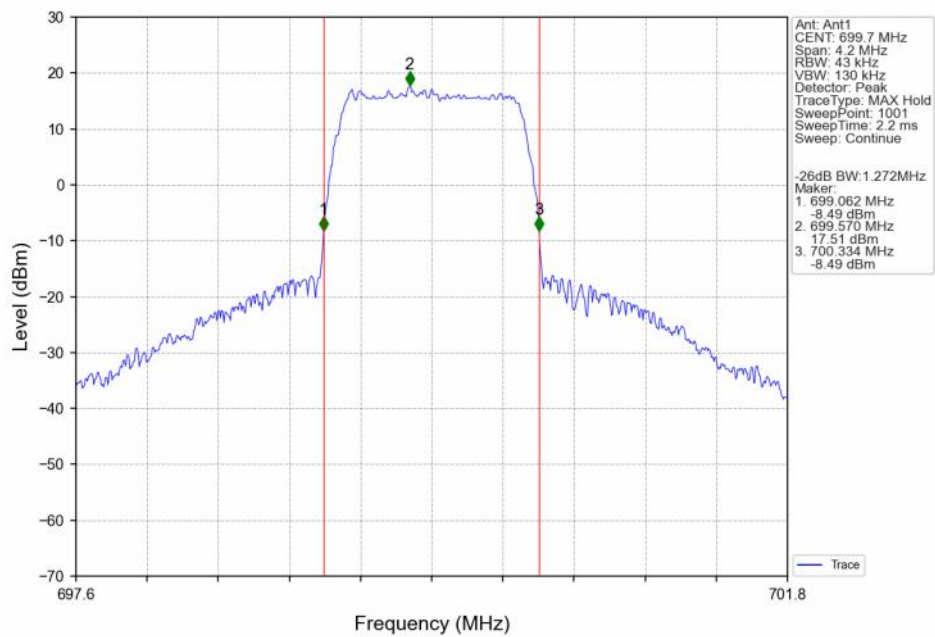
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



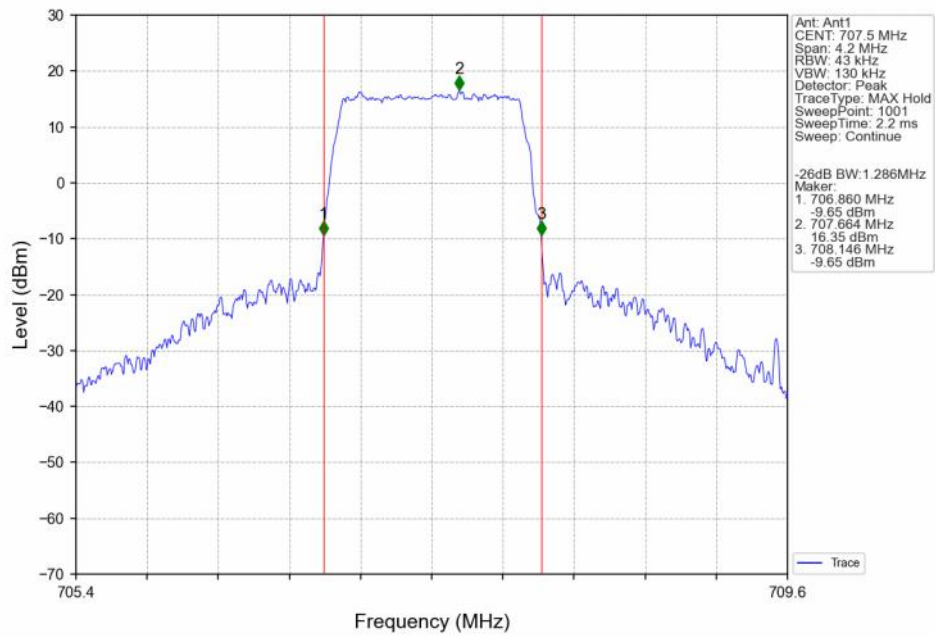
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



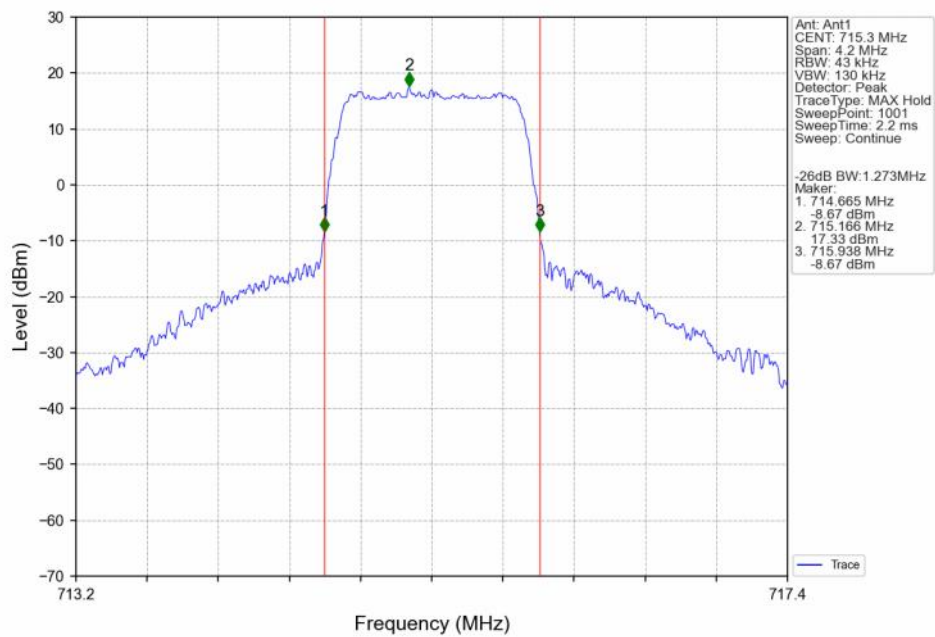
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



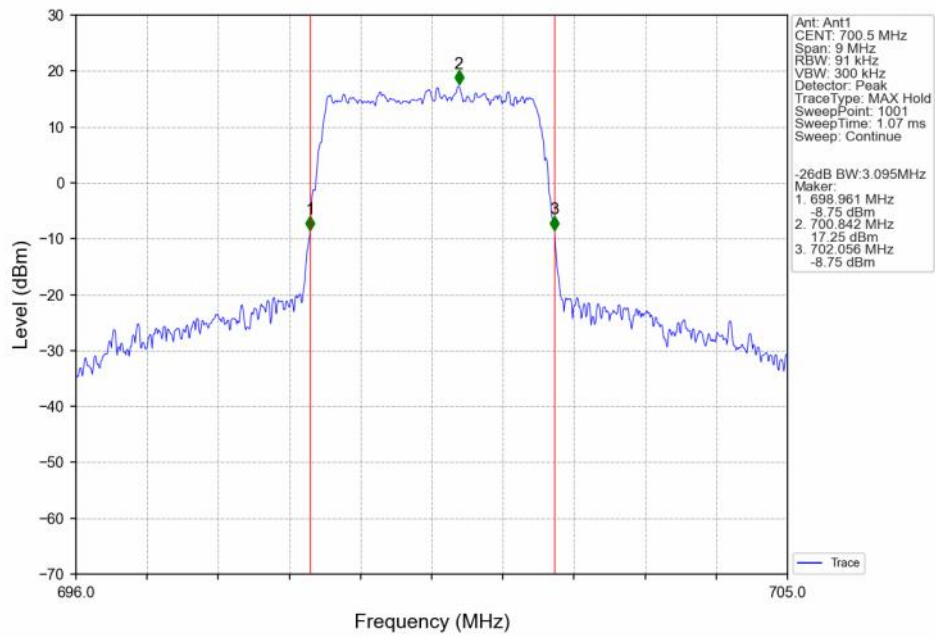
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



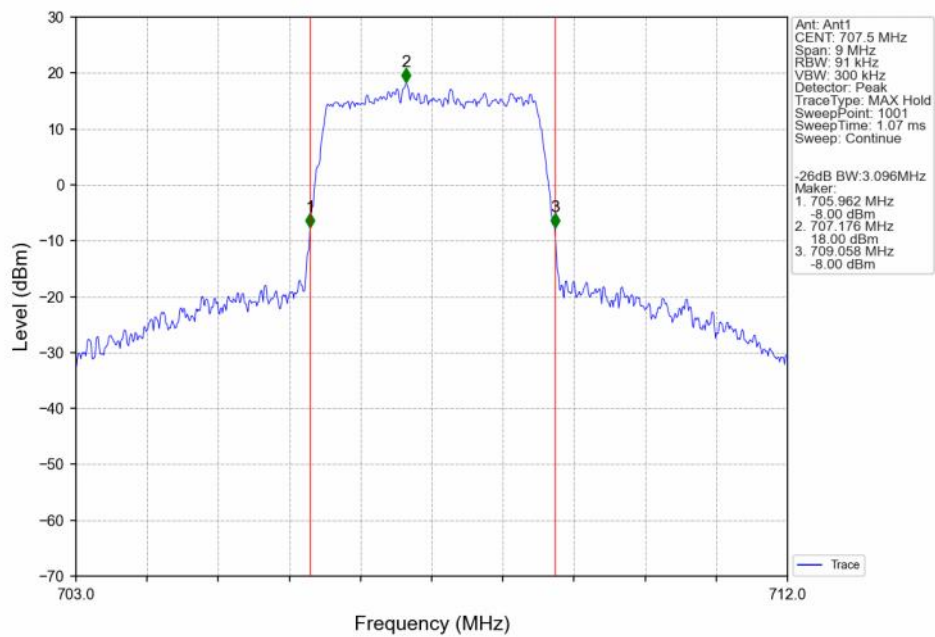
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



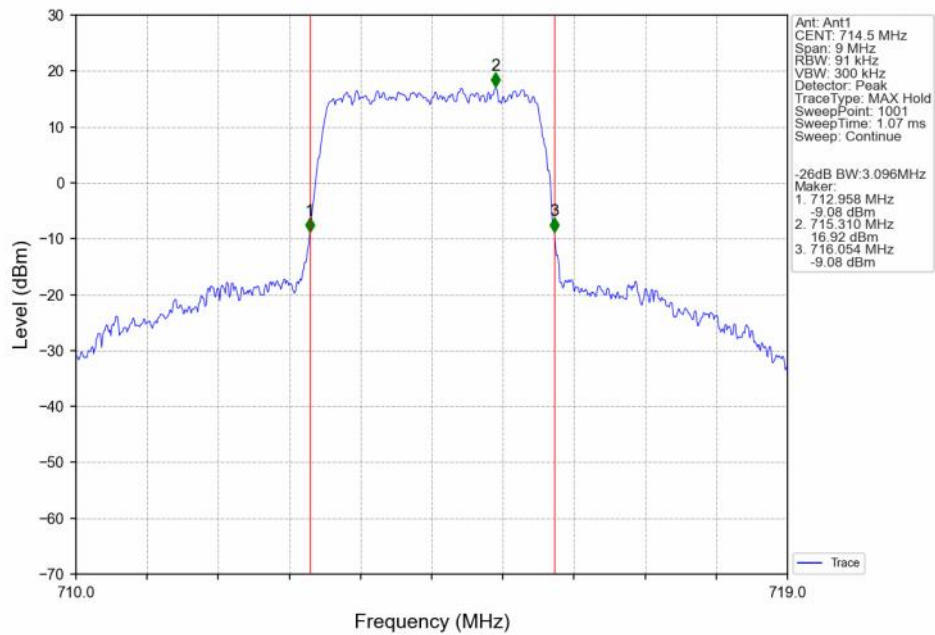
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



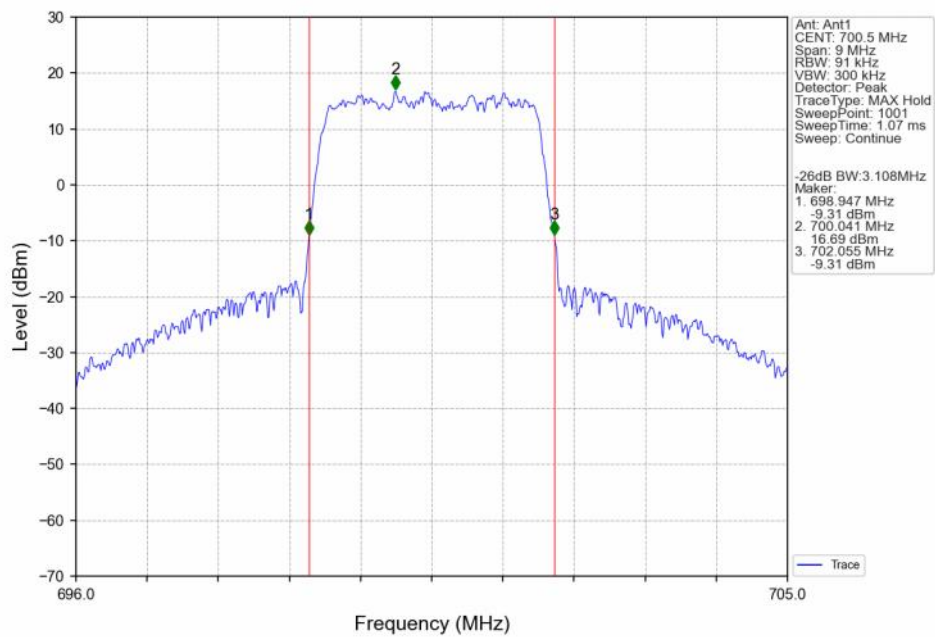
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



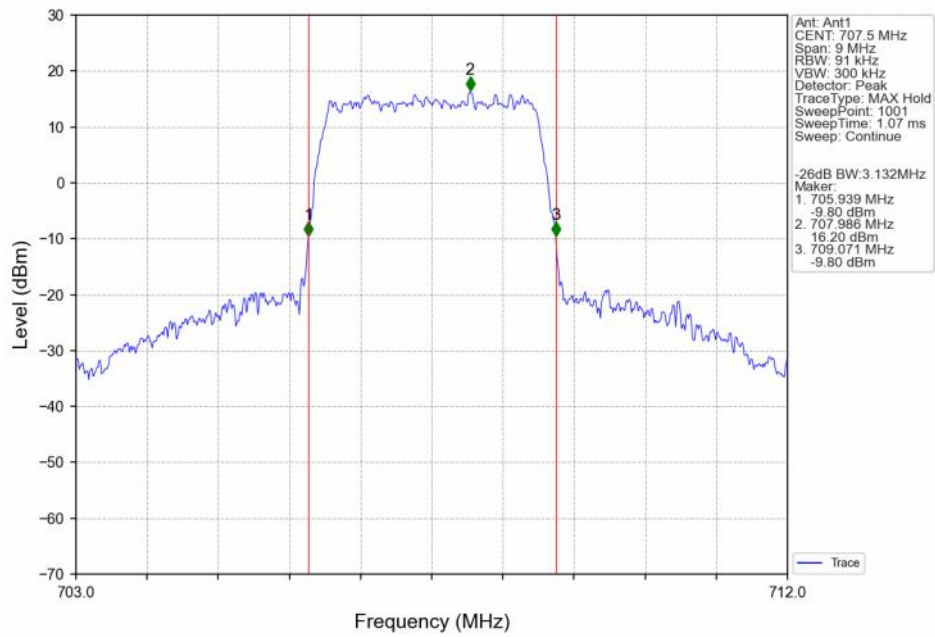
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



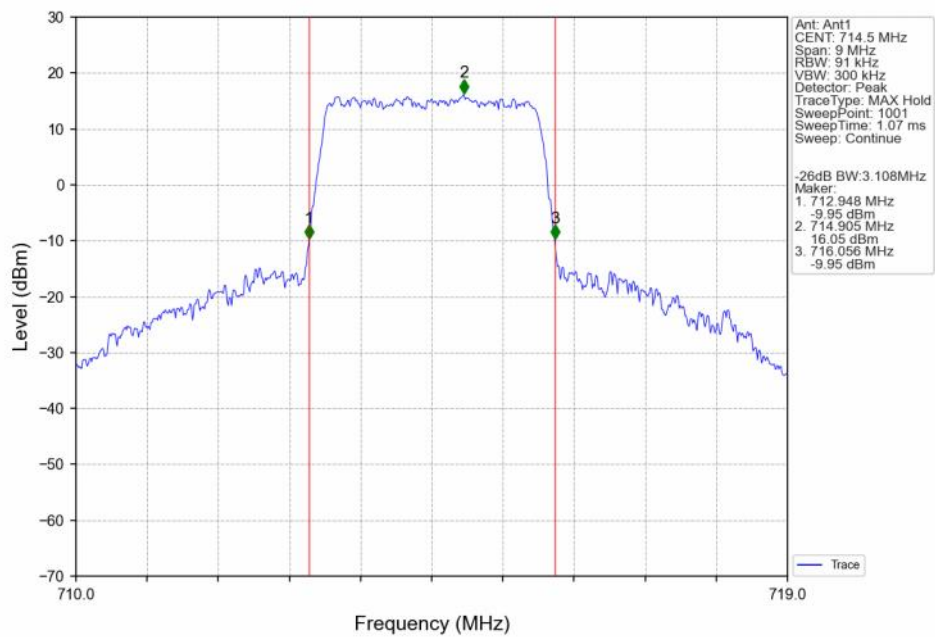
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



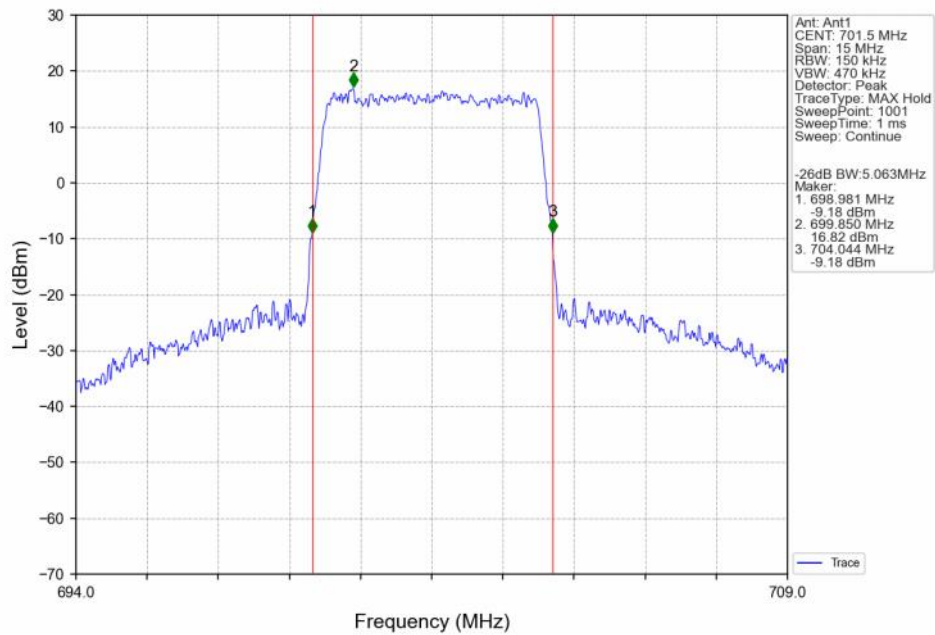
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



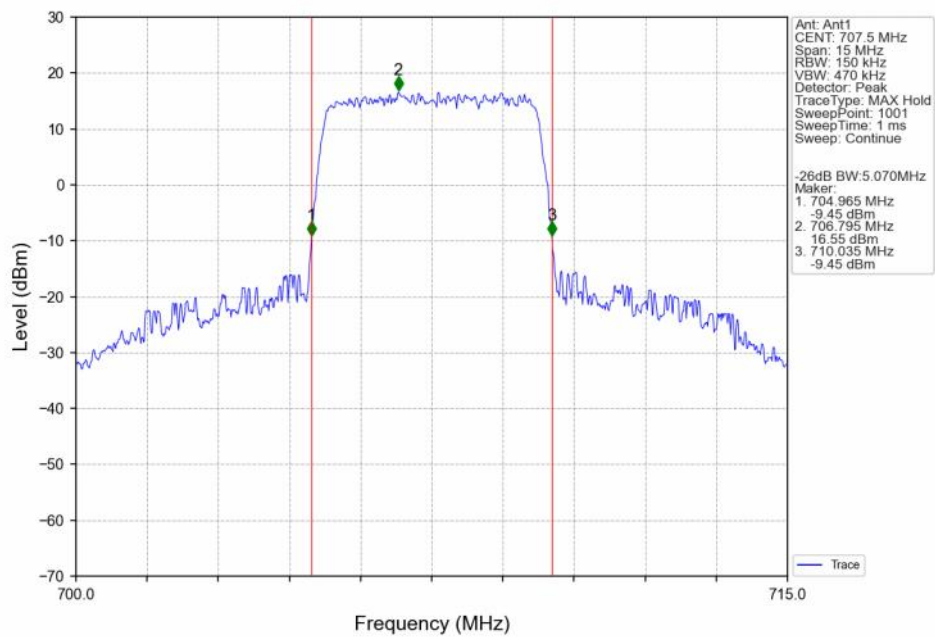
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



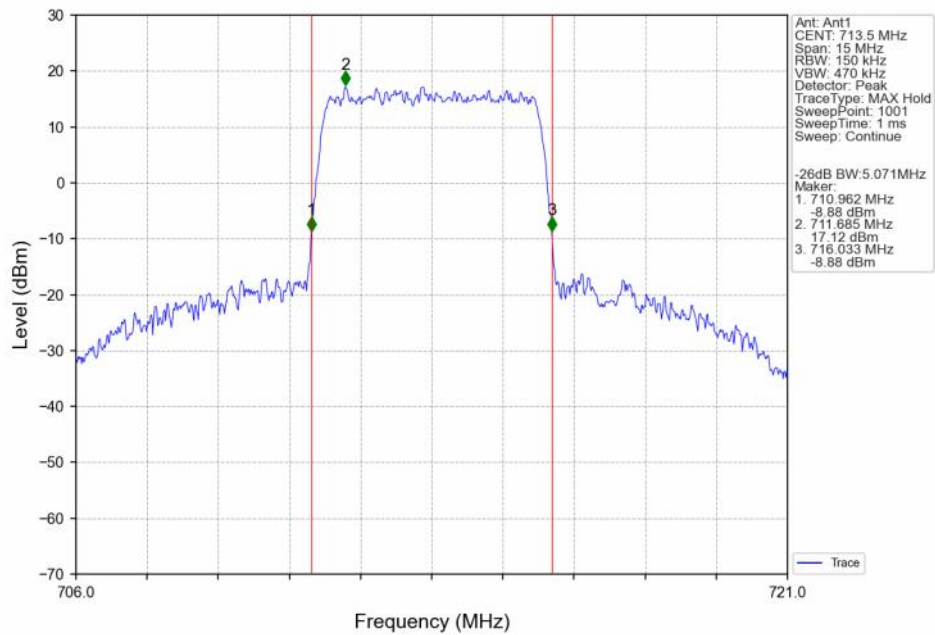
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



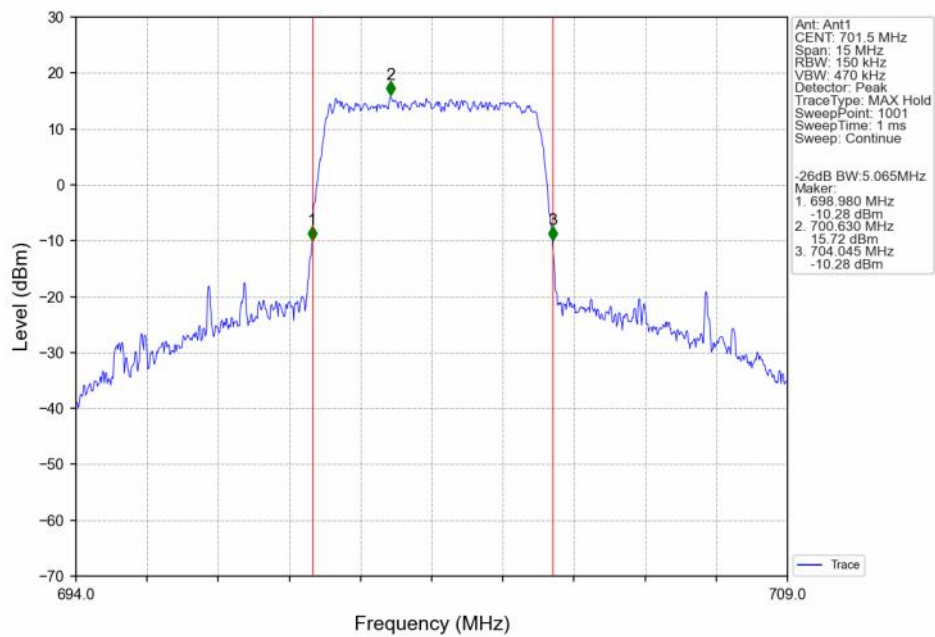
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



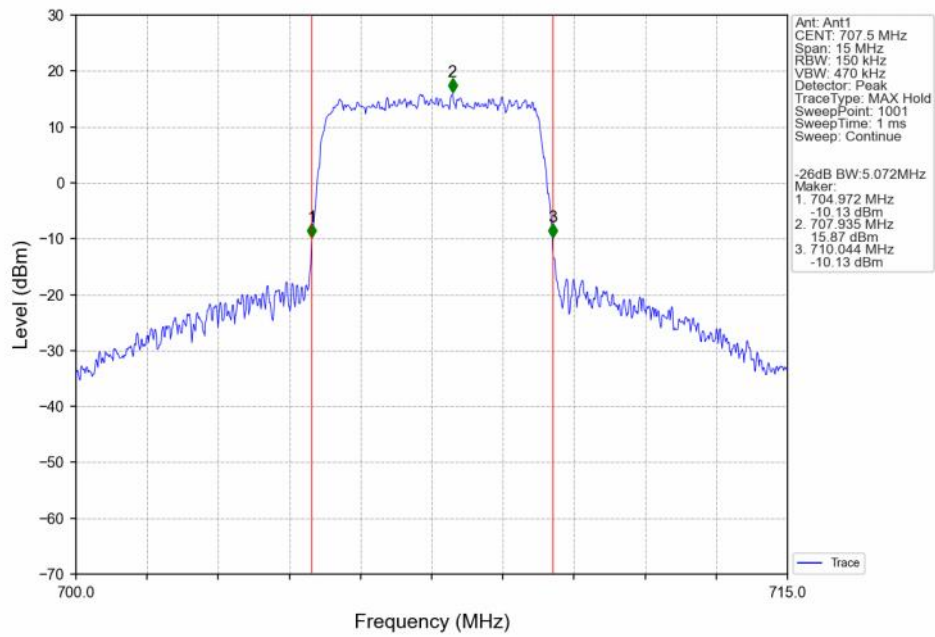
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



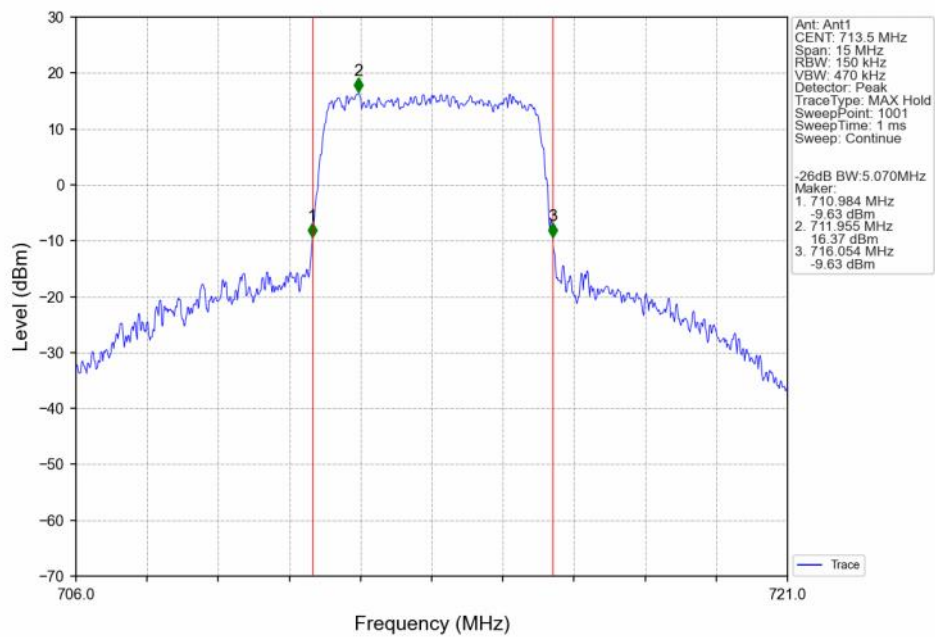
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



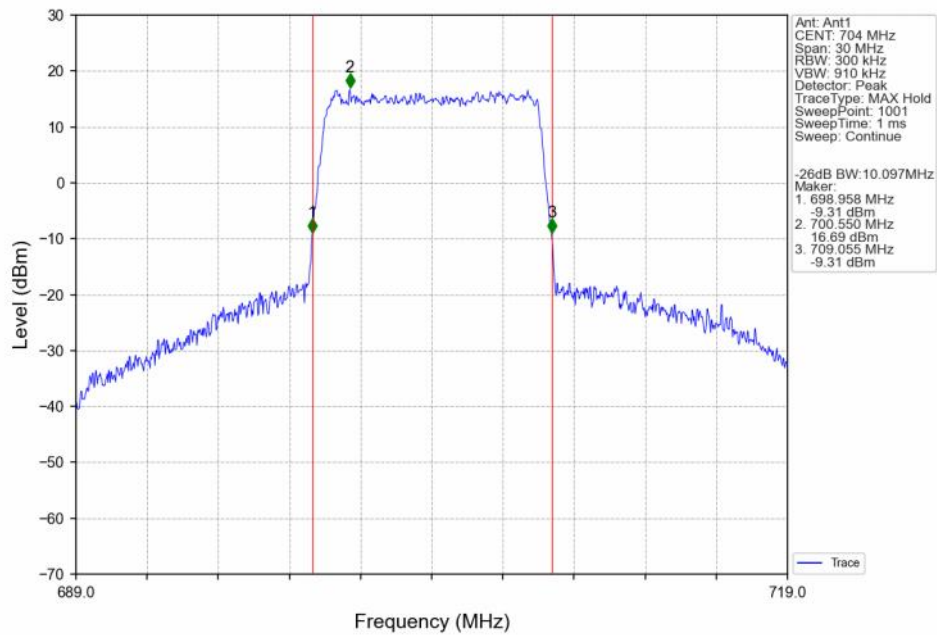
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



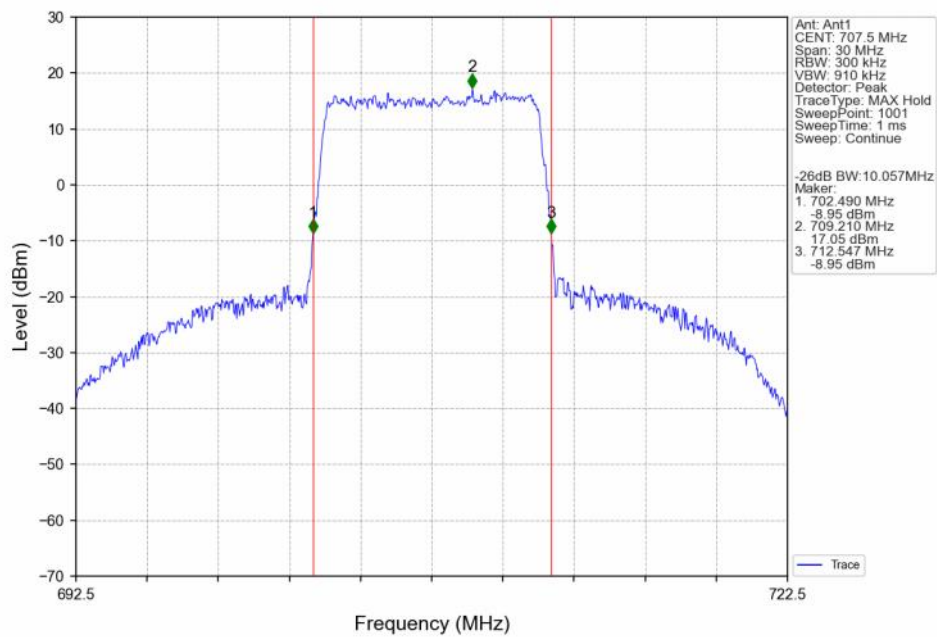
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



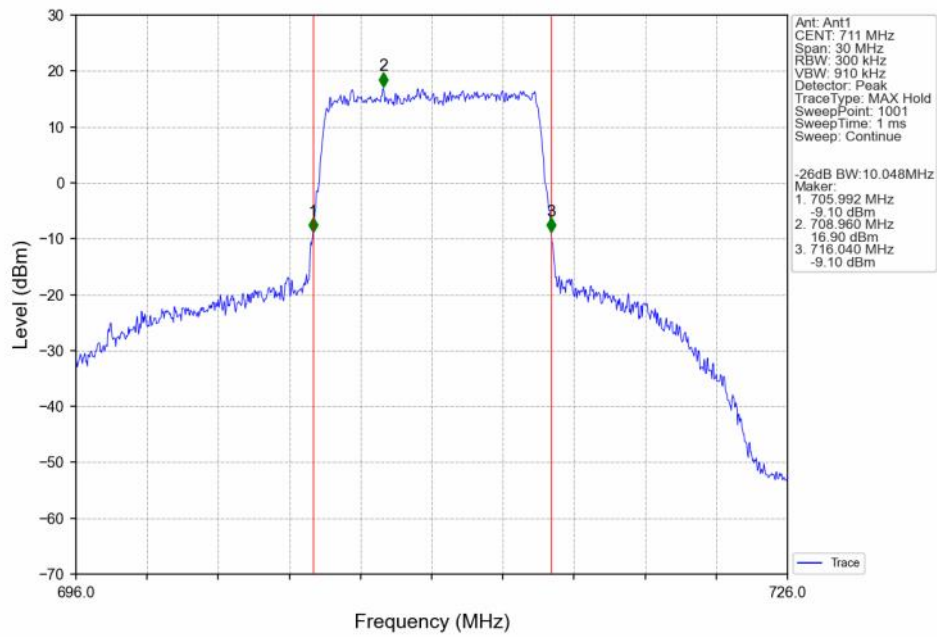
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



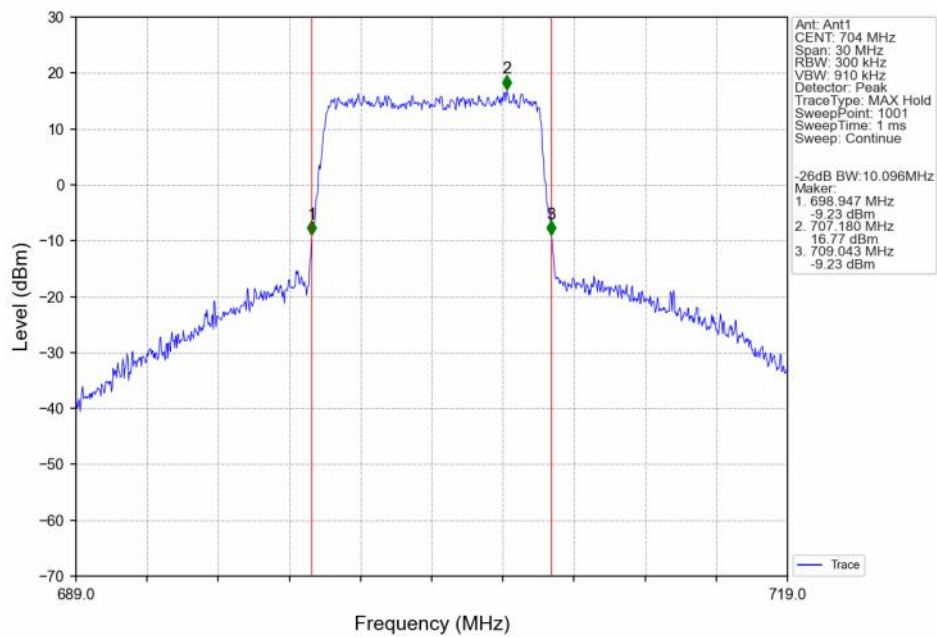
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



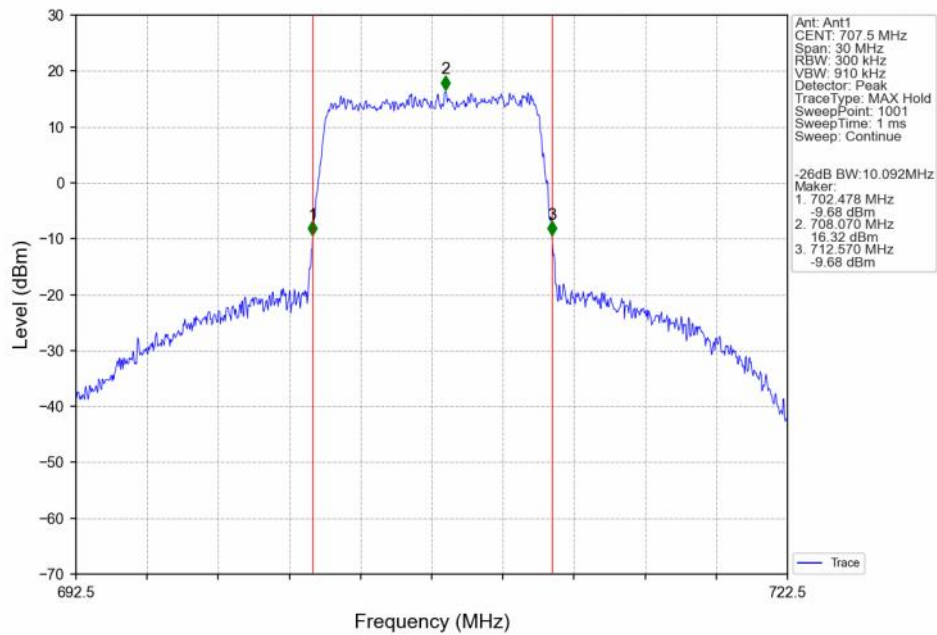
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



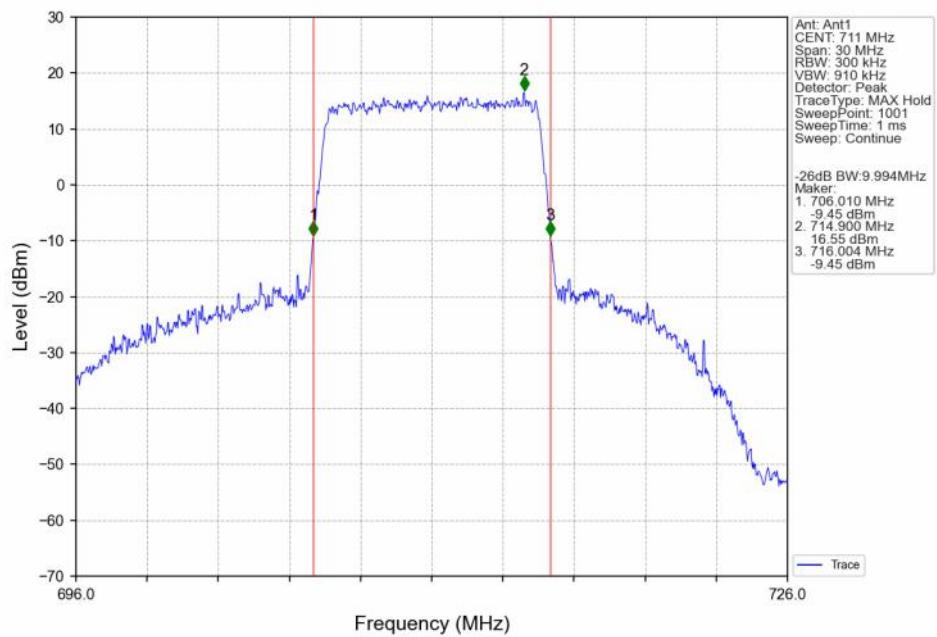
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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 Test Result

5.1.1 B12_1.4MHz

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	5.06	<=13	Pass
	707.5	6	0	4.73	<=13	Pass
	715.3	6	0	4.44	<=13	Pass
16QAM	699.7	6	0	5.68	<=13	Pass
	707.5	6	0	5.52	<=13	Pass
	715.3	6	0	5.06	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.22	<=13	Pass
	707.5	15	0	4.84	<=13	Pass
	714.5	15	0	4.73	<=13	Pass
16QAM	700.5	15	0	5.84	<=13	Pass
	707.5	15	0	5.69	<=13	Pass
	714.5	15	0	5.35	<=13	Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.30	<=13	Pass
	707.5	25	0	5.12	<=13	Pass
	713.5	25	0	5.04	<=13	Pass
16QAM	701.5	25	0	6.07	<=13	Pass
	707.5	25	0	5.90	<=13	Pass
	713.5	25	0	5.60	<=13	Pass

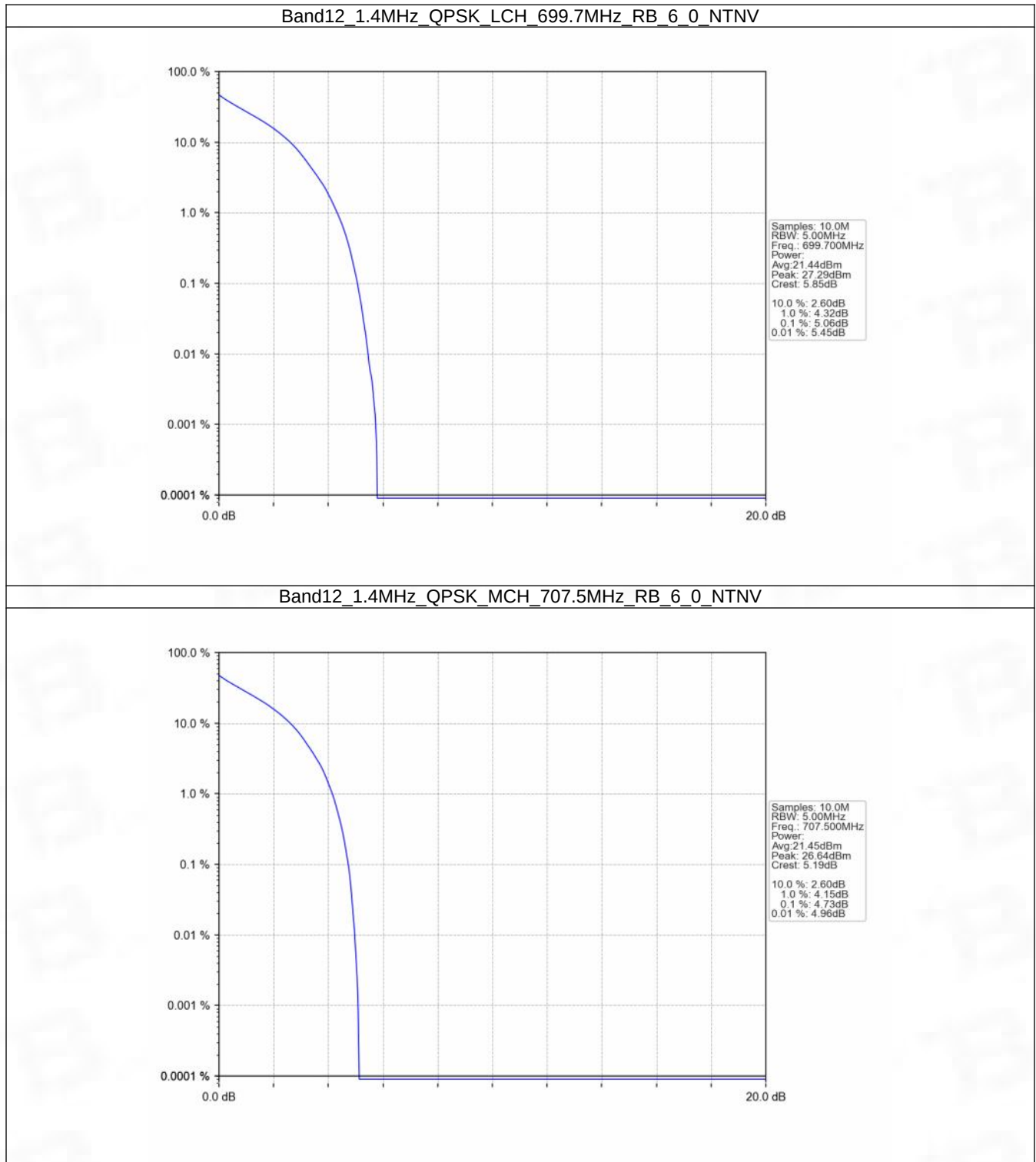
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.32	<=13	Pass
	707.5	50	0	5.25	<=13	Pass
	711	50	0	5.10	<=13	Pass
16QAM	704	50	0	5.87	<=13	Pass
	707.5	50	0	5.92	<=13	Pass

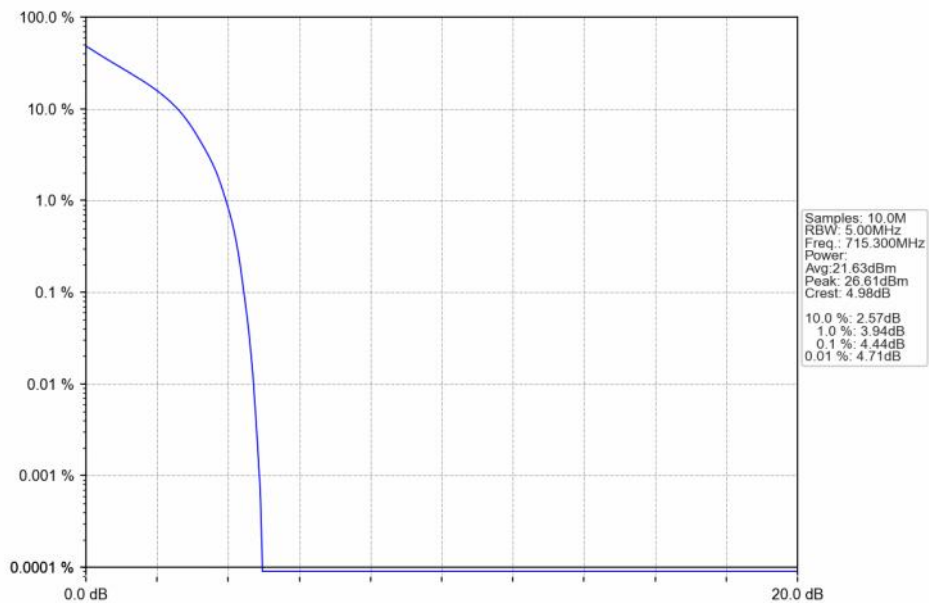
	711	50	0	5.89	<=13	Pass
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5.2 Test Graph

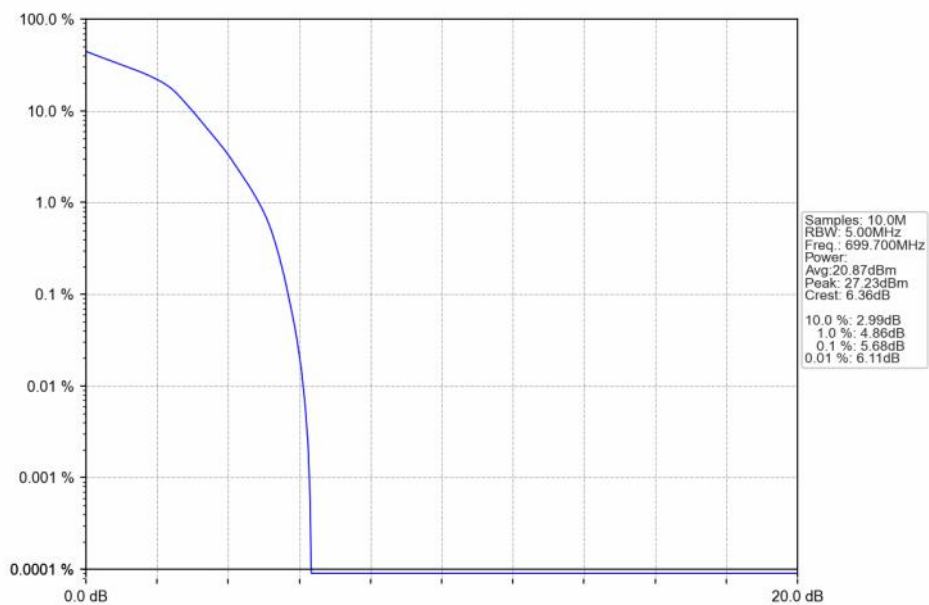
5.2.1 B12_1.4MHz



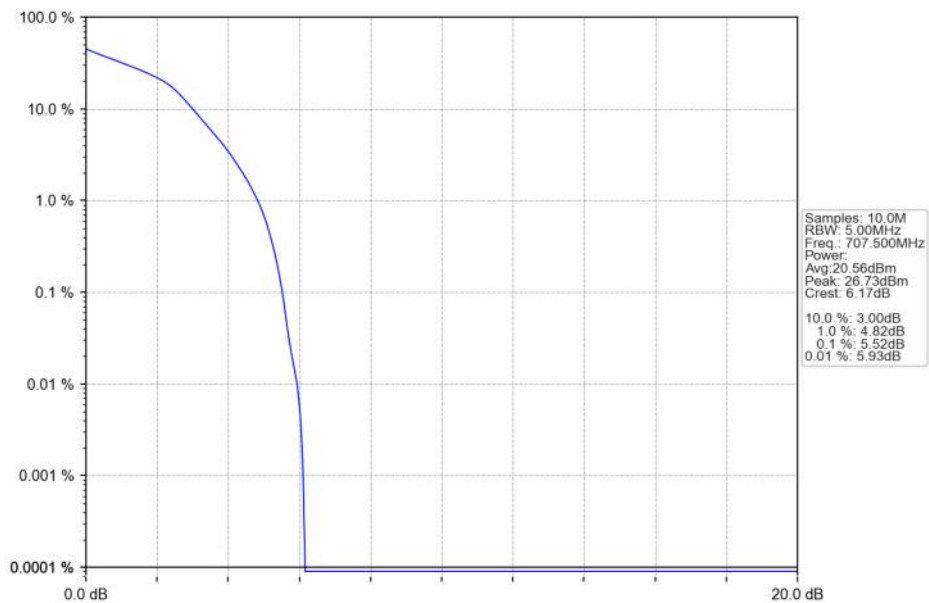
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



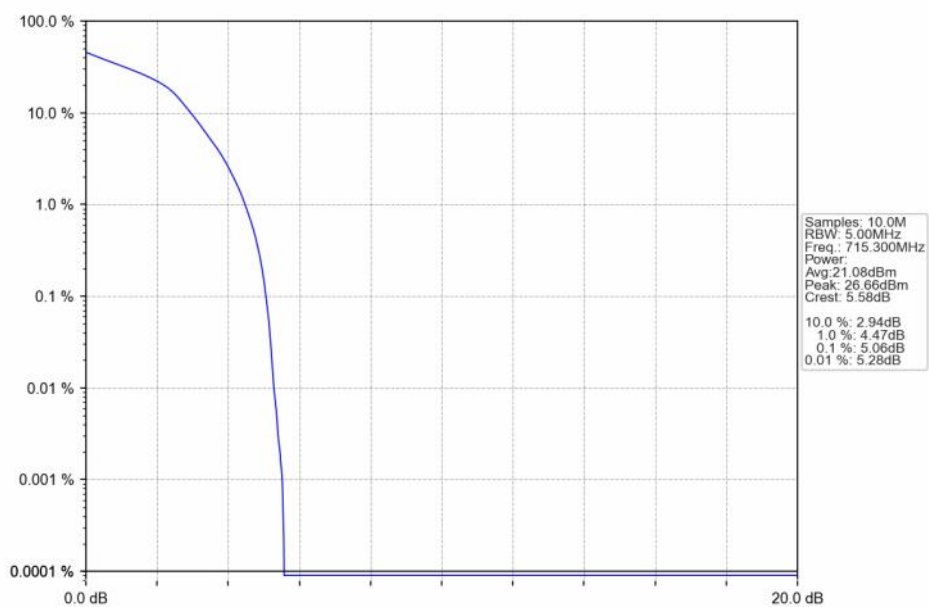
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



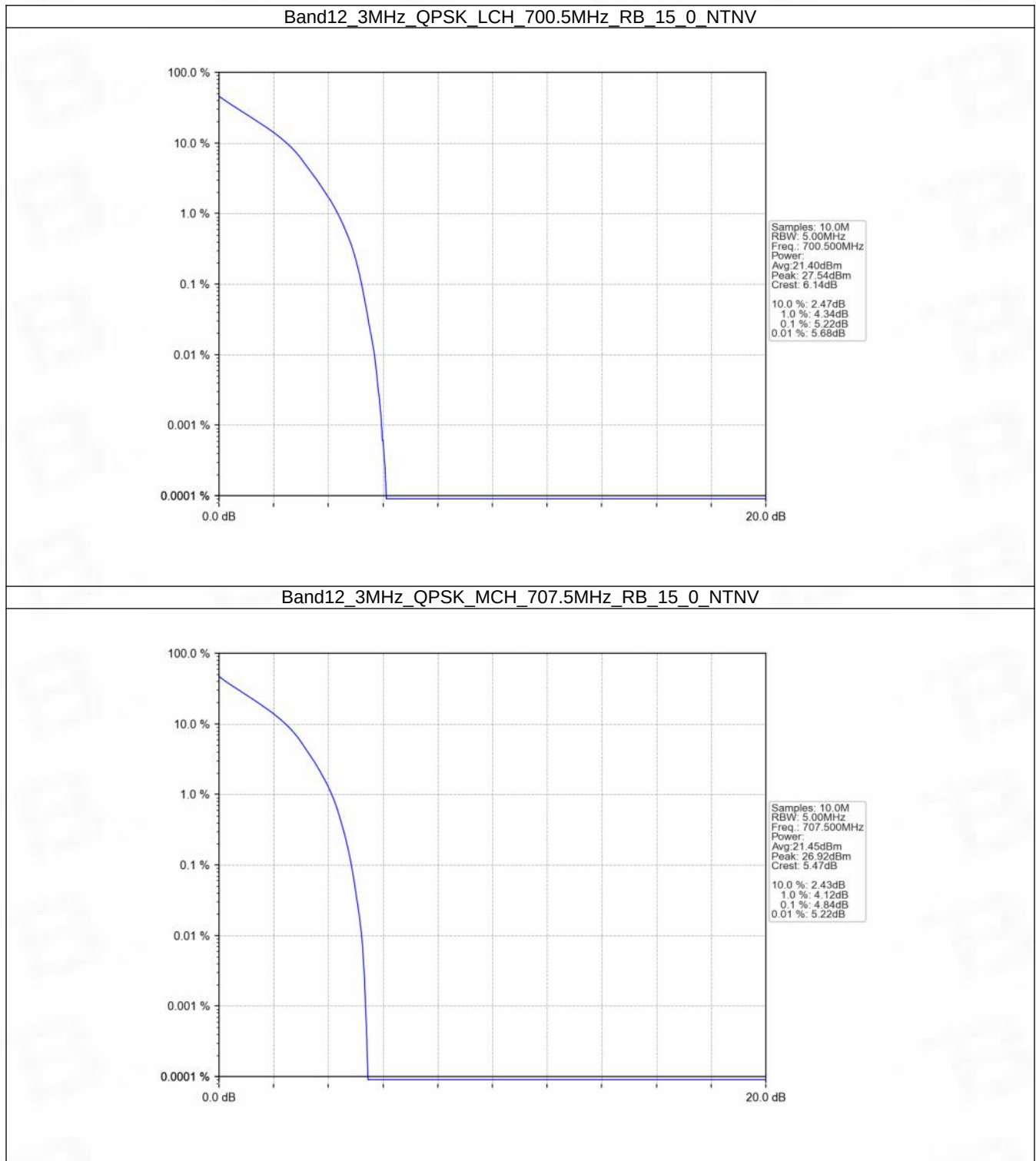
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



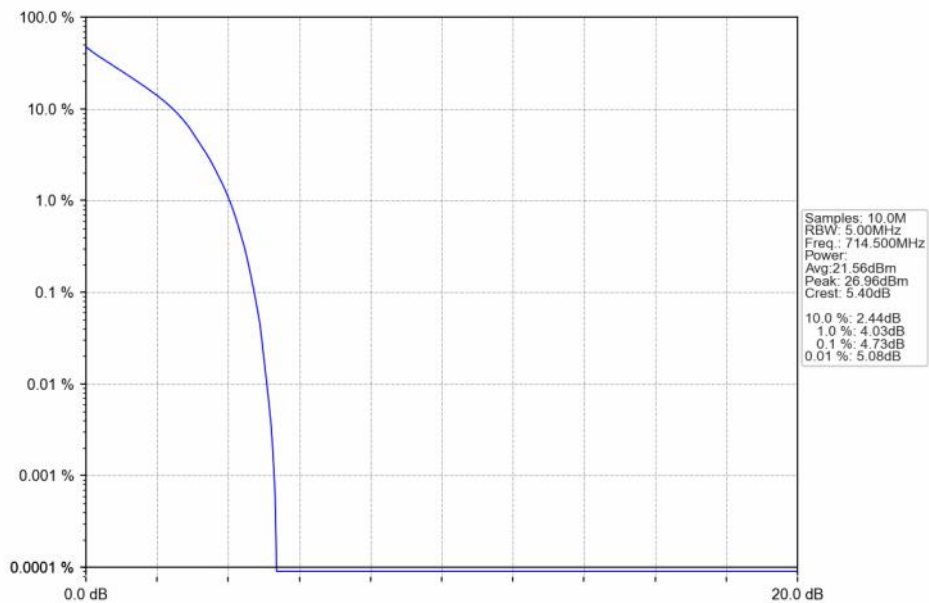
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



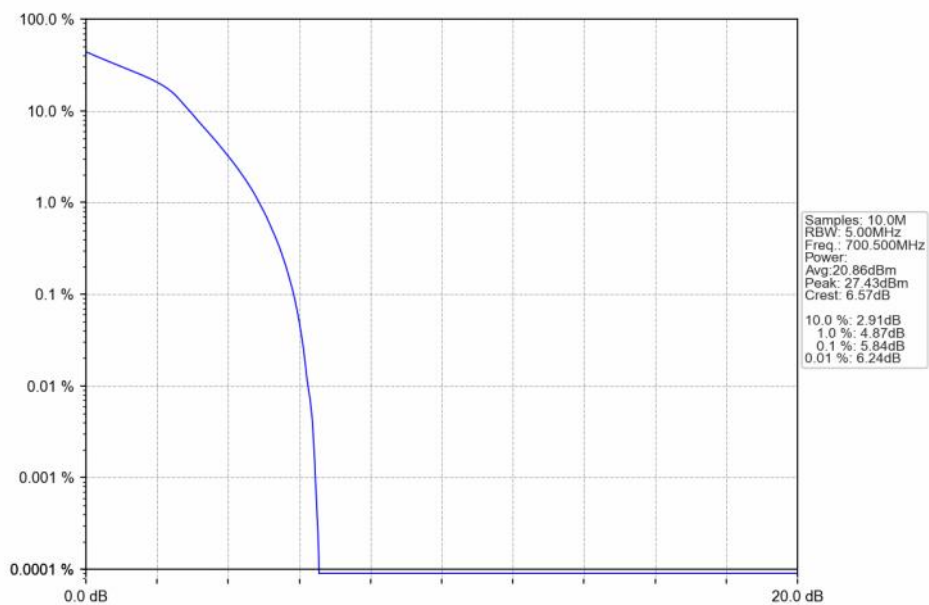
5.2.2 B12_3MHz



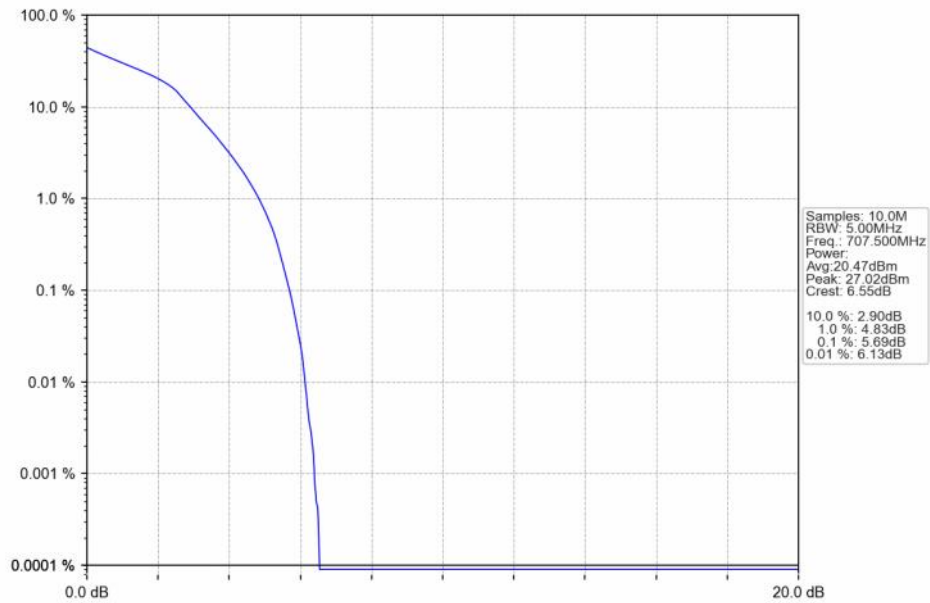
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



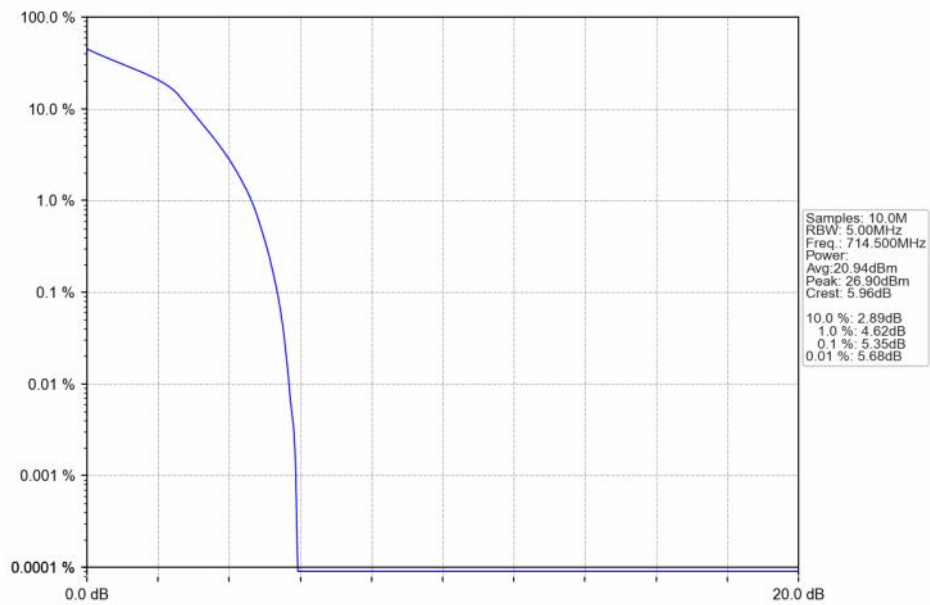
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



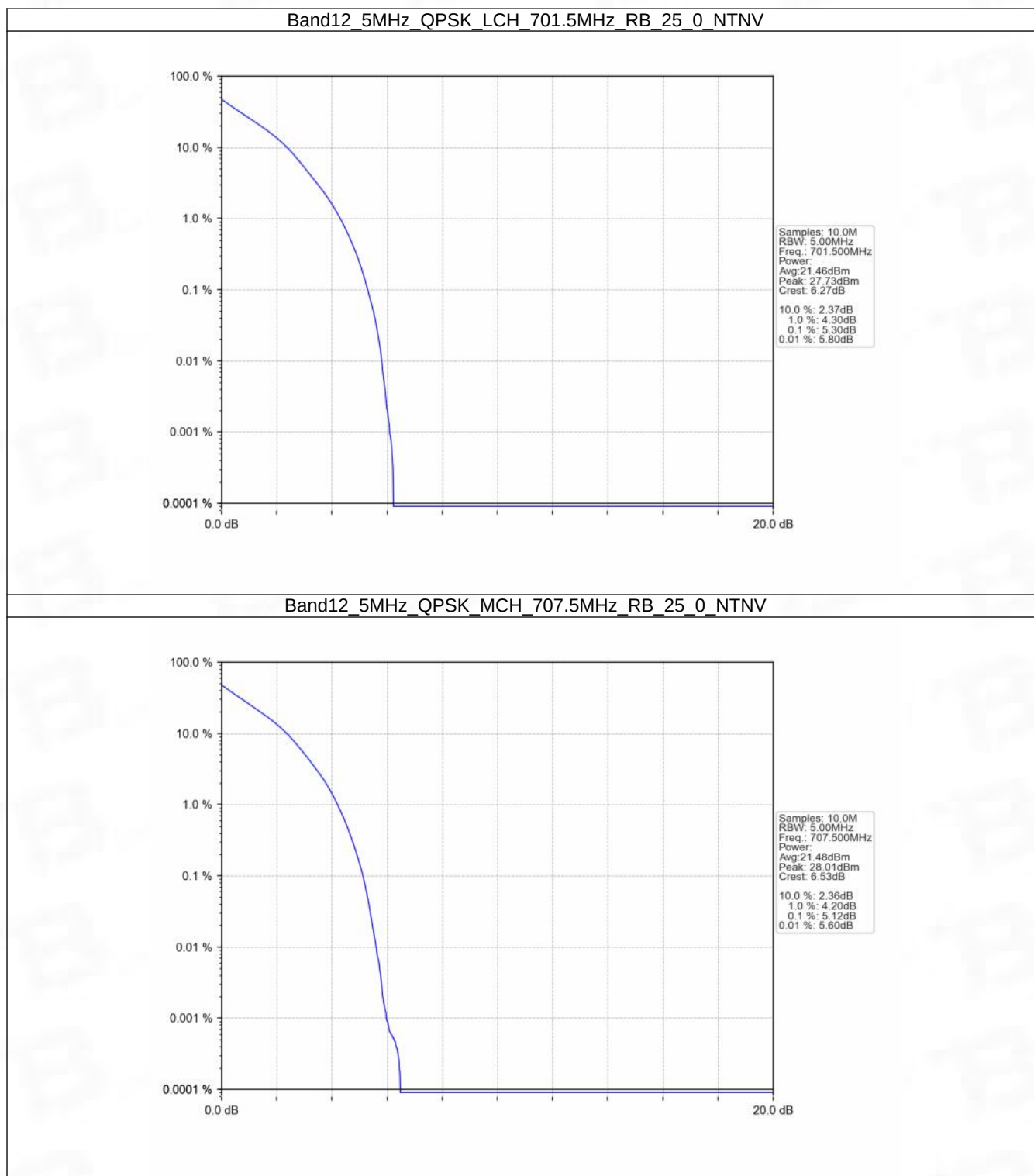
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



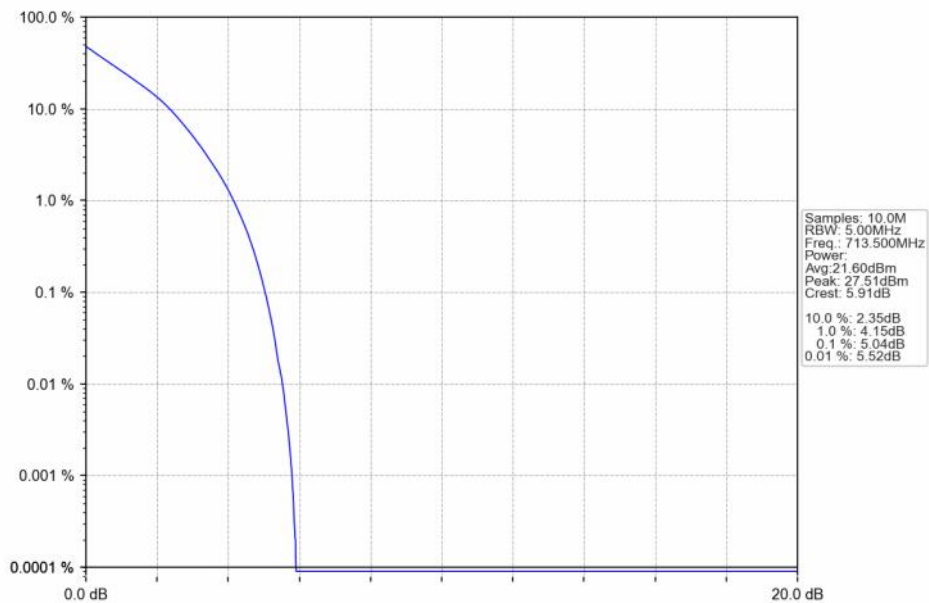
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



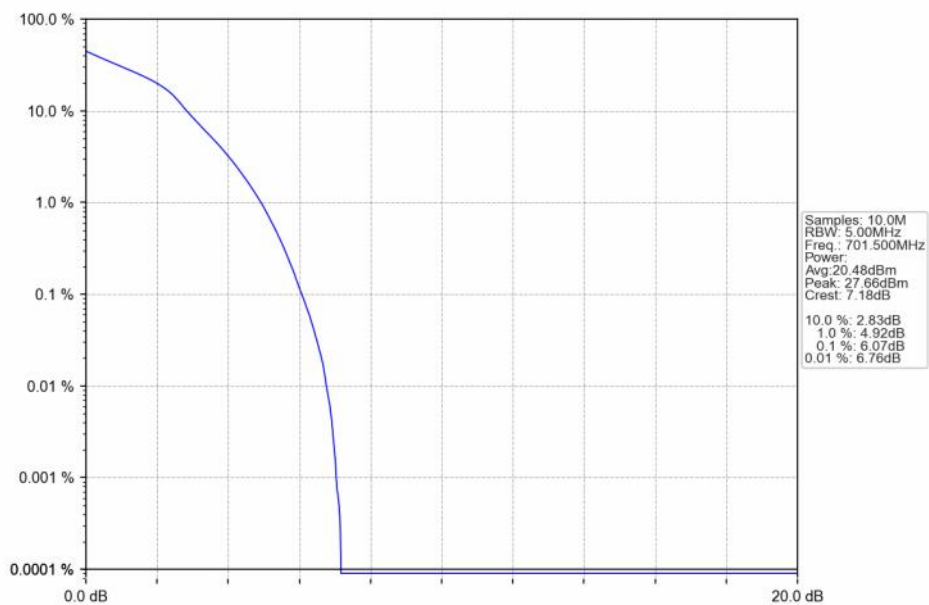
5.2.3 B12_5MHz



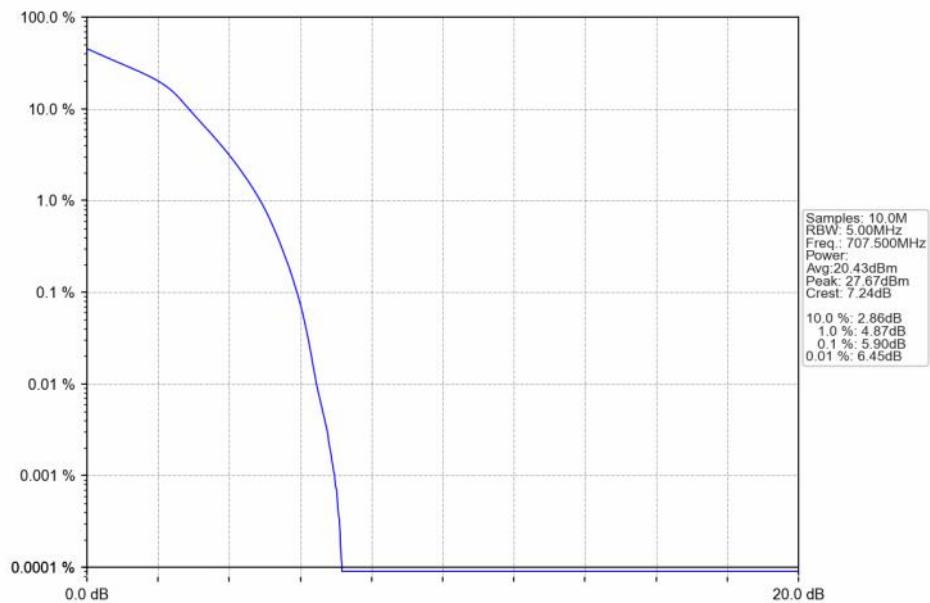
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



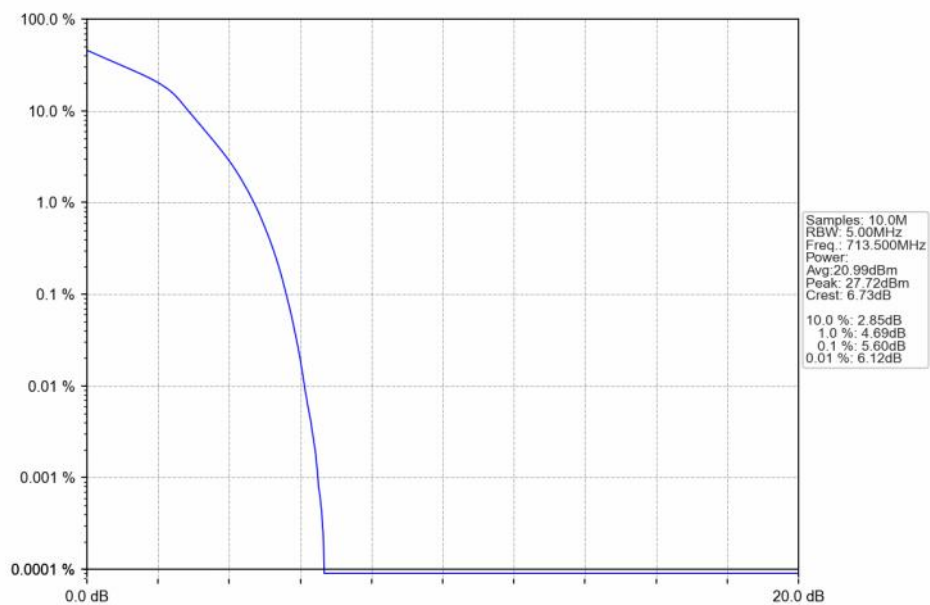
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

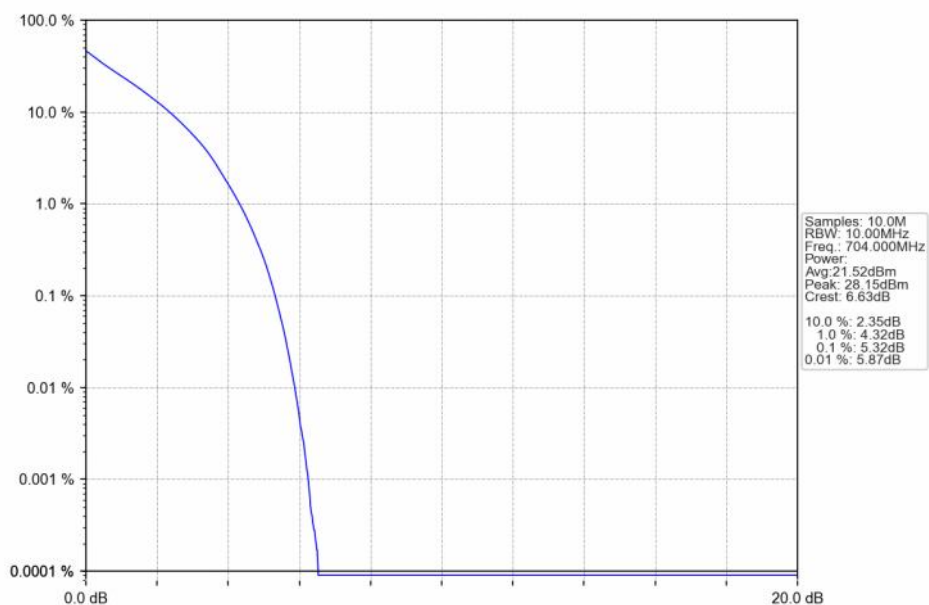


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

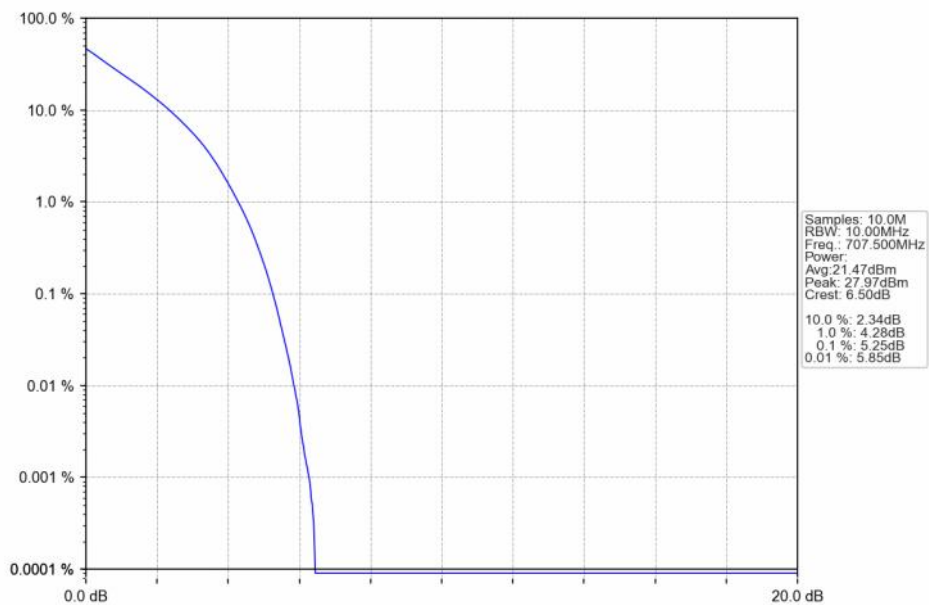


5.2.4 B12_10MHz

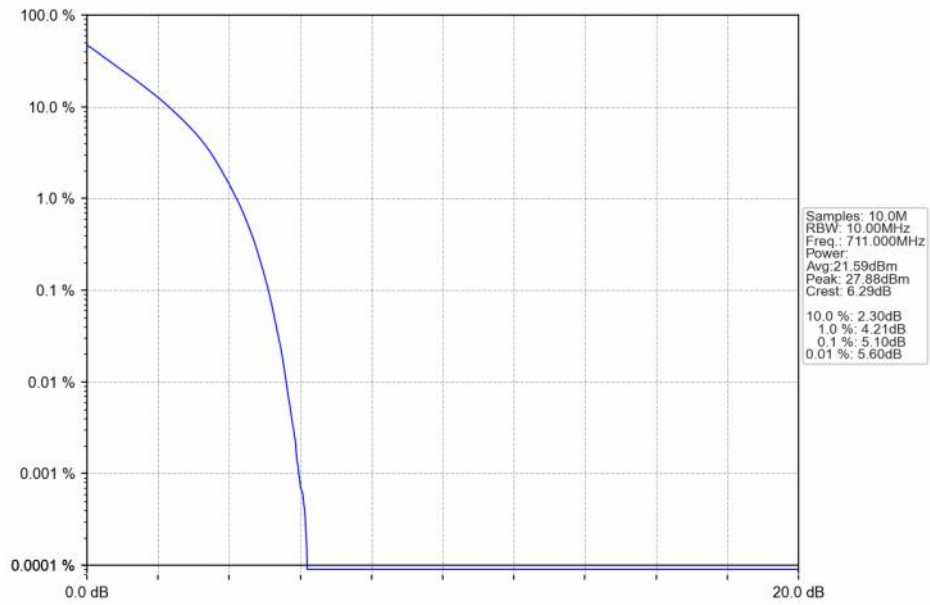
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



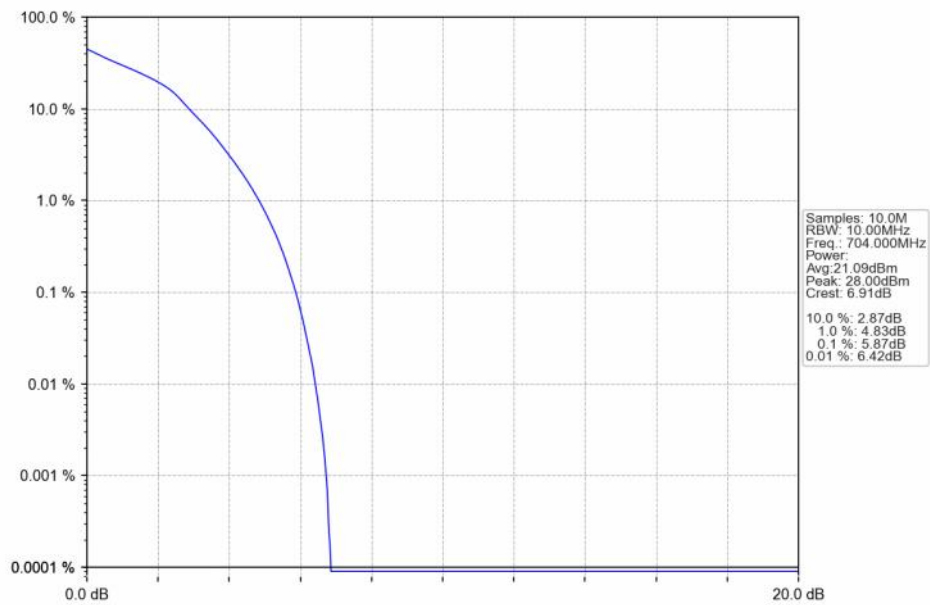
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



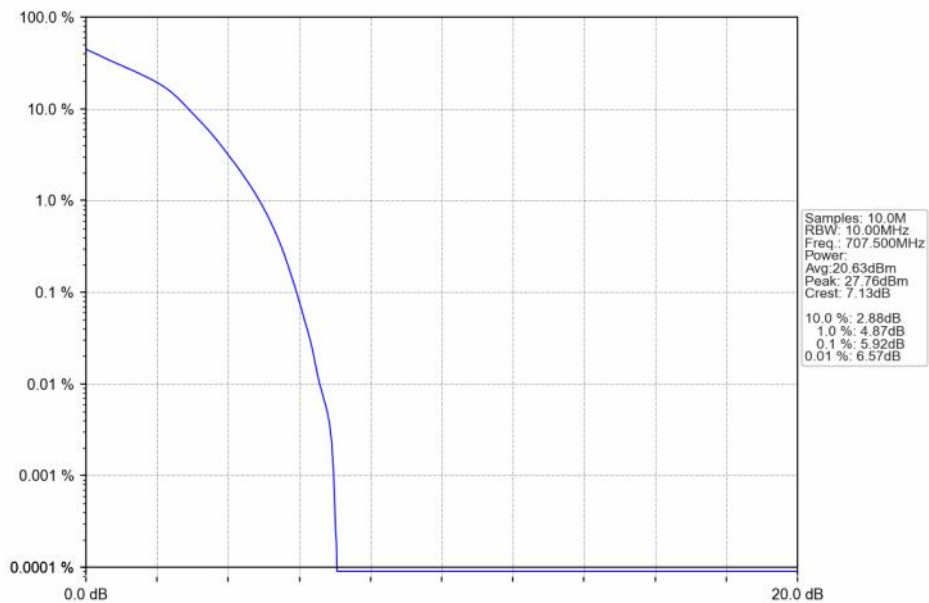
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



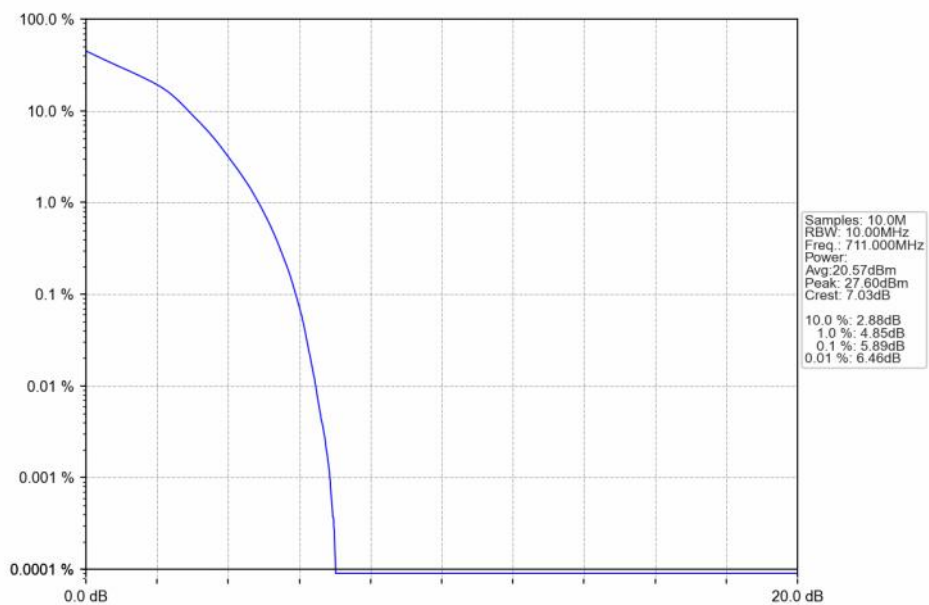
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

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

6.1.2 B12_3MHz

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

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass

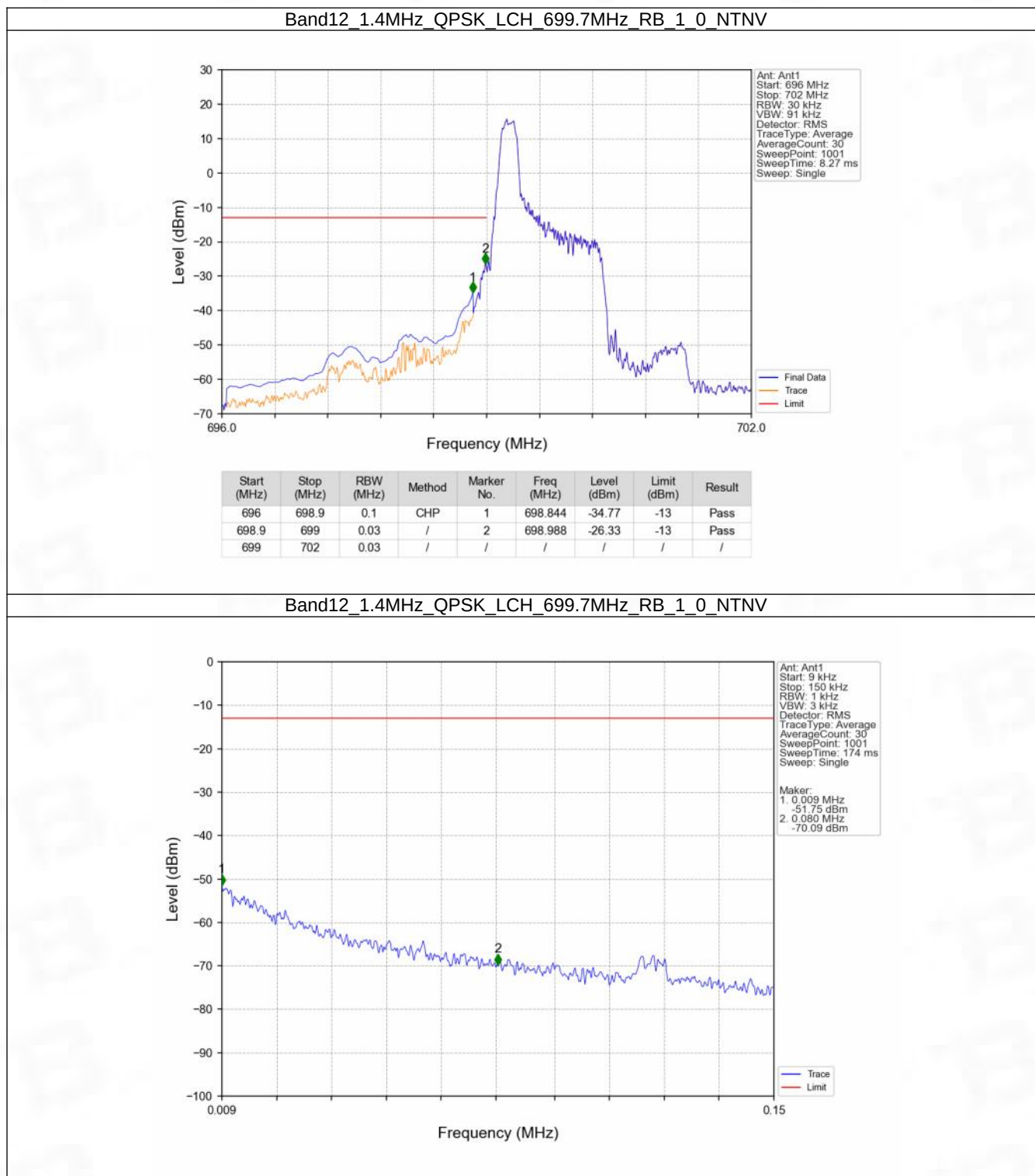
	707.5	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

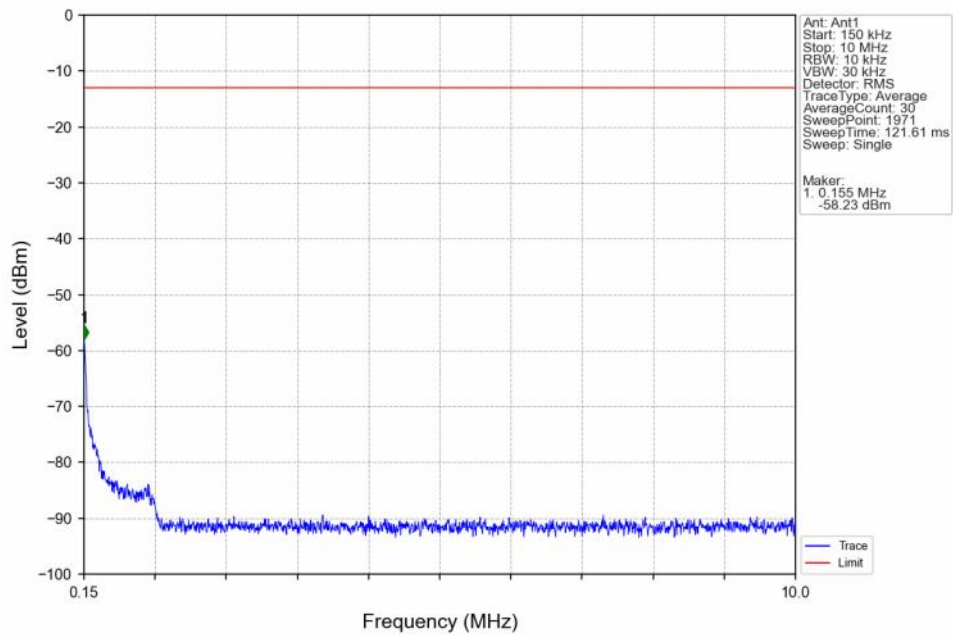
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

6.2 Test Graph

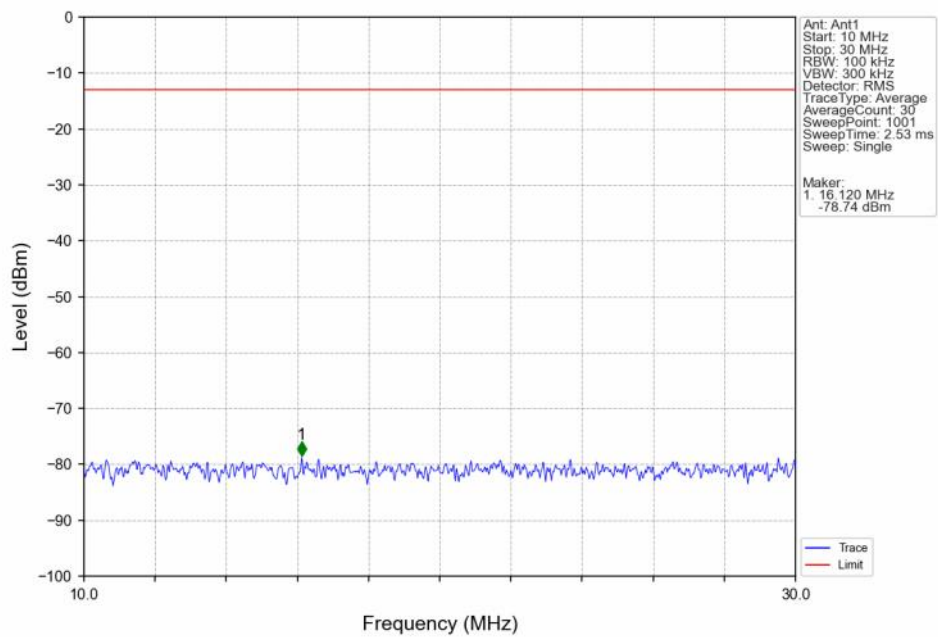
6.2.1 B12_1.4MHz



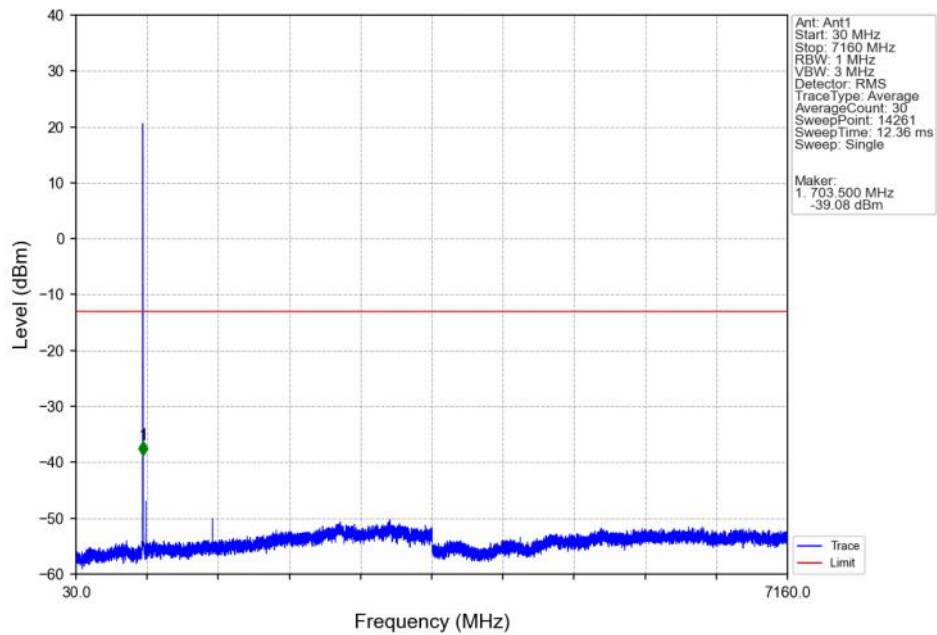
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



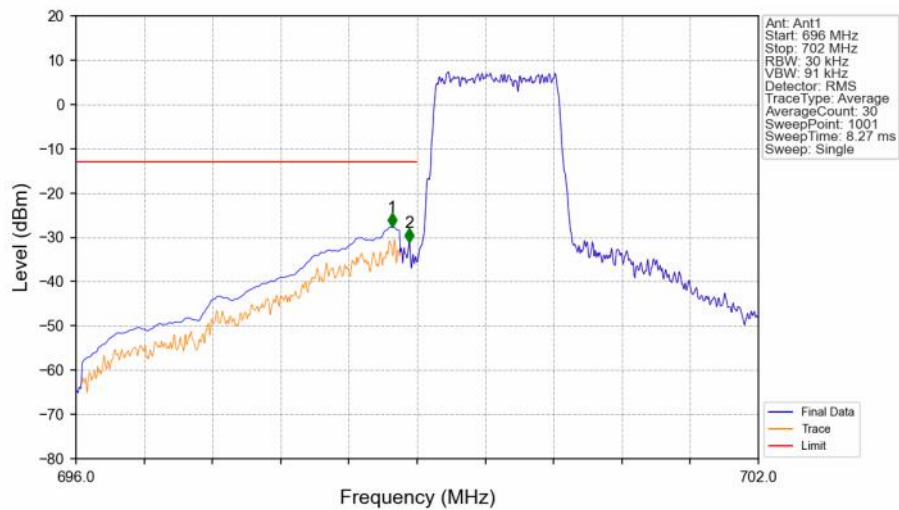
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

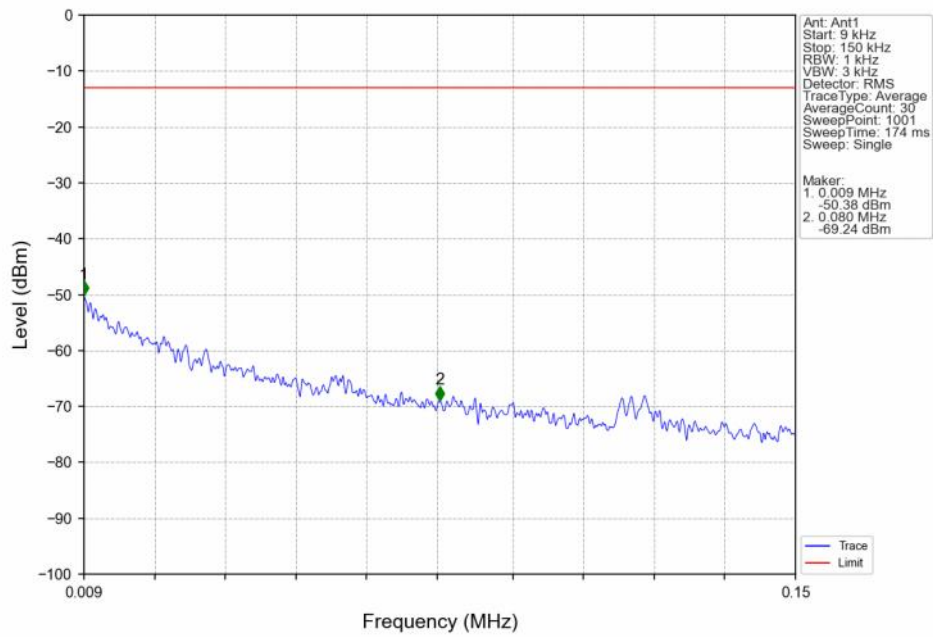


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

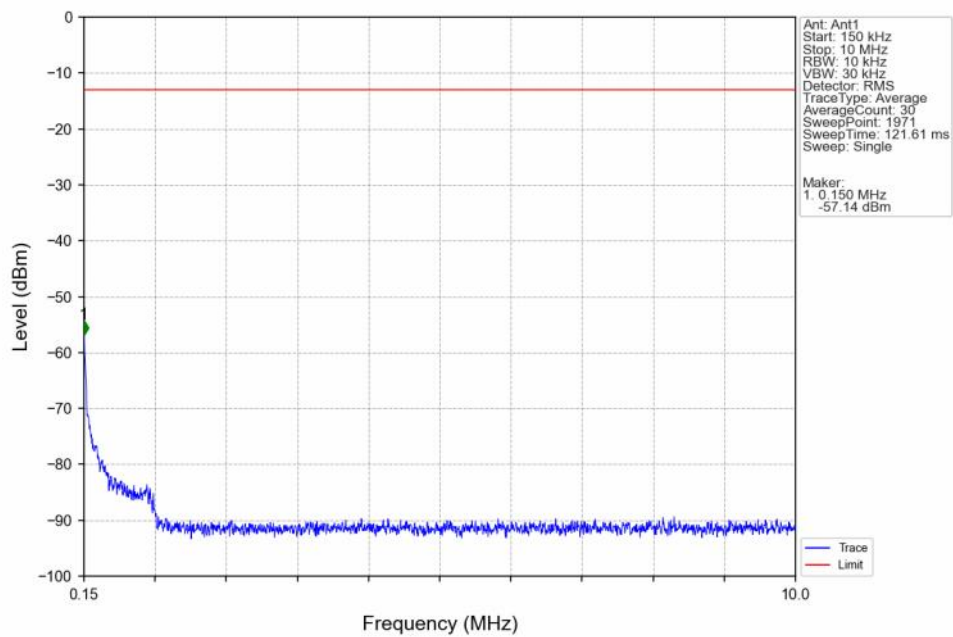


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.778	-27.73	-13	Pass
698.9	699	0.03	/	2	698.928	-31.19	-13	Pass
699	702	0.03	/	/	/	/	/	/

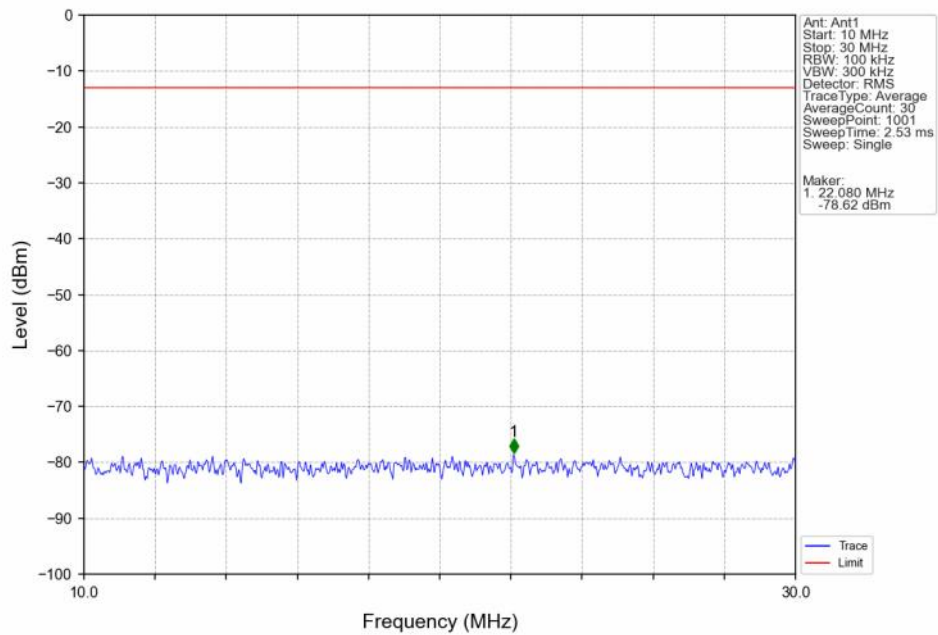
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



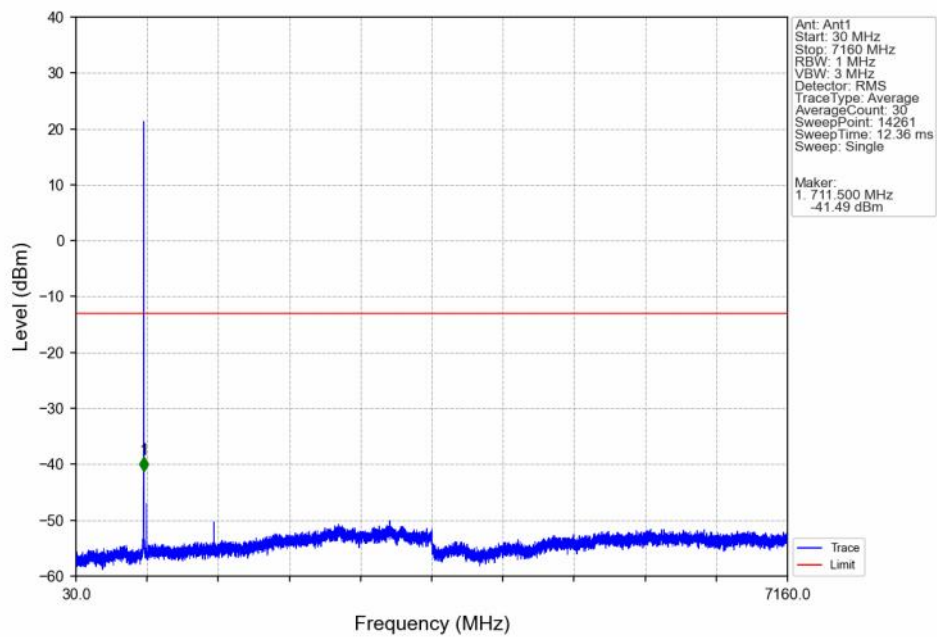
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



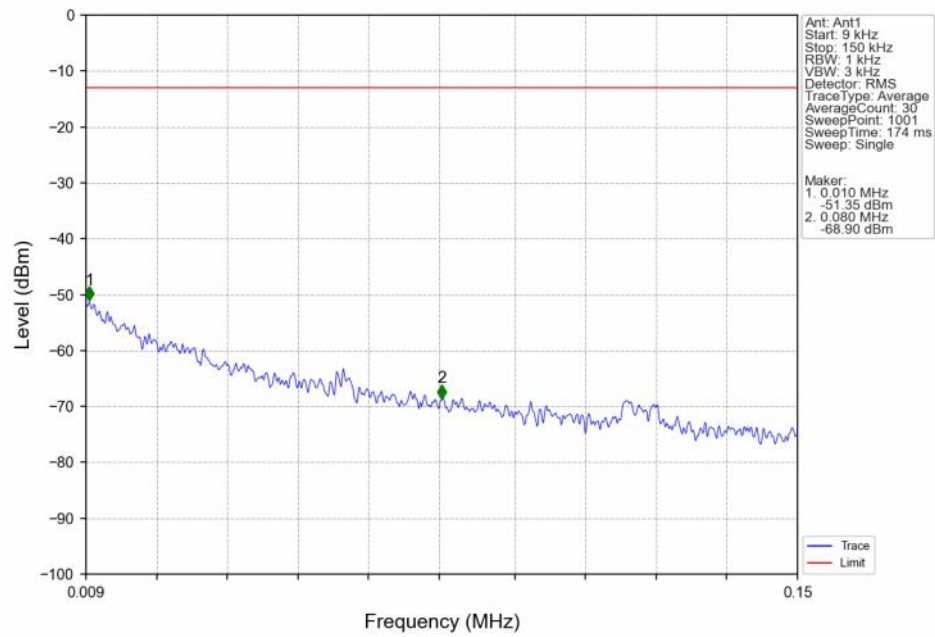
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



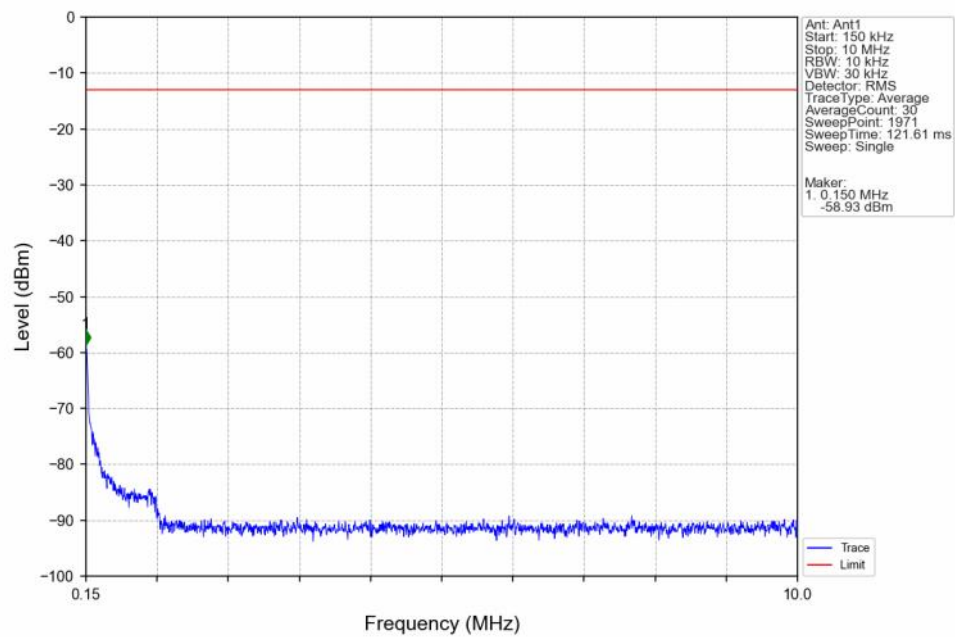
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



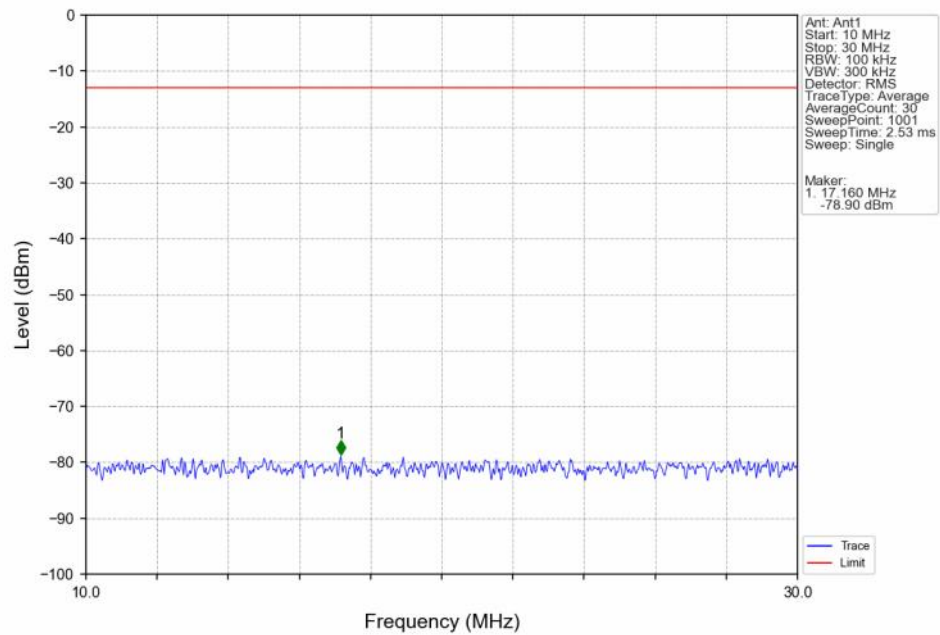
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



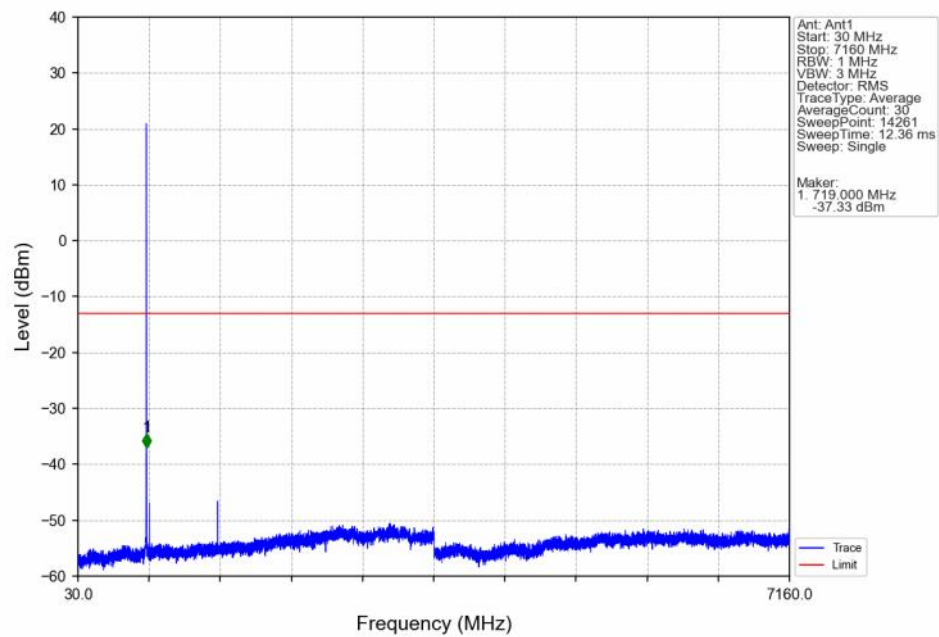
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



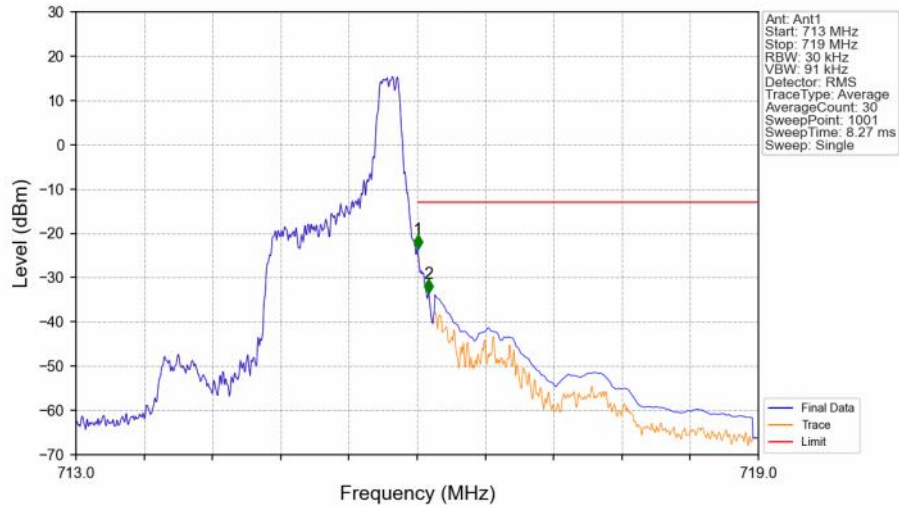
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



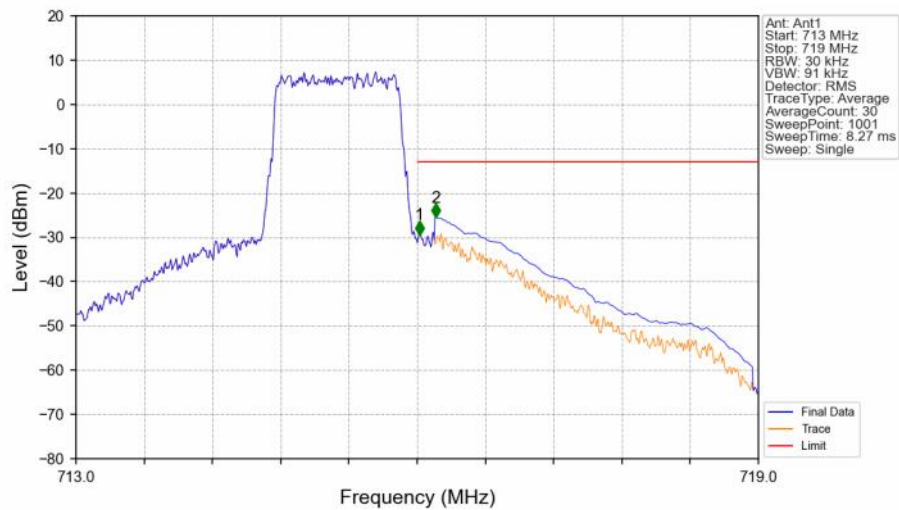
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



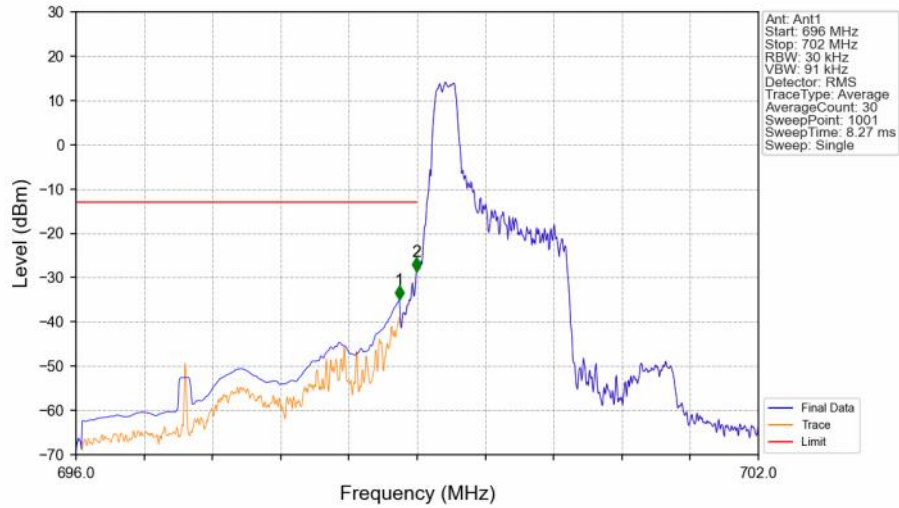
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



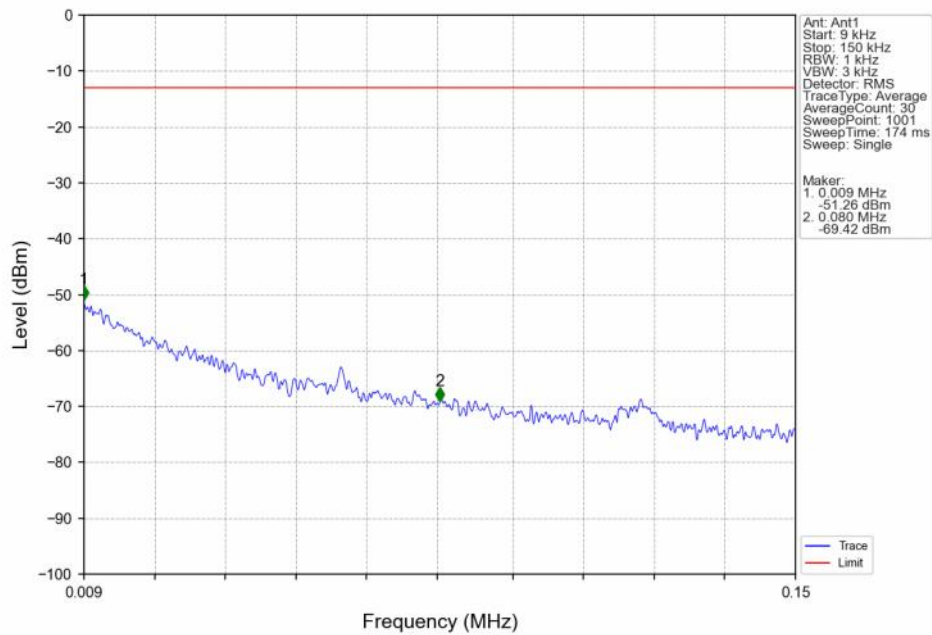
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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_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

6.2.2 B12_3MHz

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_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

Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

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

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_15_0_NTNV

Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

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_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

6.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

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

6.2.4 B12_10MHz

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_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

Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

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

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

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_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 Test Result

7.1.1 Form731_Power

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	0.1687	0.0662	ppm	1M11G7D	27H	22.27
12	1.4	699.7	715.3	0.1318	0.0499	ppm	1M12W7D	27H	21.20
12	3	700.5	714.5	0.1644	0.0647	ppm	2M76G7D	27H	22.16
12	3	700.5	714.5	0.1531	0.0269	ppm	2M76W7D	27H	21.85
12	5	701.5	713.5	0.1626	0.0642	ppm	4M58G7D	27H	22.11
12	5	701.5	713.5	0.1276	0.0258	ppm	4M58W7D	27H	21.06
12	10	704	711	0.1637	0.0645	ppm	9M08G7D	27H	22.14
12	10	704	711	0.1510	0.0222	ppm	9M10W7D	27H	21.79

7.1.2 Form731_ERP

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	0.0079	0.0662	ppm	1M11G7D	27H	8.96
12	1.4	699.7	715.3	0.0062	0.0499	ppm	1M12W7D	27H	7.89
12	3	700.5	714.5	0.0077	0.0647	ppm	2M76G7D	27H	8.85
12	3	700.5	714.5	0.0071	0.0269	ppm	2M76W7D	27H	8.54
12	5	701.5	713.5	0.0076	0.0642	ppm	4M58G7D	27H	8.80
12	5	701.5	713.5	0.0060	0.0258	ppm	4M58W7D	27H	7.75
12	10	704	711	0.0076	0.0645	ppm	9M08G7D	27H	8.83
12	10	704	711	0.0070	0.0222	ppm	9M10W7D	27H	8.48