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	24.36	0.70	22.91	<=34.77	Pass
			2	24.41	0.70	22.96	<=34.77	Pass
			5	24.32	0.70	22.87	<=34.77	Pass
		3	0	24.48	0.70	23.03	<=34.77	Pass
			2	24.51	0.70	23.06	<=34.77	Pass
			3	24.49	0.70	23.04	<=34.77	Pass
		6	0	23.41	0.70	21.96	<=34.77	Pass
	707.5	1	0	24.63	0.70	23.18	<=34.77	Pass
			2	24.73	0.70	23.28	<=34.77	Pass
			5	24.65	0.70	23.20	<=34.77	Pass
		3	0	24.78	0.70	23.33	<=34.77	Pass
			2	24.81	0.70	23.36	<=34.77	Pass
			3	24.79	0.70	23.34	<=34.77	Pass
		6	0	23.74	0.70	22.29	<=34.77	Pass
	715.3	1	0	24.66	0.70	23.21	<=34.77	Pass
			2	24.76	0.70	23.31	<=34.77	Pass
			5	24.62	0.70	23.17	<=34.77	Pass
		3	0	24.72	0.70	23.27	<=34.77	Pass
			2	24.75	0.70	23.30	<=34.77	Pass
			3	24.71	0.70	23.26	<=34.77	Pass
		6	0	23.69	0.70	22.24	<=34.77	Pass
16QAM	699.7	1	0	23.39	0.70	21.94	<=34.77	Pass
			2	23.45	0.70	22.00	<=34.77	Pass
			5	23.40	0.70	21.95	<=34.77	Pass
		3	0	23.67	0.70	22.22	<=34.77	Pass
			2	23.70	0.70	22.25	<=34.77	Pass
			3	23.69	0.70	22.24	<=34.77	Pass
		6	0	22.50	0.70	21.05	<=34.77	Pass
	707.5	1	0	23.85	0.70	22.40	<=34.77	Pass
			2	23.95	0.70	22.50	<=34.77	Pass
			5	23.84	0.70	22.39	<=34.77	Pass
		3	0	23.74	0.70	22.29	<=34.77	Pass
			2	23.79	0.70	22.34	<=34.77	Pass
			3	23.79	0.70	22.34	<=34.77	Pass
		6	0	22.81	0.70	21.36	<=34.77	Pass
	715.3	1	0	23.65	0.70	22.20	<=34.77	Pass
			2	23.73	0.70	22.28	<=34.77	Pass
			5	23.67	0.70	22.22	<=34.77	Pass
		3	0	23.75	0.70	22.30	<=34.77	Pass
			2	23.75	0.70	22.30	<=34.77	Pass
			3	23.74	0.70	22.29	<=34.77	Pass
		6	0	22.68	0.70	21.23	<=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	24.42	0.70	22.97	<=34.77	Pass
			7	24.57	0.70	23.12	<=34.77	Pass
			14	24.49	0.70	23.04	<=34.77	Pass
		8	0	23.45	0.70	22.00	<=34.77	Pass
			4	23.42	0.70	21.97	<=34.77	Pass
			7	23.44	0.70	21.99	<=34.77	Pass
		15	0	23.46	0.70	22.01	<=34.77	Pass
	707.5	1	0	24.72	0.70	23.27	<=34.77	Pass
			7	24.86	0.70	23.41	<=34.77	Pass
			14	24.74	0.70	23.29	<=34.77	Pass
		8	0	23.70	0.70	22.25	<=34.77	Pass
			4	23.79	0.70	22.34	<=34.77	Pass
			7	23.70	0.70	22.25	<=34.77	Pass
		15	0	23.72	0.70	22.27	<=34.77	Pass
	714.5	1	0	24.73	0.70	23.28	<=34.77	Pass
			7	24.81	0.70	23.36	<=34.77	Pass
			14	24.64	0.70	23.19	<=34.77	Pass
		8	0	23.71	0.70	22.26	<=34.77	Pass
			4	23.75	0.70	22.30	<=34.77	Pass
			7	23.66	0.70	22.21	<=34.77	Pass
		15	0	23.72	0.70	22.27	<=34.77	Pass
16QAM	700.5	1	0	23.66	0.70	22.21	<=34.77	Pass
			7	23.76	0.70	22.31	<=34.77	Pass
			14	23.68	0.70	22.23	<=34.77	Pass
		8	0	22.49	0.70	21.04	<=34.77	Pass
			4	22.56	0.70	21.11	<=34.77	Pass
			7	22.52	0.70	21.07	<=34.77	Pass
		15	0	22.52	0.70	21.07	<=34.77	Pass
	707.5	1	0	23.73	0.70	22.28	<=34.77	Pass
			7	23.90	0.70	22.45	<=34.77	Pass
			14	23.76	0.70	22.31	<=34.77	Pass
		8	0	22.85	0.70	21.40	<=34.77	Pass
			4	22.89	0.70	21.44	<=34.77	Pass
			7	22.85	0.70	21.40	<=34.77	Pass
		15	0	22.86	0.70	21.41	<=34.77	Pass
	714.5	1	0	24.28	0.70	22.83	<=34.77	Pass
			7	24.35	0.70	22.90	<=34.77	Pass
			14	24.13	0.70	22.68	<=34.77	Pass
		8	0	22.94	0.70	21.49	<=34.77	Pass
			4	22.95	0.70	21.50	<=34.77	Pass
			7	22.92	0.70	21.47	<=34.77	Pass
		15	0	22.82	0.70	21.37	<=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	24.34	0.70	22.89	<=34.77	Pass
			13	24.55	0.70	23.10	<=34.77	Pass
			24	24.50	0.70	23.05	<=34.77	Pass
		12	0	23.48	0.70	22.03	<=34.77	Pass
			6	23.58	0.70	22.13	<=34.77	Pass
			13	23.57	0.70	22.12	<=34.77	Pass
		25	0	23.52	0.70	22.07	<=34.77	Pass
	707.5	1	0	24.59	0.70	23.14	<=34.77	Pass
			13	24.71	0.70	23.26	<=34.77	Pass
			24	24.61	0.70	23.16	<=34.77	Pass
		12	0	23.70	0.70	22.25	<=34.77	Pass
			6	23.75	0.70	22.30	<=34.77	Pass
			13	23.76	0.70	22.31	<=34.77	Pass
		25	0	23.74	0.70	22.29	<=34.77	Pass
	713.5	1	0	24.64	0.70	23.19	<=34.77	Pass
			13	24.75	0.70	23.30	<=34.77	Pass
			24	24.58	0.70	23.13	<=34.77	Pass
		12	0	23.74	0.70	22.29	<=34.77	Pass
			6	23.77	0.70	22.32	<=34.77	Pass
			13	23.70	0.70	22.25	<=34.77	Pass
		25	0	23.73	0.70	22.28	<=34.77	Pass
16QAM	701.5	1	0	23.23	0.70	21.78	<=34.77	Pass
			13	23.40	0.70	21.95	<=34.77	Pass
			24	23.39	0.70	21.94	<=34.77	Pass
		12	0	22.53	0.70	21.08	<=34.77	Pass
			6	22.63	0.70	21.18	<=34.77	Pass
			13	22.57	0.70	21.12	<=34.77	Pass
		25	0	22.64	0.70	21.19	<=34.77	Pass
	707.5	1	0	23.84	0.70	22.39	<=34.77	Pass
			13	24.02	0.70	22.57	<=34.77	Pass
			24	23.89	0.70	22.44	<=34.77	Pass
		12	0	22.80	0.70	21.35	<=34.77	Pass
			6	22.89	0.70	21.44	<=34.77	Pass
			13	22.81	0.70	21.36	<=34.77	Pass
		25	0	22.80	0.70	21.35	<=34.77	Pass
	713.5	1	0	23.78	0.70	22.33	<=34.77	Pass
			13	23.90	0.70	22.45	<=34.77	Pass
			24	23.64	0.70	22.19	<=34.77	Pass
		12	0	22.76	0.70	21.31	<=34.77	Pass
			6	22.88	0.70	21.43	<=34.77	Pass
			13	22.74	0.70	21.29	<=34.77	Pass
		25	0	22.82	0.70	21.37	<=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	24.39	0.70	22.94	<=34.77	Pass
			25	24.75	0.70	23.30	<=34.77	Pass
			49	24.62	0.70	23.17	<=34.77	Pass
		25	0	23.69	0.70	22.24	<=34.77	Pass
			13	23.69	0.70	22.24	<=34.77	Pass
			25	23.68	0.70	22.23	<=34.77	Pass
		50	0	23.72	0.70	22.27	<=34.77	Pass
	707.5	1	0	24.57	0.70	23.12	<=34.77	Pass
			25	24.86	0.70	23.41	<=34.77	Pass
			49	24.66	0.70	23.21	<=34.77	Pass
		25	0	23.74	0.70	22.29	<=34.77	Pass
			13	23.81	0.70	22.36	<=34.77	Pass
			25	23.81	0.70	22.36	<=34.77	Pass
		50	0	23.82	0.70	22.37	<=34.77	Pass
	711	1	0	24.72	0.70	23.27	<=34.77	Pass
			25	24.97	0.70	23.52	<=34.77	Pass
			49	24.67	0.70	23.22	<=34.77	Pass
		25	0	23.83	0.70	22.38	<=34.77	Pass
			13	23.82	0.70	22.37	<=34.77	Pass
			25	23.81	0.70	22.36	<=34.77	Pass
		50	0	23.87	0.70	22.42	<=34.77	Pass
16QAM	704	1	0	24.00	0.70	22.55	<=34.77	Pass
			25	24.33	0.70	22.88	<=34.77	Pass
			49	24.28	0.70	22.83	<=34.77	Pass
		25	0	22.84	0.70	21.39	<=34.77	Pass
			13	22.83	0.70	21.38	<=34.77	Pass
			25	22.81	0.70	21.36	<=34.77	Pass
		50	0	22.82	0.70	21.37	<=34.77	Pass
	707.5	1	0	23.77	0.70	22.32	<=34.77	Pass
			25	24.08	0.70	22.63	<=34.77	Pass
			49	23.87	0.70	22.42	<=34.77	Pass
		25	0	22.86	0.70	21.41	<=34.77	Pass
			13	22.86	0.70	21.41	<=34.77	Pass
			25	22.89	0.70	21.44	<=34.77	Pass
		50	0	22.89	0.70	21.44	<=34.77	Pass
	711	1	0	23.73	0.70	22.28	<=34.77	Pass
			25	23.97	0.70	22.52	<=34.77	Pass
			49	23.68	0.70	22.23	<=34.77	Pass
		25	0	23.01	0.70	21.56	<=34.77	Pass
			13	23.00	0.70	21.55	<=34.77	Pass
			25	22.97	0.70	21.52	<=34.77	Pass
		50	0	22.97	0.70	21.52	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_10MHz

2.1.1 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	10.2	-4.041	-0.0057	-2.5 to 2.5	Pass
					12	-3.228	-0.0046	-2.5 to 2.5	Pass
					13.8	-3.853	-0.0055	-2.5 to 2.5	Pass
				-30	12	-2.710	-0.0038	-2.5 to 2.5	Pass
				-20	12	-2.809	-0.0040	-2.5 to 2.5	Pass
				-10	12	-3.434	-0.0049	-2.5 to 2.5	Pass
				0	12	-6.696	-0.0095	-2.5 to 2.5	Pass
				10	12	-8.365	-0.0119	-2.5 to 2.5	Pass
				30	12	-9.594	-0.0136	-2.5 to 2.5	Pass
				40	12	-4.743	-0.0067	-2.5 to 2.5	Pass
				50	12	-4.117	-0.0058	-2.5 to 2.5	Pass
	707.5	50	0	20	10.2	-6.219	-0.0088	-2.5 to 2.5	Pass
					12	-2.823	-0.0040	-2.5 to 2.5	Pass
					13.8	-7.184	-0.0102	-2.5 to 2.5	Pass
				-30	12	-3.104	-0.0044	-2.5 to 2.5	Pass
				-20	12	-6.649	-0.0094	-2.5 to 2.5	Pass
				-10	12	-4.506	-0.0064	-2.5 to 2.5	Pass
				0	12	-7.374	-0.0104	-2.5 to 2.5	Pass
				10	12	-10.992	-0.0155	-2.5 to 2.5	Pass
				30	12	-6.106	-0.0086	-2.5 to 2.5	Pass
				40	12	-2.222	-0.0031	-2.5 to 2.5	Pass
				50	12	-2.982	-0.0042	-2.5 to 2.5	Pass
	711	50	0	20	10.2	-1.916	-0.0027	-2.5 to 2.5	Pass
					12	-6.007	-0.0084	-2.5 to 2.5	Pass
					13.8	-4.135	-0.0058	-2.5 to 2.5	Pass
				-30	12	-10.035	-0.0141	-2.5 to 2.5	Pass
				-20	12	-2.233	-0.0031	-2.5 to 2.5	Pass
				-10	12	-8.201	-0.0115	-2.5 to 2.5	Pass
				0	12	-4.843	-0.0068	-2.5 to 2.5	Pass
				10	12	-3.308	-0.0047	-2.5 to 2.5	Pass
				30	12	-7.831	-0.0110	-2.5 to 2.5	Pass
				40	12	-3.966	-0.0056	-2.5 to 2.5	Pass
				50	12	-6.338	-0.0089	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

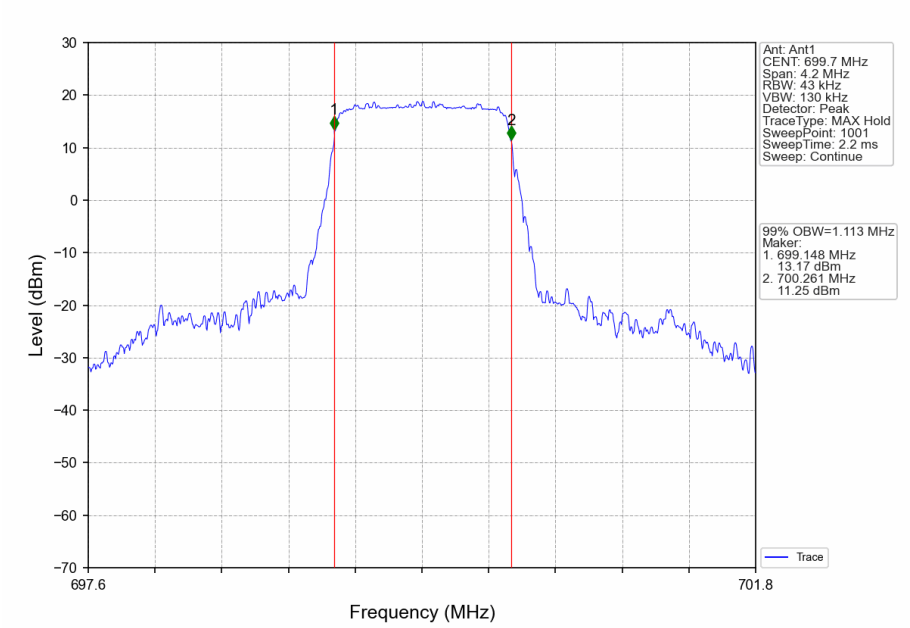
3.1 Band12_OBW

3.1.1 Test Result

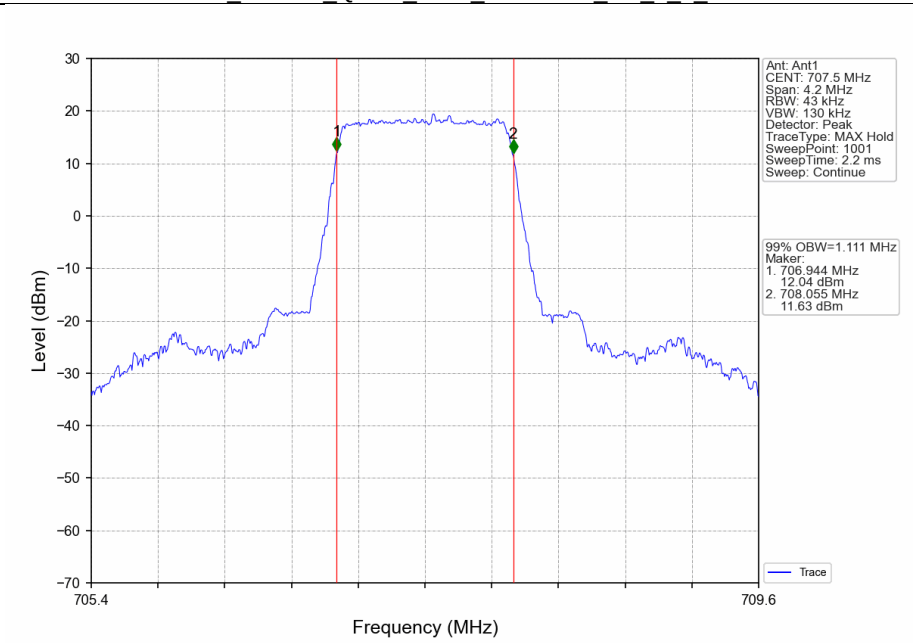
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.113	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.113	/	Pass
	16QAM	699.7	6	0	1.106	/	Pass
		707.5	6	0	1.108	/	Pass
		715.3	6	0	1.111	/	Pass
3	QPSK	700.5	15	0	2.722	/	Pass
		707.5	15	0	2.724	/	Pass
		714.5	15	0	2.723	/	Pass
	16QAM	700.5	15	0	2.721	/	Pass
		707.5	15	0	2.730	/	Pass
		714.5	15	0	2.721	/	Pass
5	QPSK	701.5	25	0	4.580	/	Pass
		707.5	25	0	4.565	/	Pass
		713.5	25	0	4.572	/	Pass
	16QAM	701.5	25	0	4.560	/	Pass
		707.5	25	0	4.576	/	Pass
		713.5	25	0	4.588	/	Pass
10	QPSK	704	50	0	9.106	/	Pass
		707.5	50	0	9.083	/	Pass
		711	50	0	9.103	/	Pass
	16QAM	704	50	0	9.065	/	Pass
		707.5	50	0	9.082	/	Pass
		711	50	0	9.109	/	Pass

3.1.2 Test Graph

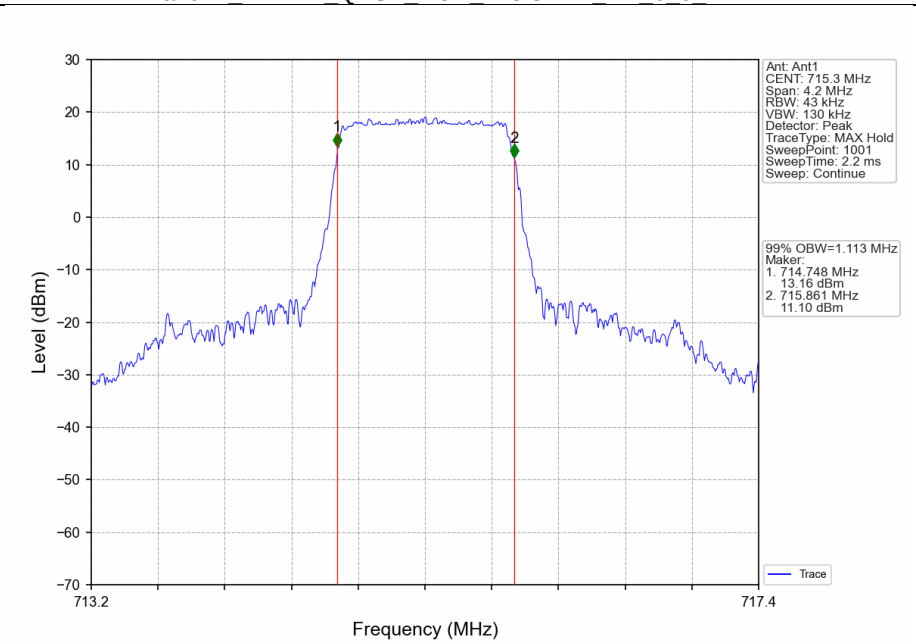
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



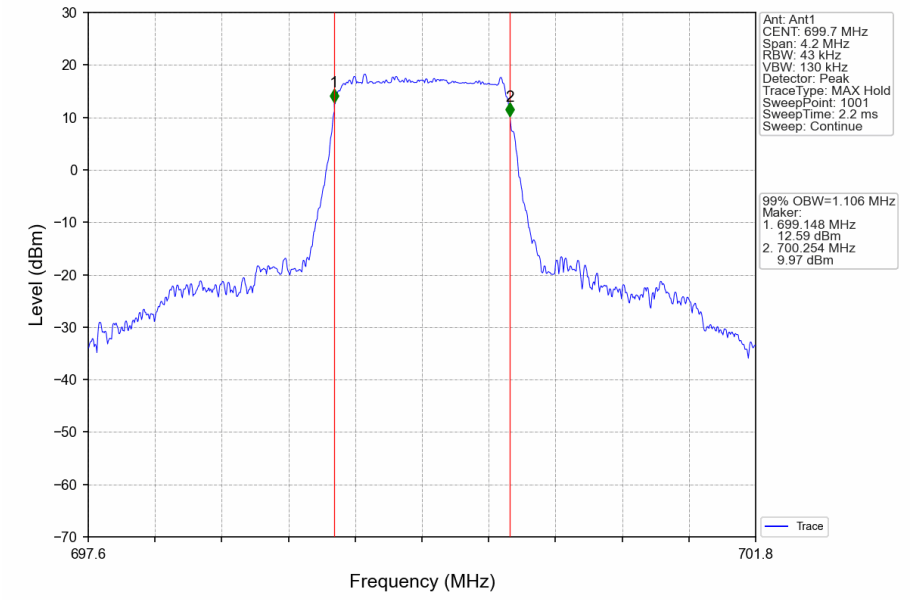
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



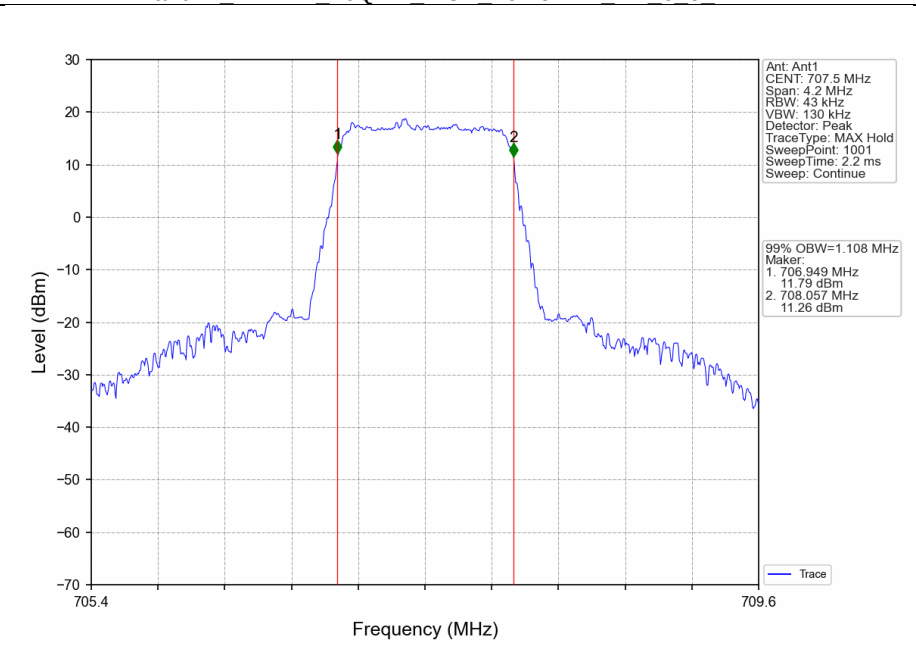
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



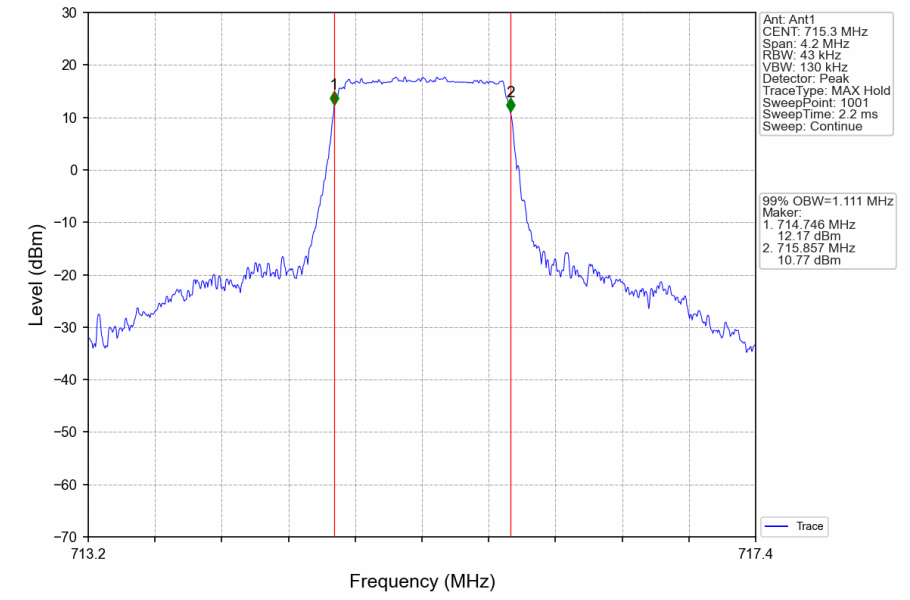
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



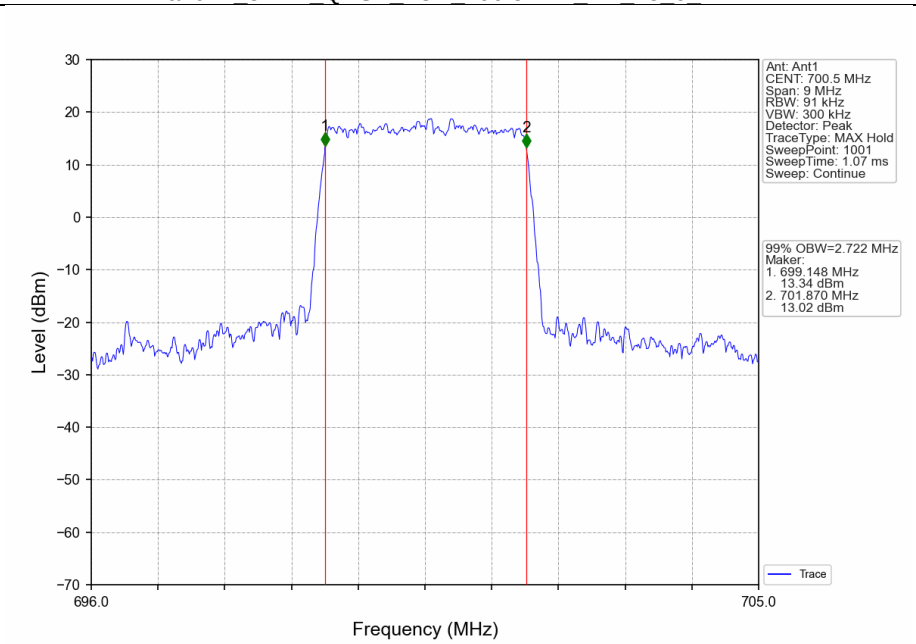
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



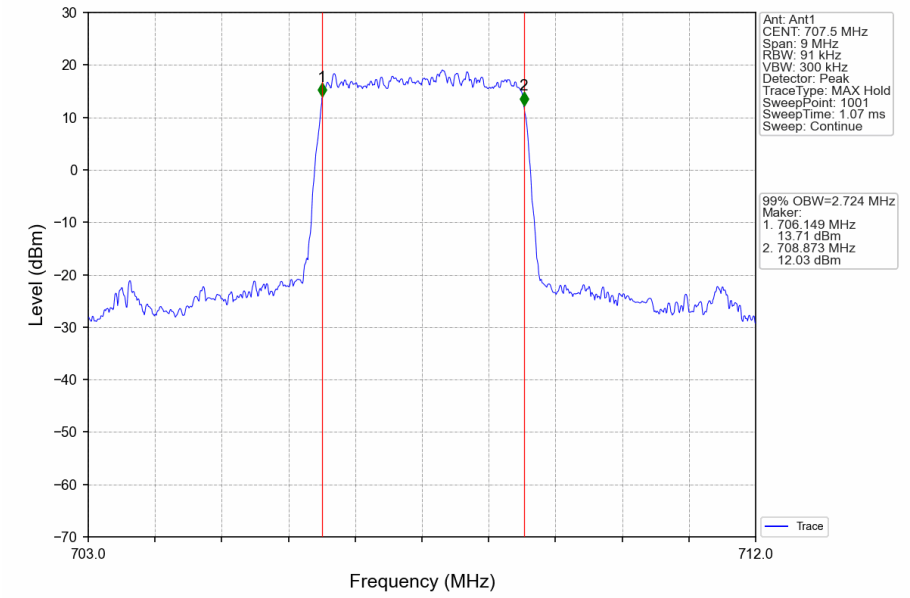
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



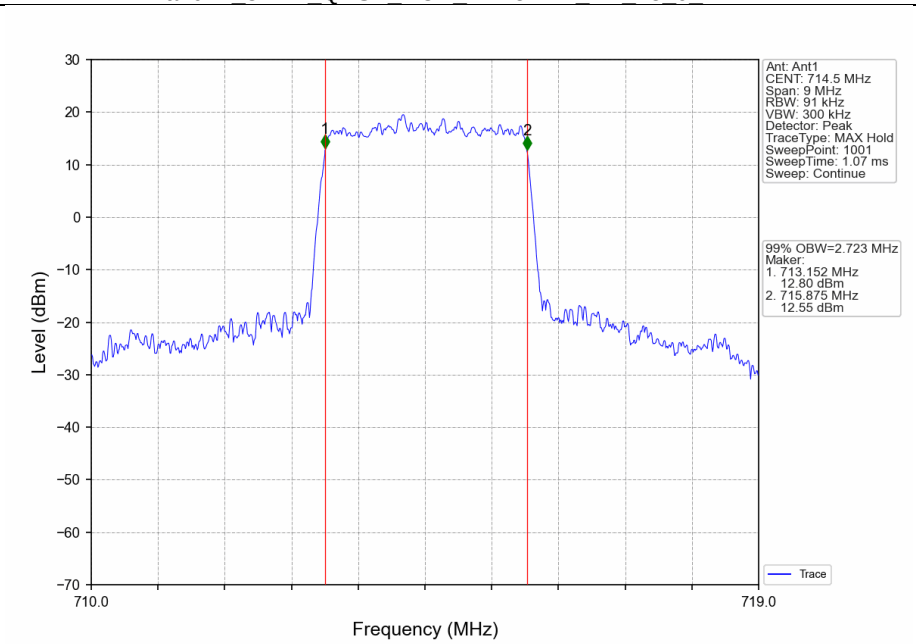
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



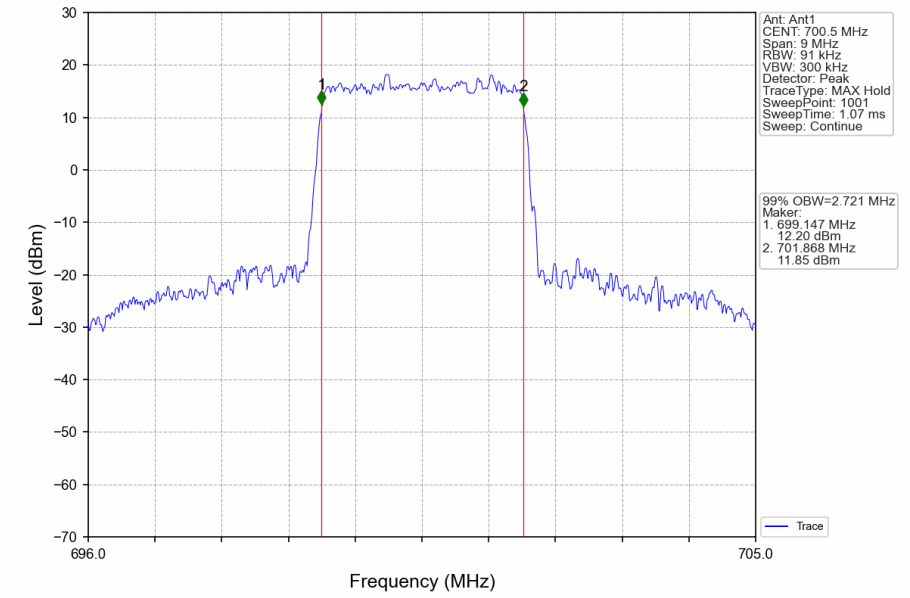
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

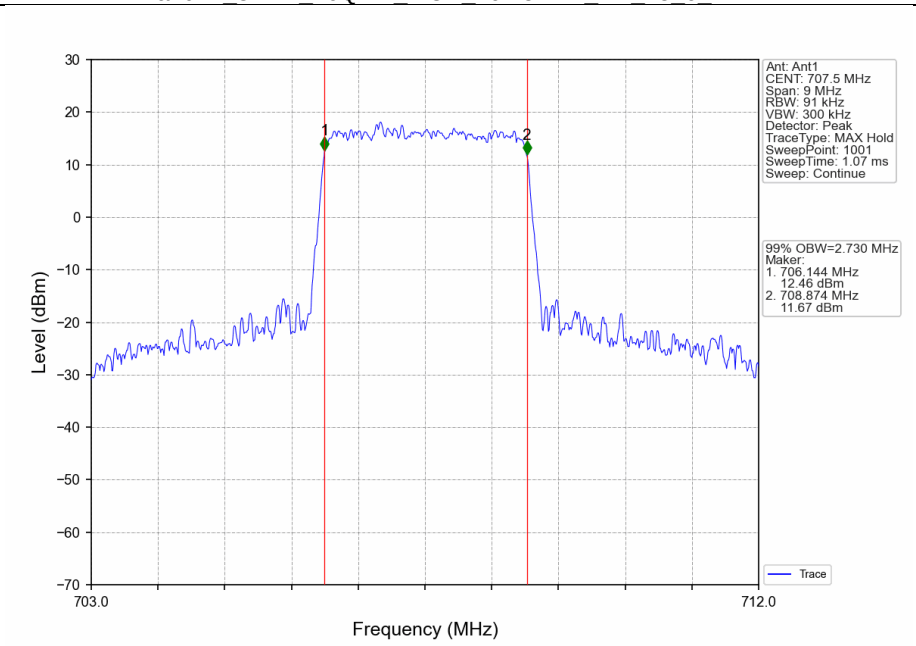


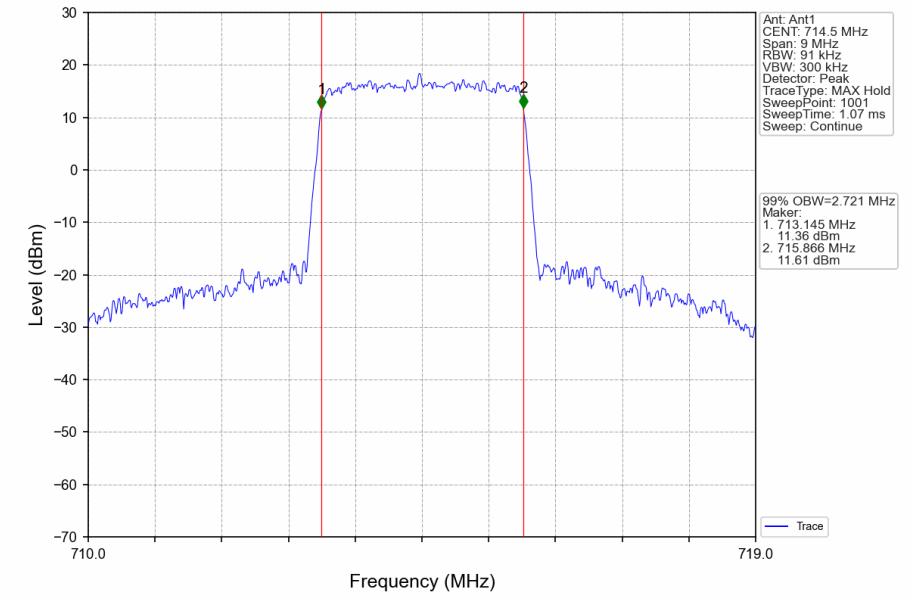
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



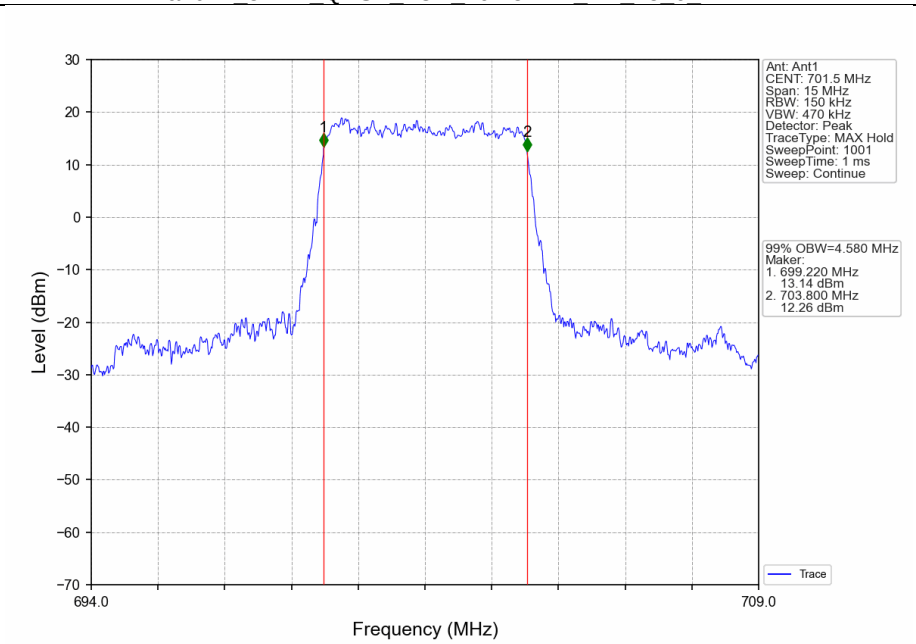
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



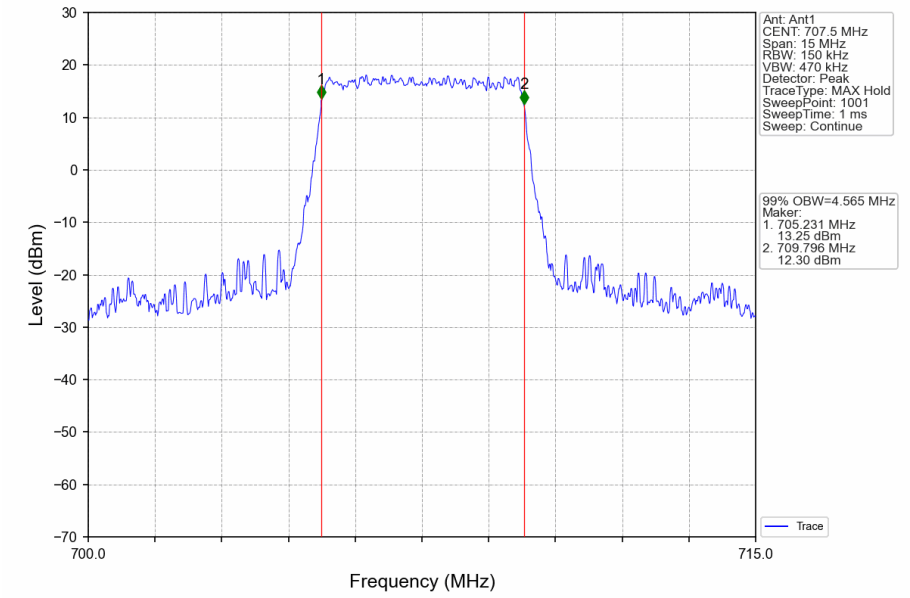
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV


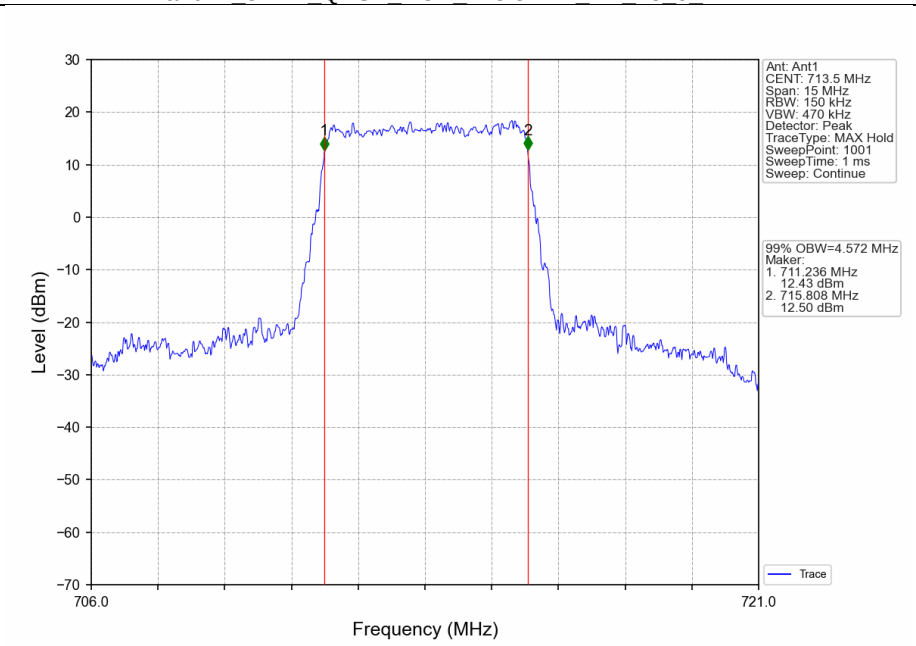
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



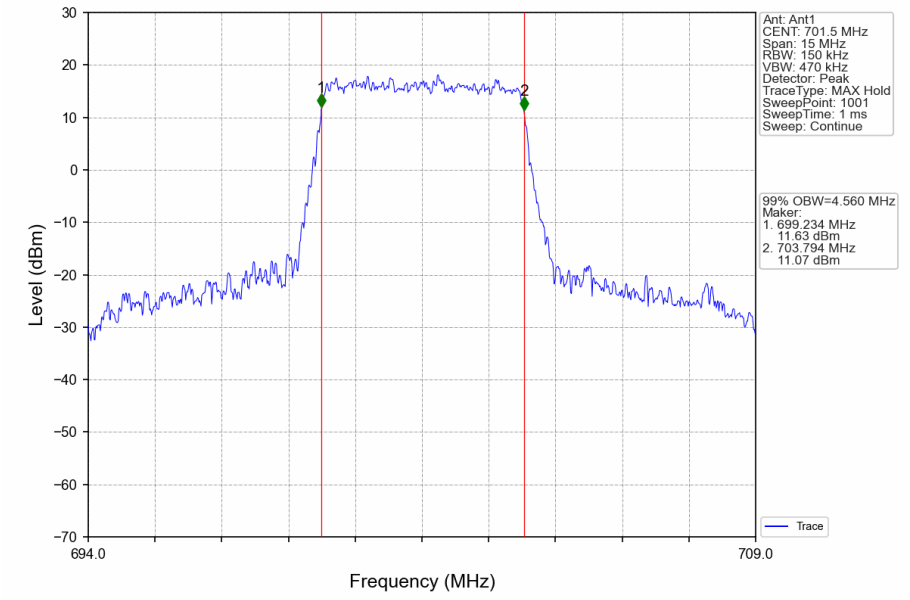
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



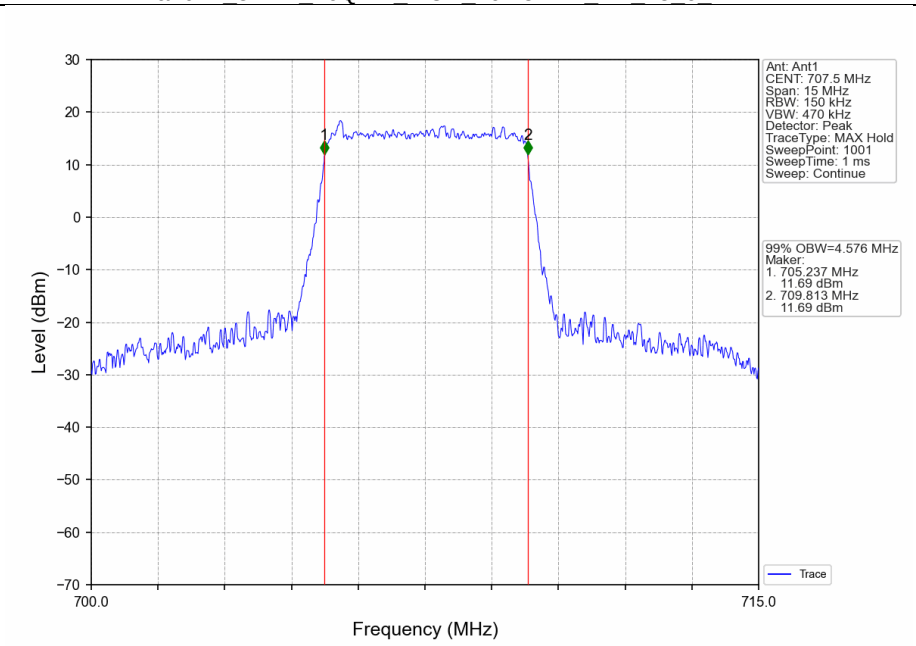
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



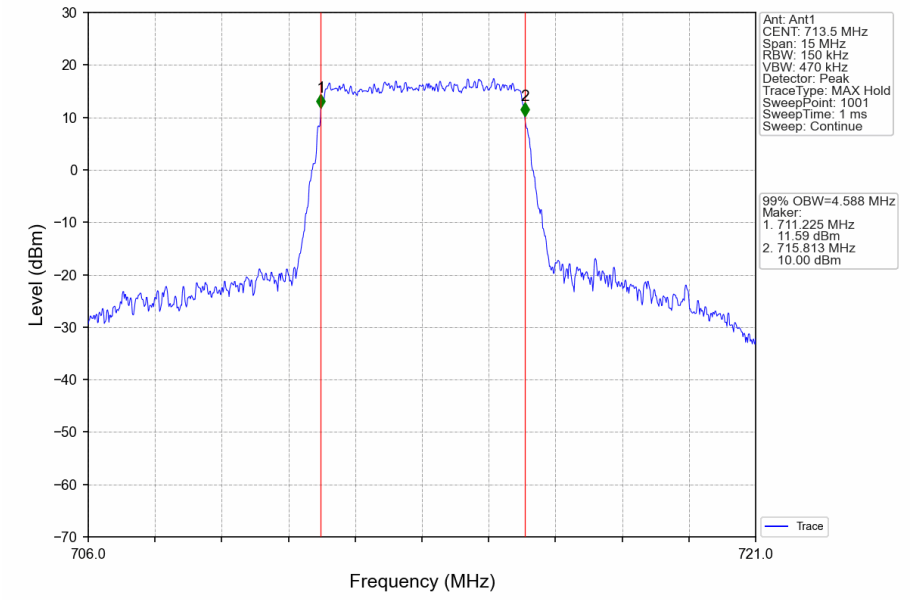
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



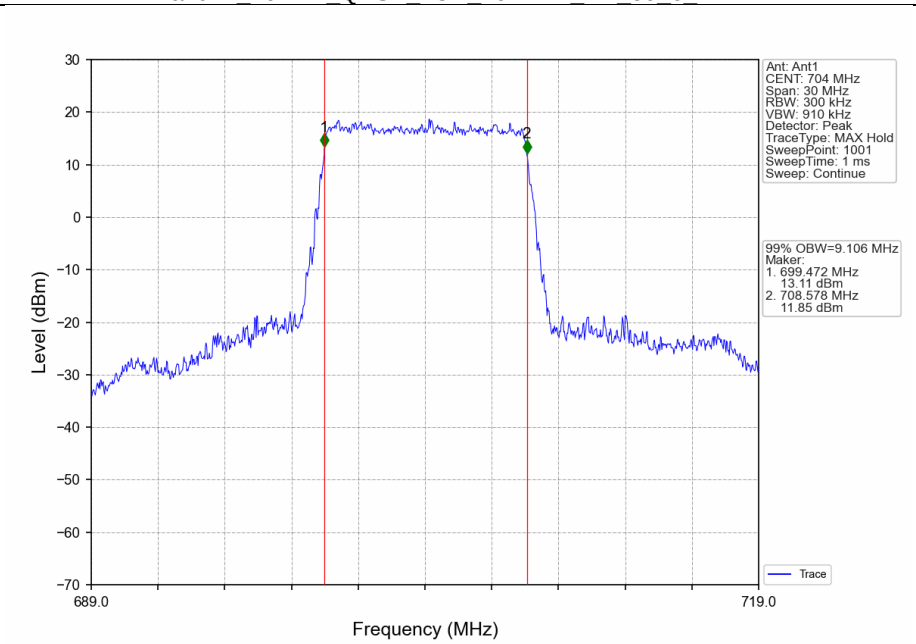
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



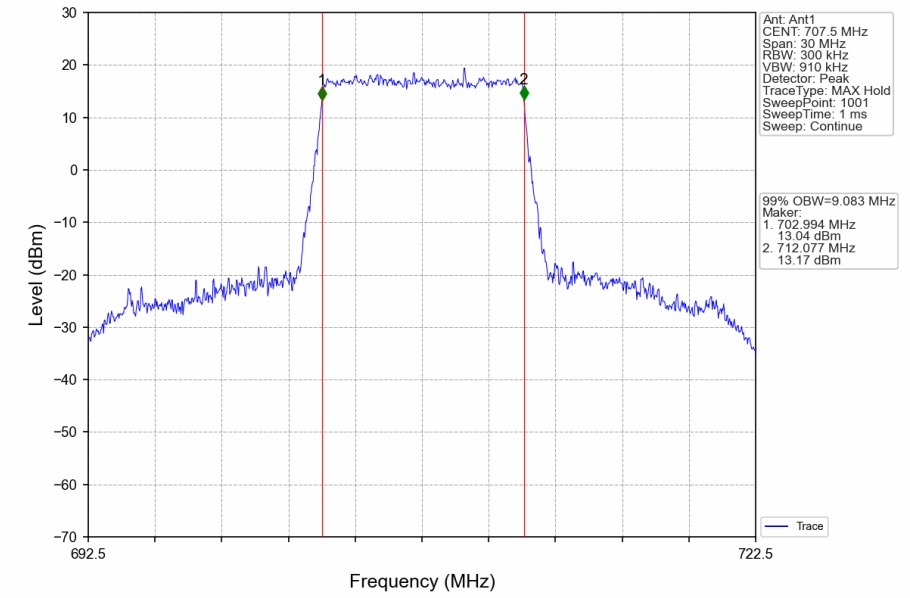
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



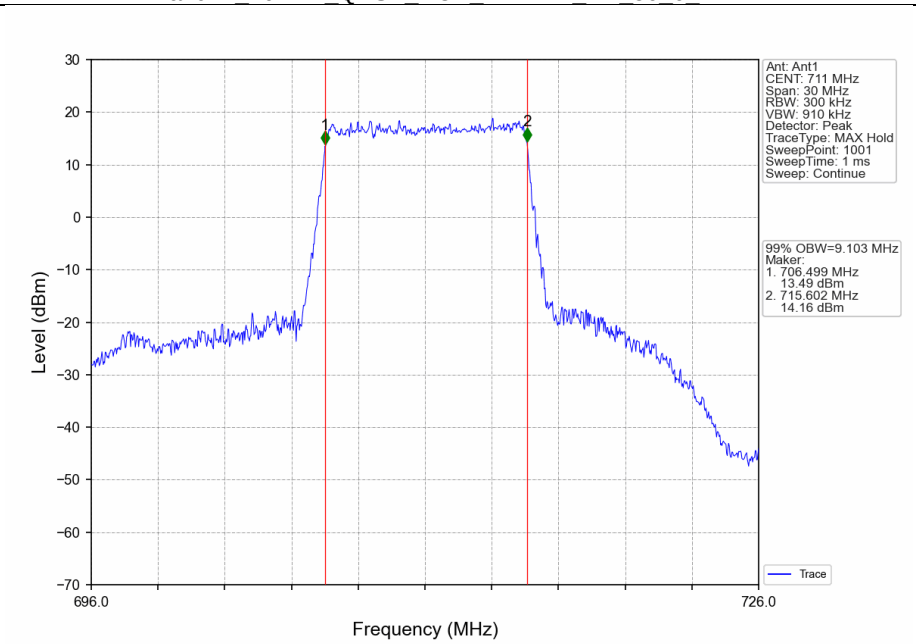
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



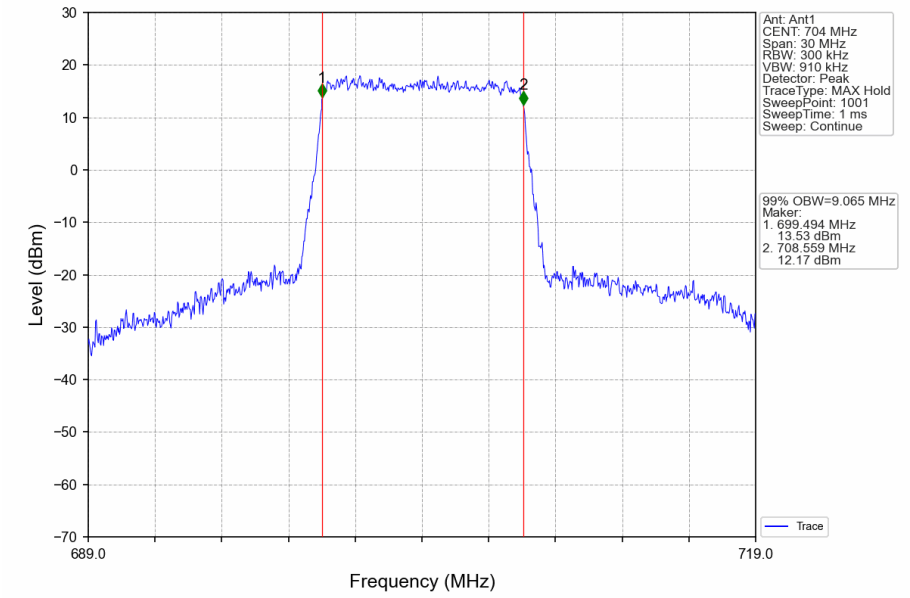
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



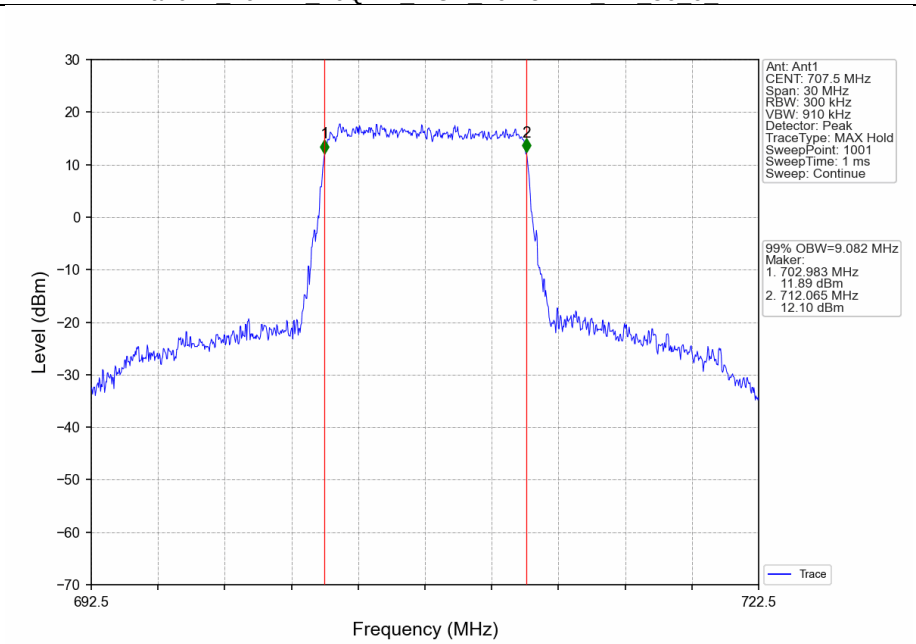
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



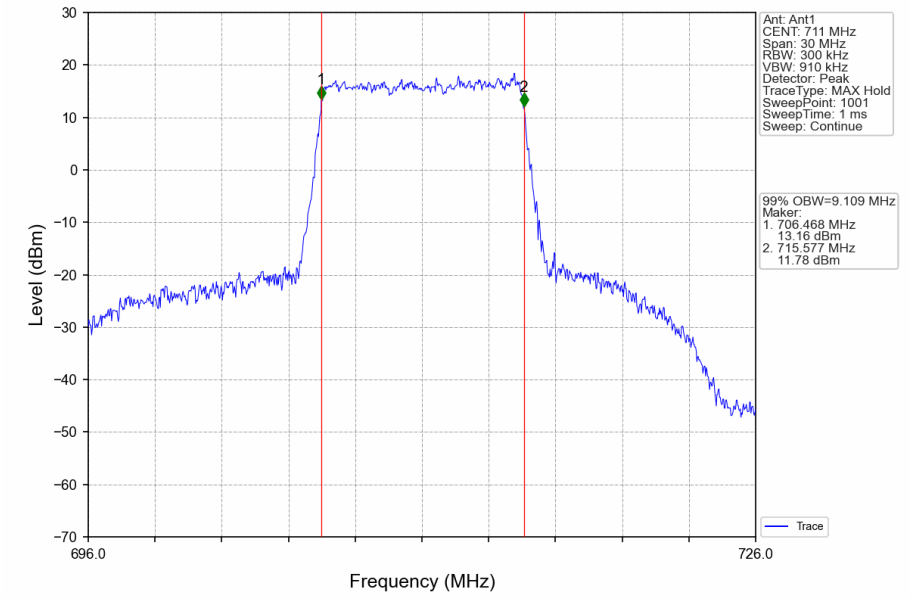
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



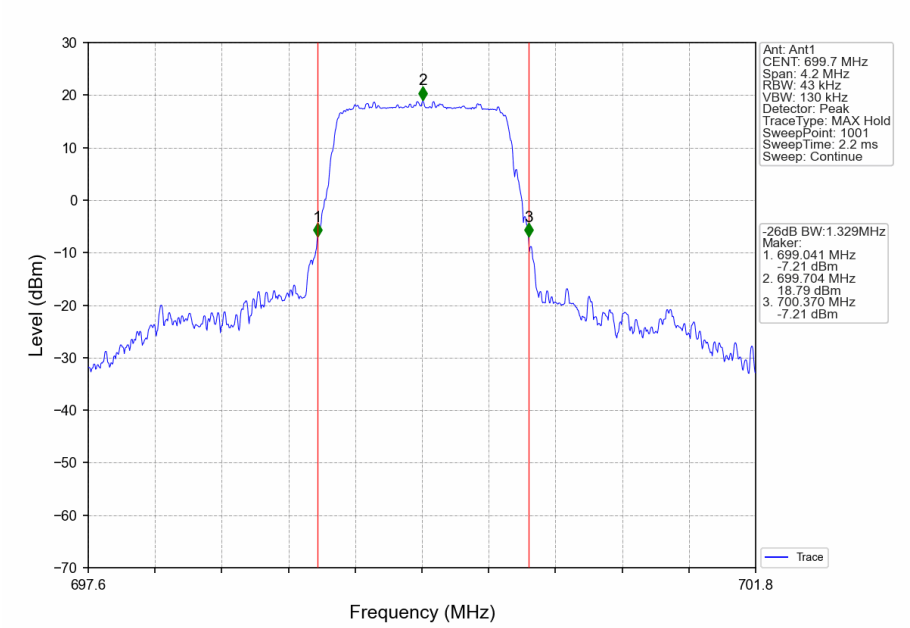
3.2 Band12_XDB

3.2.1 Test Result

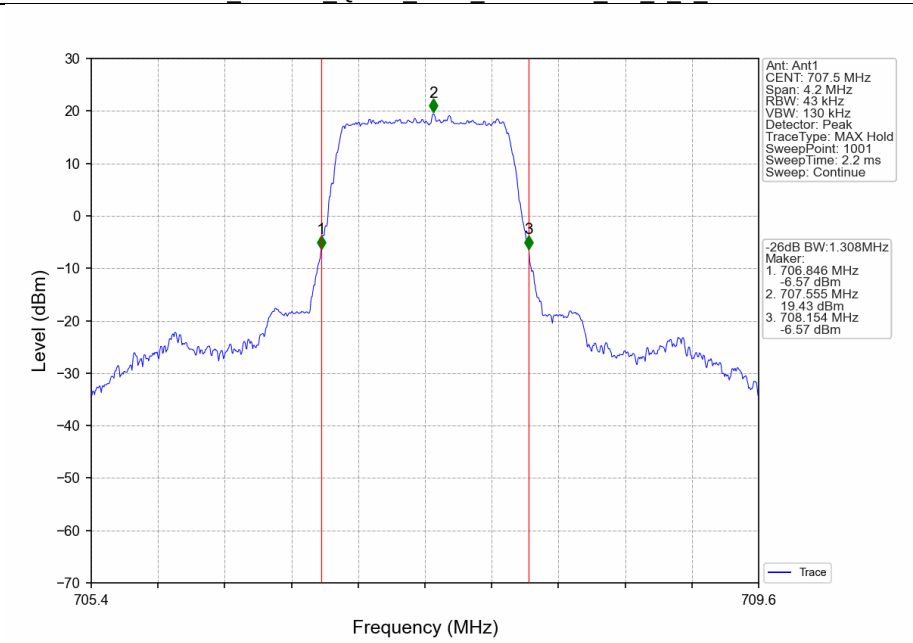
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.329	/	Pass
		707.5	6	0	1.308	/	Pass
		715.3	6	0	1.314	/	Pass
	16QAM	699.7	6	0	1.309	/	Pass
		707.5	6	0	1.327	/	Pass
		715.3	6	0	1.312	/	Pass
3	QPSK	700.5	15	0	2.995	/	Pass
		707.5	15	0	2.979	/	Pass
		714.5	15	0	2.991	/	Pass
	16QAM	700.5	15	0	3.003	/	Pass
		707.5	15	0	3.004	/	Pass
		714.5	15	0	2.989	/	Pass
5	QPSK	701.5	25	0	5.232	/	Pass
		707.5	25	0	5.280	/	Pass
		713.5	25	0	5.195	/	Pass
	16QAM	701.5	25	0	5.262	/	Pass
		707.5	25	0	5.218	/	Pass
		713.5	25	0	5.313	/	Pass
10	QPSK	704	50	0	10.356	/	Pass
		707.5	50	0	10.202	/	Pass
		711	50	0	10.301	/	Pass
	16QAM	704	50	0	10.309	/	Pass
		707.5	50	0	10.190	/	Pass
		711	50	0	10.268	/	Pass

3.2.2 Test Graph

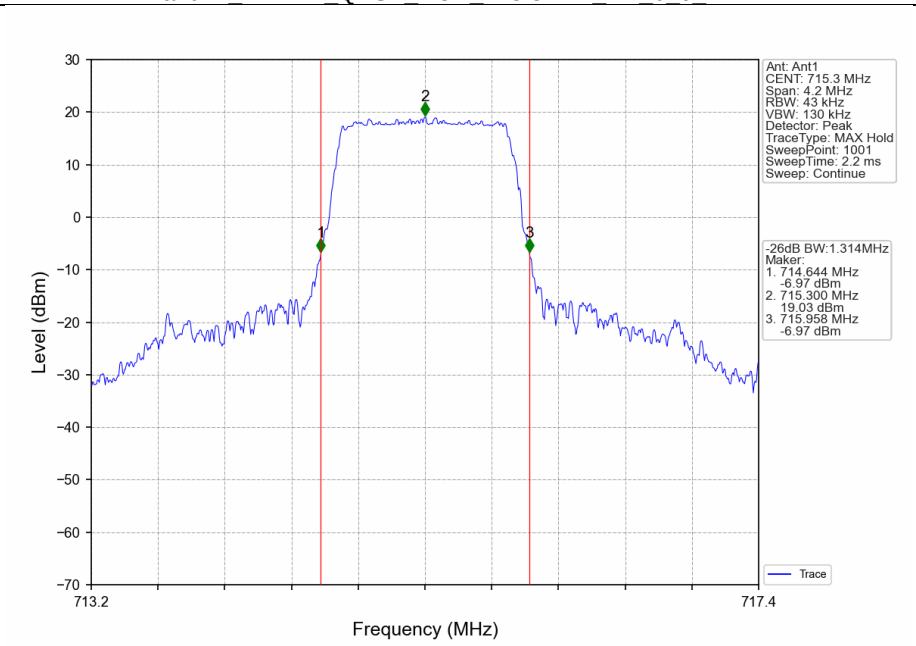
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



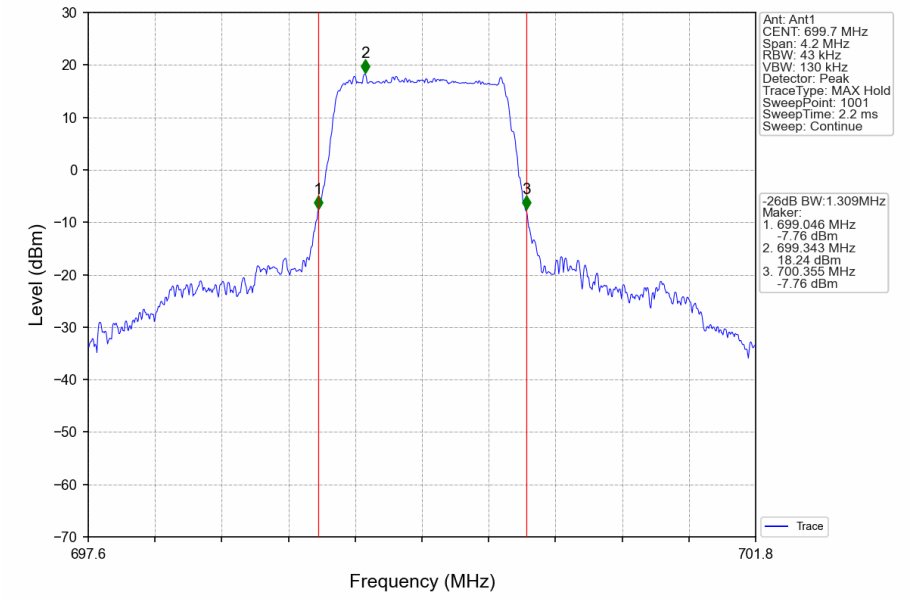
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



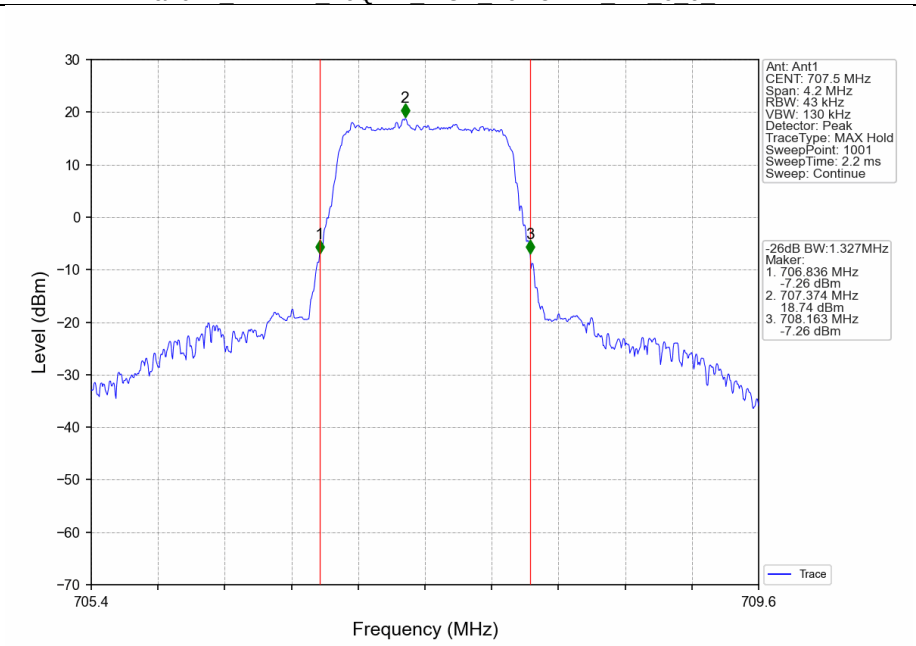
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



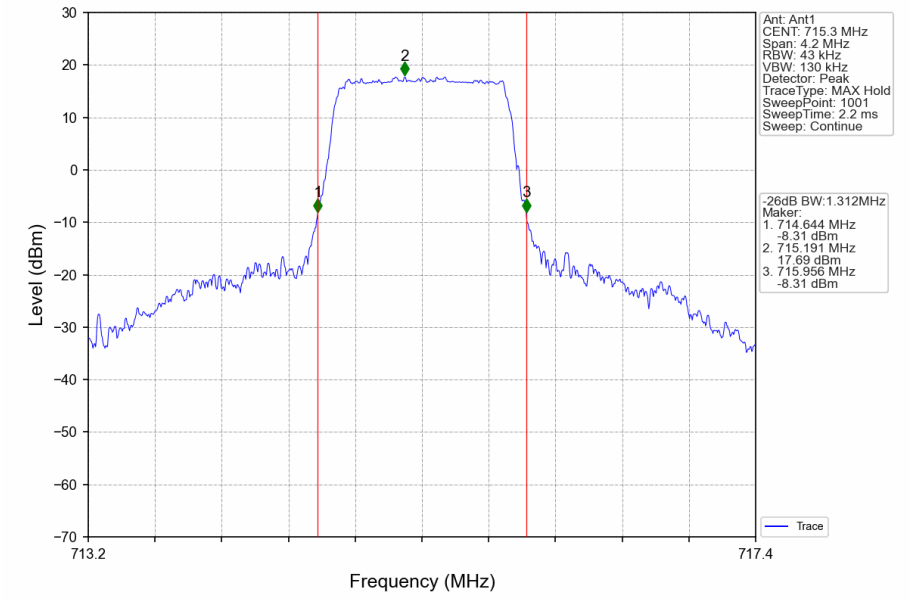
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



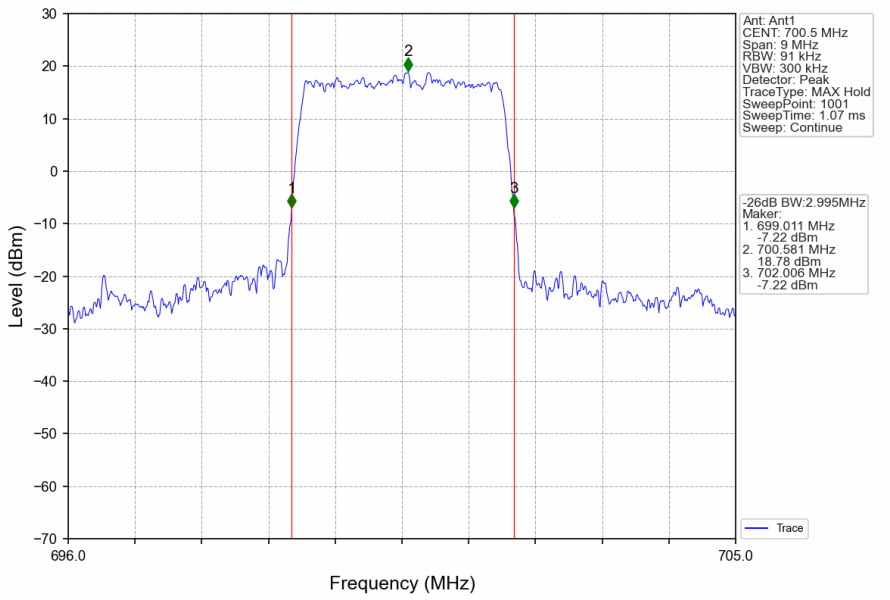
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



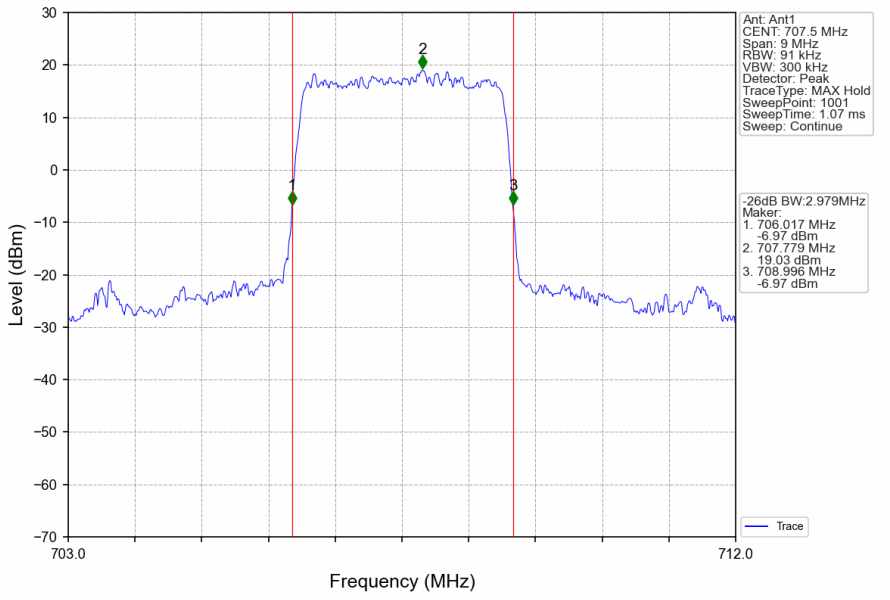
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



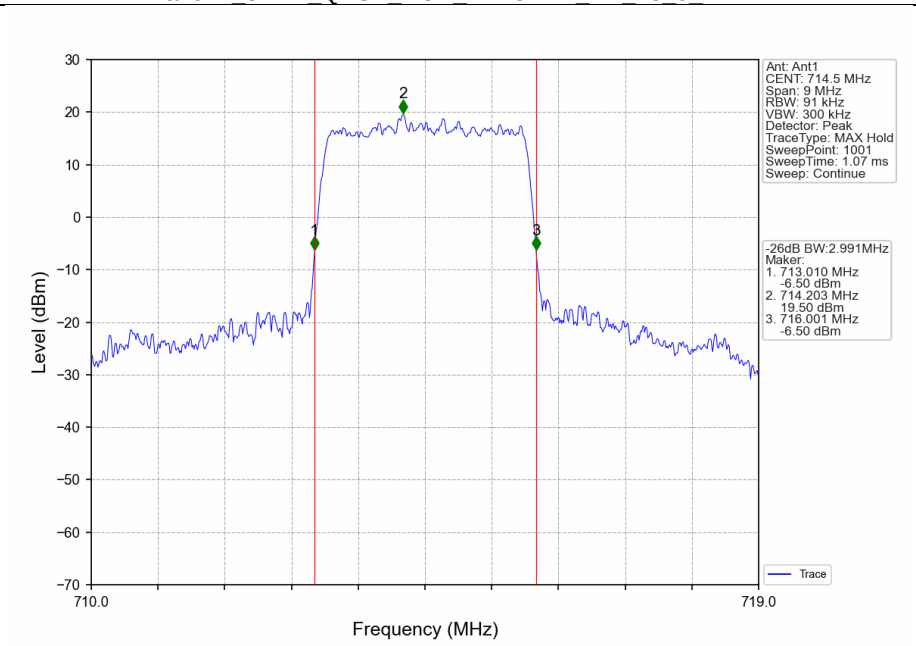
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



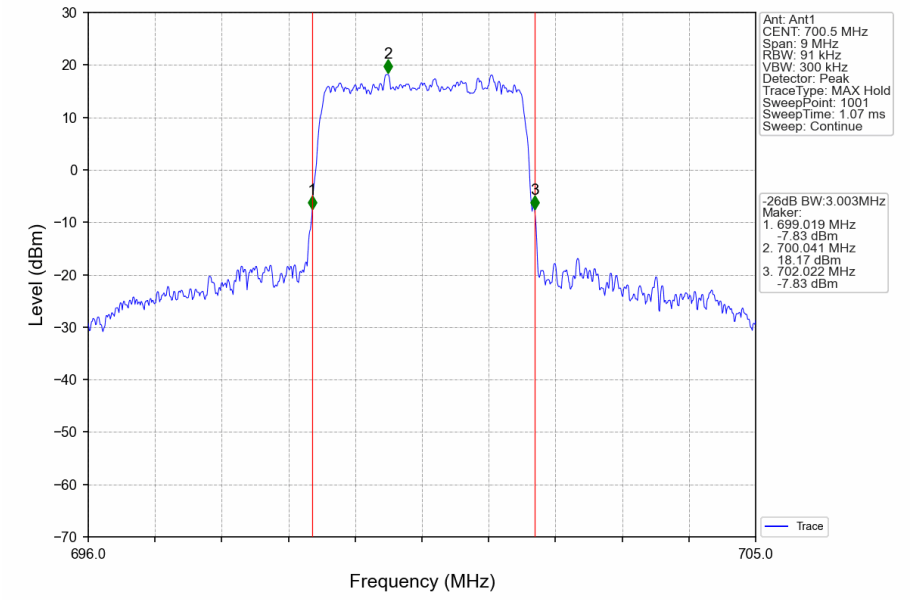
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



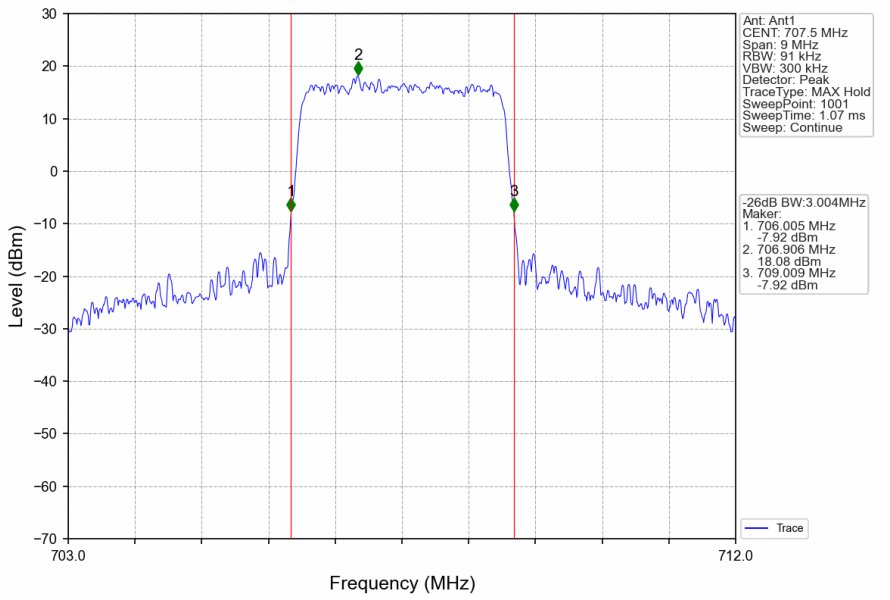
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



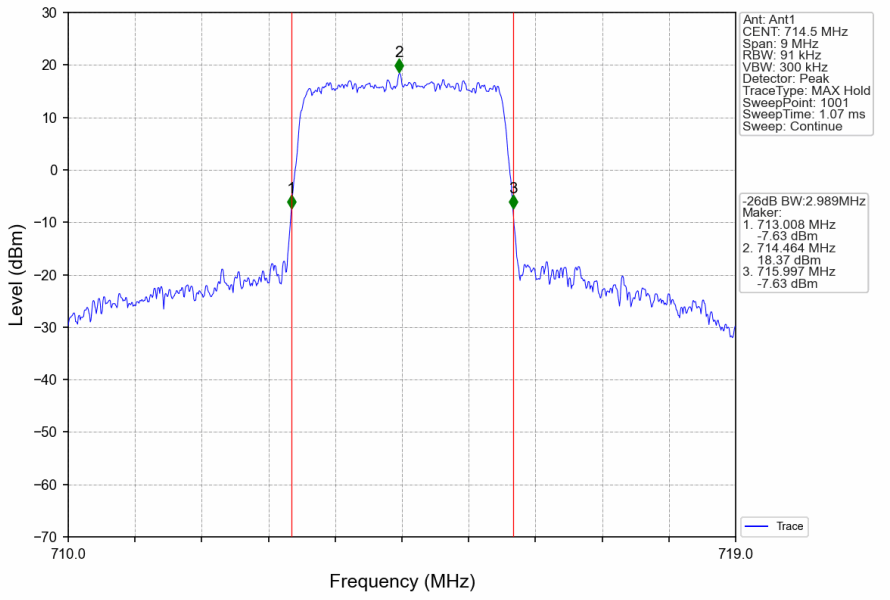
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



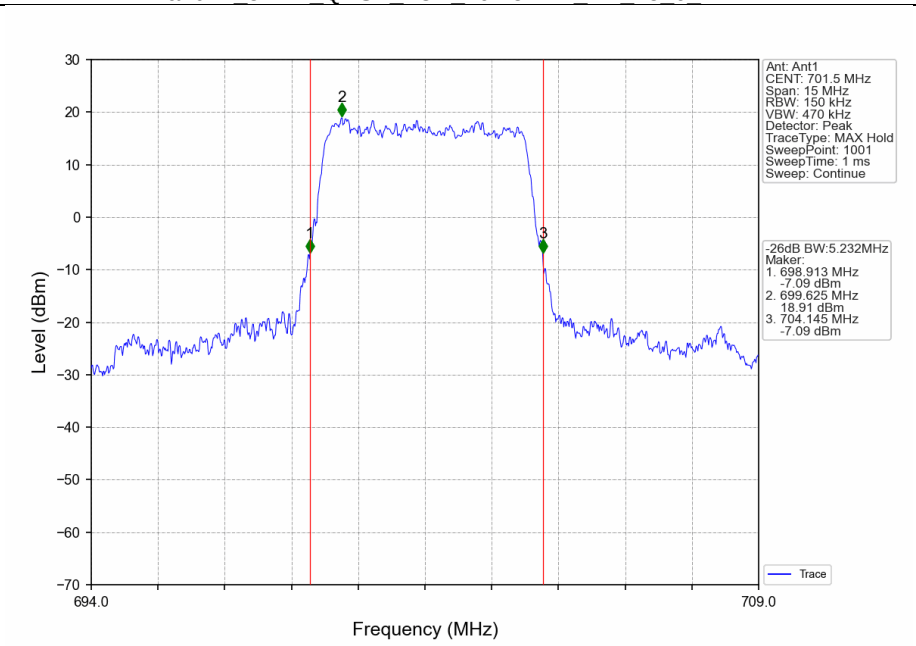
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



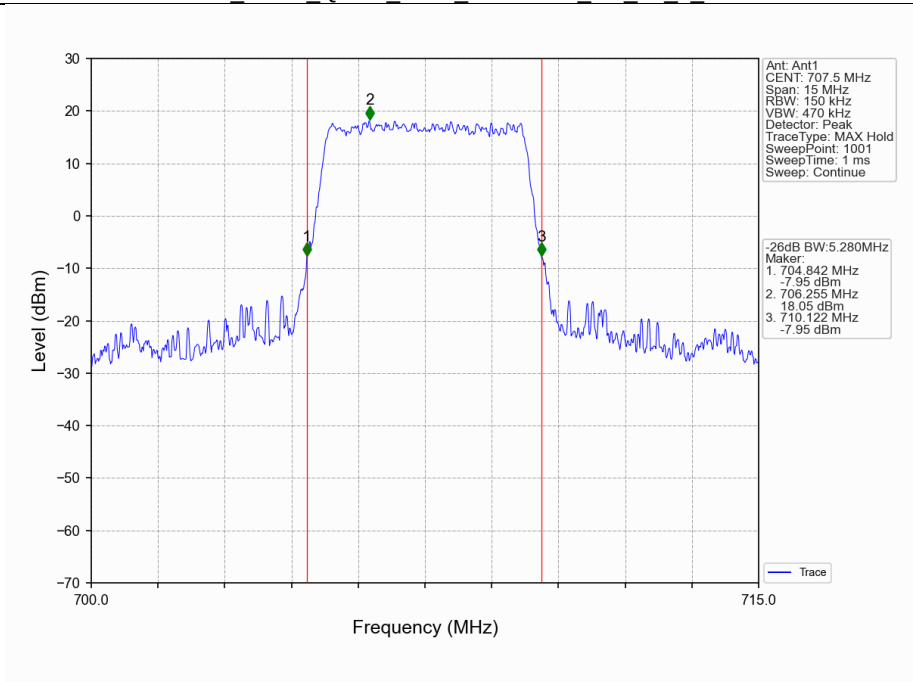
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



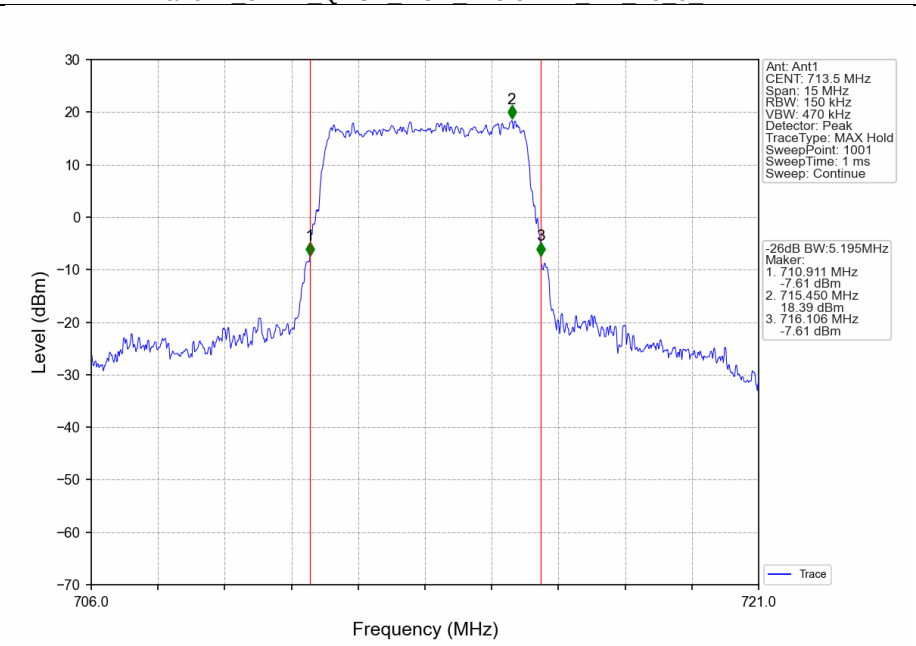
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



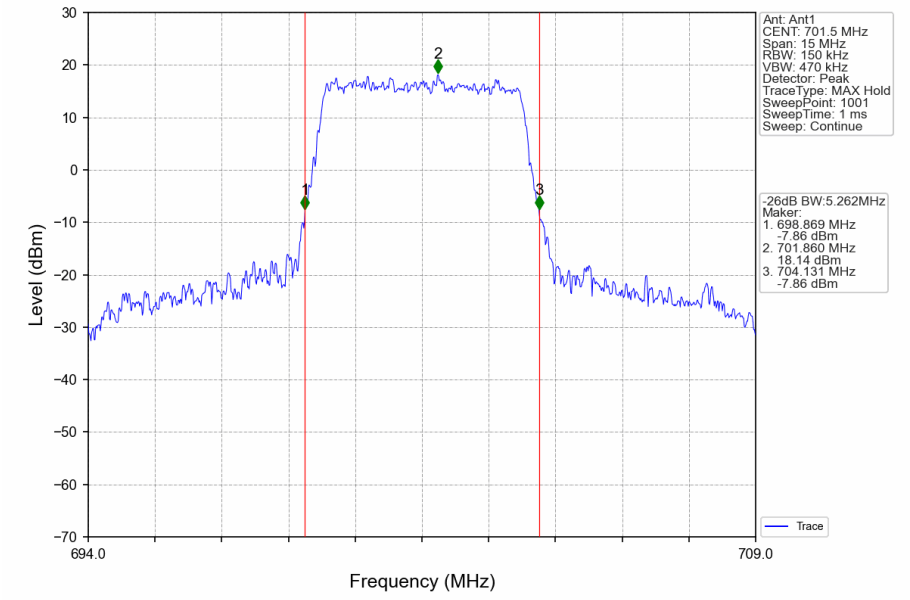
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



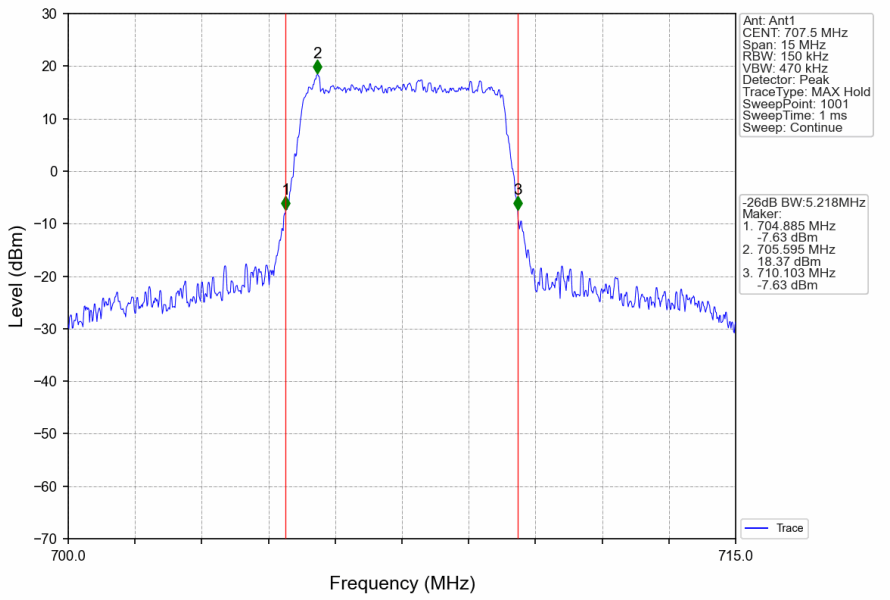
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



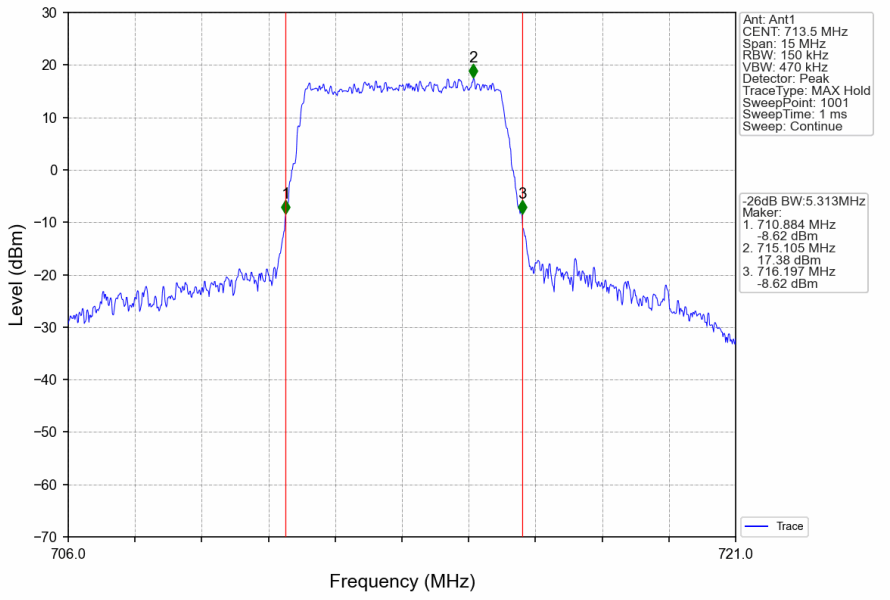
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



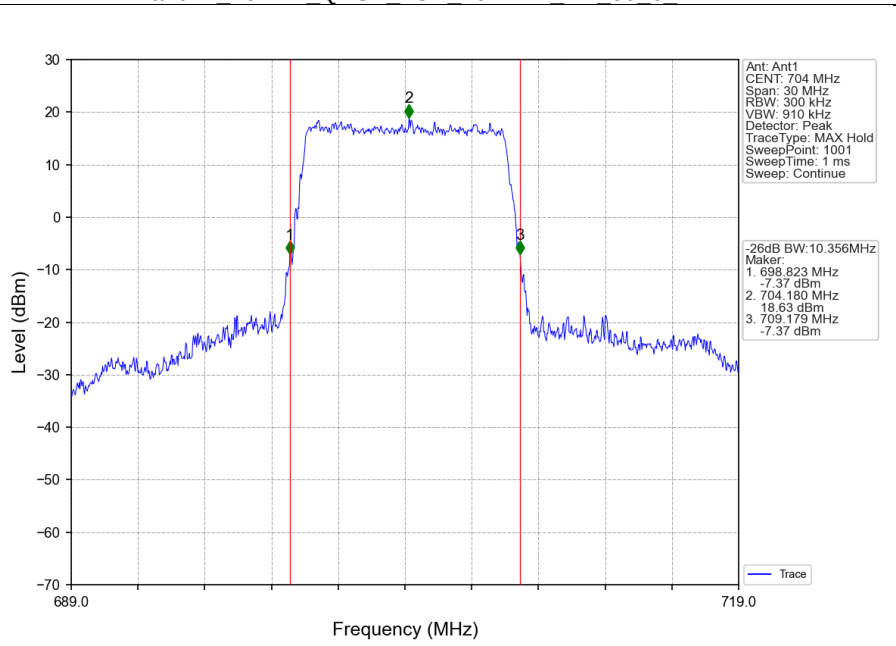
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



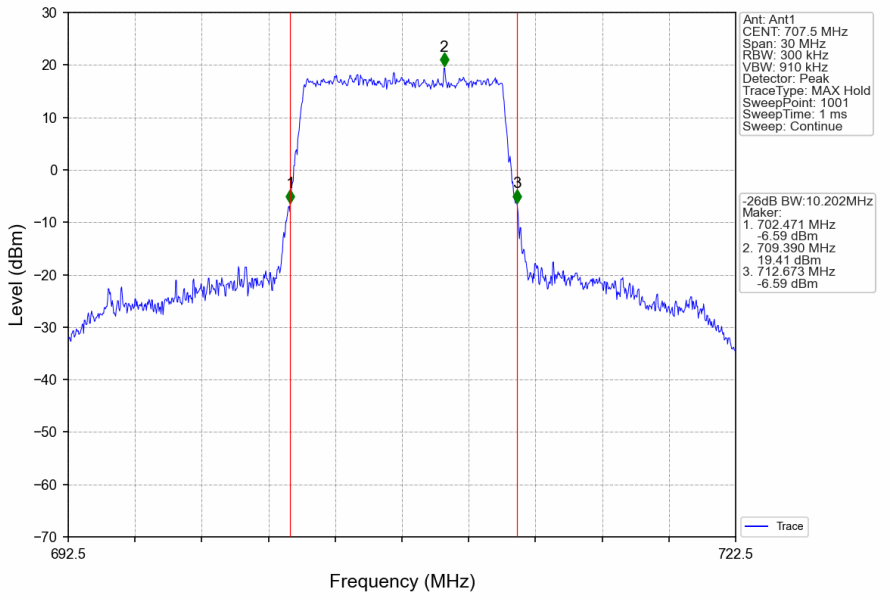
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



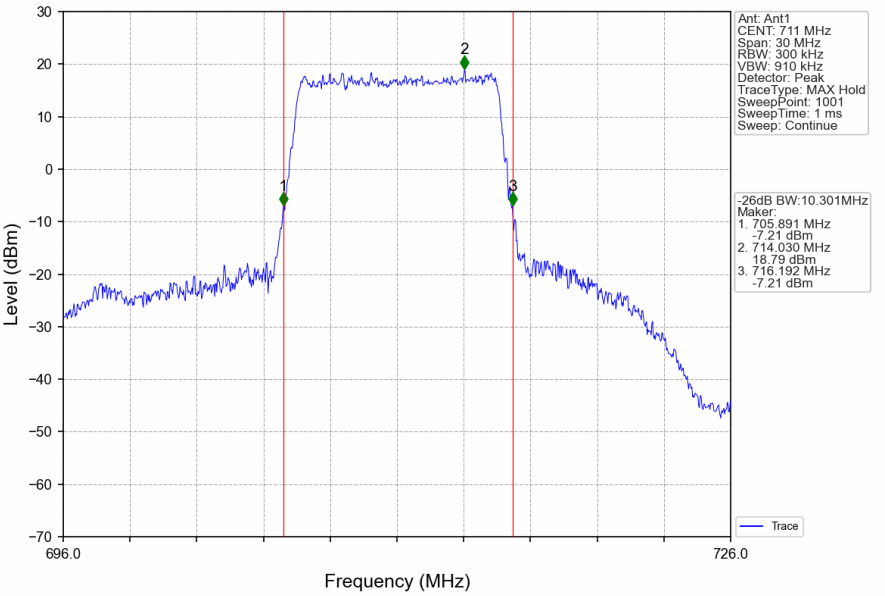
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



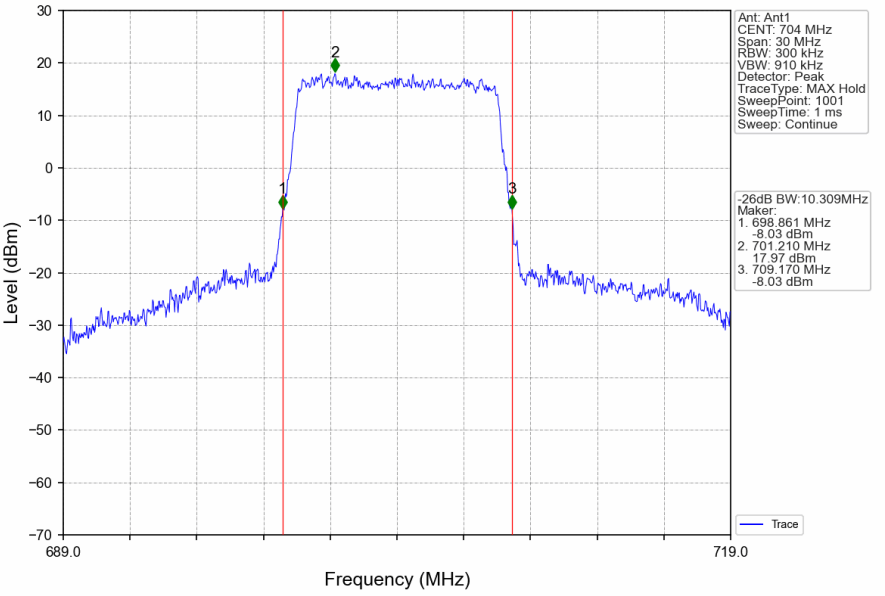
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



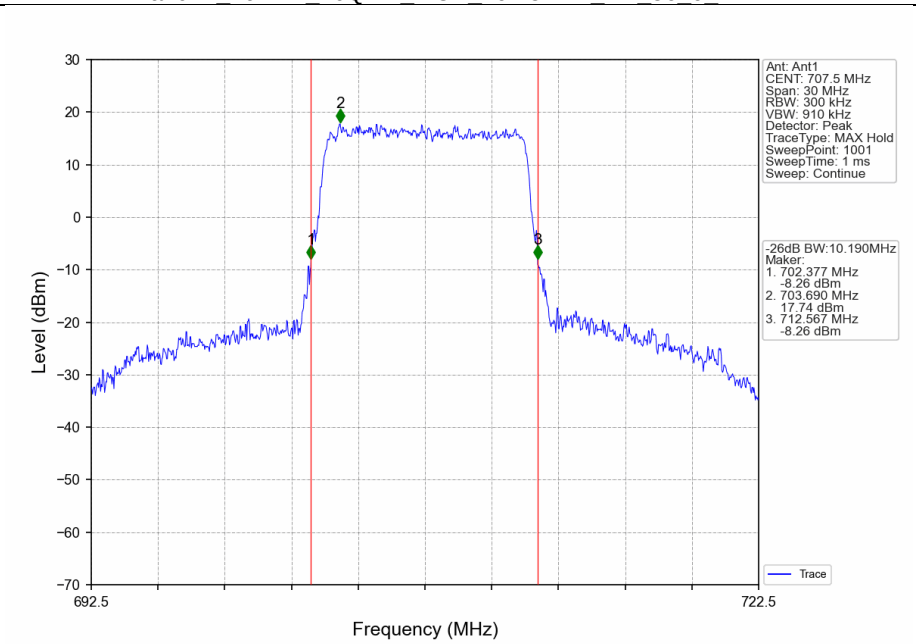
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



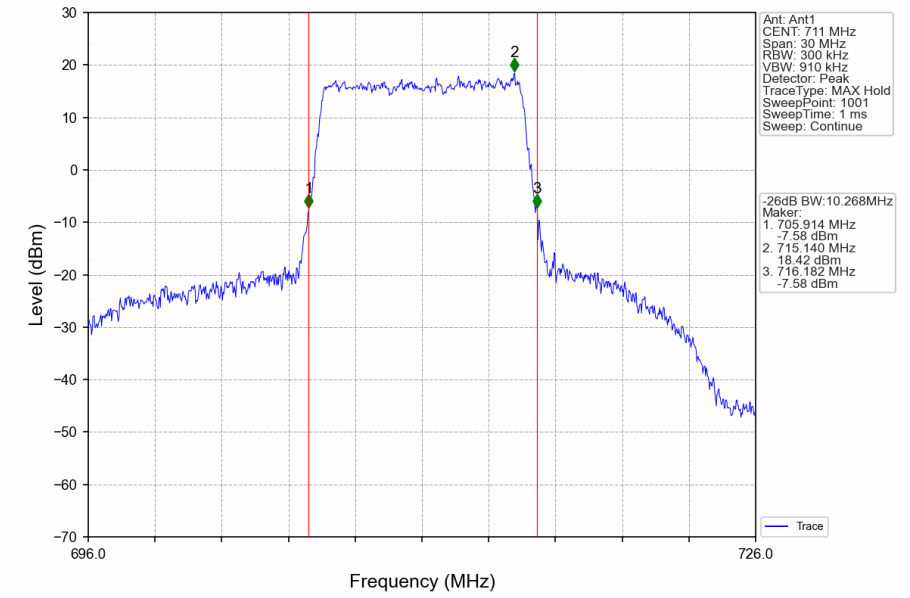
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

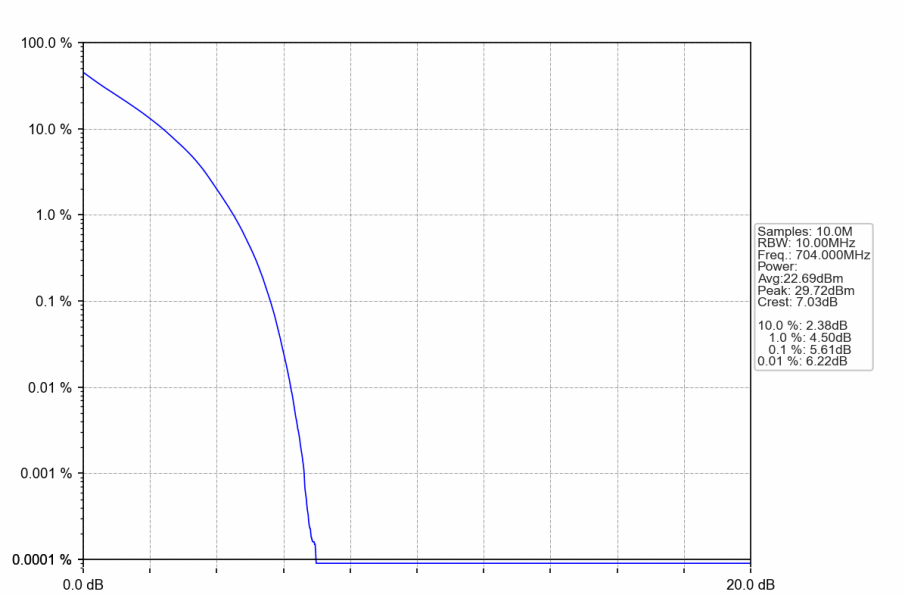
4.1 B12_10MHz

4.1.1 Test Result

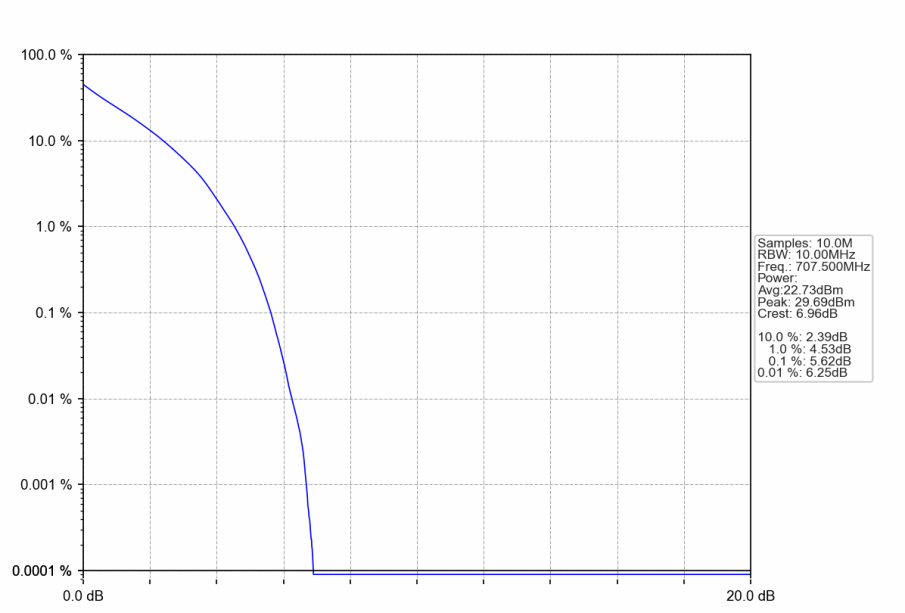
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.61	<=13	Pass
	707.5	50	0	5.62	<=13	Pass
	711	50	0	5.61	<=13	Pass
16QAM	704	50	0	6.34	<=13	Pass
	707.5	50	0	6.42	<=13	Pass
	711	50	0	6.35	<=13	Pass

4.1.2 Test Graph

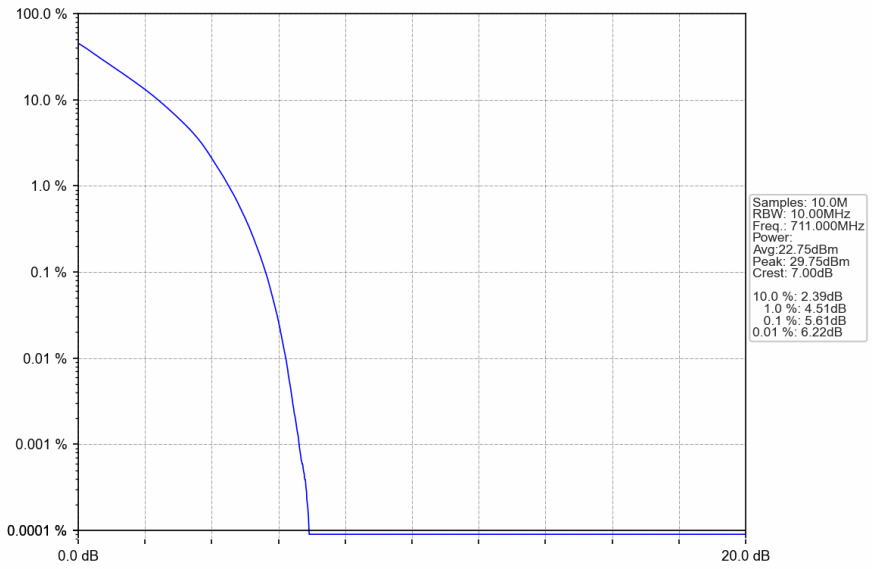
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



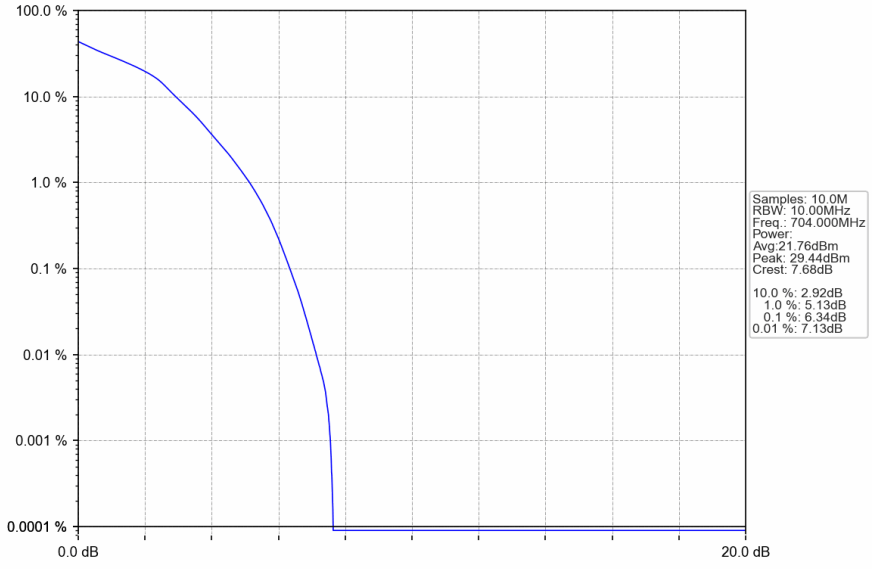
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



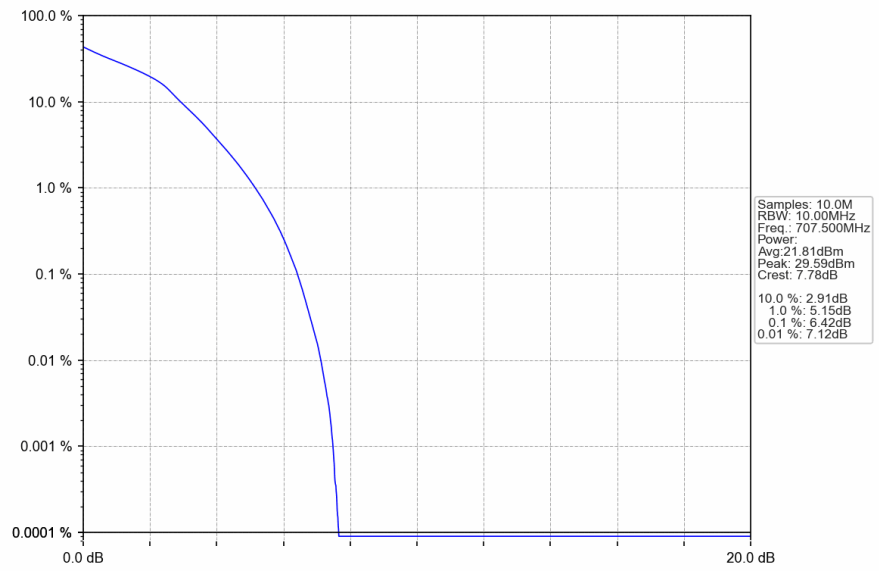
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



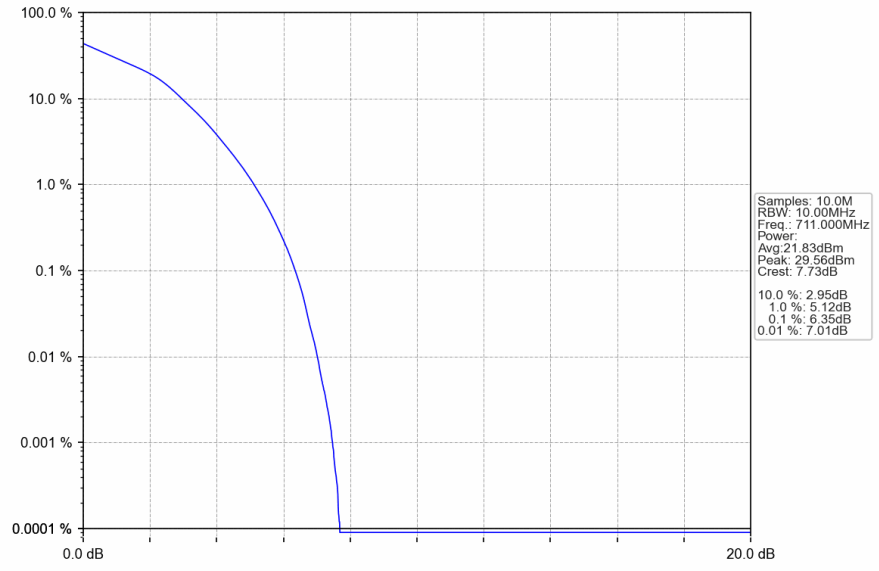
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission

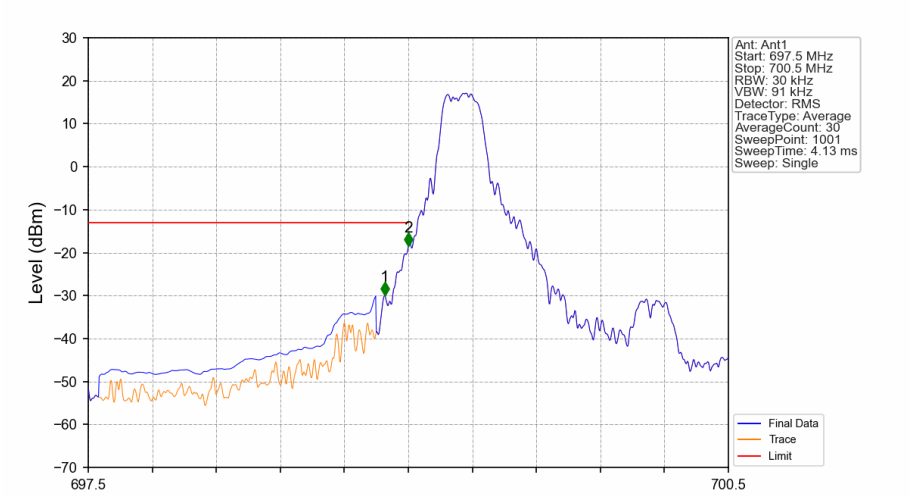
5.1 B12_1.4MHz

5.1.1 Test Result

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

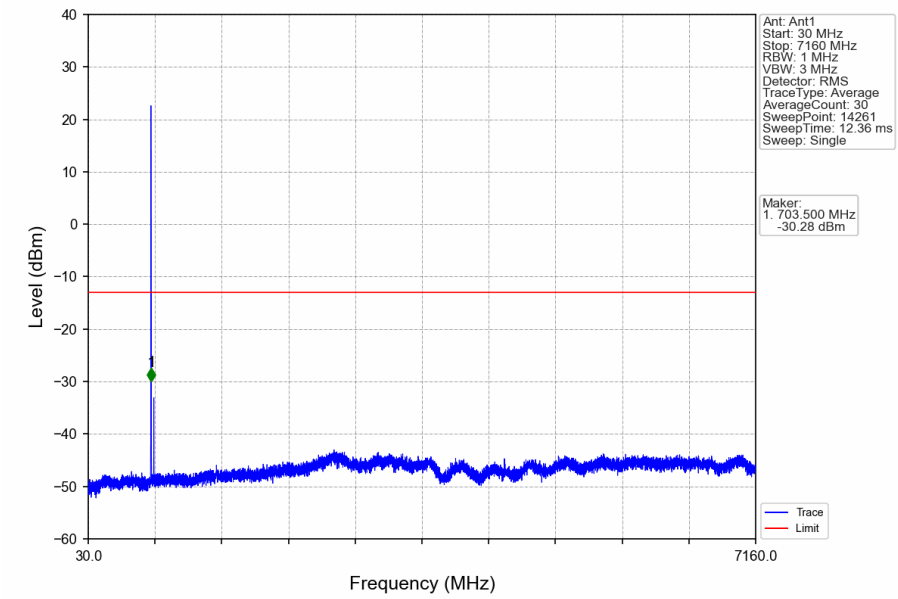
5.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

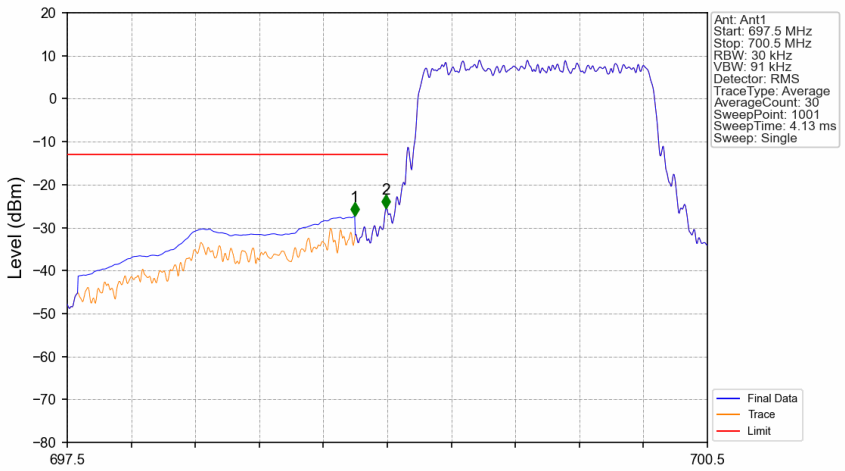


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.889	-29.97	-13	Pass
698.9	699	0.03	/	2	699.000	-18.54	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

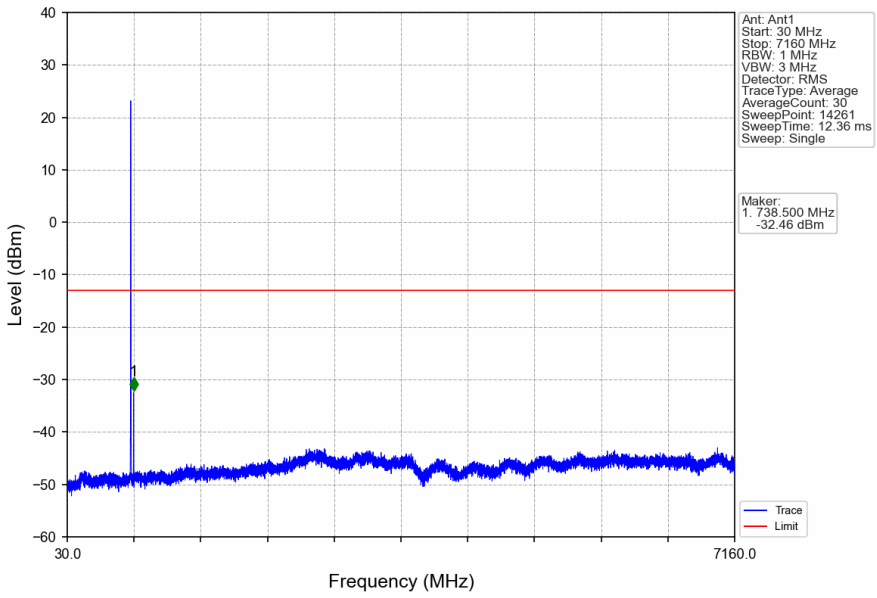


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

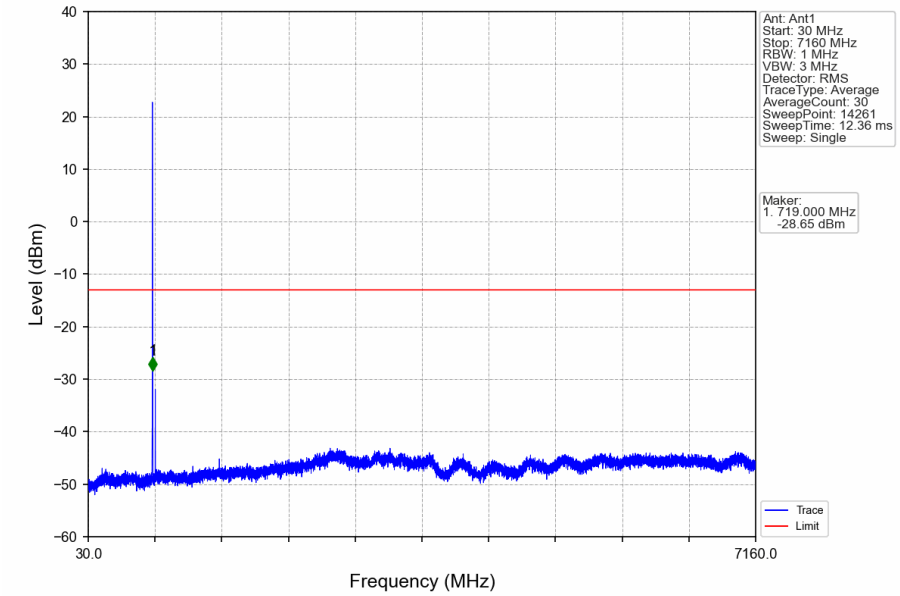


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-27.33	-13	Pass
698.9	699	0.03	/	2	698.994	-25.47	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

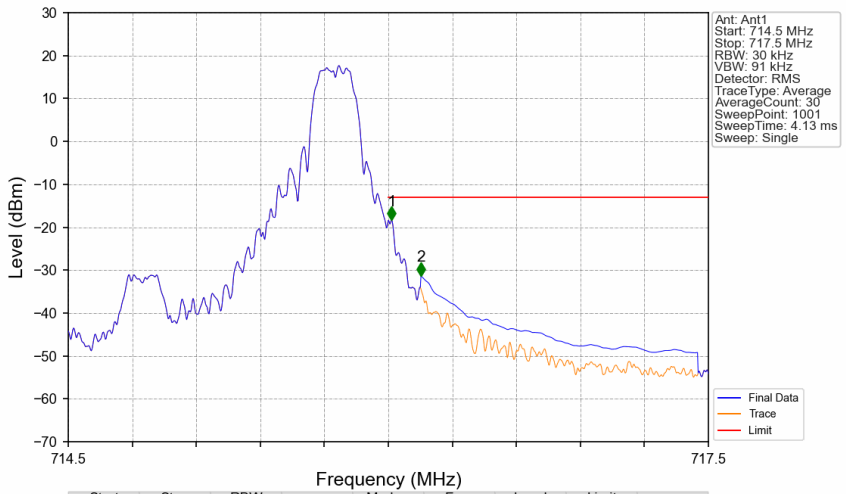
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

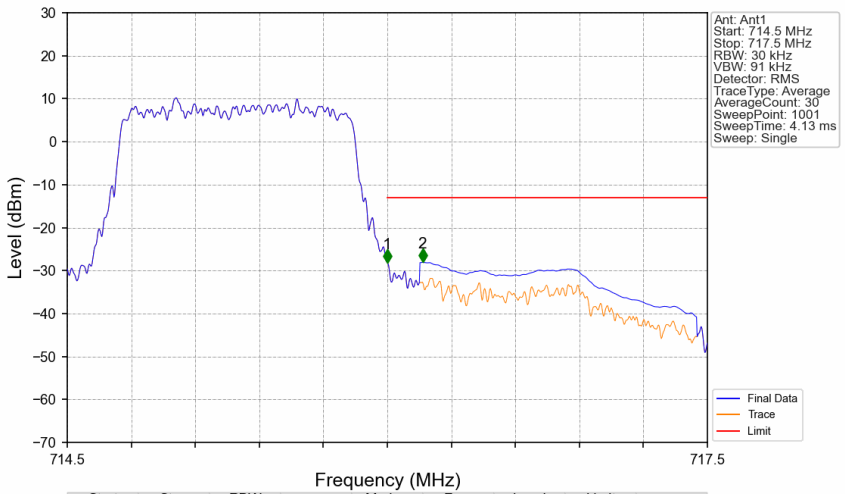


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.015	-18.27	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-31.30	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-28.19	-13	Pass
716.1	717.5	0.1	CHP	2	716.165	-28.10	-13	Pass

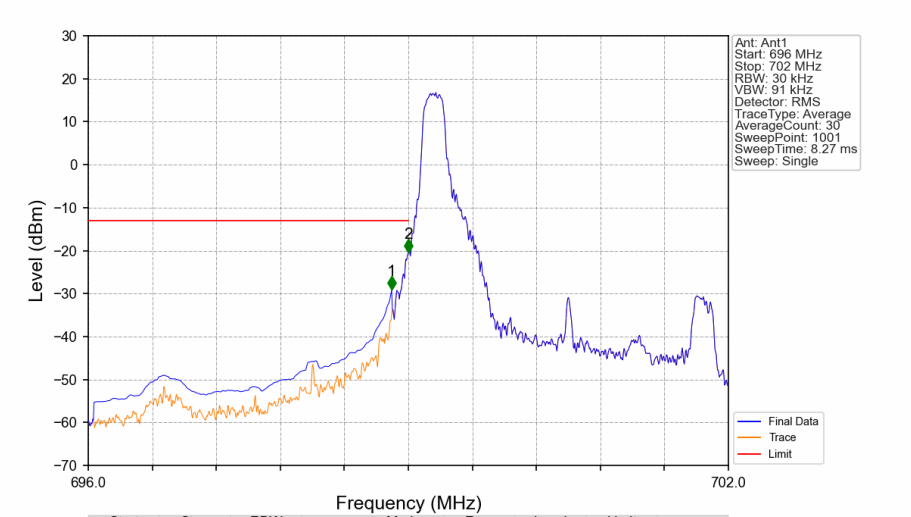
5.2 B12_3MHz

5.2.1 Test Result

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

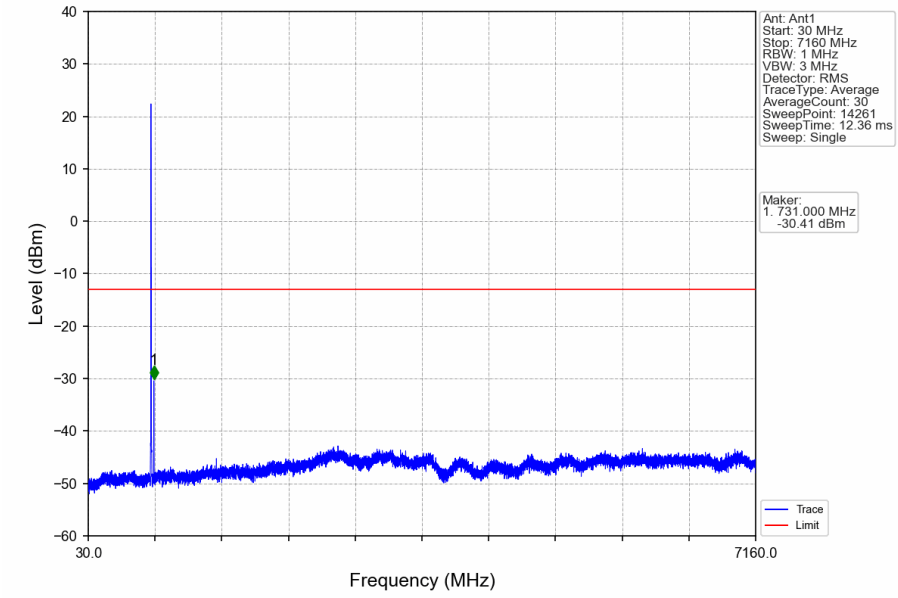
5.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

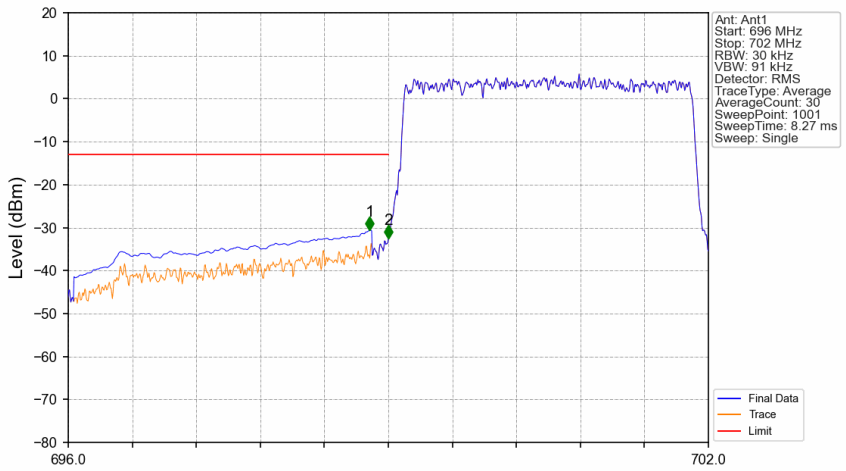


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.14	-13	Pass
698.9	699	0.03	/	2	699.000	-20.49	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

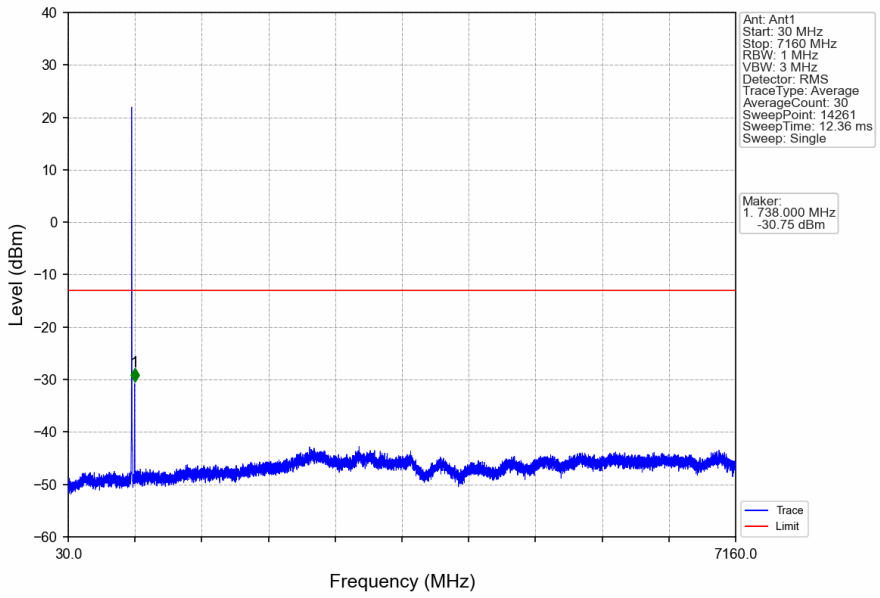


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

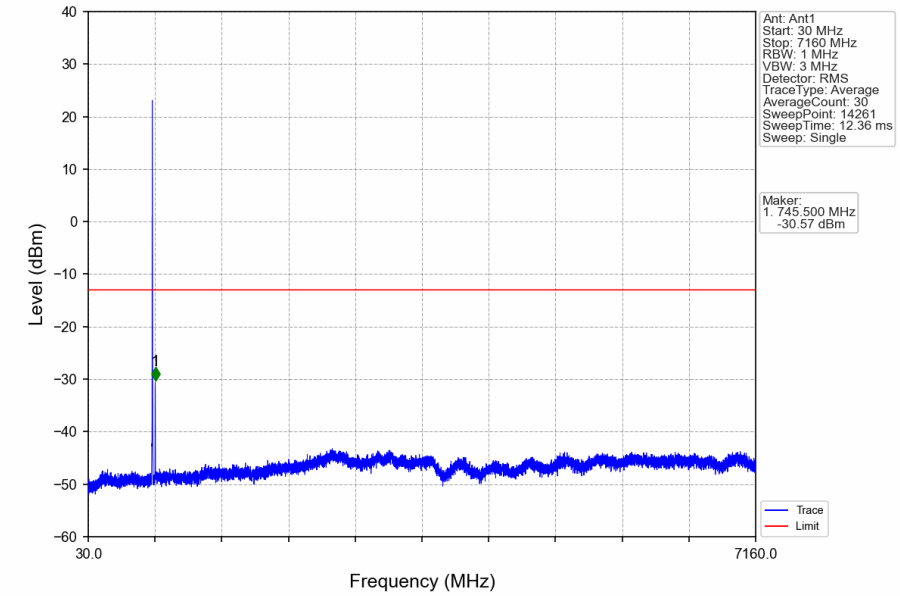


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.826	-30.62	-13	Pass
698.9	699	0.03	/	2	699.000	-32.59	-13	Pass
699	702	0.03	/	/	/	/	/	/

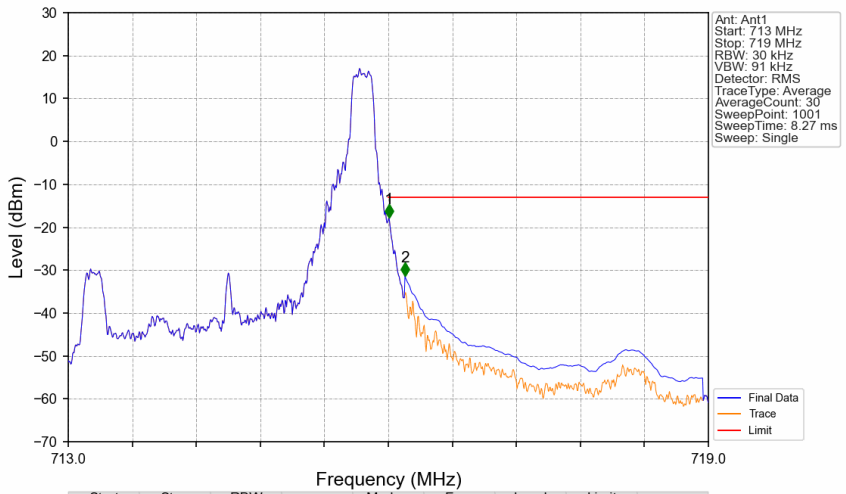
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

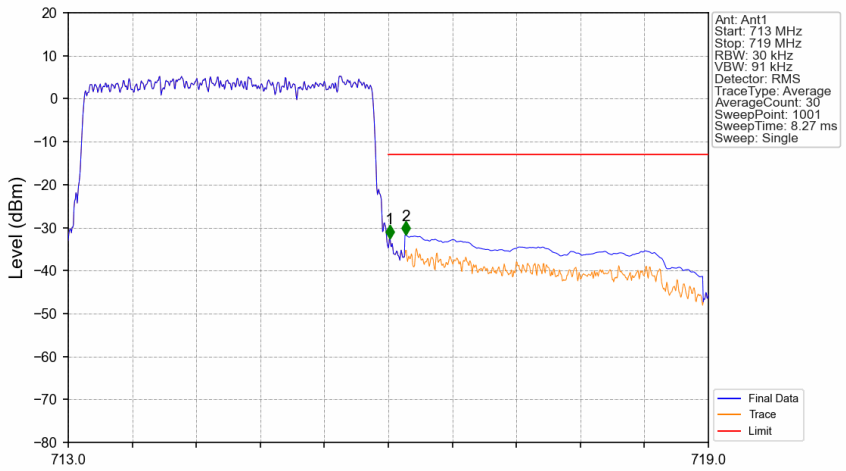


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-17.74	-13	Pass
716.1	719	0.1	CHP	2	716.156	-31.35	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-32.47	-13	Pass
716.1	719	0.1	CHP	2	716.162	-31.71	-13	Pass

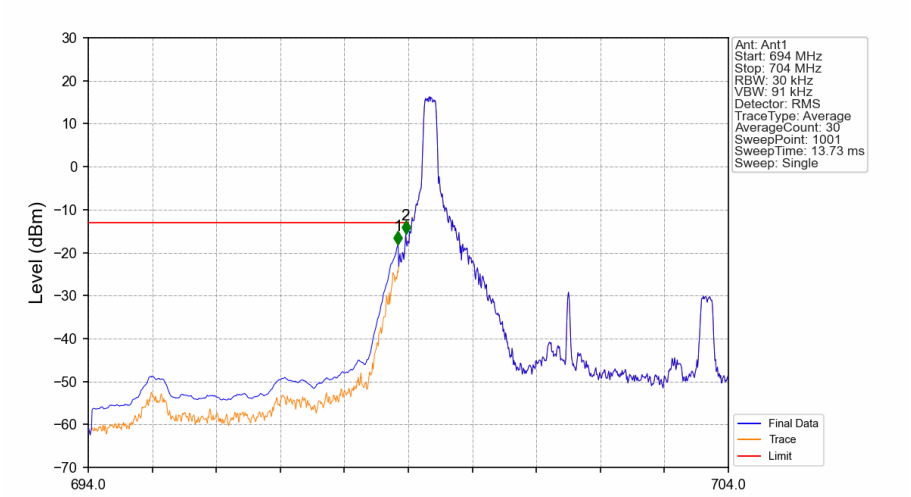
5.3 B12_5MHz

5.3.1 Test Result

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

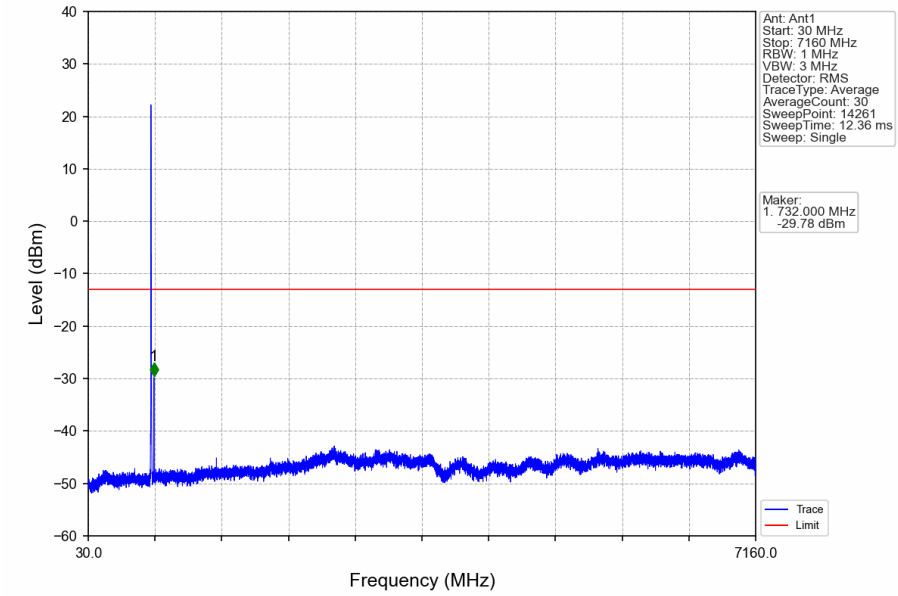
5.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

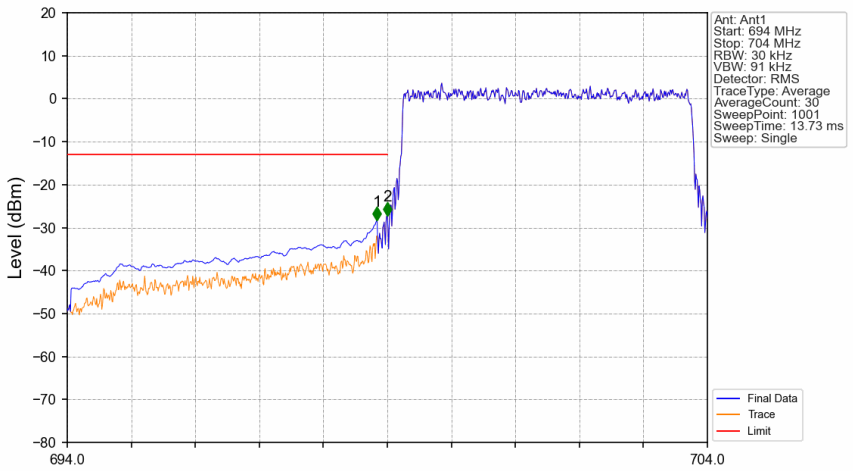


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-18.20	-13	Pass
698.9	699	0.03	/	2	698.960	-15.69	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

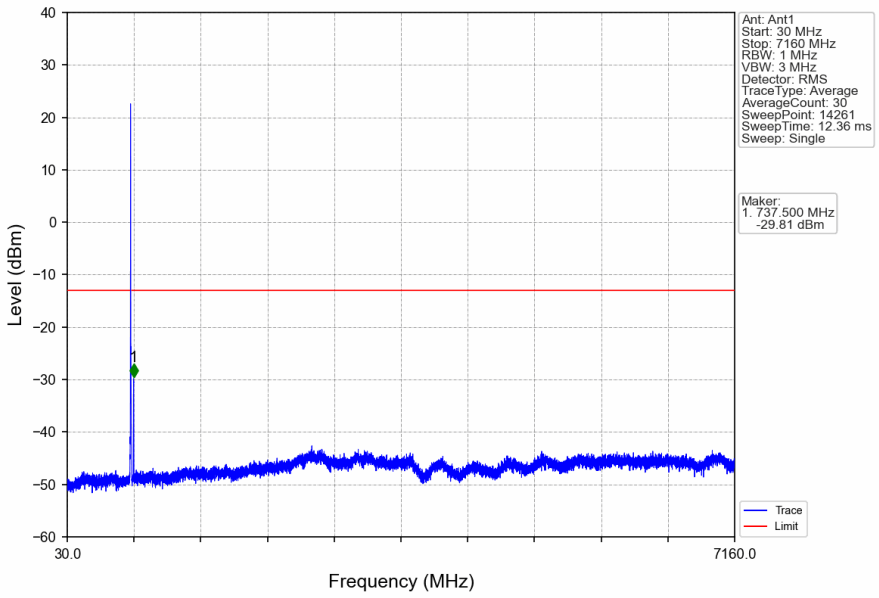


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

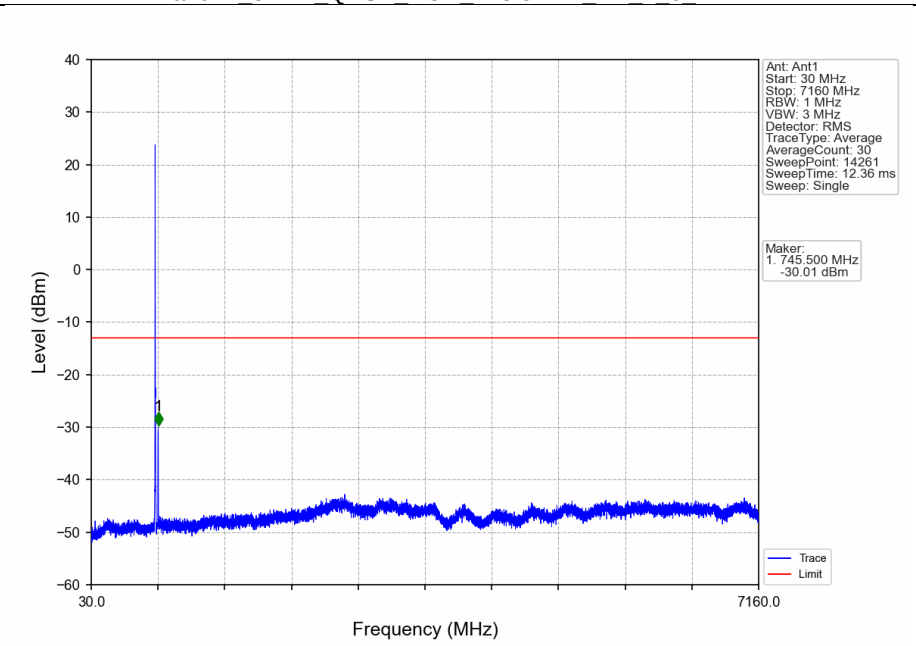


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.32	-13	Pass
698.9	699	0.03	/	2	699.000	-27.18	-13	Pass
699	704	0.03	/	/	/	/	/	/

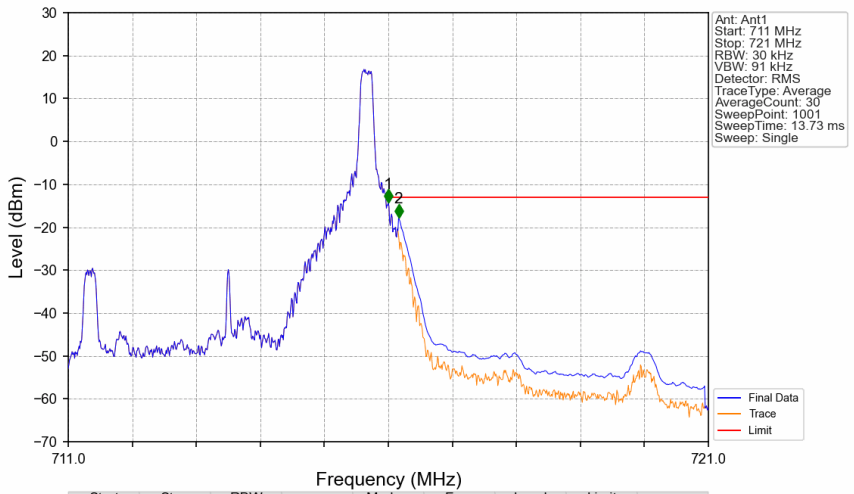
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

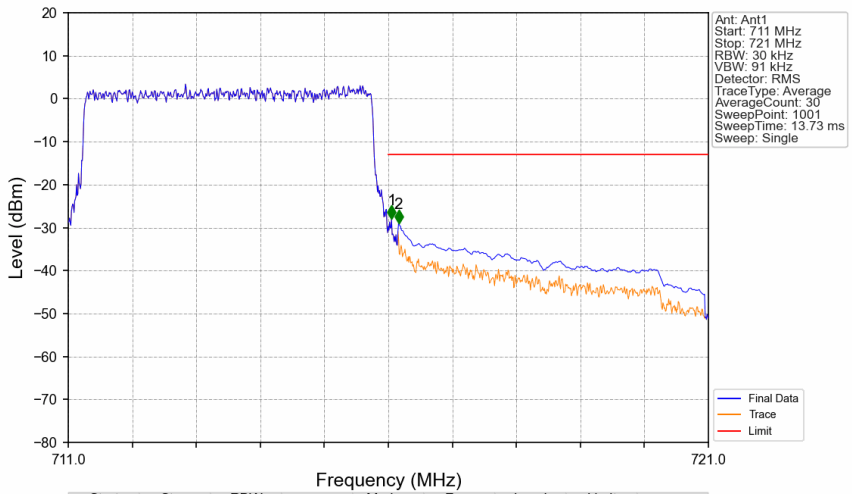


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-14.21	-13	Pass
716.1	721	0.1	CHP	2	716.160	-17.73	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.050	-28.02	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.95	-13	Pass

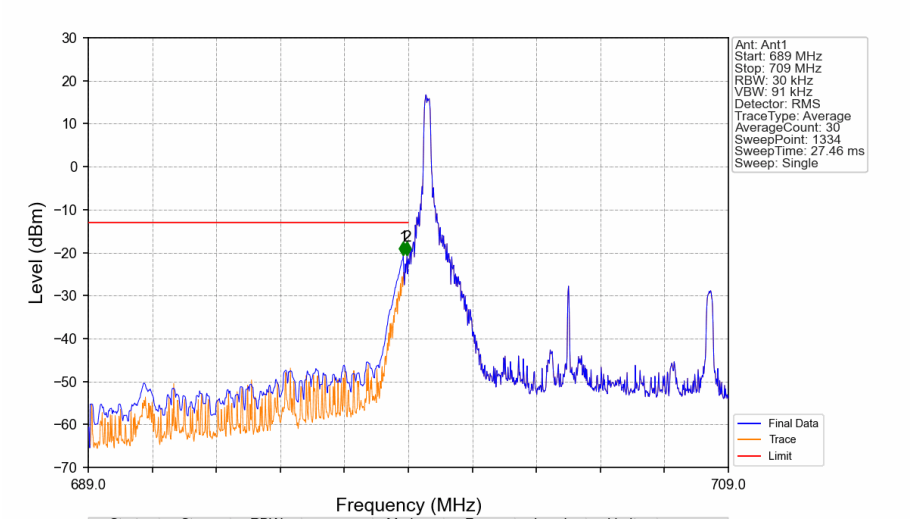
5.4 B12_10MHz

5.4.1 Test Result

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

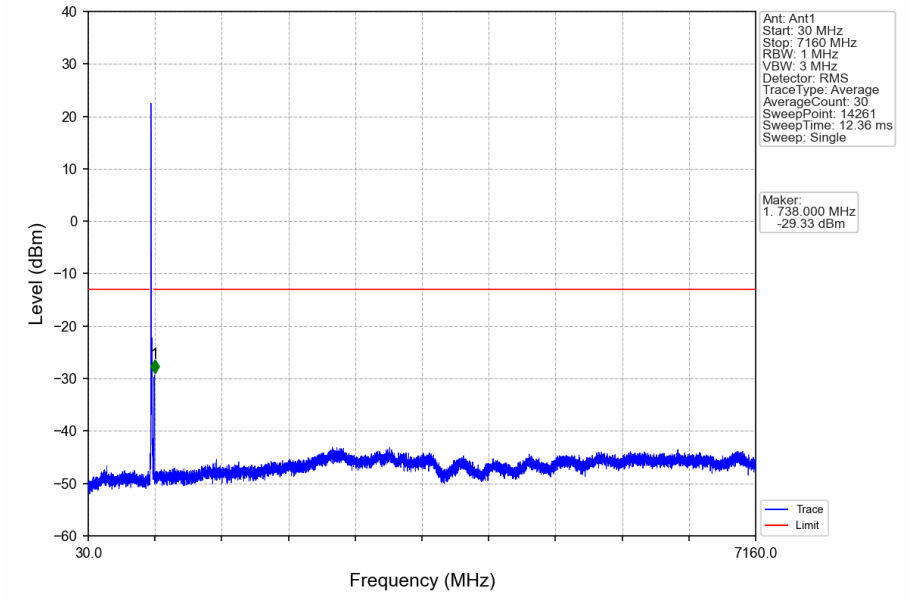
5.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

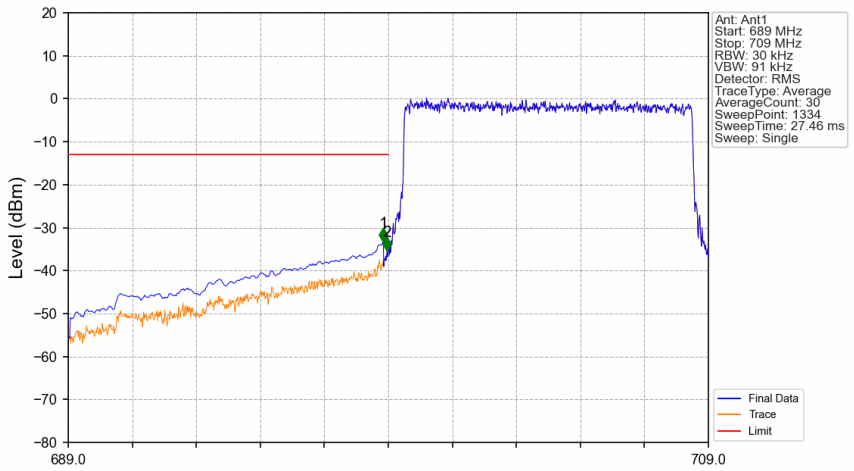


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-20.68	-13	Pass
698.9	699	0.03	/	2	698.962	-20.60	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

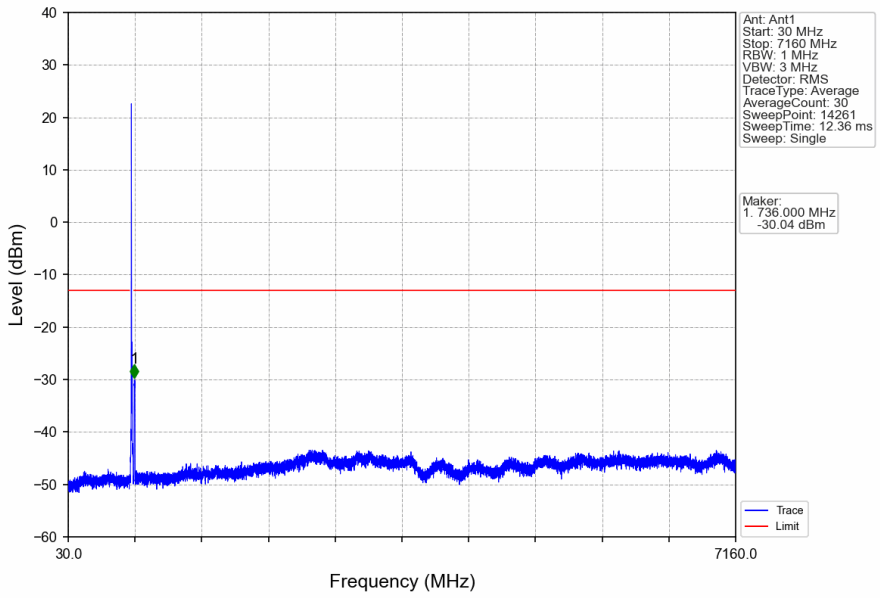


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

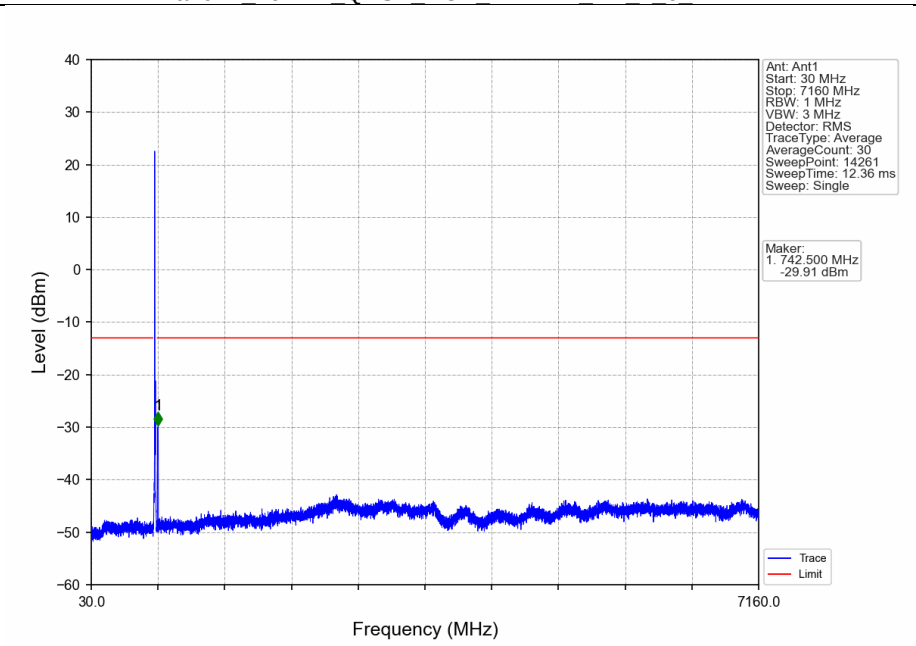


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-33.26	-13	Pass
698.9	699	0.03	/	2	698.962	-35.45	-13	Pass
699	709	0.03	/	/	/	/	/	/

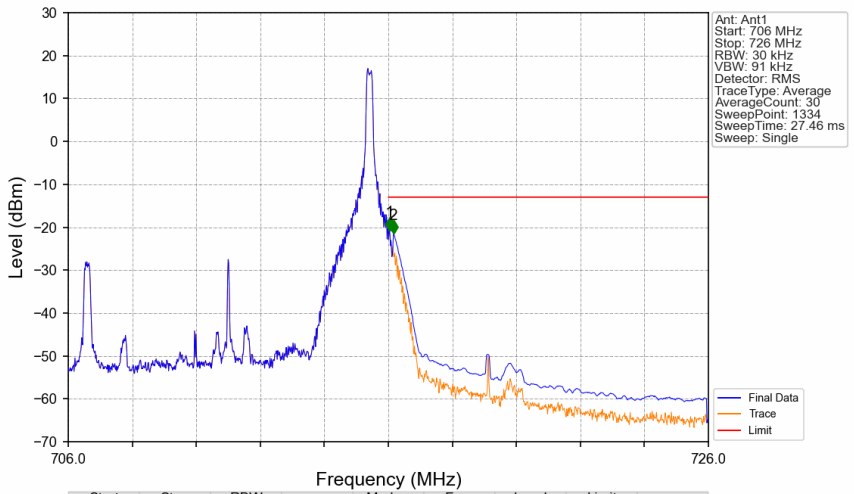
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

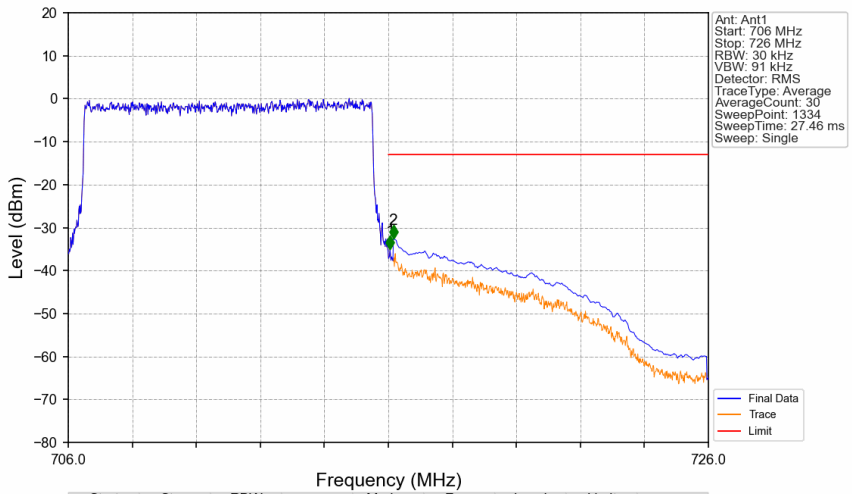


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-20.76	-13	Pass
716.1	726	0.1	CHP	2	716.158	-21.56	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.053	-34.97	-13	Pass
716.1	726	0.1	CHP	2	716.158	-32.55	-13	Pass