1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP (ANT31)

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	22.98	-5.80	15.03	<=34.77	Pass
			2	23.08	-5.80	15.13	<=34.77	Pass
			5	23.04	-5.80	15.09	<=34.77	Pass
		3	0	23.09	-5.80	15.14	<=34.77	Pass
			2	23.10	-5.80	15.15	<=34.77	Pass
			3	23.09	-5.80	15.14	<=34.77	Pass
		6	0	22.07	-5.80	14.12	<=34.77	Pass
	707.5	1	0	22.87	-5.80	14.92	<=34.77	Pass
			2	22.92	-5.80	14.97	<=34.77	Pass
			5	22.87	-5.80	14.92	<=34.77	Pass
		3	0	22.88	-5.80	14.93	<=34.77	Pass
			2	22.90	-5.80	14.95	<=34.77	Pass
			3	22.78	-5.80	14.83	<=34.77	Pass
		6	0	21.88	-5.80	13.93	<=34.77	Pass
	715.3	1	0	22.81	-5.80	14.86	<=34.77	Pass
			2	22.71	-5.80	14.76	<=34.77	Pass
			5	22.68	-5.80	14.73	<=34.77	Pass
		3	0	22.72	-5.80	14.77	<=34.77	Pass
			2	22.72	-5.80	14.77	<=34.77	Pass
			3	22.70	-5.80	14.75	<=34.77	Pass
		6	0	21.82	-5.80	13.87	<=34.77	Pass
16QAM	699.7	1	0	22.24	-5.80	14.29	<=34.77	Pass
			2	22.49	-5.80	14.54	<=34.77	Pass
			5	22.39	-5.80	14.44	<=34.77	Pass
		3	0	22.13	-5.80	14.18	<=34.77	Pass
			2	22.15	-5.80	14.20	<=34.77	Pass
			3	22.22	-5.80	14.27	<=34.77	Pass
		6	0	21.09	-5.80	13.14	<=34.77	Pass
	707.5	1	0	22.15	-5.80	14.20	<=34.77	Pass
			2	22.21	-5.80	14.26	<=34.77	Pass
			5	22.06	-5.80	14.11	<=34.77	Pass
		3	0	22.17	-5.80	14.22	<=34.77	Pass
			2	22.13	-5.80	14.18	<=34.77	Pass
			3	22.01	-5.80	14.06	<=34.77	Pass
		6	0	20.84	-5.80	12.89	<=34.77	Pass
	715.3	1	0	22.17	-5.80	14.22	<=34.77	Pass
			2	22.18	-5.80	14.23	<=34.77	Pass
			5	21.95	-5.80	14.00	<=34.77	Pass
		3	0	21.86	-5.80	13.91	<=34.77	Pass
			2	21.84	-5.80	13.89	<=34.77	Pass
			3	21.86	-5.80	13.91	<=34.77	Pass
		6	0	20.94	-5.80	12.99	<=34.77	Pass
64QAM	699.7	1	0	22.13	-5.80	14.18	<=34.77	Pass
			2	22.12	-5.80	14.17	<=34.77	Pass
			5	22.20	-5.80	14.25	<=34.77	Pass
		3	0	21.98	-5.80	14.03	<=34.77	Pass
			2	22.10	-5.80	14.15	<=34.77	Pass
			3	22.08	-5.80	14.13	<=34.77	Pass
		6	0	21.03	-5.80	13.08	<=34.77	Pass

	707.5	1	0	21.88	-5.80	13.93	<=34.77	Pass
			2	21.97	-5.80	14.02	<=34.77	Pass
			5	21.96	-5.80	14.01	<=34.77	Pass
		3	0	21.81	-5.80	13.86	<=34.77	Pass
			2	21.86	-5.80	13.91	<=34.77	Pass
			3	21.95	-5.80	14.00	<=34.77	Pass
		6	0	20.89	-5.80	12.94	<=34.77	Pass
	715.3	1	0	21.87	-5.80	13.92	<=34.77	Pass
			2	21.88	-5.80	13.93	<=34.77	Pass
			5	22.35	-5.80	14.40	<=34.77	Pass
		3	0	21.88	-5.80	13.93	<=34.77	Pass
			2	21.85	-5.80	13.90	<=34.77	Pass
			3	21.86	-5.80	13.91	<=34.77	Pass
		6	0	20.83	-5.80	12.88	<=34.77	Pass
256QAM	699.7	1	0	18.06	-5.80	10.11	<=34.77	Pass
			2	17.98	-5.80	10.03	<=34.77	Pass
			5	18.14	-5.80	10.19	<=34.77	Pass
		3	0	18.10	-5.80	10.15	<=34.77	Pass
			2	18.03	-5.80	10.08	<=34.77	Pass
			3	18.14	-5.80	10.19	<=34.77	Pass
		6	0	18.02	-5.80	10.07	<=34.77	Pass
	707.5	1	0	17.89	-5.80	9.94	<=34.77	Pass
			2	18.11	-5.80	10.16	<=34.77	Pass
			5	18.05	-5.80	10.10	<=34.77	Pass
		3	0	17.88	-5.80	9.93	<=34.77	Pass
			2	18.02	-5.80	10.07	<=34.77	Pass
			3	17.97	-5.80	10.02	<=34.77	Pass
		6	0	17.86	-5.80	9.91	<=34.77	Pass
	715.3	1	0	18.03	-5.80	10.08	<=34.77	Pass
			2	18.00	-5.80	10.05	<=34.77	Pass
			5	17.99	-5.80	10.04	<=34.77	Pass
		3	0	17.98	-5.80	10.03	<=34.77	Pass
			2	17.94	-5.80	9.99	<=34.77	Pass
			3	17.85	-5.80	9.90	<=34.77	Pass
		6	0	17.87	-5.80	9.92	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP (ANT31)

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	23.07	-5.80	15.12	<=34.77	Pass
			7	22.98	-5.80	15.03	<=34.77	Pass
			14	22.95	-5.80	15.00	<=34.77	Pass
		8	0	22.08	-5.80	14.13	<=34.77	Pass
			4	22.05	-5.80	14.10	<=34.77	Pass
			7	21.99	-5.80	14.04	<=34.77	Pass
		15	0	22.12	-5.80	14.17	<=34.77	Pass
	707.5	1	0	23.00	-5.80	15.05	<=34.77	Pass
			7	22.89	-5.80	14.94	<=34.77	Pass
			14	22.79	-5.80	14.84	<=34.77	Pass
		8	0	21.90	-5.80	13.95	<=34.77	Pass
			4	21.89	-5.80	13.94	<=34.77	Pass
			7	21.95	-5.80	14.00	<=34.77	Pass
		15	0	21.85	-5.80	13.90	<=34.77	Pass
	714.5	1	0	22.87	-5.80	14.92	<=34.77	Pass

			7	22.78	-5.80	14.83	<=34.77	Pass
			14	22.68	-5.80	14.73	<=34.77	Pass
		8	0	21.92	-5.80	13.97	<=34.77	Pass
			4	21.93	-5.80	13.98	<=34.77	Pass
			7	21.87	-5.80	13.92	<=34.77	Pass
		15	0	21.80	-5.80	13.85	<=34.77	Pass
16QAM	700.5	1	0	22.38	-5.80	14.43	<=34.77	Pass
			7	22.48	-5.80	14.53	<=34.77	Pass
			14	22.52	-5.80	14.57	<=34.77	Pass
		8	0	21.10	-5.80	13.15	<=34.77	Pass
			4	21.13	-5.80	13.18	<=34.77	Pass
			7	21.05	-5.80	13.10	<=34.77	Pass
		15	0	21.14	-5.80	13.19	<=34.77	Pass
	707.5	1	0	22.23	-5.80	14.28	<=34.77	Pass
			7	22.14	-5.80	14.19	<=34.77	Pass
			14	22.12	-5.80	14.17	<=34.77	Pass
		8	0	21.02	-5.80	13.07	<=34.77	Pass
			4	21.04	-5.80	13.09	<=34.77	Pass
			7	20.99	-5.80	13.04	<=34.77	Pass
		15	0	20.91	-5.80	12.96	<=34.77	Pass
	714.5	1	0	22.26	-5.80	14.31	<=34.77	Pass
			7	22.12	-5.80	14.17	<=34.77	Pass
			14	21.92	-5.80	13.97	<=34.77	Pass
		8	0	20.86	-5.80	12.91	<=34.77	Pass
			4	21.00	-5.80	13.05	<=34.77	Pass
			7	20.99	-5.80	13.04	<=34.77	Pass
		15	0	20.93	-5.80	12.98	<=34.77	Pass
64QAM	700.5	1	0	22.35	-5.80	14.40	<=34.77	Pass
			7	22.26	-5.80	14.31	<=34.77	Pass
			14	22.06	-5.80	14.11	<=34.77	Pass
		8	0	21.08	-5.80	13.13	<=34.77	Pass
			4	21.10	-5.80	13.15	<=34.77	Pass
			7	21.05	-5.80	13.10	<=34.77	Pass
		15	0	21.20	-5.80	13.25	<=34.77	Pass
	707.5	1	0	22.01	-5.80	14.06	<=34.77	Pass
			7	22.15	-5.80	14.20	<=34.77	Pass
			14	21.88	-5.80	13.93	<=34.77	Pass
		8	0	21.01	-5.80	13.06	<=34.77	Pass
			4	20.93	-5.80	12.98	<=34.77	Pass
			7	20.98	-5.80	13.03	<=34.77	Pass
		15	0	20.89	-5.80	12.94	<=34.77	Pass
	714.5	1	0	22.06	-5.80	14.11	<=34.77	Pass
			7	22.07	-5.80	14.12	<=34.77	Pass
			14	21.96	-5.80	14.01	<=34.77	Pass
		8	0	20.80	-5.80	12.85	<=34.77	Pass
			4	20.93	-5.80	12.98	<=34.77	Pass
			7	20.93	-5.80	12.98	<=34.77	Pass
		15	0	20.86	-5.80	12.91	<=34.77	Pass
256QAM	700.5	1	0	18.05	-5.80	10.10	<=34.77	Pass
			7	18.11	-5.80	10.16	<=34.77	Pass
			14	18.10	-5.80	10.15	<=34.77	Pass
		8	0	18.13	-5.80	10.18	<=34.77	Pass
			4	18.07	-5.80	10.12	<=34.77	Pass
			7	18.03	-5.80	10.08	<=34.77	Pass
		15	0	18.11	-5.80	10.16	<=34.77	Pass
	707.5	1	0	17.86	-5.80	9.91	<=34.77	Pass
			7	18.13	-5.80	10.18	<=34.77	Pass
			14	17.93	-5.80	9.98	<=34.77	Pass
		8	0	18.01	-5.80	10.06	<=34.77	Pass

			4	17.94	-5.80	9.99	<=34.77	Pass
			7	17.97	-5.80	10.02	<=34.77	Pass
		15	0	17.93	-5.80	9.98	<=34.77	Pass
	714.5	1	0	17.30	-5.80	9.35	<=34.77	Pass
			7	17.98	-5.80	10.03	<=34.77	Pass
			14	17.87	-5.80	9.92	<=34.77	Pass
		8	0	17.97	-5.80	10.02	<=34.77	Pass
			4	17.99	-5.80	10.04	<=34.77	Pass
			7	17.87	-5.80	9.92	<=34.77	Pass
		15	0	17.89	-5.80	9.94	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP (ANT31)

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	23.11	-5.80	15.16	<=34.77	Pass
			13	23.04	-5.80	15.09	<=34.77	Pass
			24	22.93	-5.80	14.98	<=34.77	Pass
		12	0	22.22	-5.80	14.27	<=34.77	Pass
			6	22.10	-5.80	14.15	<=34.77	Pass
			13	22.03	-5.80	14.08	<=34.77	Pass
		25	0	22.19	-5.80	14.24	<=34.77	Pass
	707.5	1	0	22.96	-5.80	15.01	<=34.77	Pass
			13	23.01	-5.80	15.06	<=34.77	Pass
			24	22.75	-5.80	14.80	<=34.77	Pass
		12	0	21.99	-5.80	14.04	<=34.77	Pass
			6	21.96	-5.80	14.01	<=34.77	Pass
			13	21.89	-5.80	13.94	<=34.77	Pass
		25	0	21.98	-5.80	14.03	<=34.77	Pass
	713.5	1	0	22.92	-5.80	14.97	<=34.77	Pass
			13	22.70	-5.80	14.75	<=34.77	Pass
			24	22.52	-5.80	14.57	<=34.77	Pass
		12	0	21.89	-5.80	13.94	<=34.77	Pass
			6	21.85	-5.80	13.90	<=34.77	Pass
			13	21.82	-5.80	13.87	<=34.77	Pass
		25	0	21.84	-5.80	13.89	<=34.77	Pass
16QAM	701.5	1	0	22.46	-5.80	14.51	<=34.77	Pass
			13	22.69	-5.80	14.74	<=34.77	Pass
			24	22.48	-5.80	14.53	<=34.77	Pass
		12	0	21.09	-5.80	13.14	<=34.77	Pass
			6	21.18	-5.80	13.23	<=34.77	Pass
			13	21.05	-5.80	13.10	<=34.77	Pass
		25	0	21.08	-5.80	13.13	<=34.77	Pass
	707.5	1	0	22.32	-5.80	14.37	<=34.77	Pass
			13	22.44	-5.80	14.49	<=34.77	Pass
			24	22.25	-5.80	14.30	<=34.77	Pass
		12	0	20.99	-5.80	13.04	<=34.77	Pass
			6	20.99	-5.80	13.04	<=34.77	Pass
			13	20.96	-5.80	13.01	<=34.77	Pass
		25	0	20.91	-5.80	12.96	<=34.77	Pass
	713.5	1	0	21.93	-5.80	13.98	<=34.77	Pass
			13	22.26	-5.80	14.31	<=34.77	Pass
			24	22.06	-5.80	14.11	<=34.77	Pass
		12	0	20.88	-5.80	12.93	<=34.77	Pass
			6	20.86	-5.80	12.91	<=34.77	Pass

			13	20.80	-5.80	12.85	<=34.77	Pass
		25	0	20.88	-5.80	12.93	<=34.77	Pass
64QAM	701.5	1	0	22.07	-5.80	14.12	<=34.77	Pass
			13	22.14	-5.80	14.19	<=34.77	Pass
			24	22.12	-5.80	14.17	<=34.77	Pass
		12	0	21.11	-5.80	13.16	<=34.77	Pass
			6	21.04	-5.80	13.09	<=34.77	Pass
			13	20.95	-5.80	13.00	<=34.77	Pass
		25	0	21.14	-5.80	13.19	<=34.77	Pass
	707.5	1	0	21.98	-5.80	14.03	<=34.77	Pass
			13	22.01	-5.80	14.06	<=34.77	Pass
			24	21.80	-5.80	13.85	<=34.77	Pass
		12	0	21.01	-5.80	13.06	<=34.77	Pass
			6	20.91	-5.80	12.96	<=34.77	Pass
			13	20.87	-5.80	12.92	<=34.77	Pass
		25	0	20.94	-5.80	12.99	<=34.77	Pass
	713.5	1	0	21.95	-5.80	14.00	<=34.77	Pass
			13	21.83	-5.80	13.88	<=34.77	Pass
			24	21.69	-5.80	13.74	<=34.77	Pass
		12	0	20.67	-5.80	12.72	<=34.77	Pass
			6	20.82	-5.80	12.87	<=34.77	Pass
			13	20.78	-5.80	12.83	<=34.77	Pass
		25	0	20.89	-5.80	12.94	<=34.77	Pass
256QAM	701.5	1	0	18.12	-5.80	10.17	<=34.77	Pass
			13	18.14	-5.80	10.19	<=34.77	Pass
			24	18.25	-5.80	10.30	<=34.77	Pass
		12	0	18.11	-5.80	10.16	<=34.77	Pass
			6	18.14	-5.80	10.19	<=34.77	Pass
			13	18.07	-5.80	10.12	<=34.77	Pass
		25	0	18.09	-5.80	10.14	<=34.77	Pass
	707.5	1	0	17.98	-5.80	10.03	<=34.77	Pass
			13	18.24	-5.80	10.29	<=34.77	Pass
			24	18.04	-5.80	10.09	<=34.77	Pass
		12	0	18.01	-5.80	10.06	<=34.77	Pass
			6	18.02	-5.80	10.07	<=34.77	Pass
			13	18.02	-5.80	10.07	<=34.77	Pass
		25	0	17.91	-5.80	9.96	<=34.77	Pass
	713.5	1	0	17.44	-5.80	9.49	<=34.77	Pass
			13	17.91	-5.80	9.96	<=34.77	Pass
			24	17.75	-5.80	9.80	<=34.77	Pass
		12	0	18.06	-5.80	10.11	<=34.77	Pass
			6	17.91	-5.80	9.96	<=34.77	Pass
			13	17.79	-5.80	9.84	<=34.77	Pass
		25	0	17.88	-5.80	9.93	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP (ANT31)

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.82	-5.80	14.87	<=34.77	Pass
			25	23.04	-5.80	15.09	<=34.77	Pass
			49	22.89	-5.80	14.94	<=34.77	Pass
		25	0	22.03	-5.80	14.08	<=34.77	Pass
			13	22.10	-5.80	14.15	<=34.77	Pass
			25	22.07	-5.80	14.12	<=34.77	Pass

		50	0	22.14	-5.80	14.19	<=34.77	Pass
	707.5	1	0	22.99	-5.80	15.04	<=34.77	Pass
			25	22.90	-5.80	14.95	<=34.77	Pass
			49	22.80	-5.80	14.85	<=34.77	Pass
		25	0	22.01	-5.80	14.06	<=34.77	Pass
			13	21.93	-5.80	13.98	<=34.77	Pass
			25	22.00	-5.80	14.05	<=34.77	Pass
		50	0	21.91	-5.80	13.96	<=34.77	Pass
	711	1	0	23.00	-5.80	15.05	<=34.77	Pass
			25	22.88	-5.80	14.93	<=34.77	Pass
			49	22.62	-5.80	14.67	<=34.77	Pass
		25	0	21.96	-5.80	14.01	<=34.77	Pass
			13	22.06	-5.80	14.11	<=34.77	Pass
			25	21.86	-5.80	13.91	<=34.77	Pass
		50	0	21.89	-5.80	13.94	<=34.77	Pass
16QAM	704	1	0	22.25	-5.80	14.30	<=34.77	Pass
			25	22.39	-5.80	14.44	<=34.77	Pass
			49	21.98	-5.80	14.03	<=34.77	Pass
		25	0	21.07	-5.80	13.12	<=34.77	Pass
			13	21.09	-5.80	13.14	<=34.77	Pass
			25	21.00	-5.80	13.05	<=34.77	Pass
		50	0	21.07	-5.80	13.12	<=34.77	Pass
	707.5	1	0	22.11	-5.80	14.16	<=34.77	Pass
			25	22.33	-5.80	14.38	<=34.77	Pass
			49	21.98	-5.80	14.03	<=34.77	Pass
		25	0	21.01	-5.80	13.06	<=34.77	Pass
			13	20.97	-5.80	13.02	<=34.77	Pass
			25	20.93	-5.80	12.98	<=34.77	Pass
		50	0	20.99	-5.80	13.04	<=34.77	Pass
	711	1	0	22.28	-5.80	14.33	<=34.77	Pass
			25	21.85	-5.80	13.90	<=34.77	Pass
			49	21.89	-5.80	13.94	<=34.77	Pass
		25	0	20.91	-5.80	12.96	<=34.77	Pass
			13	20.88	-5.80	12.93	<=34.77	Pass
			25	20.82	-5.80	12.87	<=34.77	Pass
		50	0	20.77	-5.80	12.82	<=34.77	Pass
64QAM	704	1	0	22.11	-5.80	14.16	<=34.77	Pass
			25	22.21	-5.80	14.26	<=34.77	Pass
			49	21.98	-5.80	14.03	<=34.77	Pass
		25	0	21.06	-5.80	13.11	<=34.77	Pass
			13	21.09	-5.80	13.14	<=34.77	Pass
			25	20.98	-5.80	13.03	<=34.77	Pass
		50	0	20.97	-5.80	13.02	<=34.77	Pass
	707.5	1	0	22.15	-5.80	14.20	<=34.77	Pass
			25	22.16	-5.80	14.21	<=34.77	Pass
			49	21.79	-5.80	13.84	<=34.77	Pass
		25	0	20.94	-5.80	12.99	<=34.77	Pass
			13	20.97	-5.80	13.02	<=34.77	Pass
			25	20.92	-5.80	12.97	<=34.77	Pass
		50	0	20.91	-5.80	12.96	<=34.77	Pass
	711	1	0	22.25	-5.80	14.30	<=34.77	Pass
			25	22.14	-5.80	14.19	<=34.77	Pass
			49	21.79	-5.80	13.84	<=34.77	Pass
		25	0	20.89	-5.80	12.94	<=34.77	Pass
			13	20.89	-5.80	12.94	<=34.77	Pass
			25	20.85	-5.80	12.90	<=34.77	Pass
		50	0	20.85	-5.80	12.90	<=34.77	Pass
256QAM	704	1	0	18.28	-5.80	10.33	<=34.77	Pass
			25	18.08	-5.80	10.13	<=34.77	Pass

			49	18.45	-5.80	10.50	<=34.77	Pass
		25	0	18.08	-5.80	10.13	<=34.77	Pass
			13	18.11	-5.80	10.16	<=34.77	Pass
			25	18.01	-5.80	10.06	<=34.77	Pass
		50	0	18.14	-5.80	10.19	<=34.77	Pass
	707.5	1	0	18.15	-5.80	10.20	<=34.77	Pass
			25	18.22	-5.80	10.27	<=34.77	Pass
			49	18.04	-5.80	10.09	<=34.77	Pass
		25	0	18.00	-5.80	10.05	<=34.77	Pass
			13	17.95	-5.80	10.00	<=34.77	Pass
			25	17.89	-5.80	9.94	<=34.77	Pass
		50	0	17.93	-5.80	9.98	<=34.77	Pass
	711	1	0	18.14	-5.80	10.19	<=34.77	Pass
			25	18.10	-5.80	10.15	<=34.77	Pass
			49	17.27	-5.80	9.32	<=34.77	Pass
		25	0	18.16	-5.80	10.21	<=34.77	Pass
			13	17.92	-5.80	9.97	<=34.77	Pass
			25	17.83	-5.80	9.88	<=34.77	Pass
		50	0	17.87	-5.80	9.92	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.7	0.400	0.0006	/	Pass
					3.91	1.600	0.0023	/	Pass
					4.4	2.300	0.0033	/	Pass
				-30	3.91	-1.600	-0.0023	/	Pass
				-20	3.91	2.100	0.0030	/	Pass
				-10	3.91	0.200	0.0003	/	Pass
				0	3.91	-0.200	-0.0003	/	Pass
				10	3.91	1.700	0.0024	/	Pass
				30	3.91	1.500	0.0021	/	Pass
				40	3.91	0.100	0.0001	/	Pass
				50	3.91	1.600	0.0023	/	Pass
	707.5	50	0	20	3.7	-2.000	-0.0028	/	Pass
					3.91	2.000	0.0028	/	Pass
					4.4	0.900	0.0013	/	Pass
				-30	3.91	-0.100	-0.0001	/	Pass
				-20	3.91	-1.000	-0.0014	/	Pass
				-10	3.91	-0.800	-0.0011	/	Pass
				0	3.91	0.400	0.0006	/	Pass
				10	3.91	-0.400	-0.0006	/	Pass
				30	3.91	0.800	0.0011	/	Pass
				40	3.91	0.800	0.0011	/	Pass
				50	3.91	-2.700	-0.0038	/	Pass
	711	50	0	20	3.7	0.000	0.0000	/	Pass
					3.91	-0.200	-0.0003	/	Pass
					4.4	-0.200	-0.0003	/	Pass
				-30	3.91	-1.100	-0.0015	/	Pass

				-20	3.91	0.500	0.0007	/	Pass
				-10	3.91	1.800	0.0025	/	Pass
				0	3.91	-0.700	-0.0010	/	Pass
				10	3.91	1.600	0.0023	/	Pass
				30	3.91	0.800	0.0011	/	Pass
				40	3.91	-1.400	-0.0020	/	Pass
				50	3.91	-0.600	-0.0008	/	Pass
16QAM	704	50	0	20	3.7	-0.200	-0.0003	/	Pass
					3.91	0.900	0.0013	/	Pass
					4.4	1.600	0.0023	/	Pass
				-30	3.91	1.900	0.0027	/	Pass
				-20	3.91	-0.200	-0.0003	/	Pass
				-10	3.91	1.300	0.0018	/	Pass
				0	3.91	0.100	0.0001	/	Pass
				10	3.91	0.900	0.0013	/	Pass
				30	3.91	-1.900	-0.0027	/	Pass
				40	3.91	1.900	0.0027	/	Pass
				50	3.91	1.000	0.0014	/	Pass
	707.5	50	0	20	3.7	0.200	0.0003	/	Pass
					3.91	-1.800	-0.0025	/	Pass
					4.4	-1.500	-0.0021	/	Pass
				-30	3.91	-1.000	-0.0014	/	Pass
				-20	3.91	1.000	0.0014	/	Pass
				-10	3.91	1.400	0.0020	/	Pass
				0	3.91	0.200	0.0003	/	Pass
				10	3.91	-0.600	-0.0008	/	Pass
				30	3.91	0.600	0.0008	/	Pass
				40	3.91	-1.700	-0.0024	/	Pass
				50	3.91	-0.400	-0.0006	/	Pass
	711	50	0	20	3.7	2.000	0.0028	/	Pass
					3.91	-0.700	-0.0010	/	Pass
					4.4	0.600	0.0008	/	Pass
				-30	3.91	0.600	0.0008	/	Pass
				-20	3.91	-0.400	-0.0006	/	Pass
				-10	3.91	1.400	0.0020	/	Pass
				0	3.91	-0.100	-0.0001	/	Pass
				10	3.91	-0.400	-0.0006	/	Pass
				30	3.91	0.700	0.0010	/	Pass
				40	3.91	0.900	0.0013	/	Pass
				50	3.91	0.100	0.0001	/	Pass
64QAM	704	50	0	20	3.7	-16.100	-0.0229	/	Pass
					3.91	-8.900	-0.0126	/	Pass
					4.4	-24.200	-0.0344	/	Pass
				-30	3.91	-21.700	-0.0308	/	Pass
				-20	3.91	-32.700	-0.0464	/	Pass
				-10	3.91	14.500	0.0206	/	Pass
				0	3.91	4.100	0.0058	/	Pass
				10	3.91	-5.400	-0.0077	/	Pass
				30	3.91	5.000	0.0071	/	Pass
				40	3.91	-1.400	-0.0020	/	Pass
				50	3.91	-0.100	-0.0001	/	Pass
	707.5	50	0	20	3.7	21.500	0.0304	/	Pass
					3.91	3.400	0.0048	/	Pass
					4.4	23.600	0.0334	/	Pass
				-30	3.91	-6.400	-0.0090	/	Pass
				-20	3.91	-13.800	-0.0195	/	Pass
				-10	3.91	22.000	0.0311	/	Pass
				0	3.91	9.000	0.0127	/	Pass
				10	3.91	11.800	0.0167	/	Pass

				30	3.91	15.300	0.0216	/	Pass
				40	3.91	13.600	0.0192	/	Pass
				50	3.91	6.700	0.0095	/	Pass
	711	50	0	20	3.7	6.600	0.0093	/	Pass
					3.91	-21.000	-0.0295	/	Pass
					4.4	-1.800	-0.0025	/	Pass
				-30	3.91	-15.300	-0.0215	/	Pass
				-20	3.91	0.600	0.0008	/	Pass
				-10	3.91	15.200	0.0214	/	Pass
				0	3.91	-4.100	-0.0058	/	Pass
				10	3.91	-28.100	-0.0395	/	Pass
				30	3.91	-20.900	-0.0294	/	Pass
				40	3.91	0.200	0.0003	/	Pass
				50	3.91	-7.400	-0.0104	/	Pass
256QAM	704	50	0	20	3.7	0.200	0.0003	/	Pass
					3.91	0.000	0.0000	/	Pass
					4.4	0.900	0.0013	/	Pass
				-30	3.91	-0.200	-0.0003	/	Pass
				-20	3.91	-0.700	-0.0010	/	Pass
				-10	3.91	0.000	0.0000	/	Pass
				0	3.91	-0.400	-0.0006	/	Pass
				10	3.91	1.300	0.0018	/	Pass
				30	3.91	-0.400	-0.0006	/	Pass
				40	3.91	1.300	0.0018	/	Pass
				50	3.91	-1.600	-0.0023	/	Pass
	707.5	50	0	20	3.7	0.400	0.0006	/	Pass
					3.91	-0.600	-0.0008	/	Pass
					4.4	-1.100	-0.0016	/	Pass
				-30	3.91	-1.600	-0.0023	/	Pass
				-20	3.91	-1.200	-0.0017	/	Pass
				-10	3.91	-0.500	-0.0007	/	Pass
				0	3.91	0.000	0.0000	/	Pass
				10	3.91	0.600	0.0008	/	Pass
				30	3.91	0.400	0.0006	/	Pass
				40	3.91	0.700	0.0010	/	Pass
				50	3.91	0.100	0.0001	/	Pass
	711	50	0	20	3.7	1.400	0.0020	/	Pass
					3.91	-1.200	-0.0017	/	Pass
					4.4	1.100	0.0015	/	Pass
				-30	3.91	0.300	0.0004	/	Pass
				-20	3.91	0.200	0.0003	/	Pass
				-10	3.91	-1.700	-0.0024	/	Pass
				0	3.91	1.100	0.0015	/	Pass
				10	3.91	-0.200	-0.0003	/	Pass
				30	3.91	0.400	0.0006	/	Pass
				40	3.91	-0.400	-0.0006	/	Pass
				50	3.91	-0.800	-0.0011	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

Band: 12 / NTNV					
Bandwidth (MHz)	Modulation	Frequency	RB Allocation	99% Occupied Bandwidth (MHz)	Verdict

		(MHz)	Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.135	/	Pass
		707.5	6	0	1.123	/	Pass
		715.3	6	0	1.122	/	Pass
	16QAM	699.7	6	0	1.146	/	Pass
		707.5	6	0	1.127	/	Pass
		715.3	6	0	1.129	/	Pass
	64QAM	699.7	6	0	1.137	/	Pass
		707.5	6	0	1.123	/	Pass
		715.3	6	0	1.122	/	Pass
	256QAM	699.7	6	0	1.119	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.129	/	Pass
3	QPSK	700.5	15	0	2.753	/	Pass
		707.5	15	0	2.746	/	Pass
		714.5	15	0	2.763	/	Pass
	16QAM	700.5	15	0	2.748	/	Pass
		707.5	15	0	2.742	/	Pass
		714.5	15	0	2.762	/	Pass
	64QAM	700.5	15	0	2.742	/	Pass
		707.5	15	0	2.736	/	Pass
		714.5	15	0	2.753	/	Pass
	256QAM	700.5	15	0	2.746	/	Pass
		707.5	15	0	2.748	/	Pass
		714.5	15	0	2.737	/	Pass
5	QPSK	701.5	25	0	4.572	/	Pass
		707.5	25	0	4.573	/	Pass
		713.5	25	0	4.576	/	Pass
	16QAM	701.5	25	0	4.578	/	Pass
		707.5	25	0	4.542	/	Pass
		713.5	25	0	4.584	/	Pass
	64QAM	701.5	25	0	4.555	/	Pass
		707.5	25	0	4.562	/	Pass
		713.5	25	0	4.572	/	Pass
	256QAM	701.5	25	0	4.569	/	Pass
		707.5	25	0	4.561	/	Pass
		713.5	25	0	4.541	/	Pass
10	QPSK	704	50	0	9.115	/	Pass
		707.5	50	0	9.080	/	Pass
		711	50	0	9.056	/	Pass
	16QAM	704	50	0	9.109	/	Pass
		707.5	50	0	9.097	/	Pass
		711	50	0	9.065	/	Pass
	64QAM	704	50	0	9.096	/	Pass
		707.5	50	0	9.066	/	Pass
		711	50	0	9.060	/	Pass
	256QAM	704	50	0	9.085	/	Pass
		707.5	50	0	9.042	/	Pass
		711	50	0	9.051	/	Pass

3.1.2 Band12_XDB

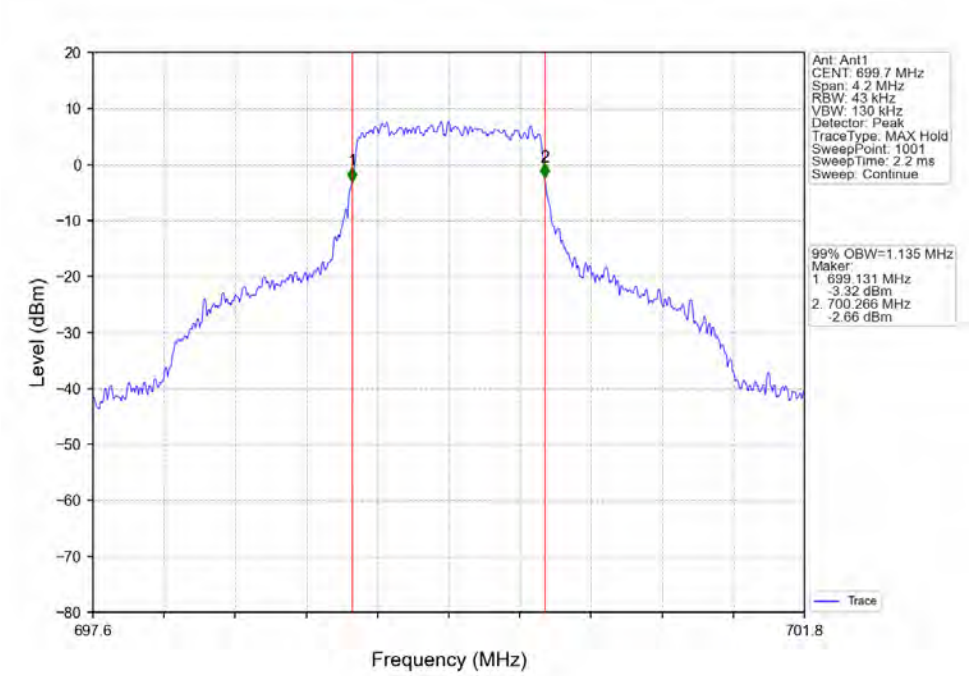
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.683	/	Pass
		707.5	6	0	1.386	/	Pass

		715.3	6	0	1.378	/	Pass
	16QAM	699.7	6	0	1.641	/	Pass
		707.5	6	0	1.398	/	Pass
		715.3	6	0	1.419	/	Pass
	64QAM	699.7	6	0	1.438	/	Pass
		707.5	6	0	1.390	/	Pass
		715.3	6	0	1.360	/	Pass
	256QAM	699.7	6	0	1.385	/	Pass
		707.5	6	0	1.402	/	Pass
		715.3	6	0	1.401	/	Pass
3	QPSK	700.5	15	0	3.117	/	Pass
		707.5	15	0	3.127	/	Pass
		714.5	15	0	3.154	/	Pass
	16QAM	700.5	15	0	3.262	/	Pass
		707.5	15	0	3.124	/	Pass
		714.5	15	0	3.144	/	Pass
	64QAM	700.5	15	0	3.160	/	Pass
		707.5	15	0	3.159	/	Pass
		714.5	15	0	3.158	/	Pass
	256QAM	700.5	15	0	3.120	/	Pass
		707.5	15	0	3.132	/	Pass
		714.5	15	0	3.119	/	Pass
5	QPSK	701.5	25	0	5.285	/	Pass
		707.5	25	0	5.253	/	Pass
		713.5	25	0	5.349	/	Pass
	16QAM	701.5	25	0	5.376	/	Pass
		707.5	25	0	5.247	/	Pass
		713.5	25	0	5.247	/	Pass
	64QAM	701.5	25	0	5.255	/	Pass
		707.5	25	0	5.196	/	Pass
		713.5	25	0	5.280	/	Pass
	256QAM	701.5	25	0	5.261	/	Pass
		707.5	25	0	5.257	/	Pass
		713.5	25	0	5.209	/	Pass
10	QPSK	704	50	0	10.243	/	Pass
		707.5	50	0	10.222	/	Pass
		711	50	0	10.142	/	Pass
	16QAM	704	50	0	10.138	/	Pass
		707.5	50	0	10.169	/	Pass
		711	50	0	10.051	/	Pass
	64QAM	704	50	0	10.210	/	Pass
		707.5	50	0	10.274	/	Pass
		711	50	0	10.181	/	Pass
	256QAM	704	50	0	10.266	/	Pass
		707.5	50	0	10.178	/	Pass
		711	50	0	10.086	/	Pass

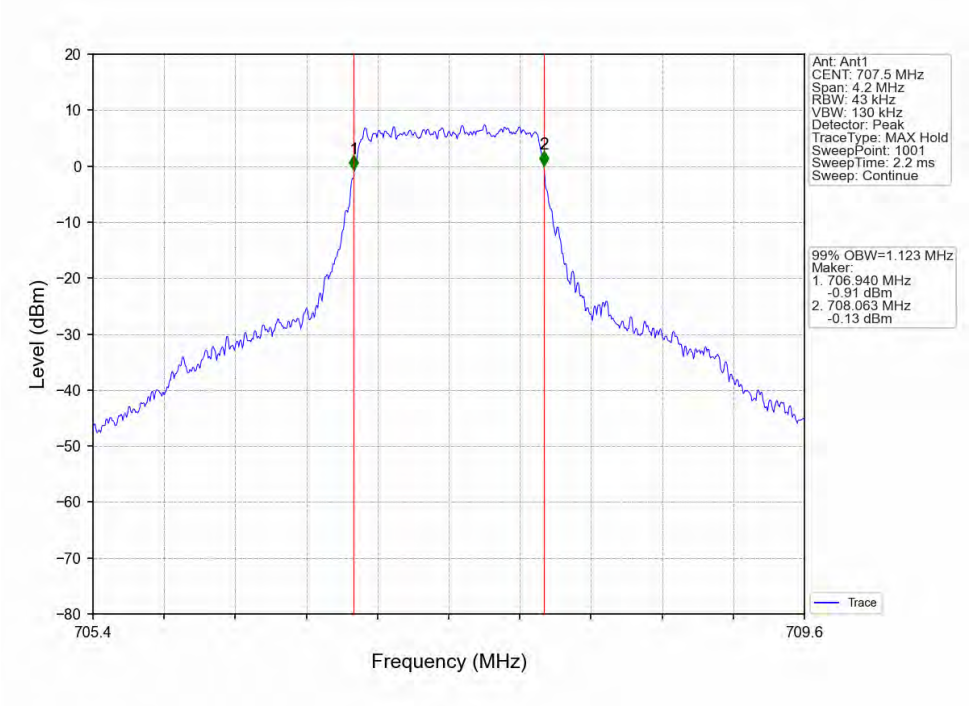
3.2 Test Graph

3.2.1 Band12_OBW

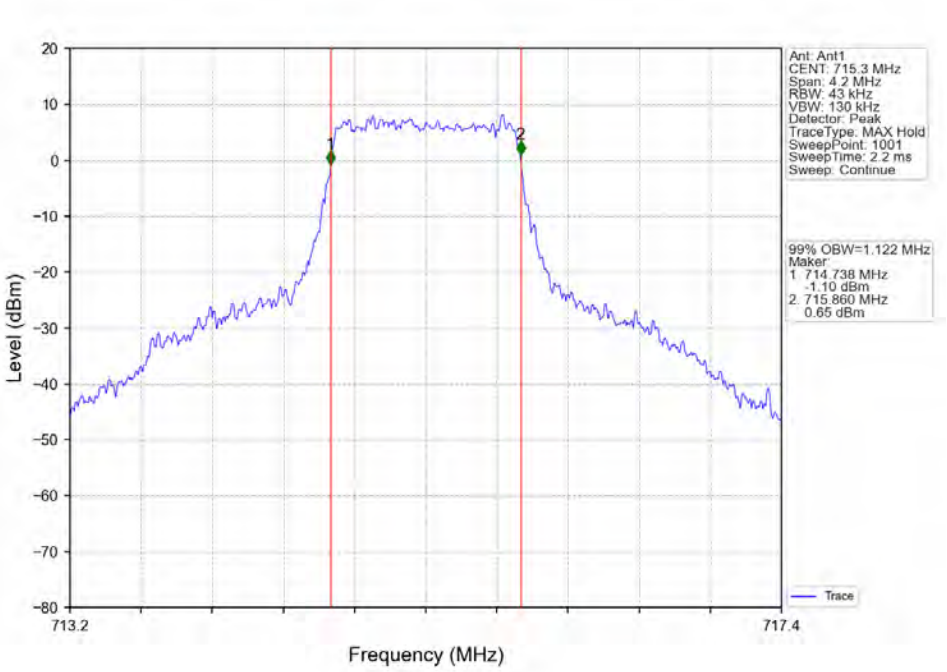
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



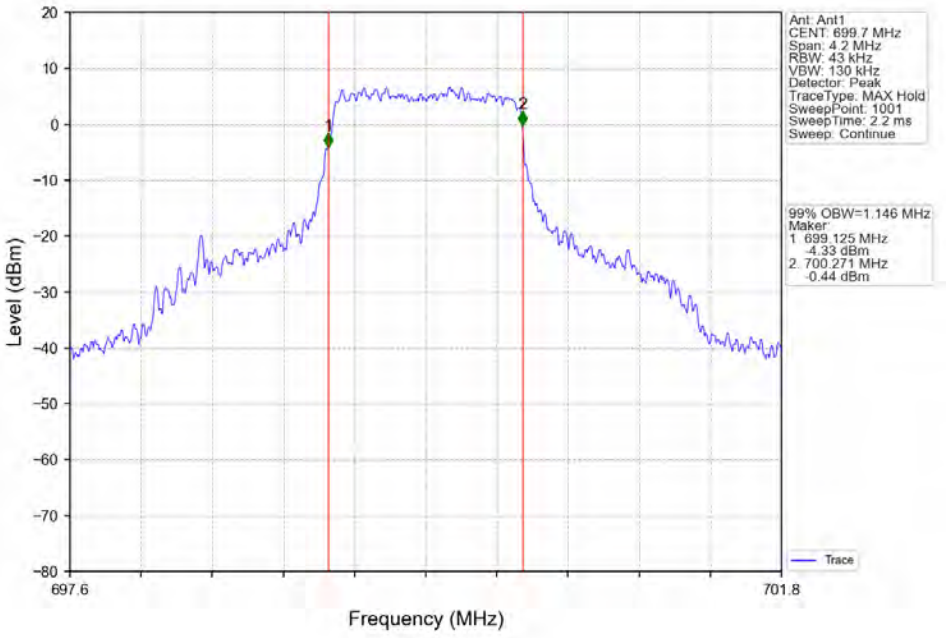
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



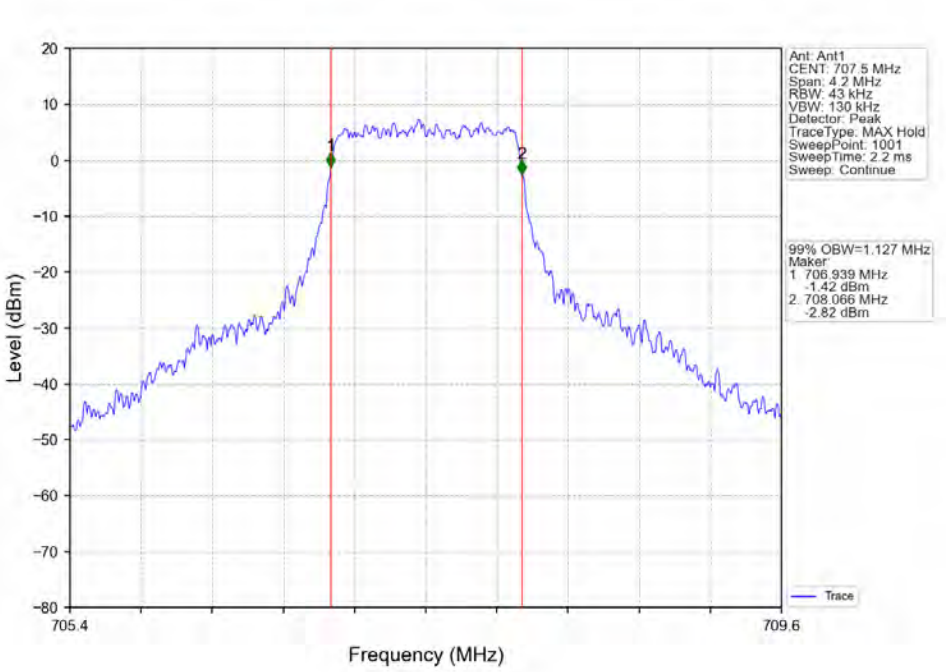
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



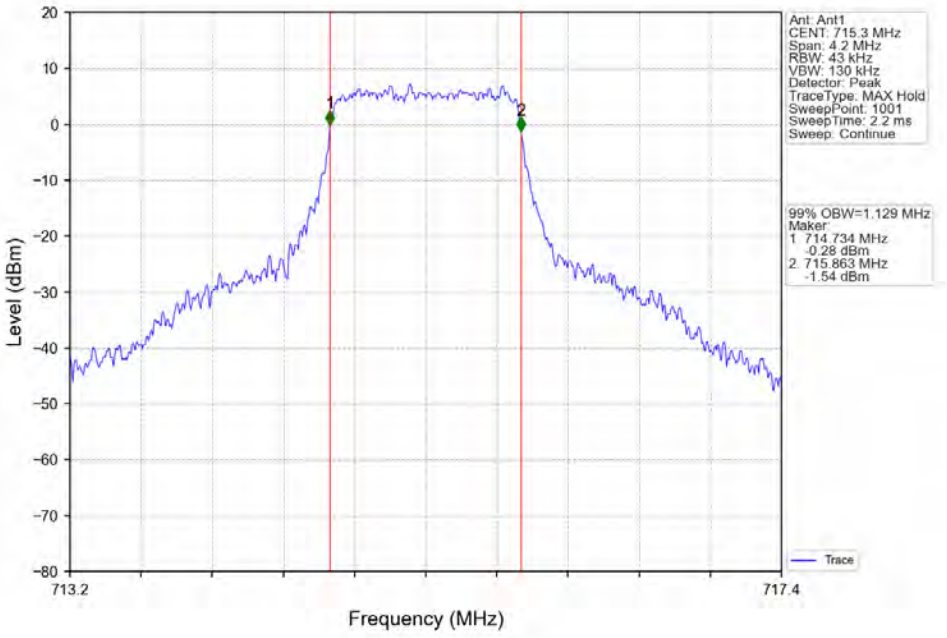
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



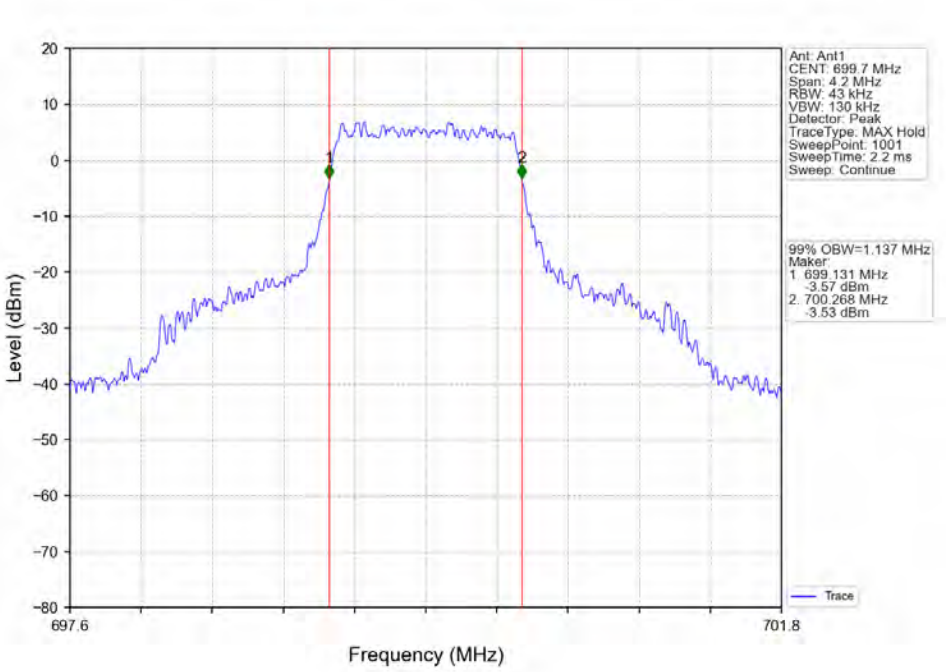
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



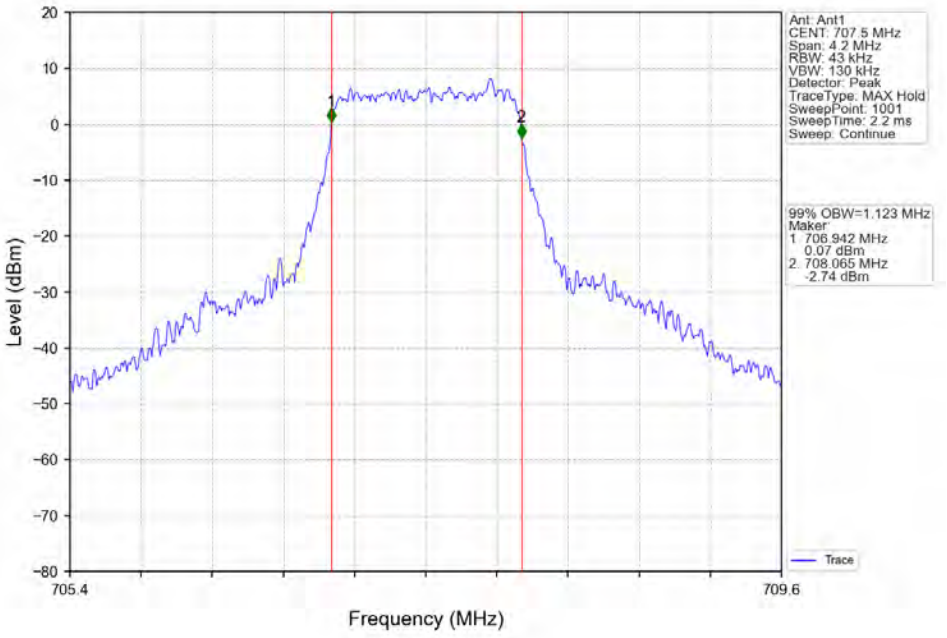
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

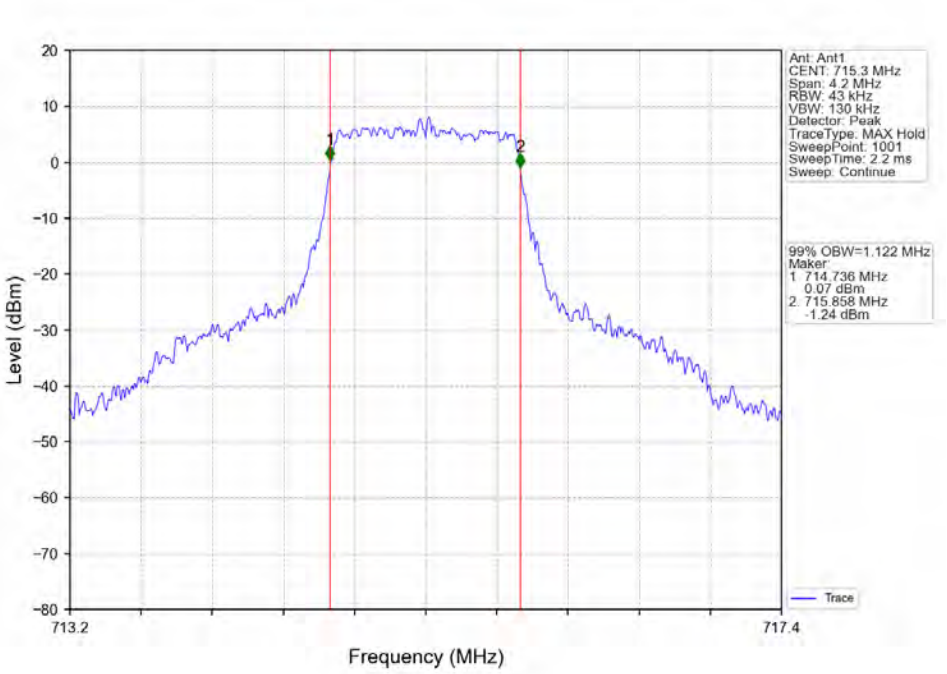


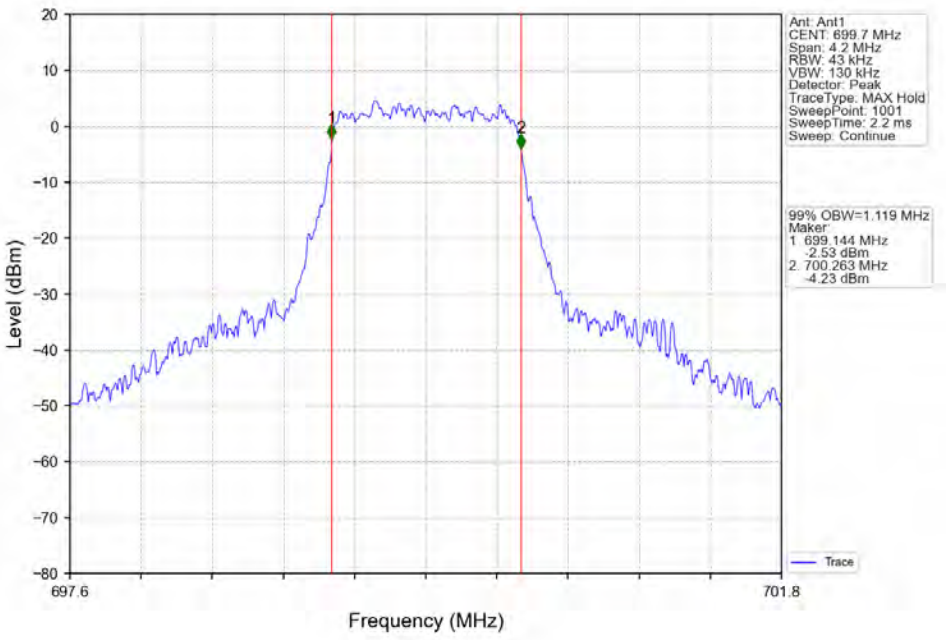
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



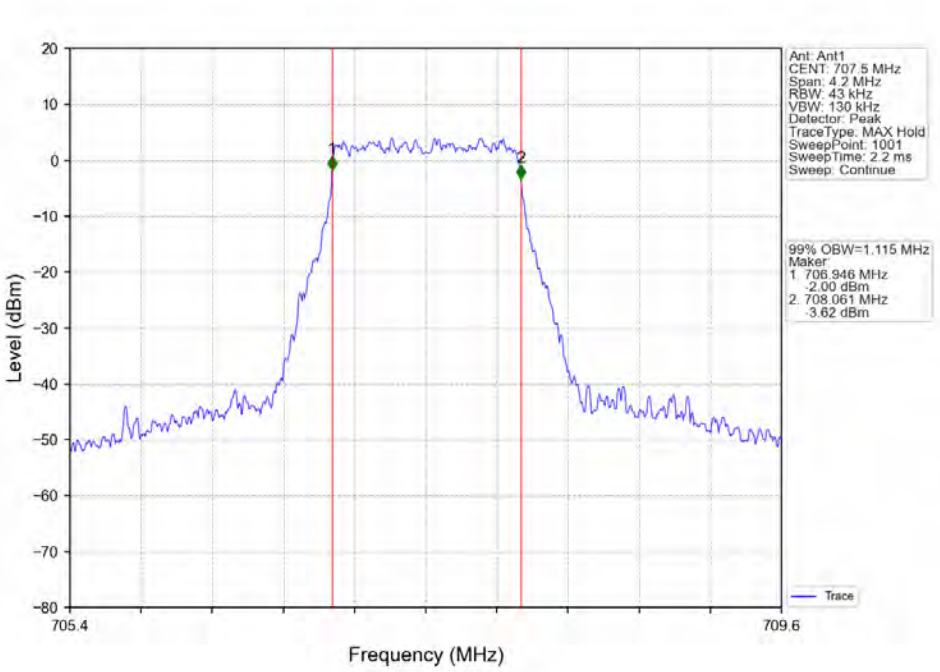
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



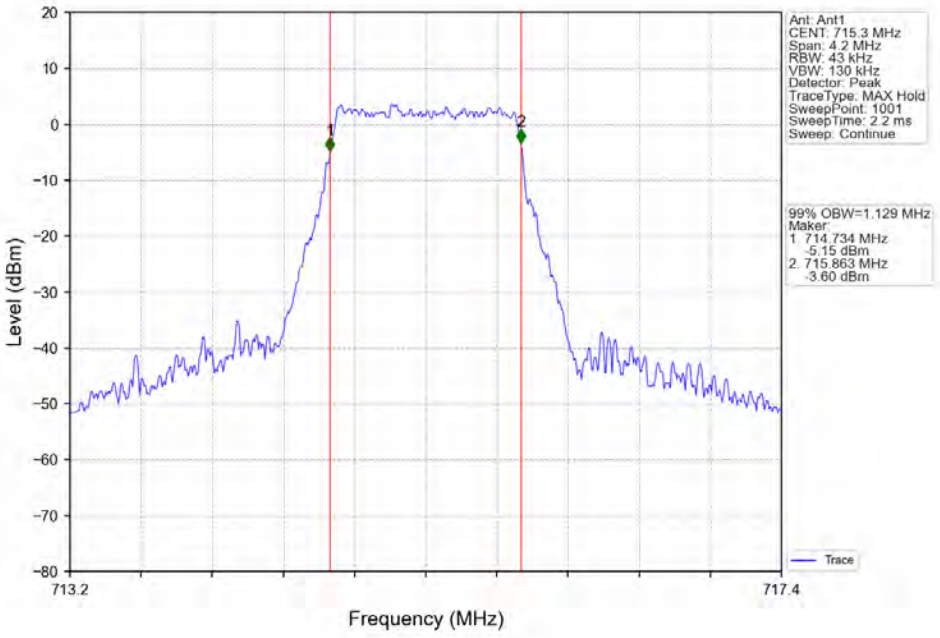
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV


Band12_1.4MHz_256QAM_LCH_699.7MHz_RB_6_0_NTNV


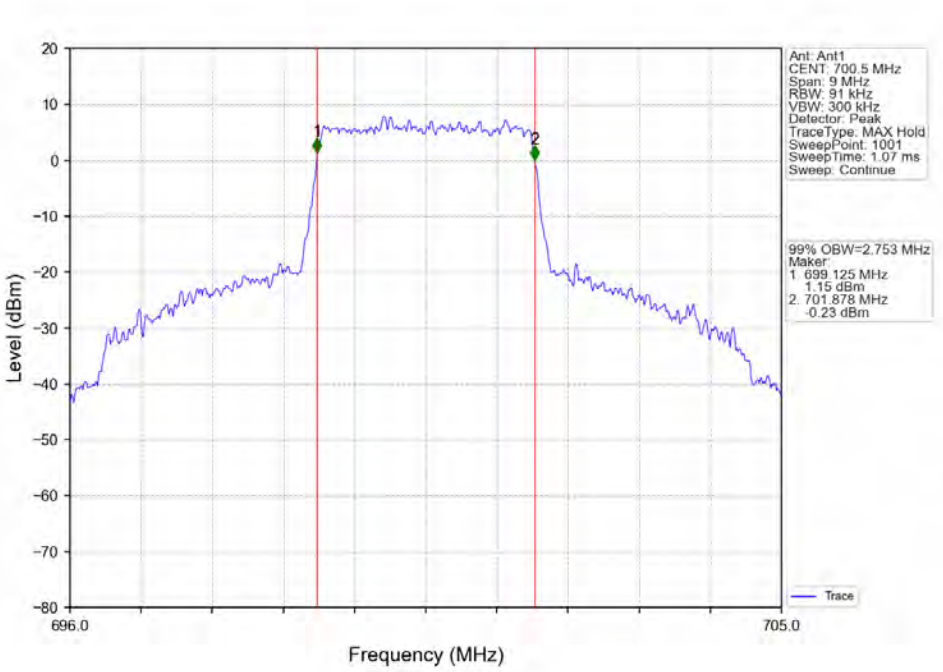
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



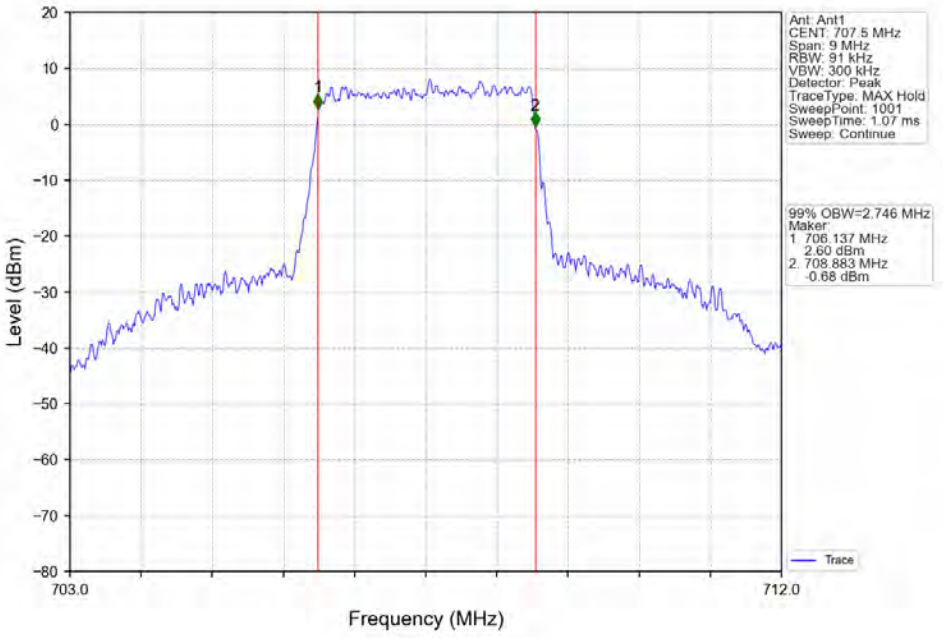
Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV



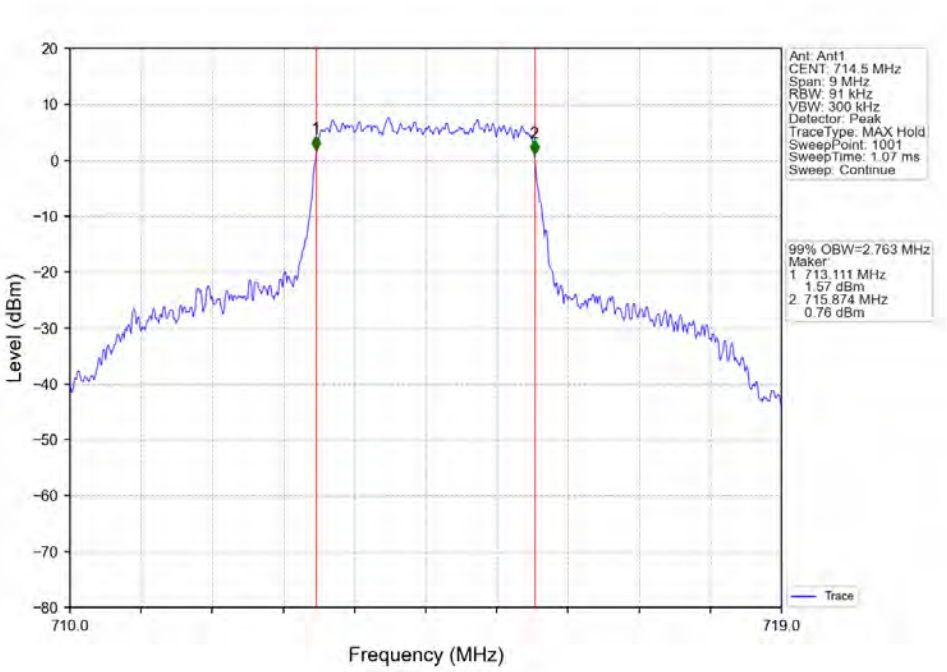
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



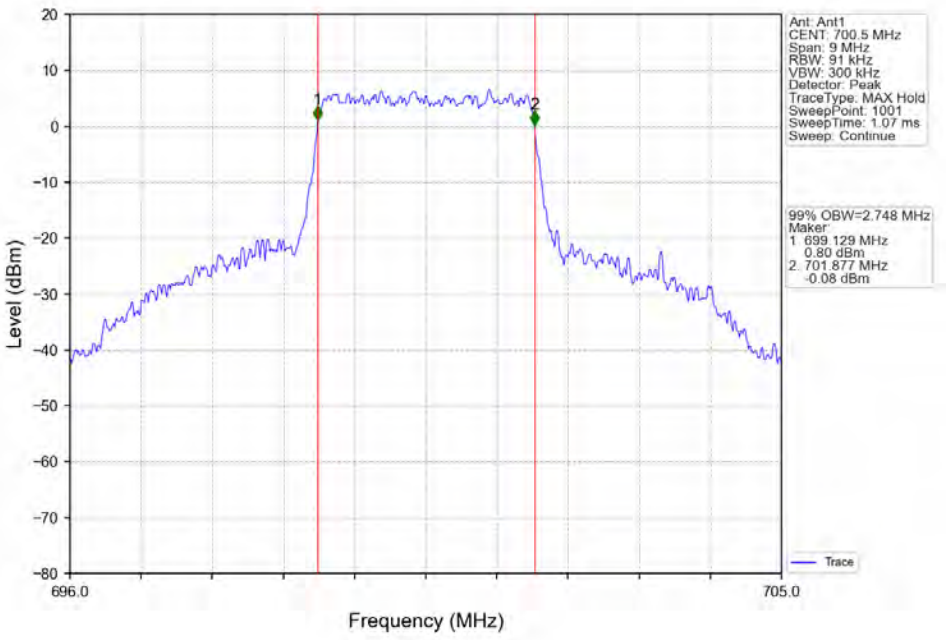
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



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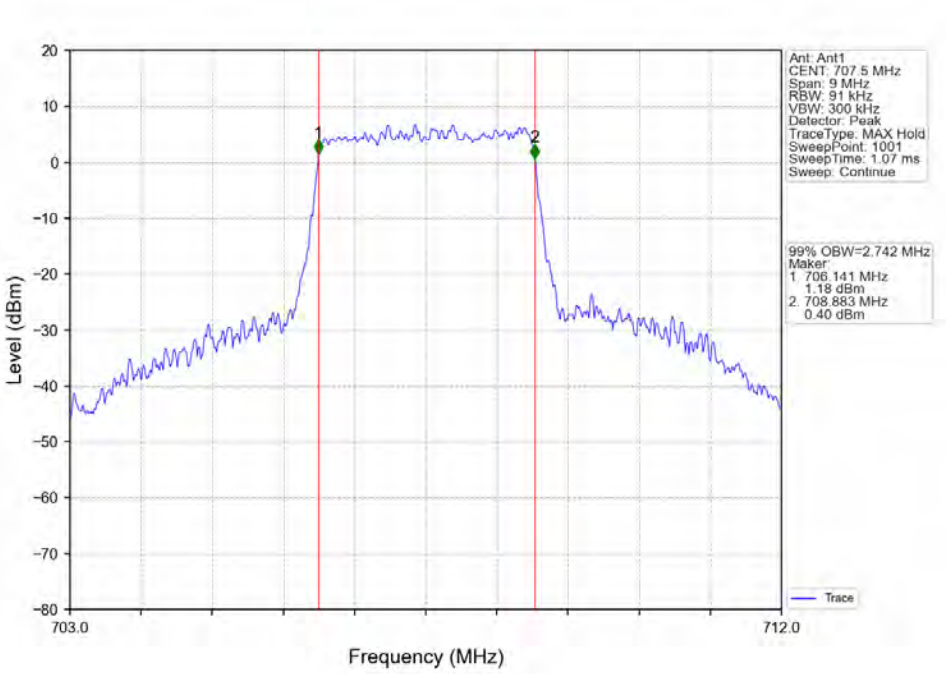

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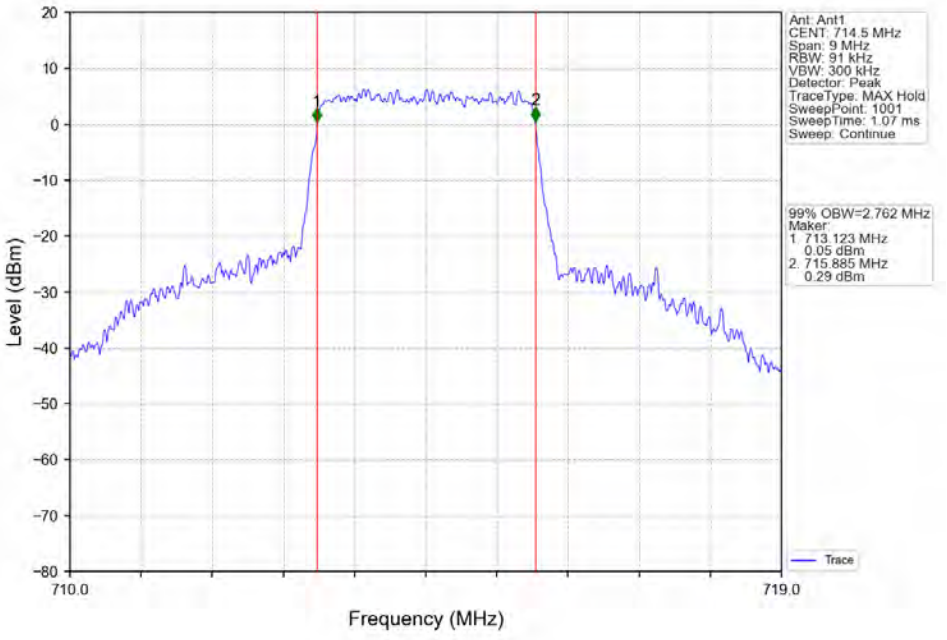

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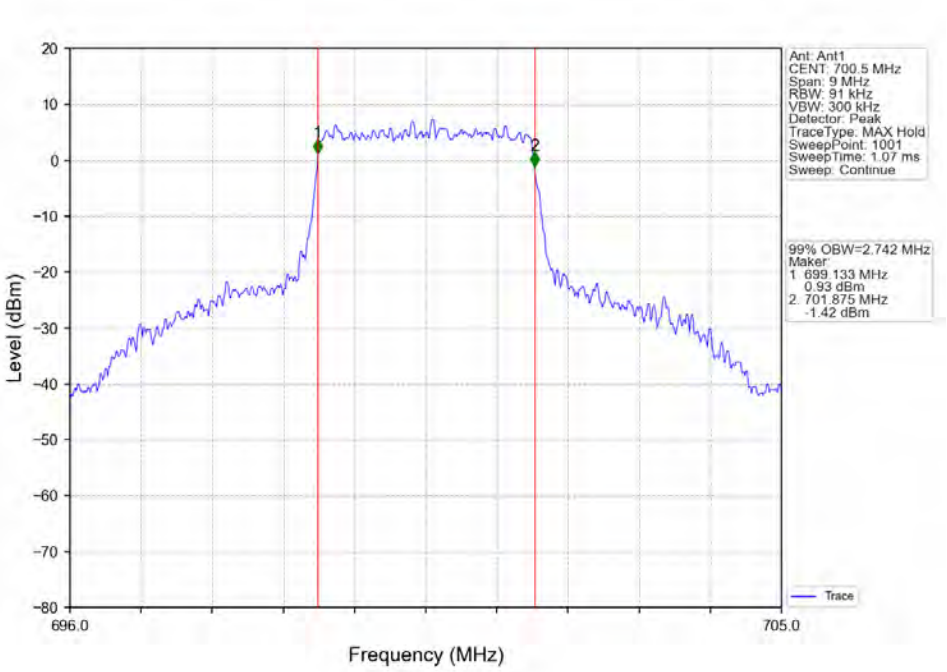
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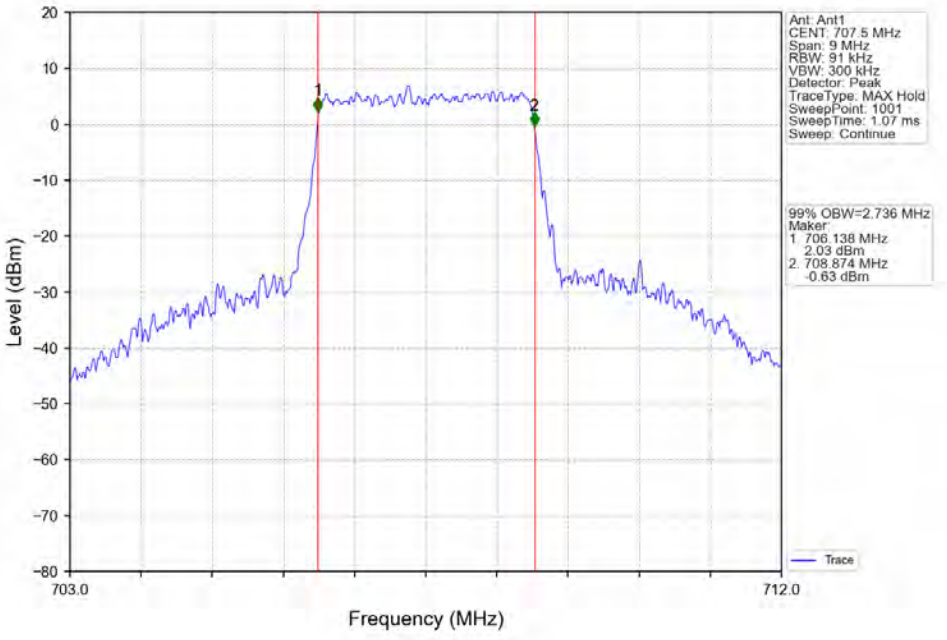

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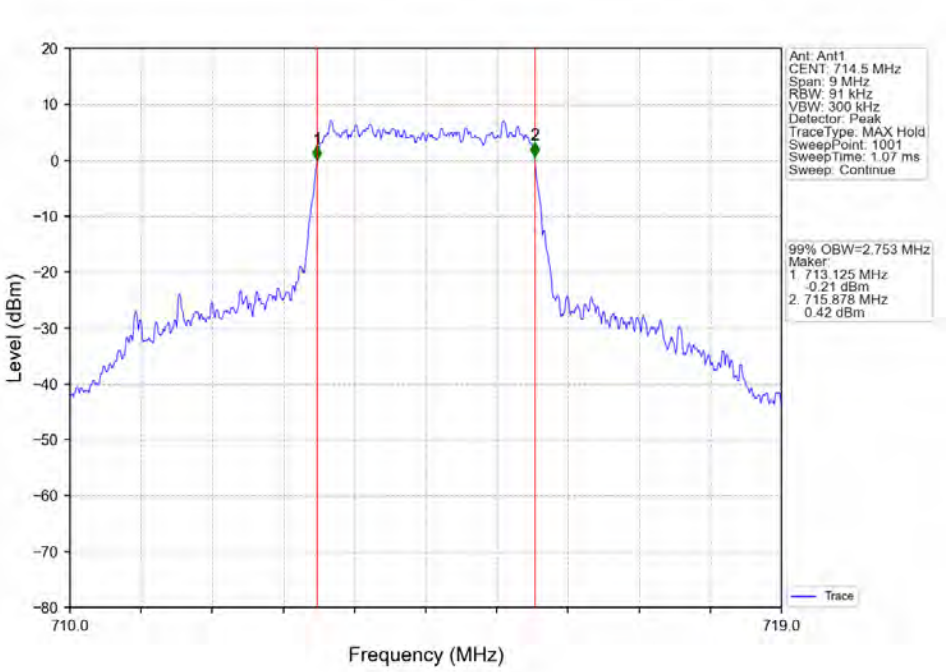
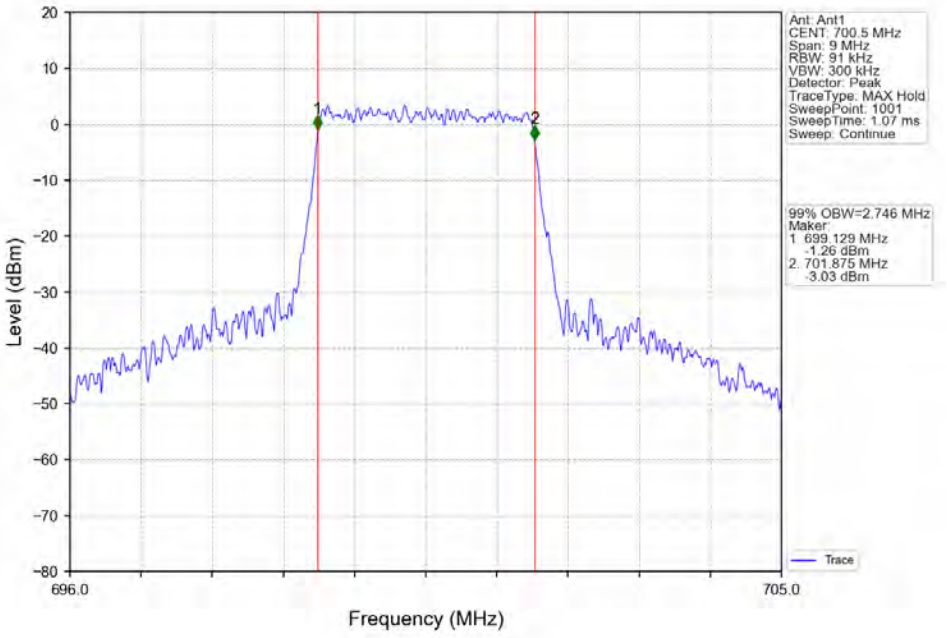
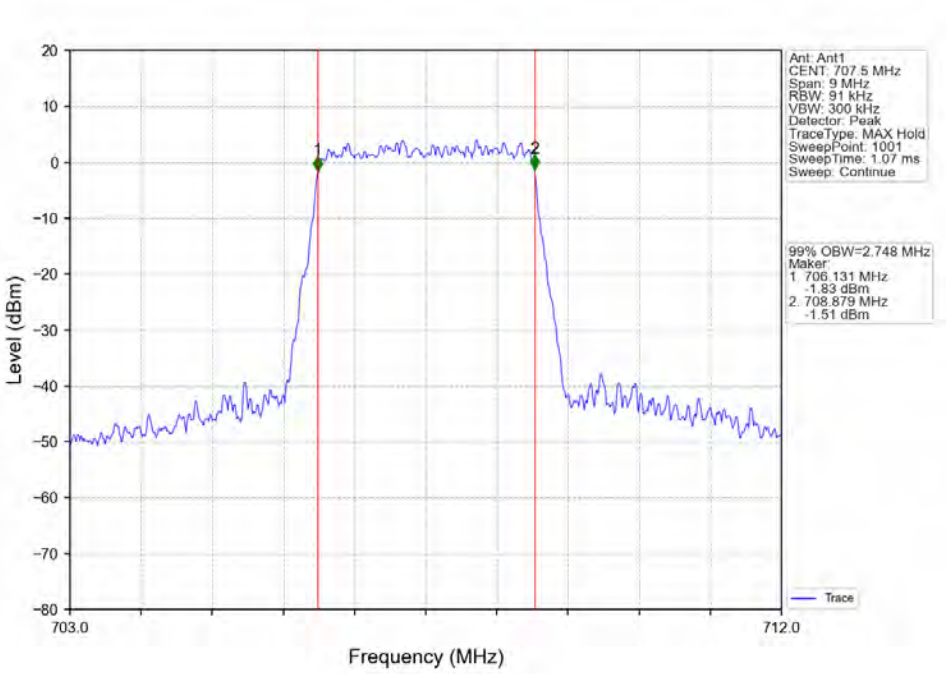


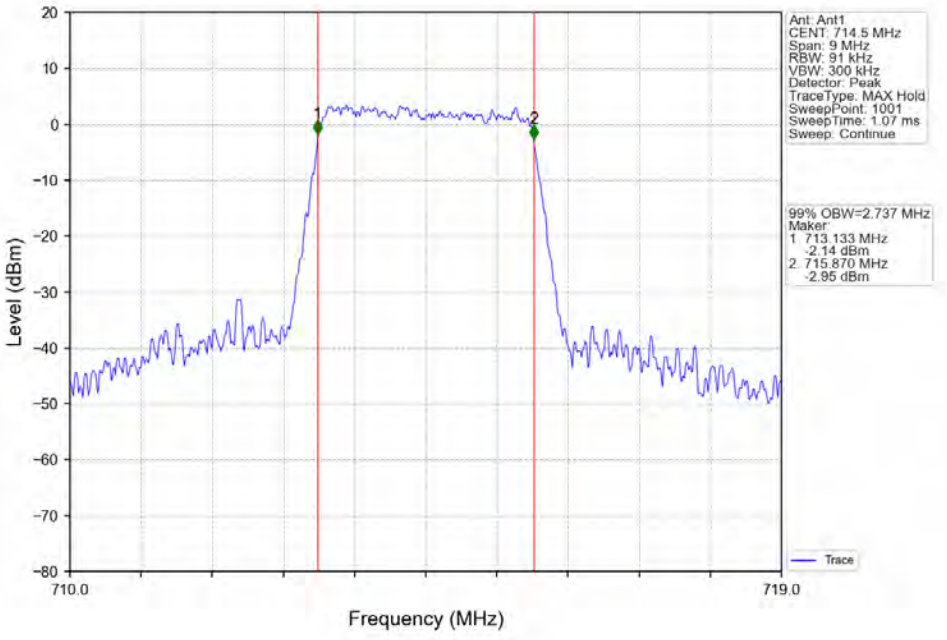
Band12_3MHz_256QAM_LCH_700.5MHz_RB_15_0_NTNV



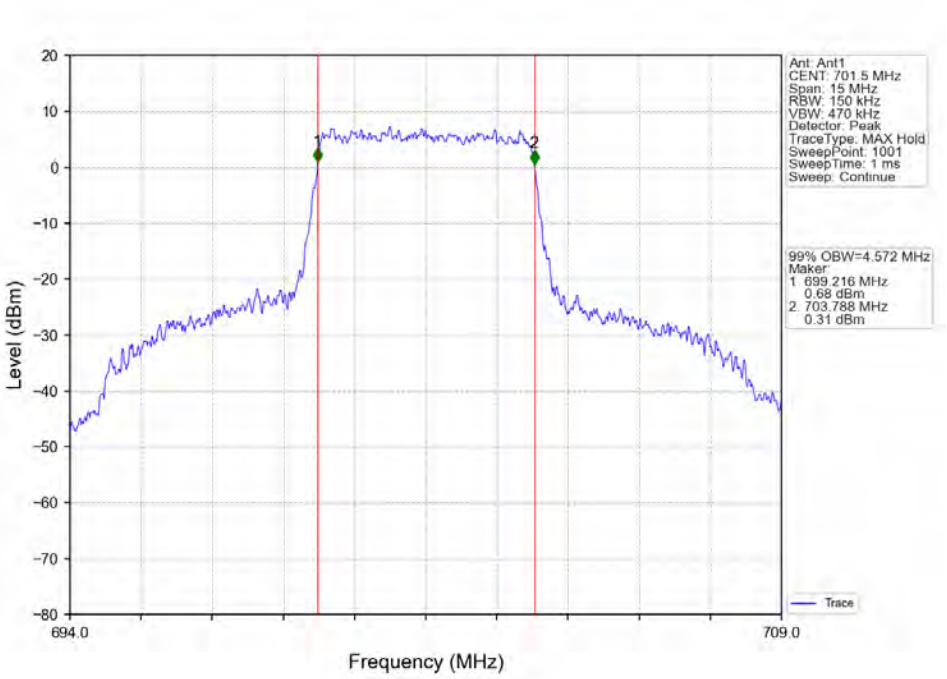
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



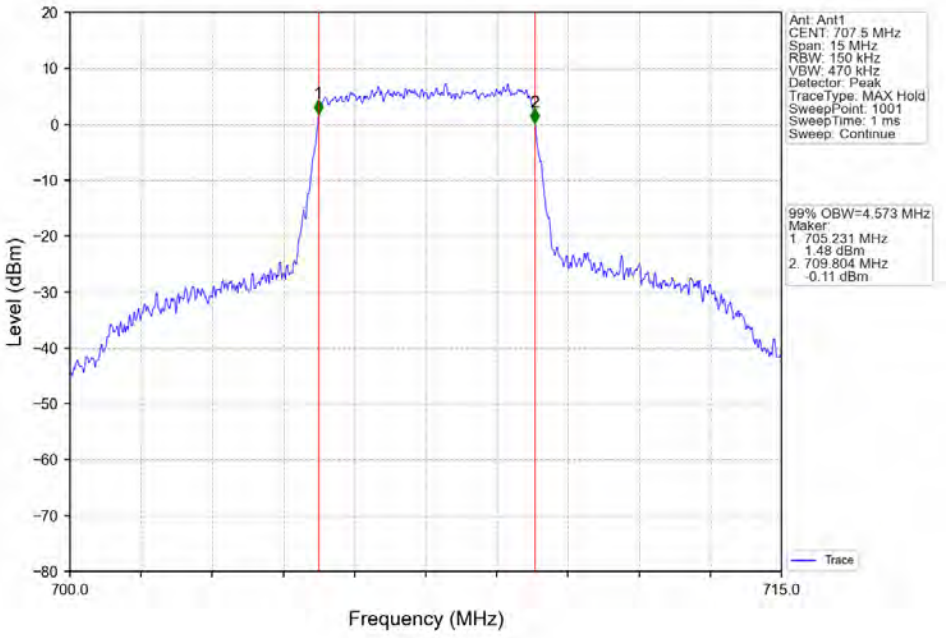
Band12_3MHz_256QAM_HCH_714.5MHz_RB_15_0_NTNV



Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



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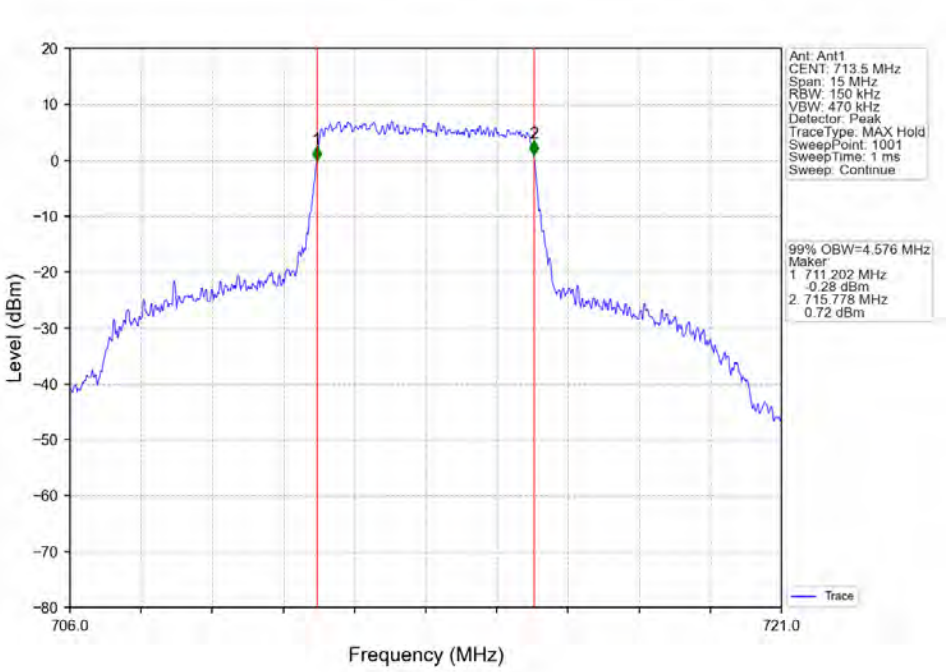
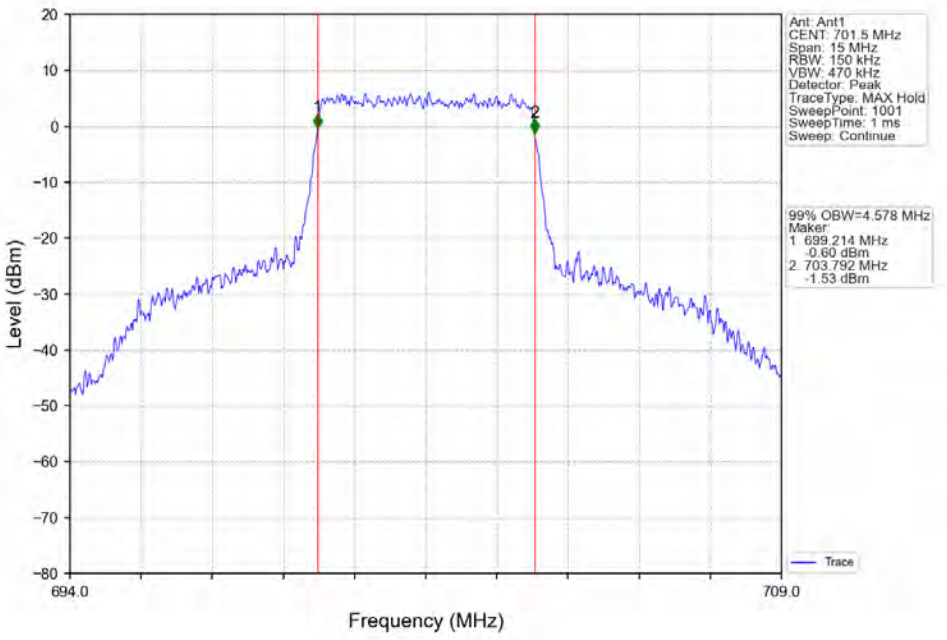
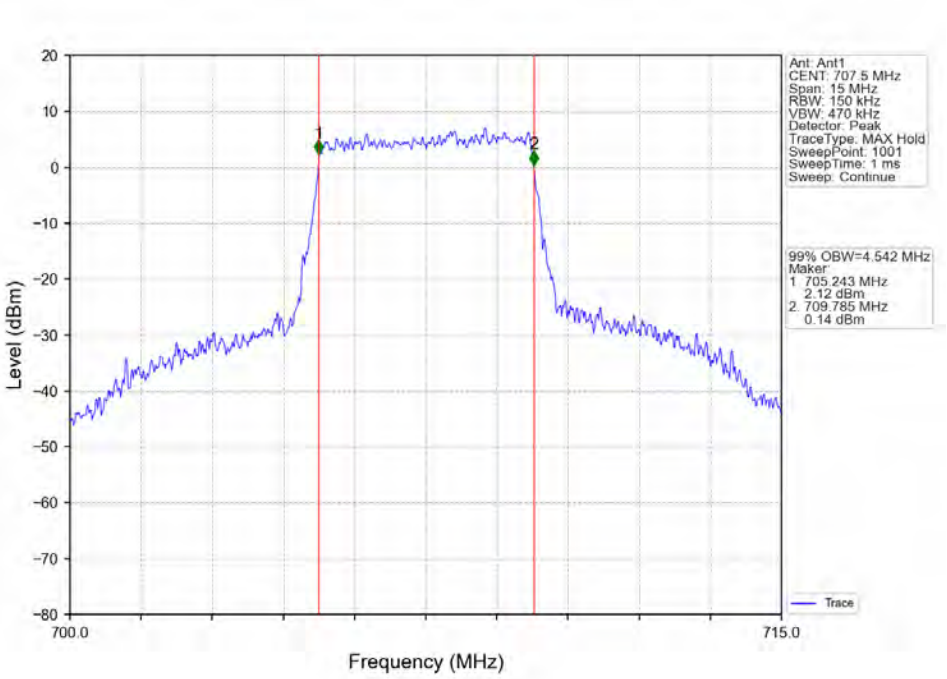


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

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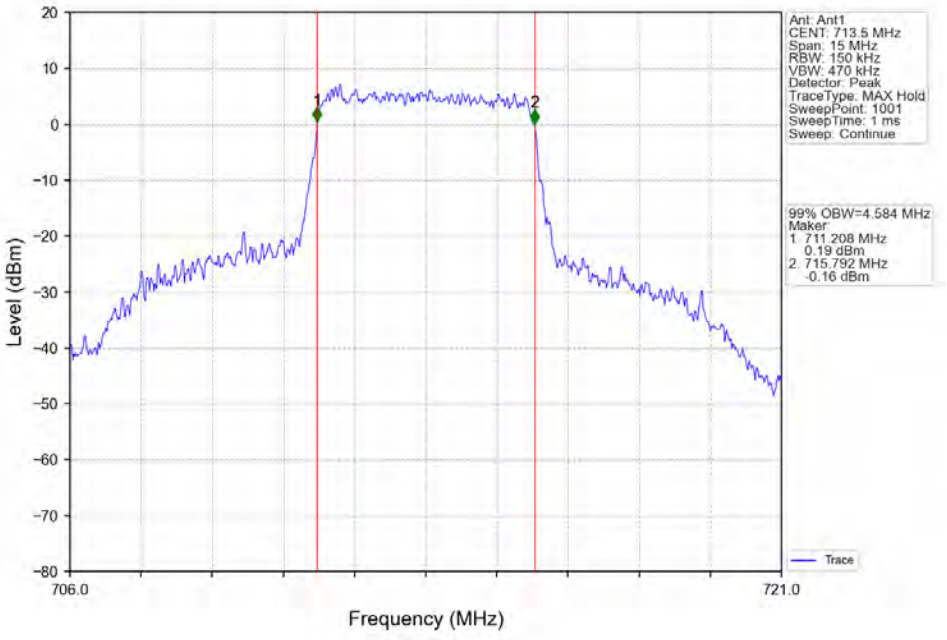
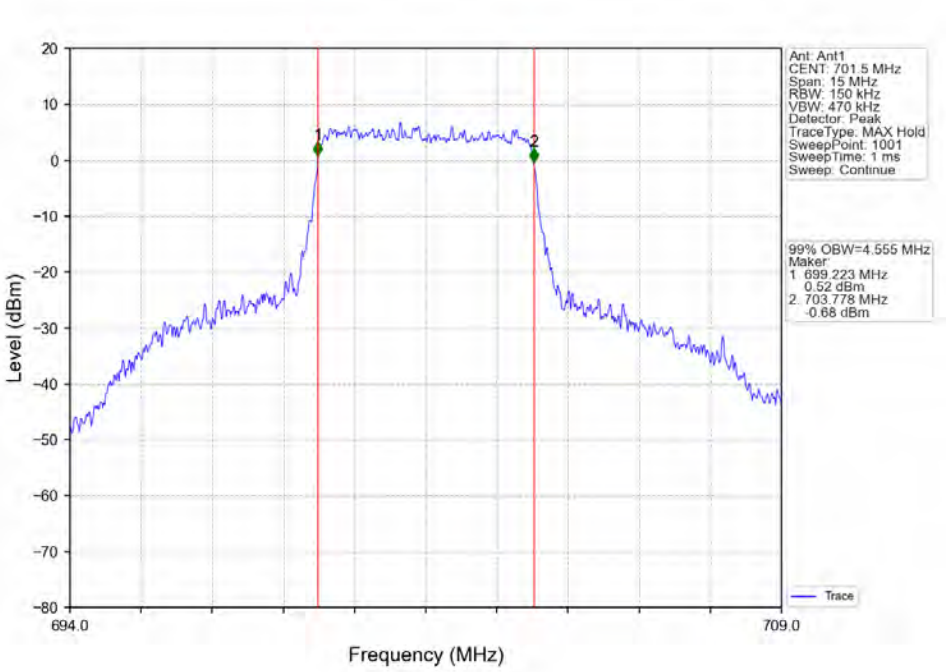
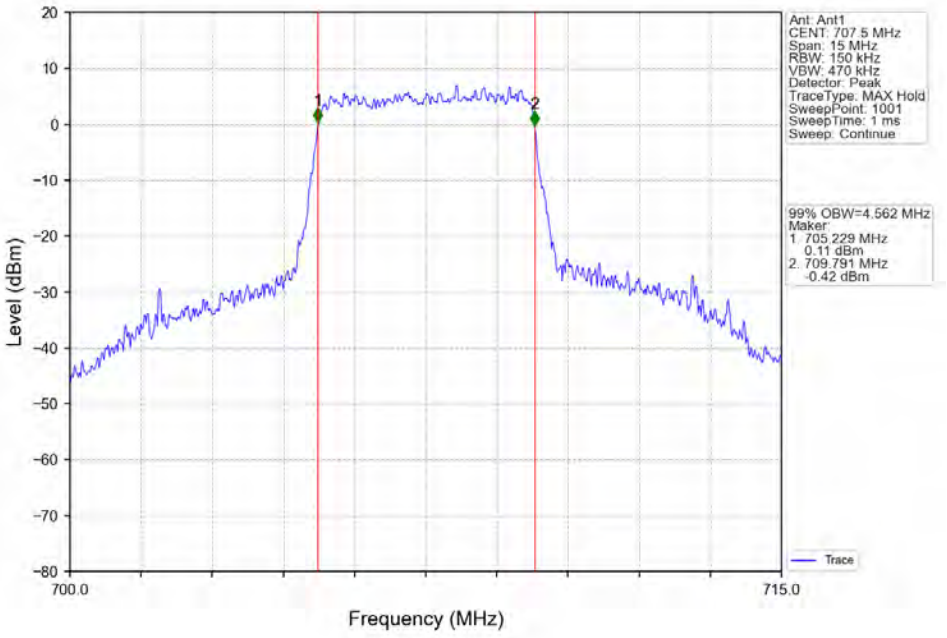
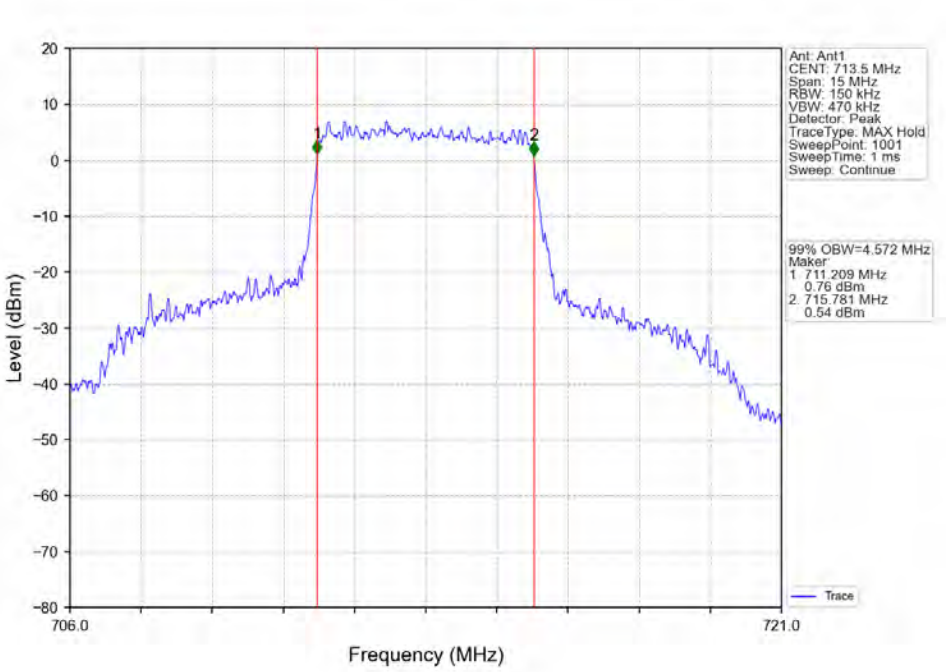


Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

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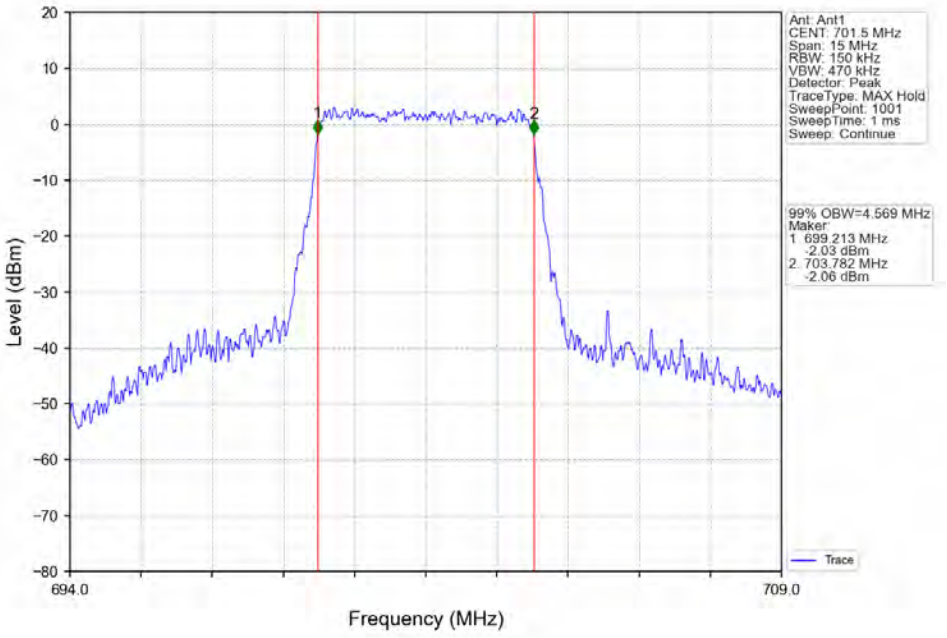
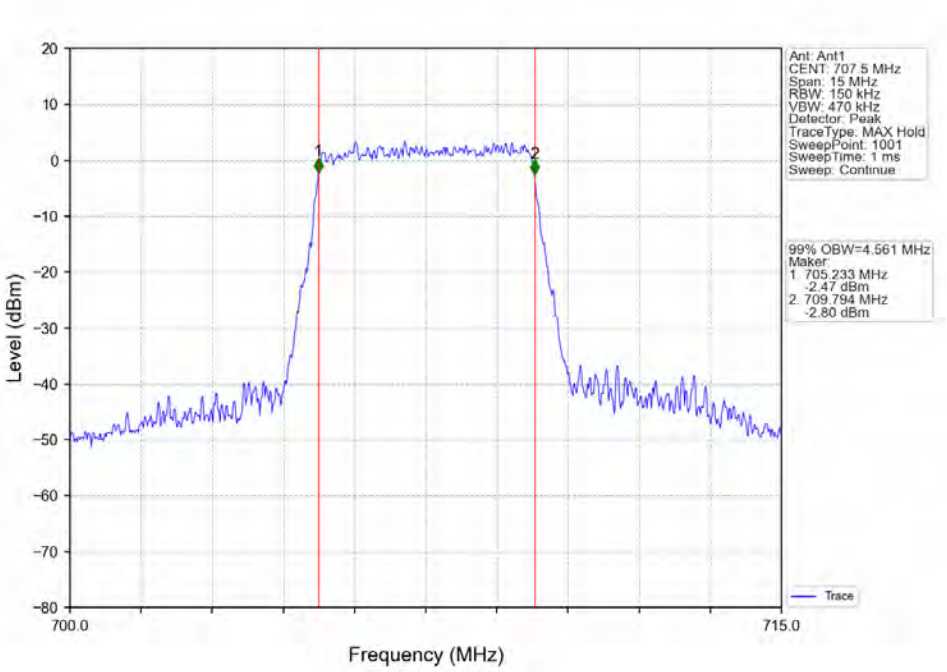
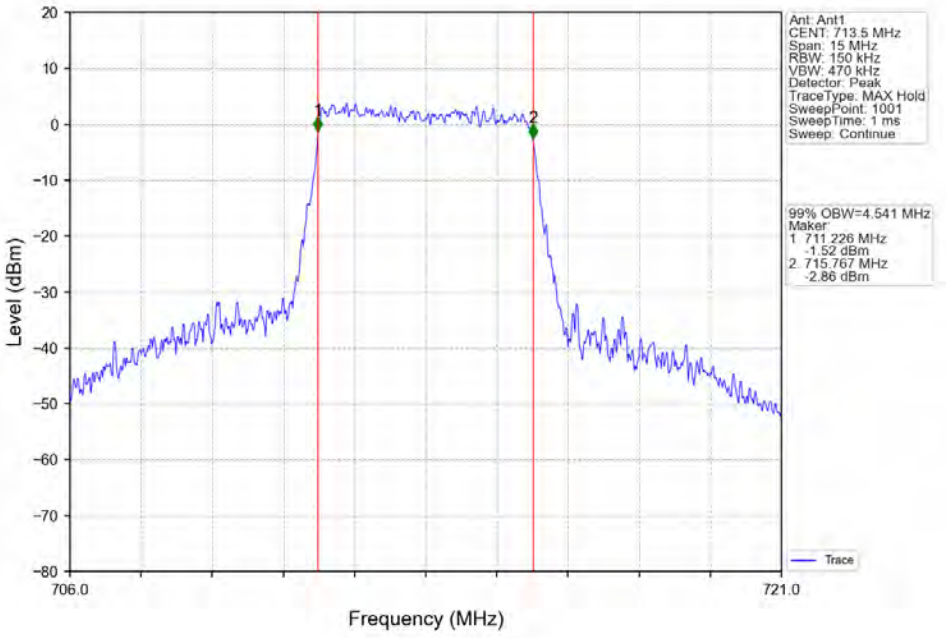
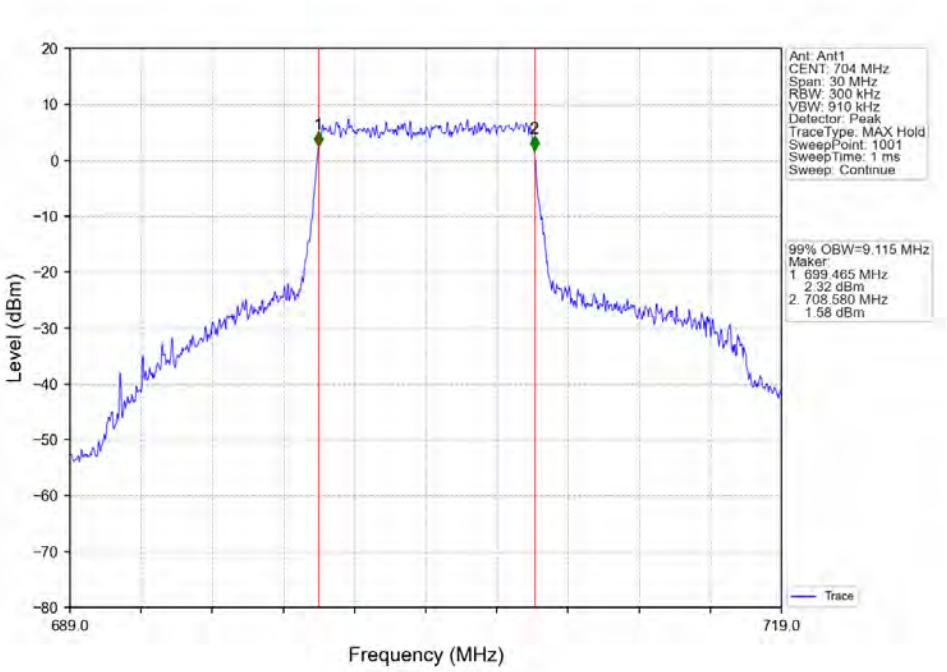


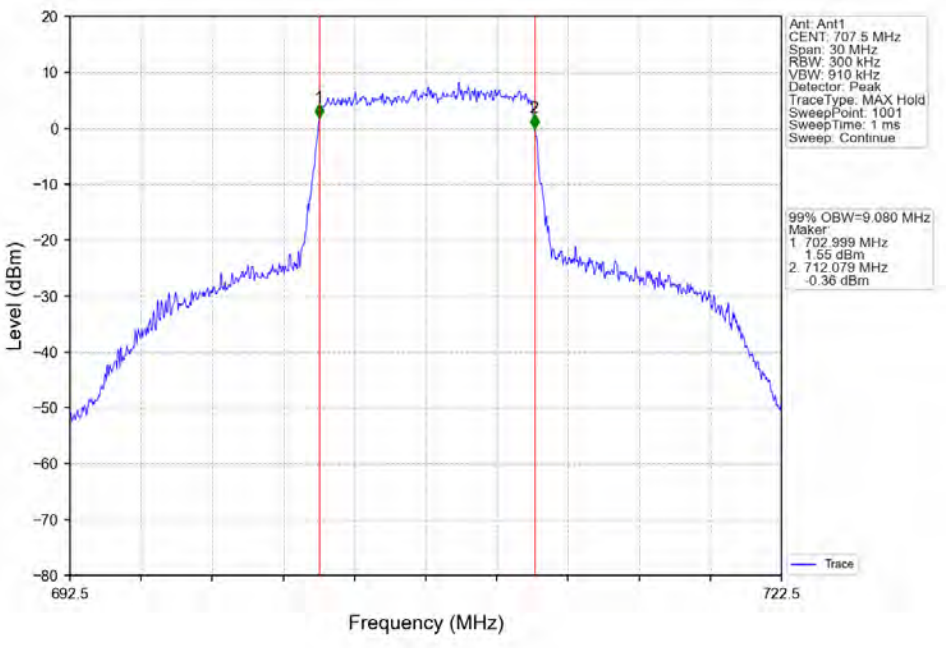
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



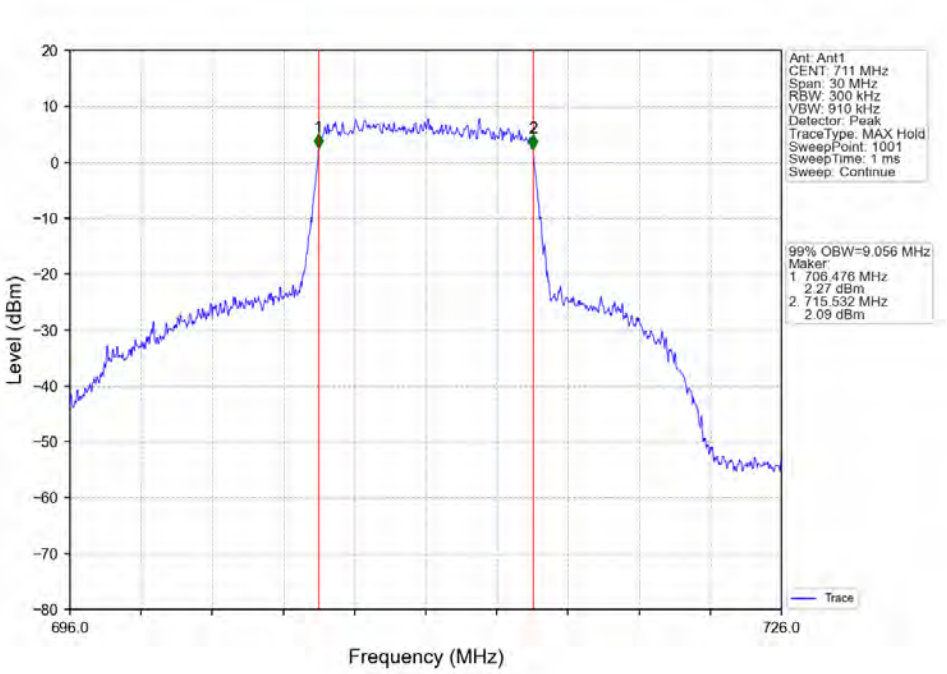
Band12_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



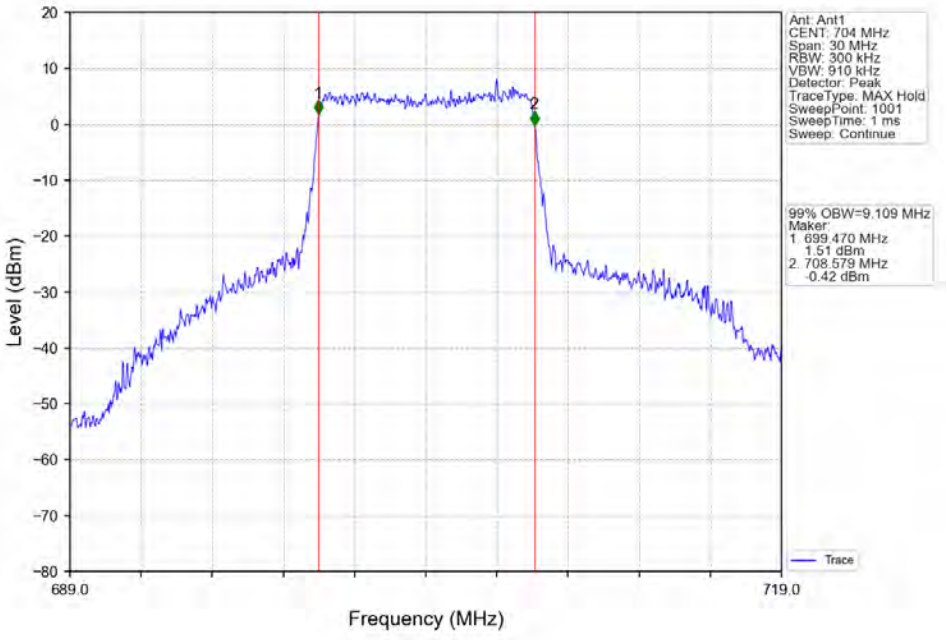
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


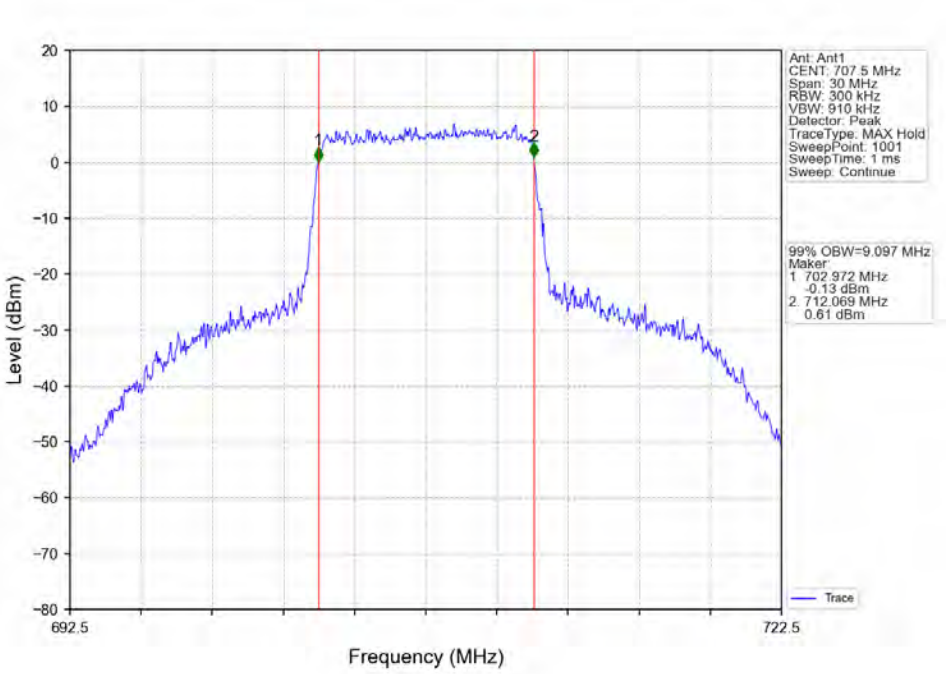
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



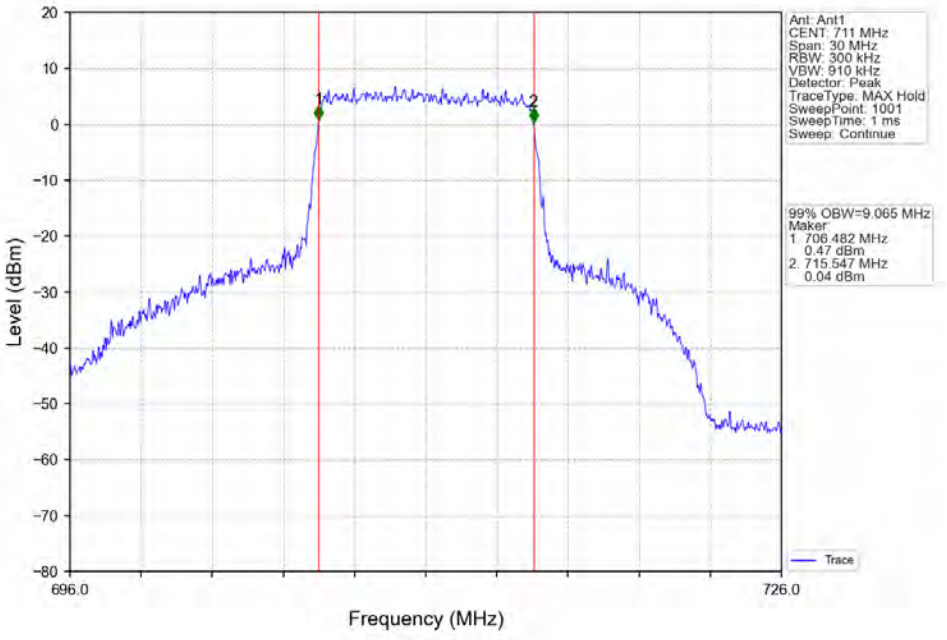
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



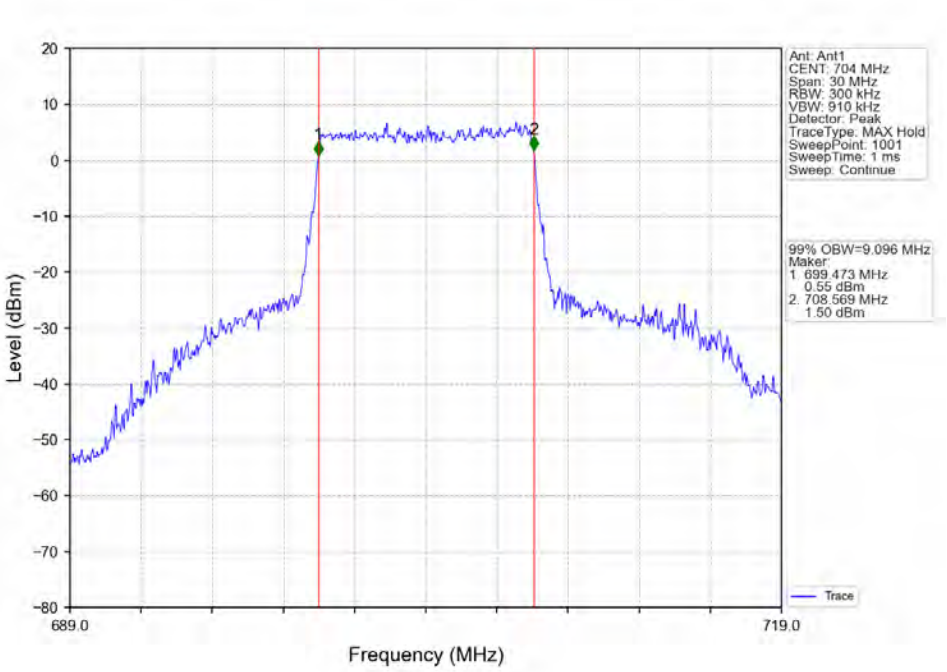
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



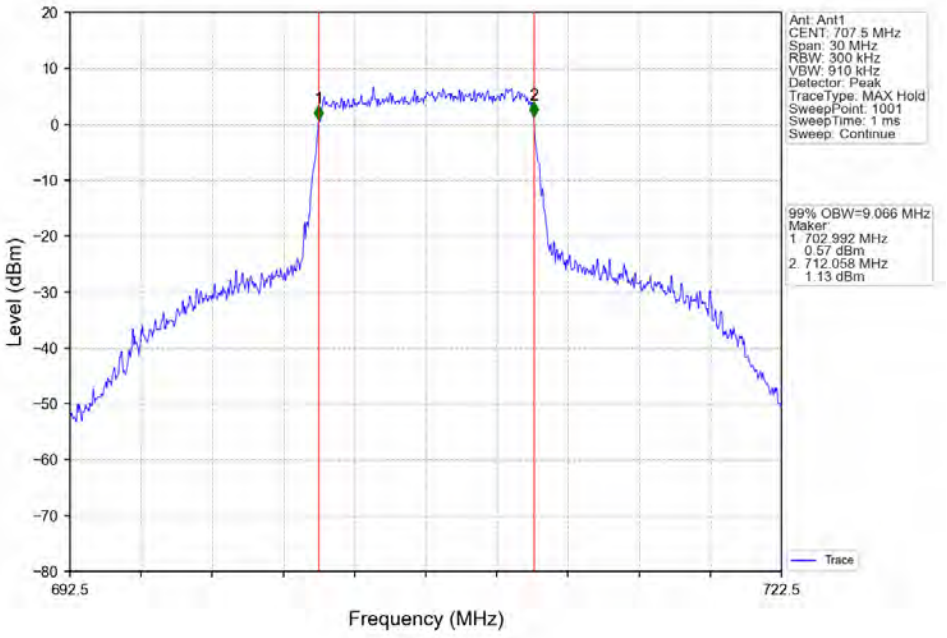
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

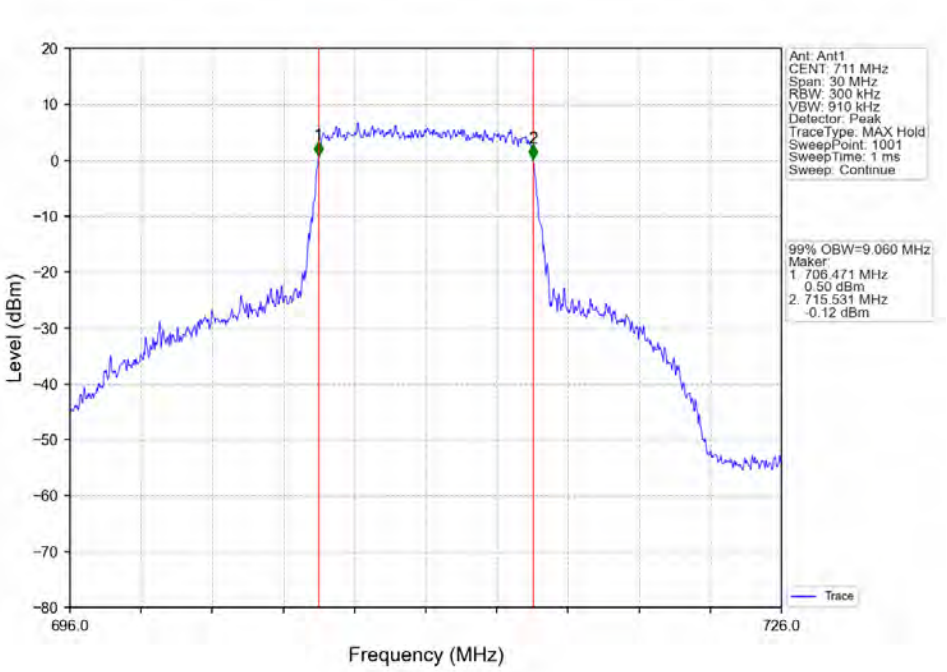


Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

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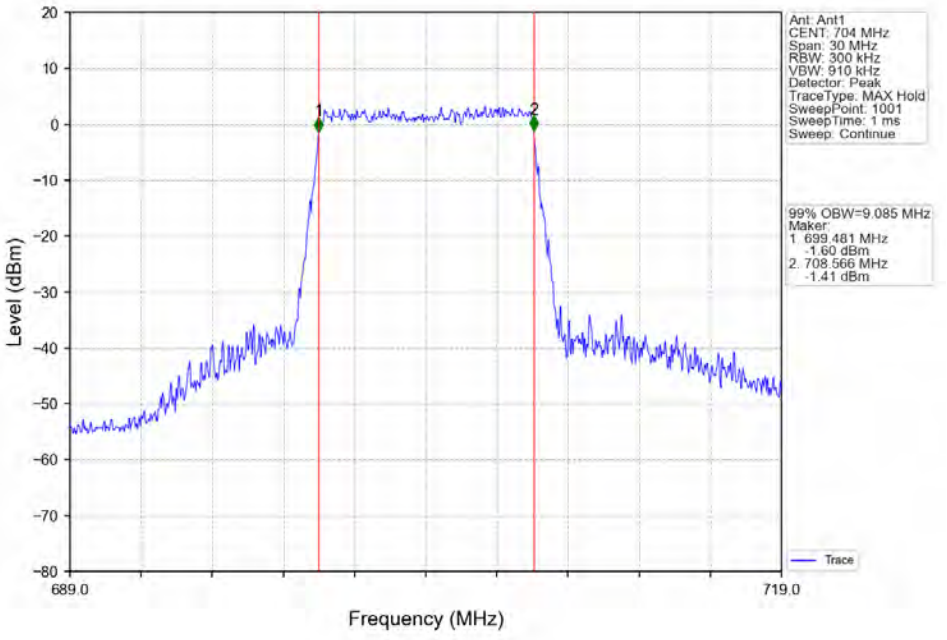
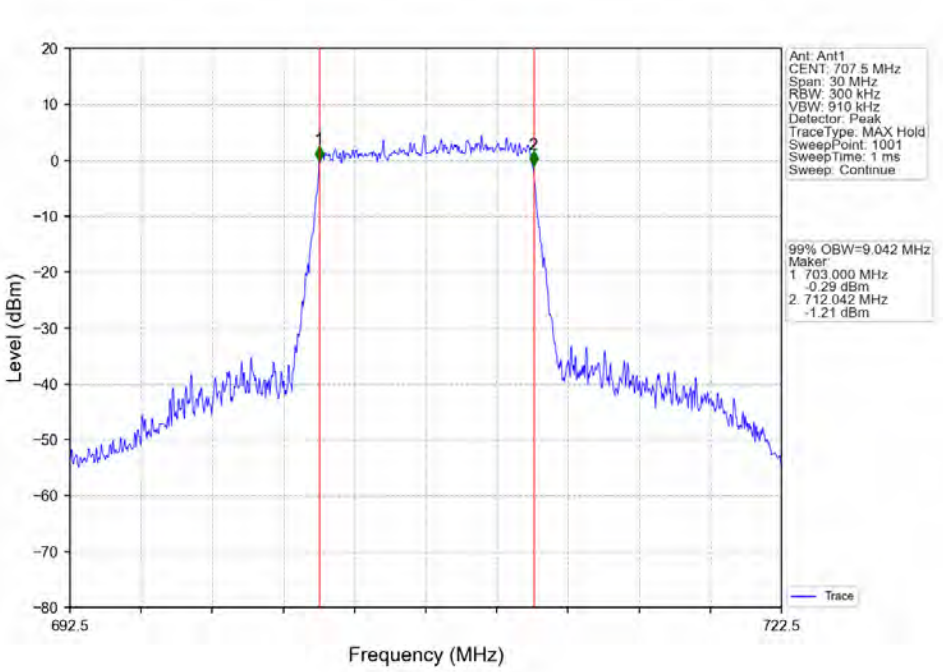
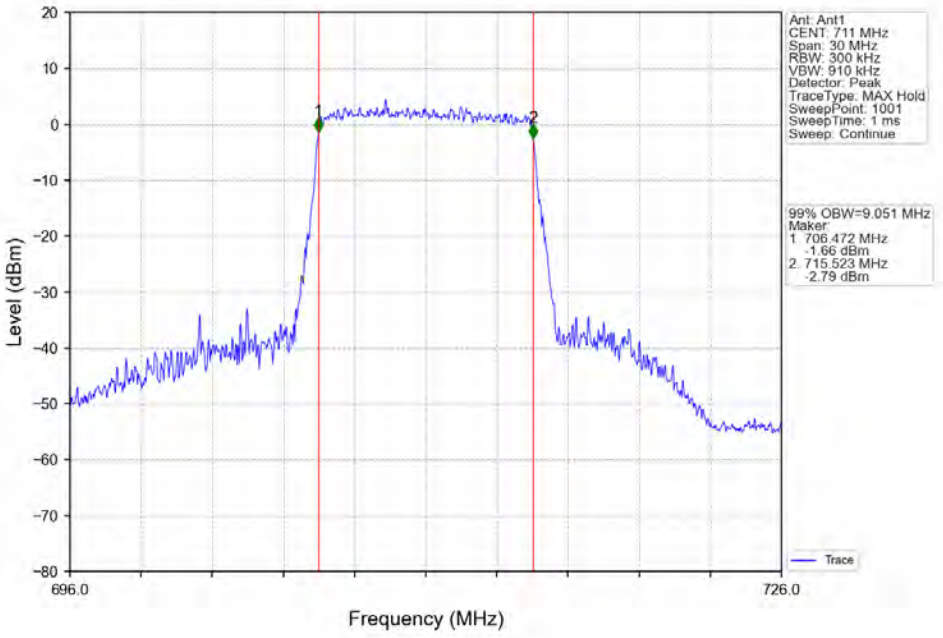
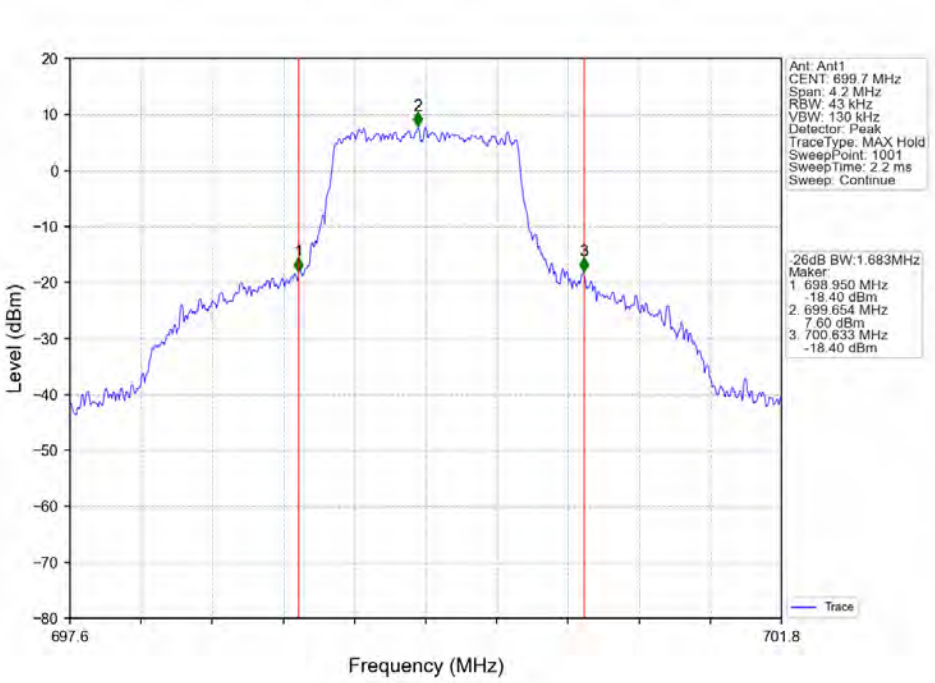
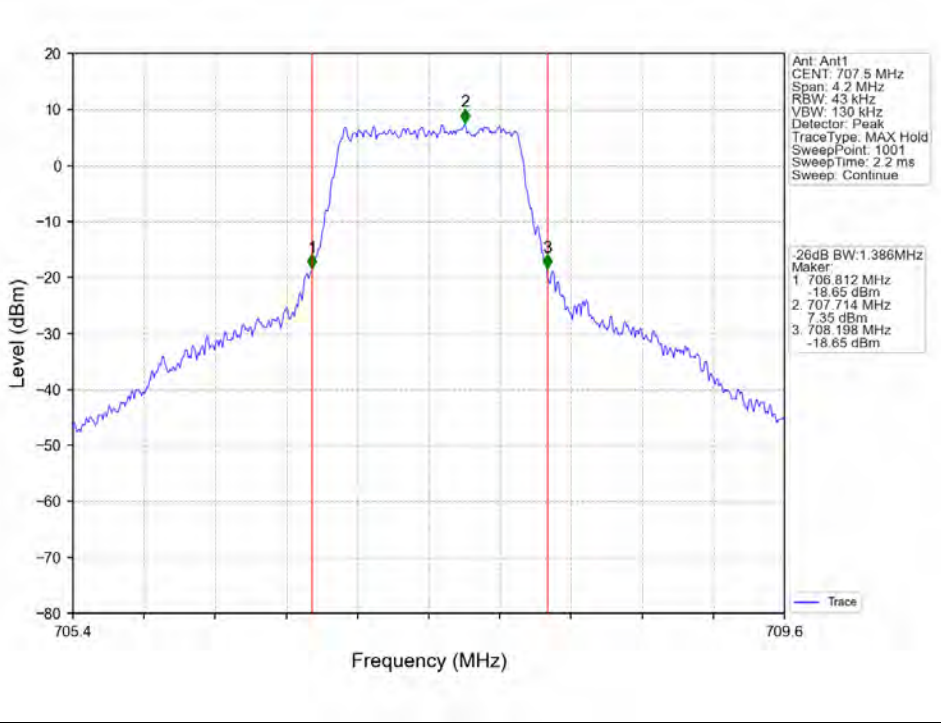


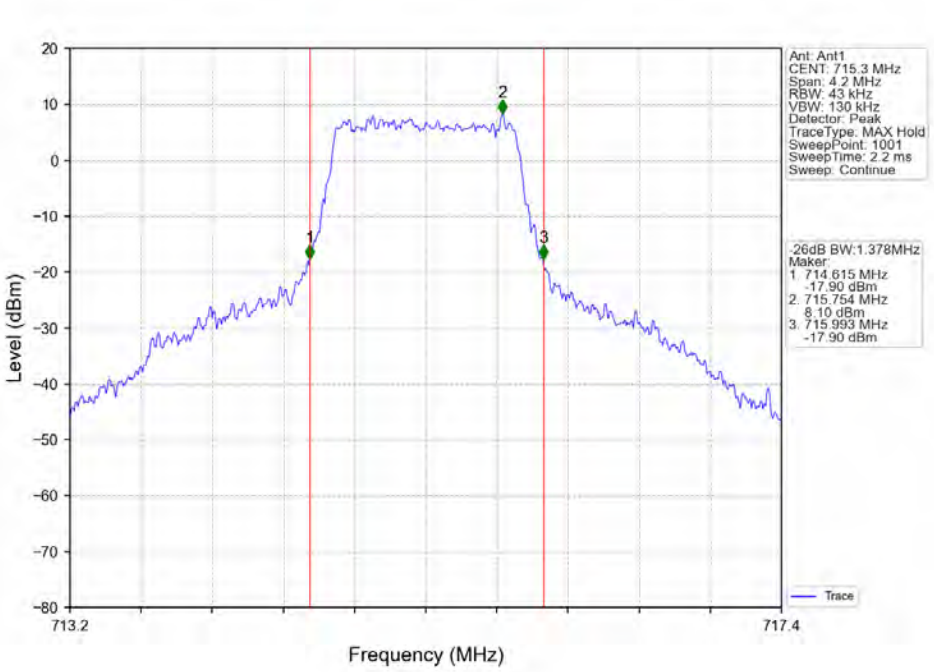
Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV


Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV


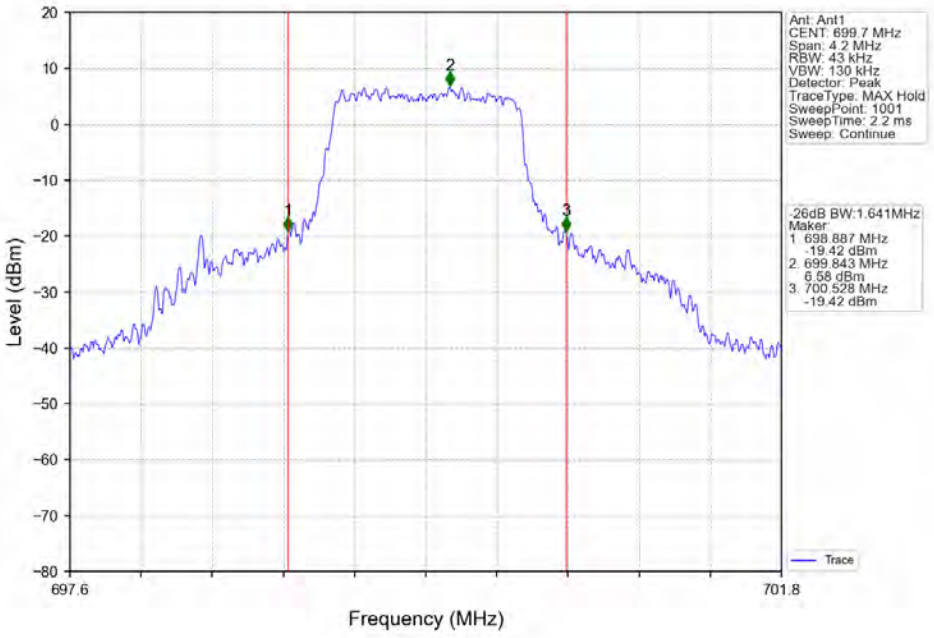
3.2.2 Band12_XDB

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


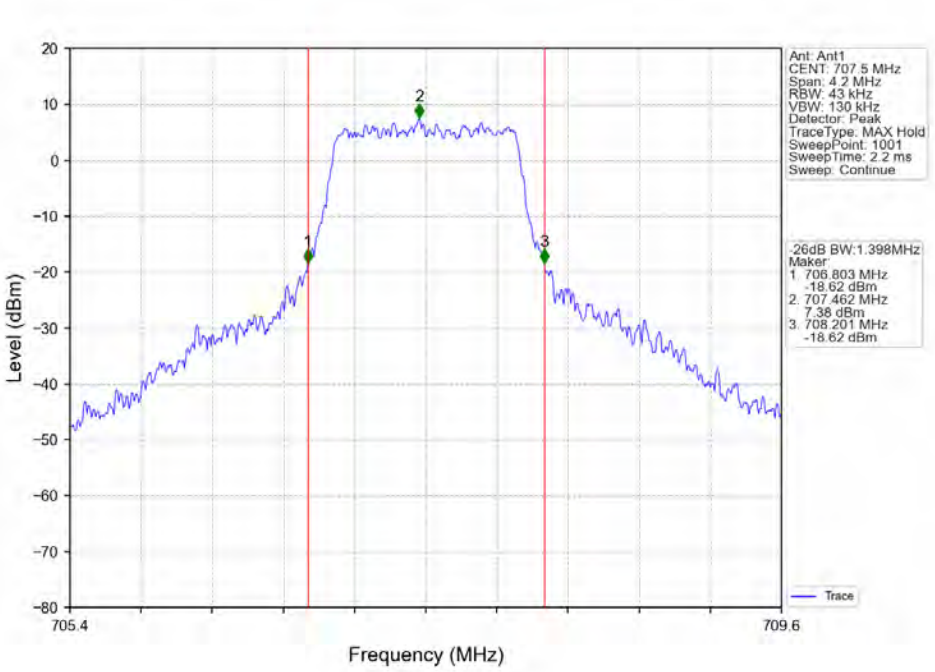
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



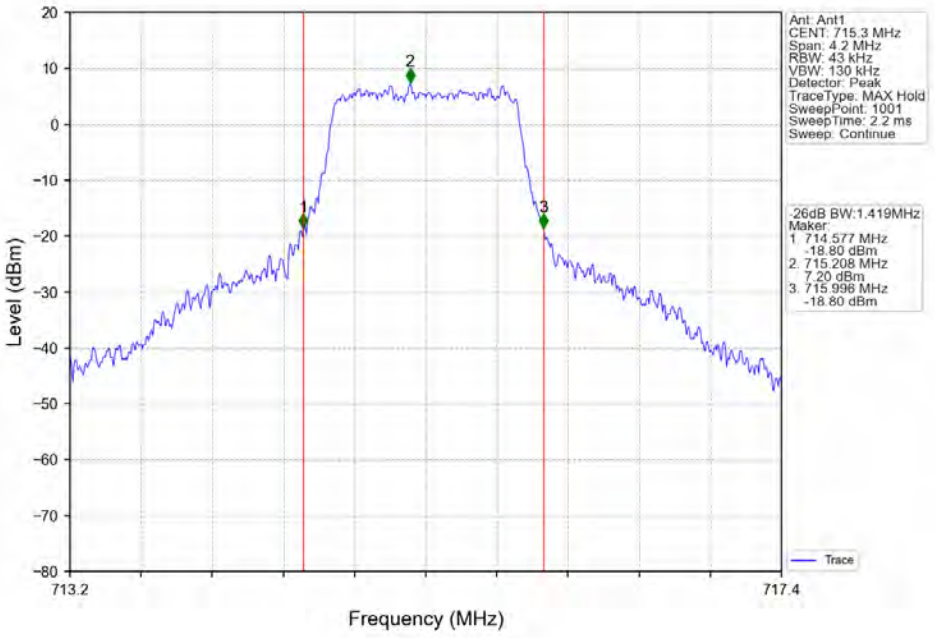
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



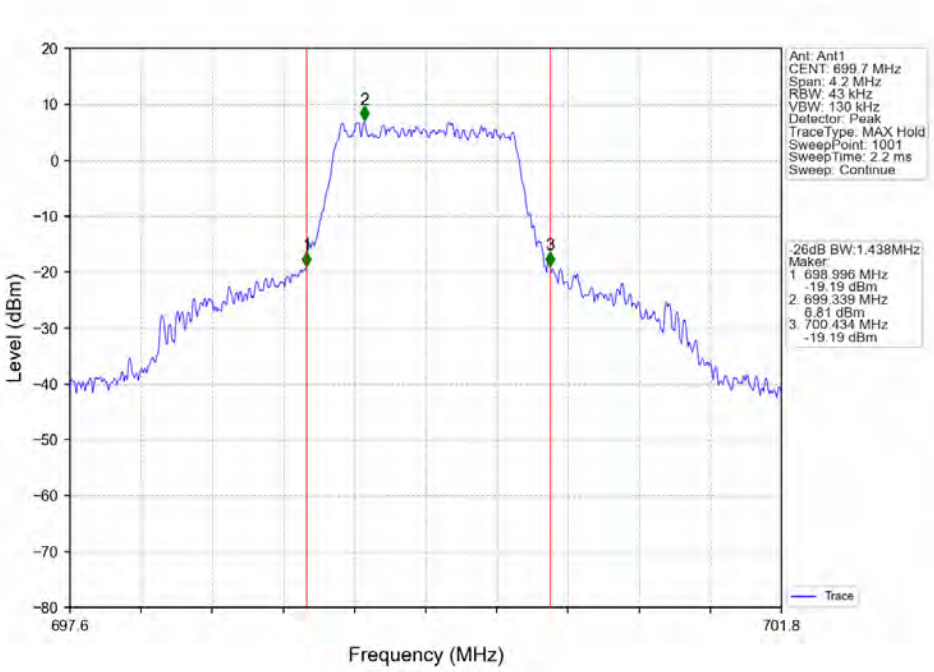
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



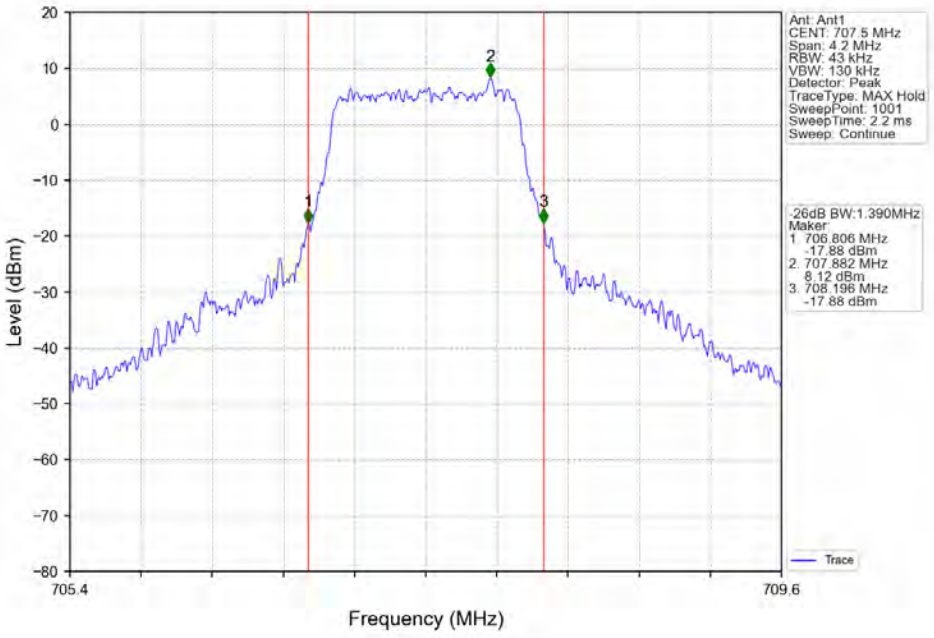
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



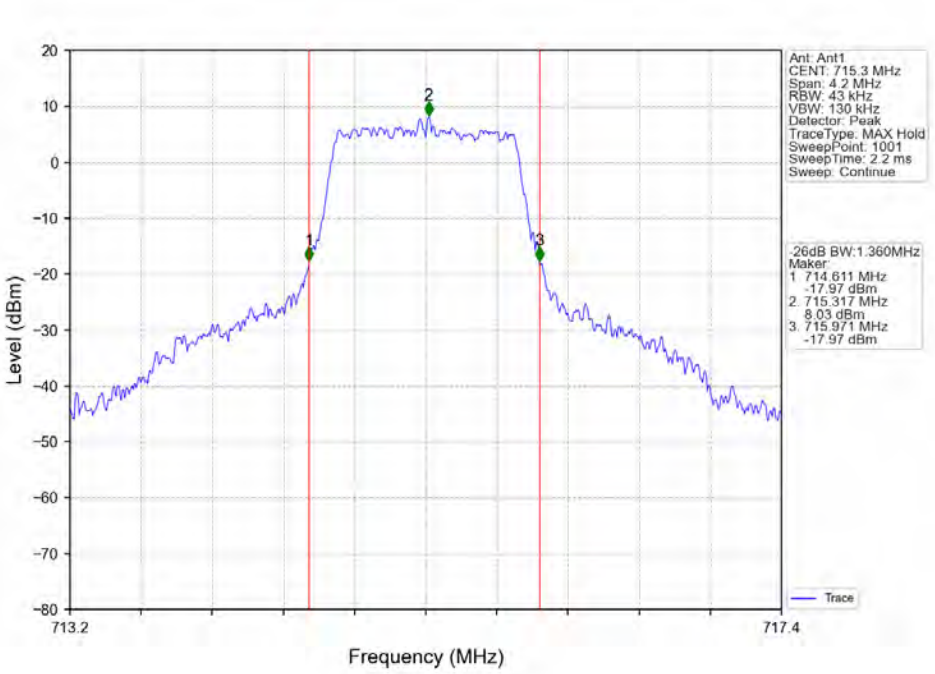
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



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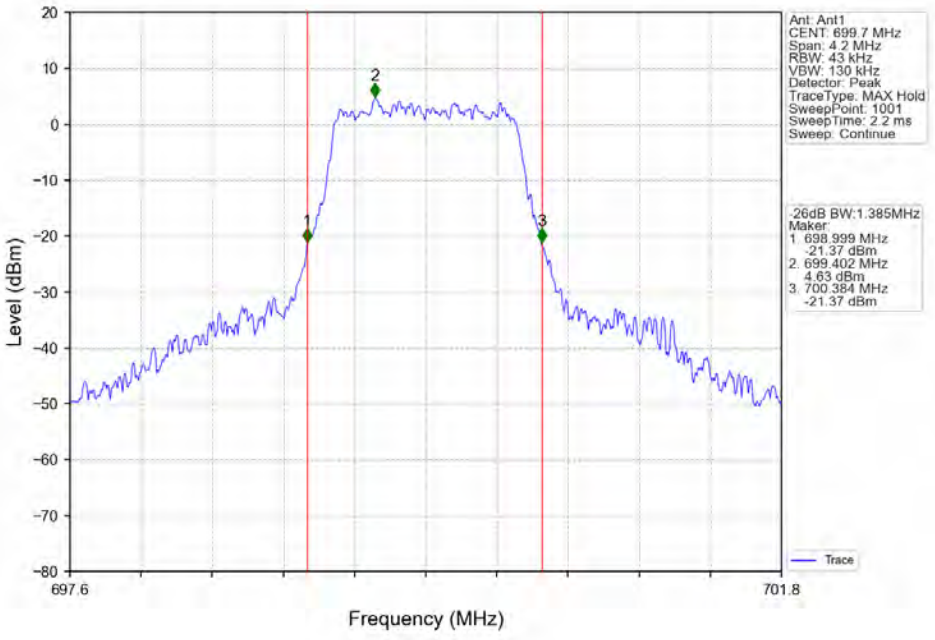
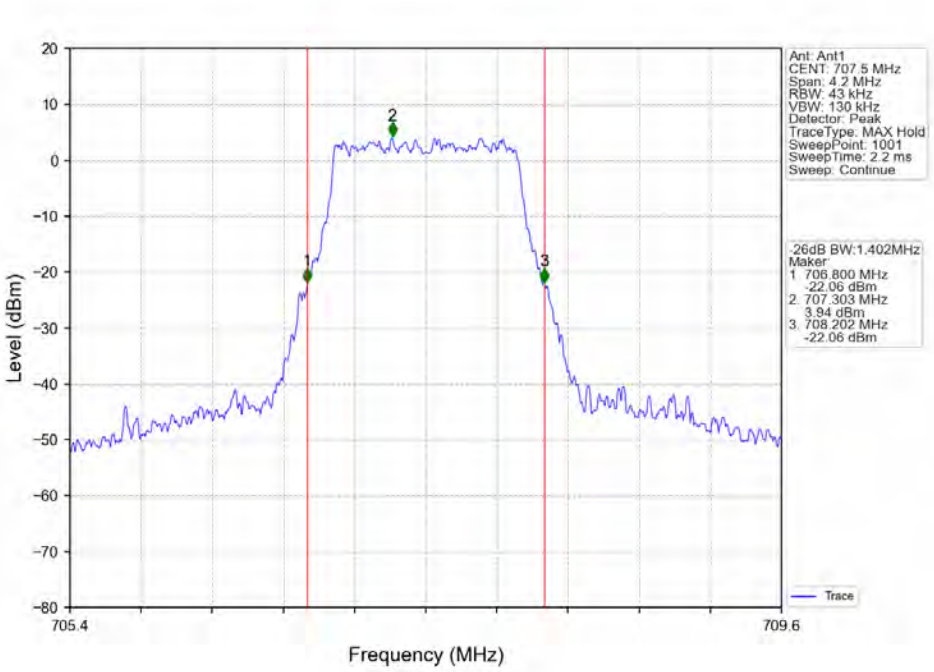
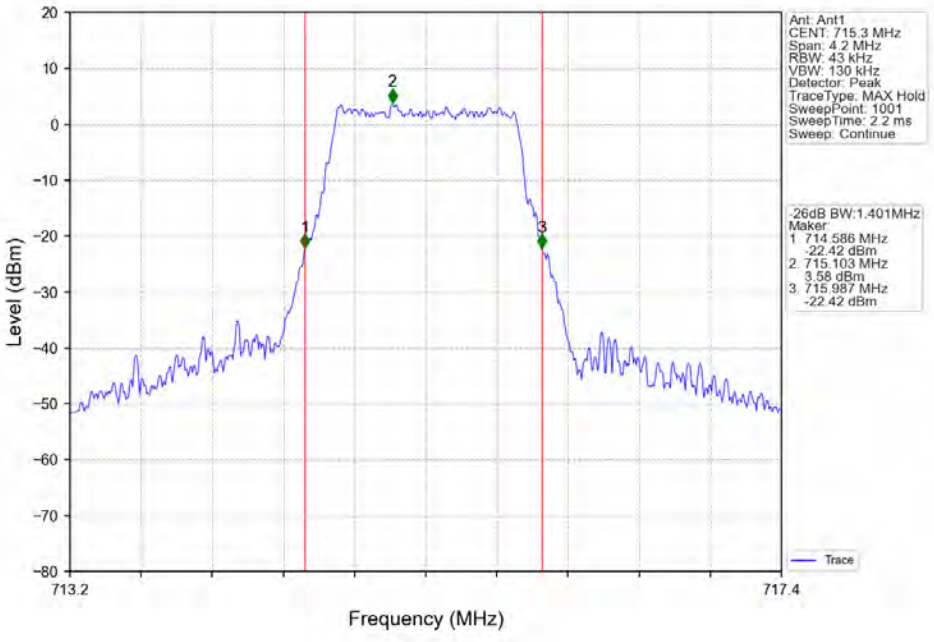
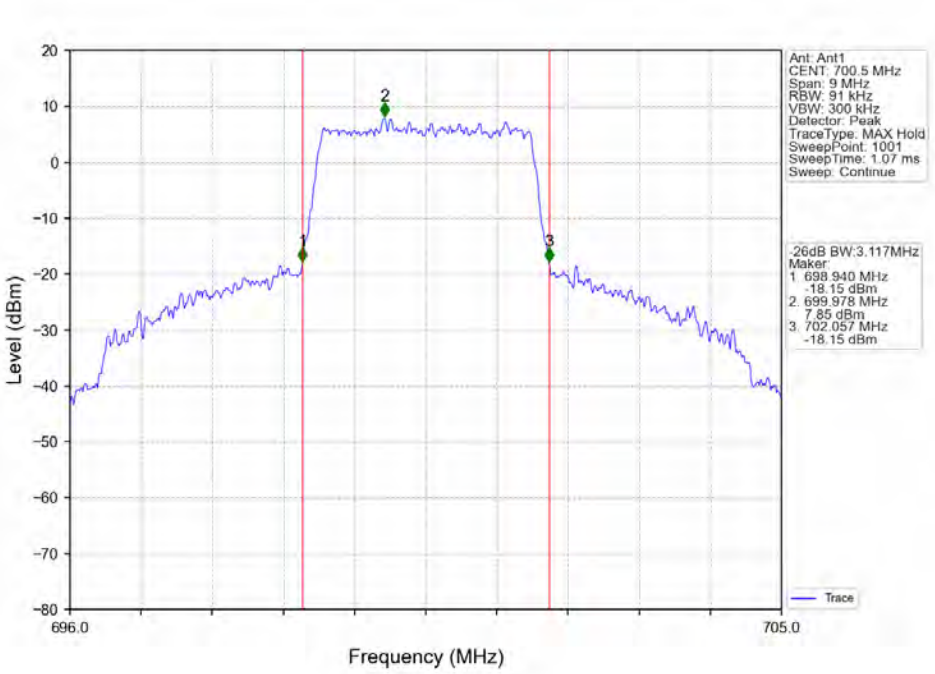
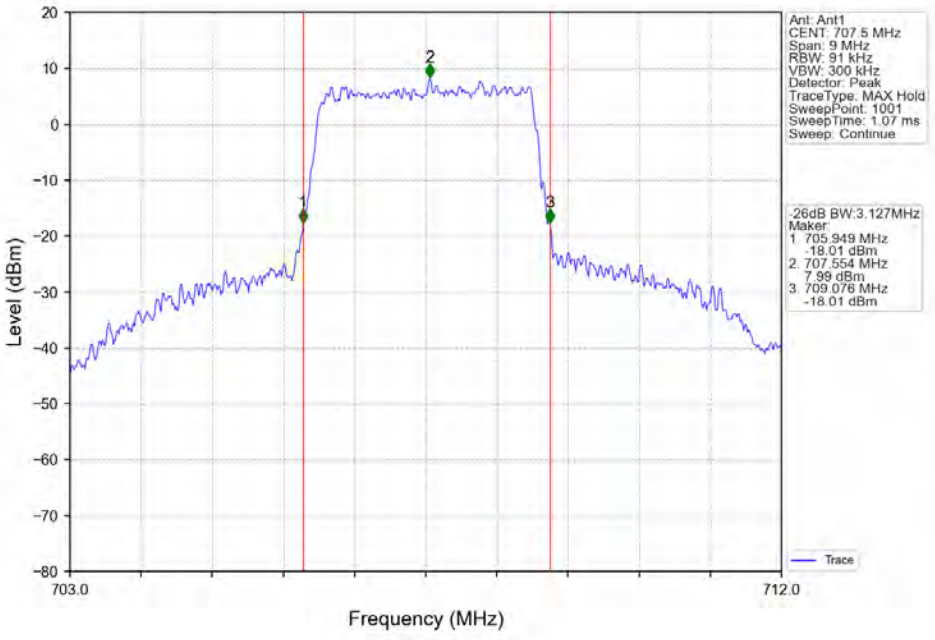


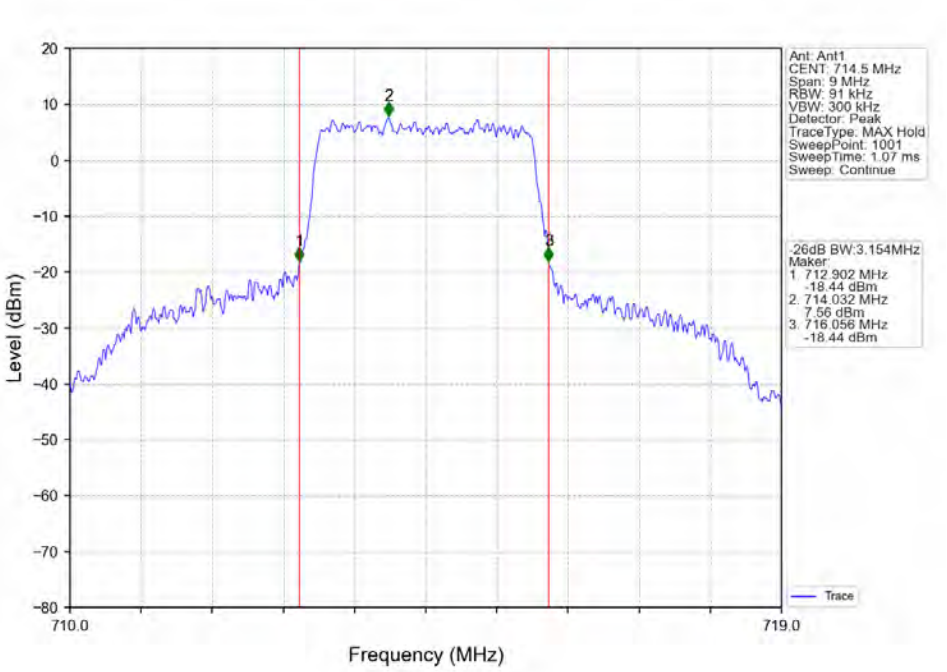
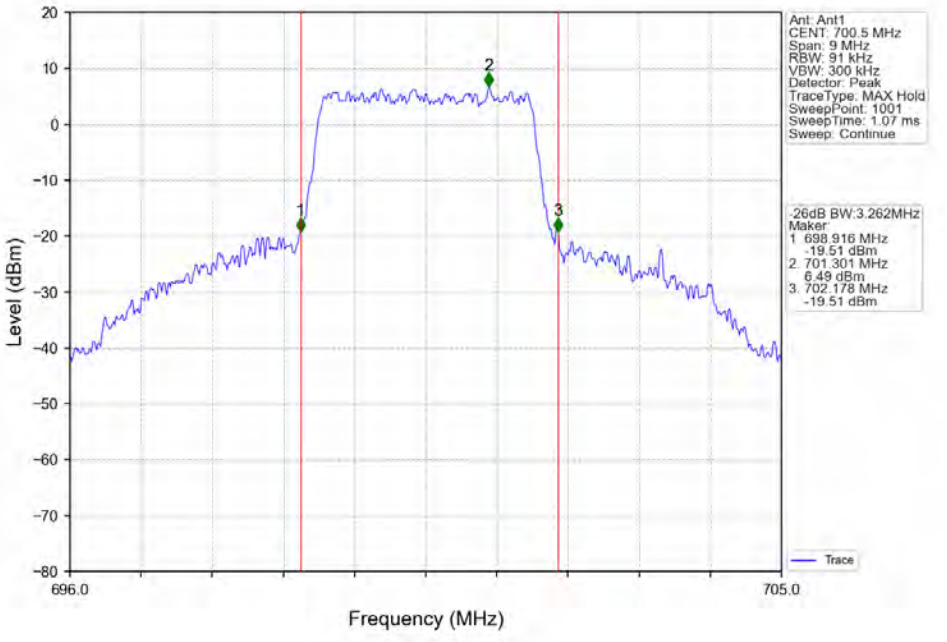
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV

Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV


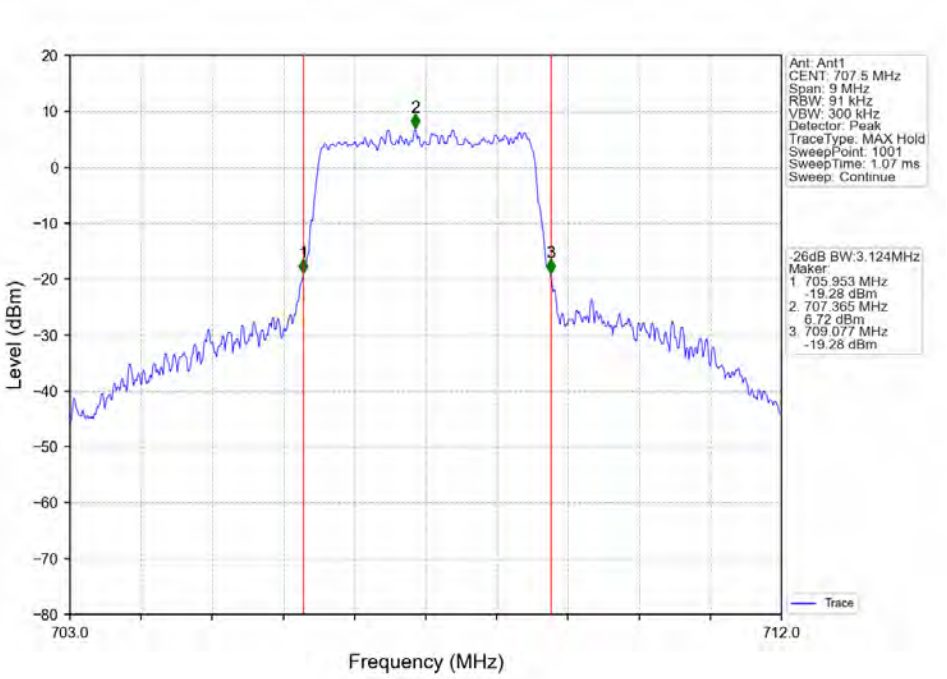
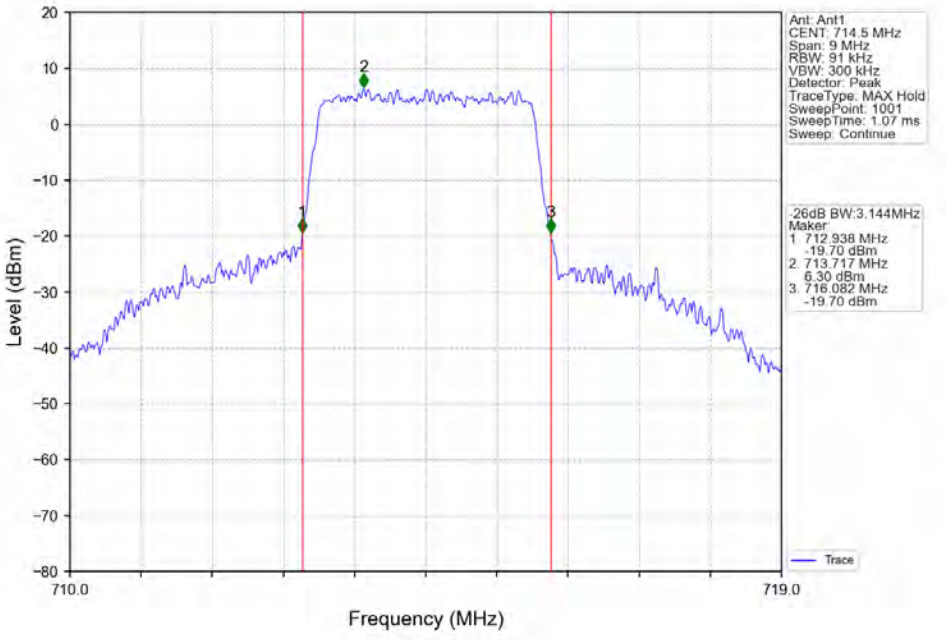
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



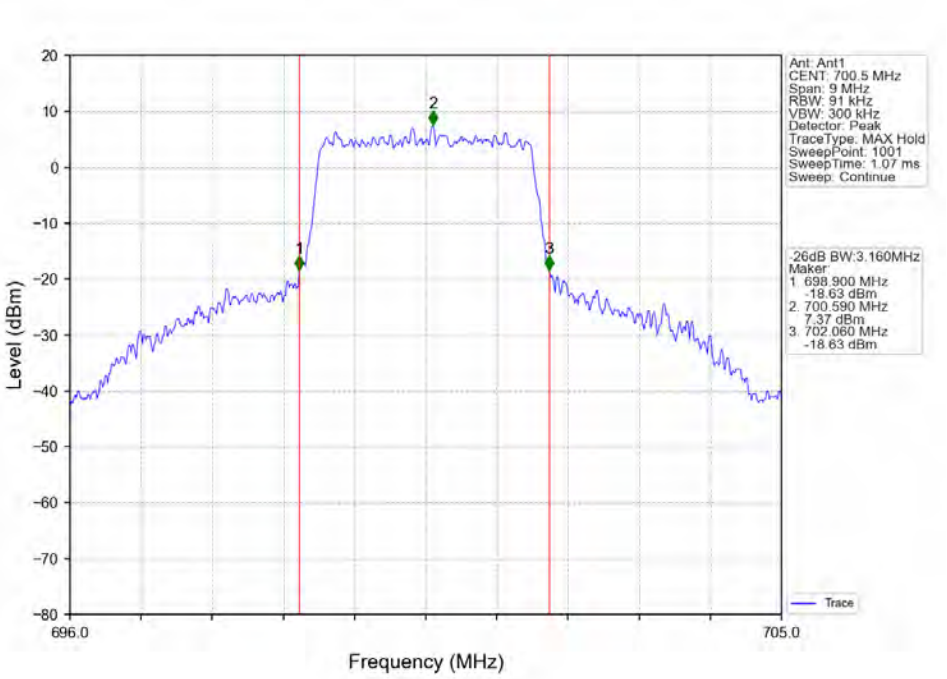
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



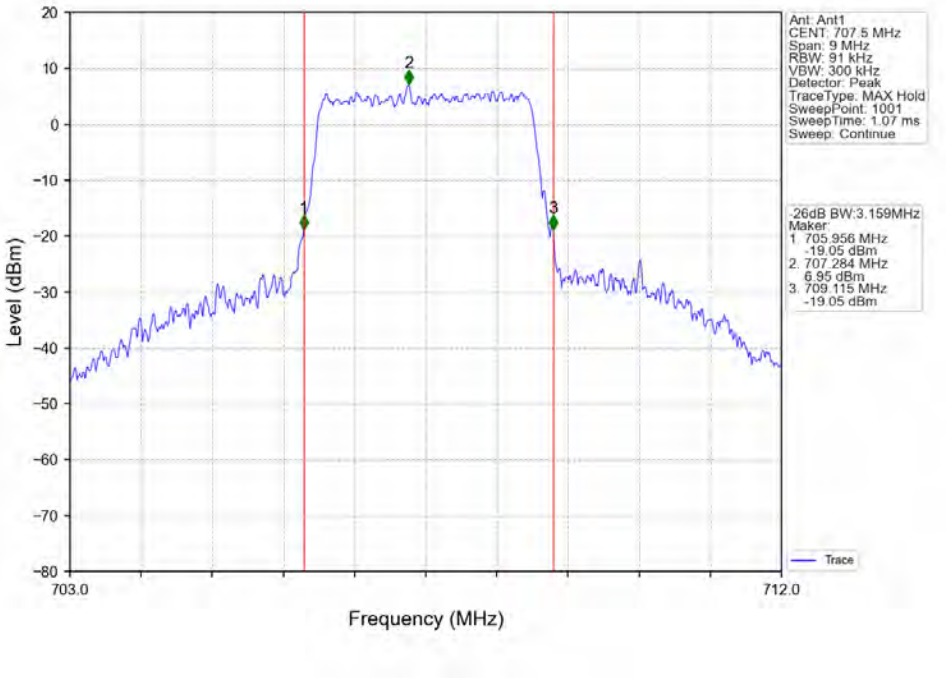
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

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


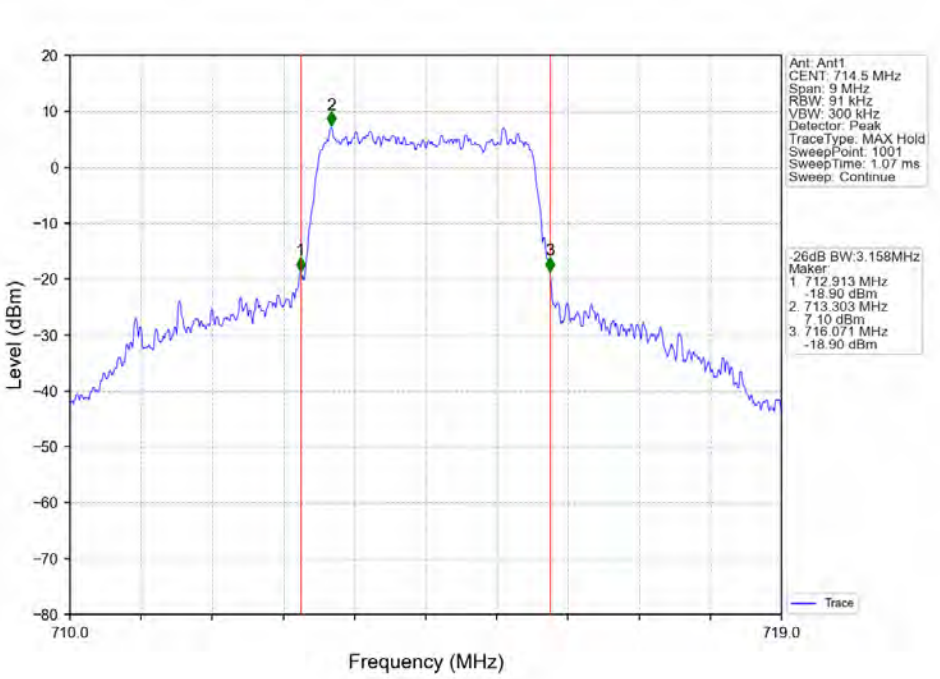
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



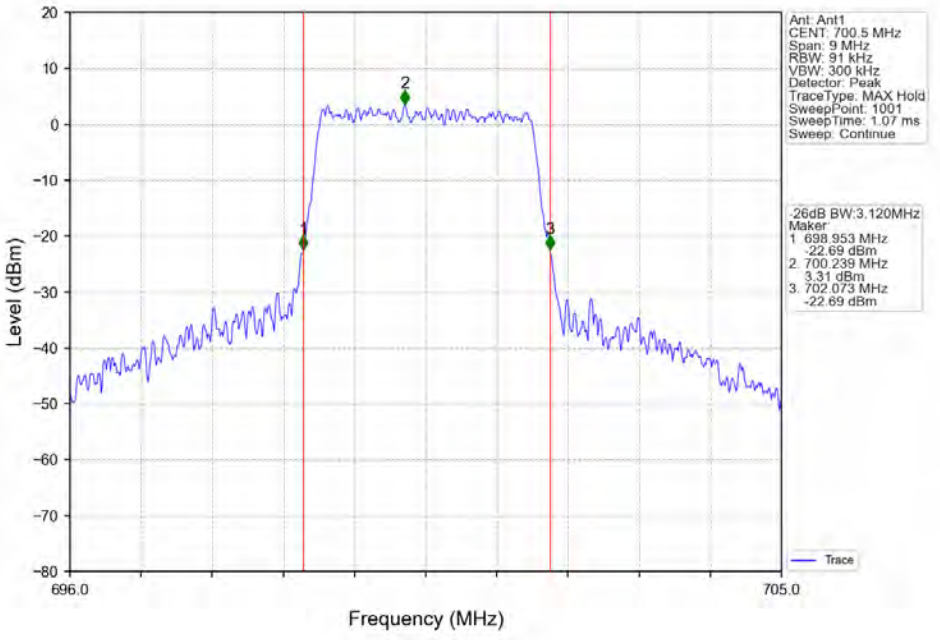
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV

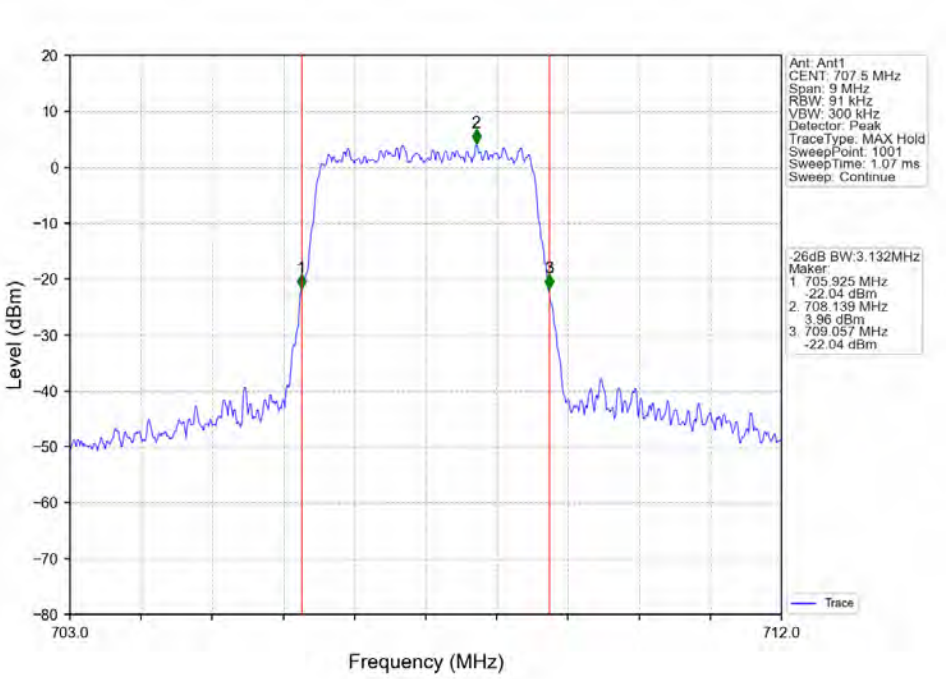


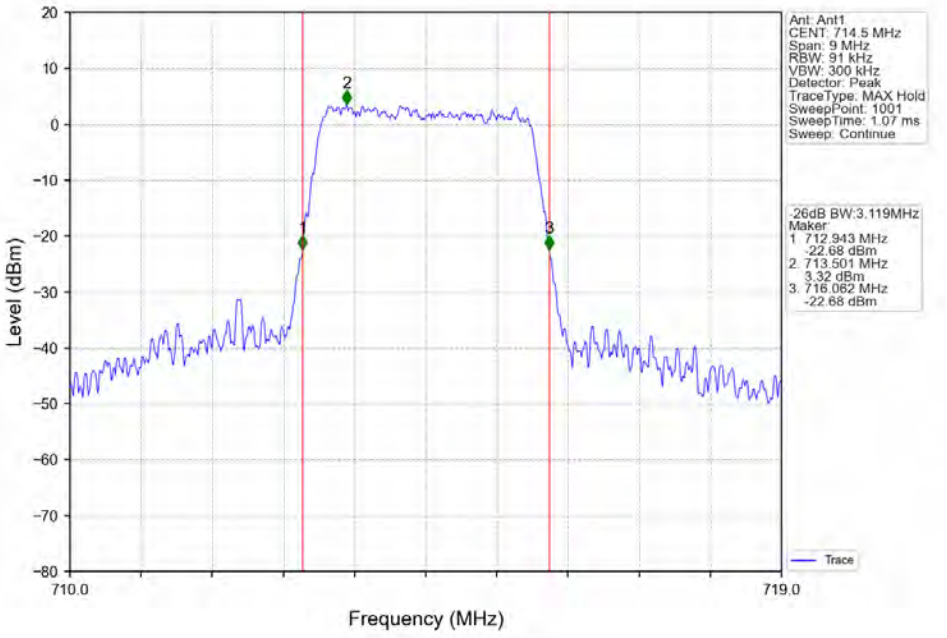
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



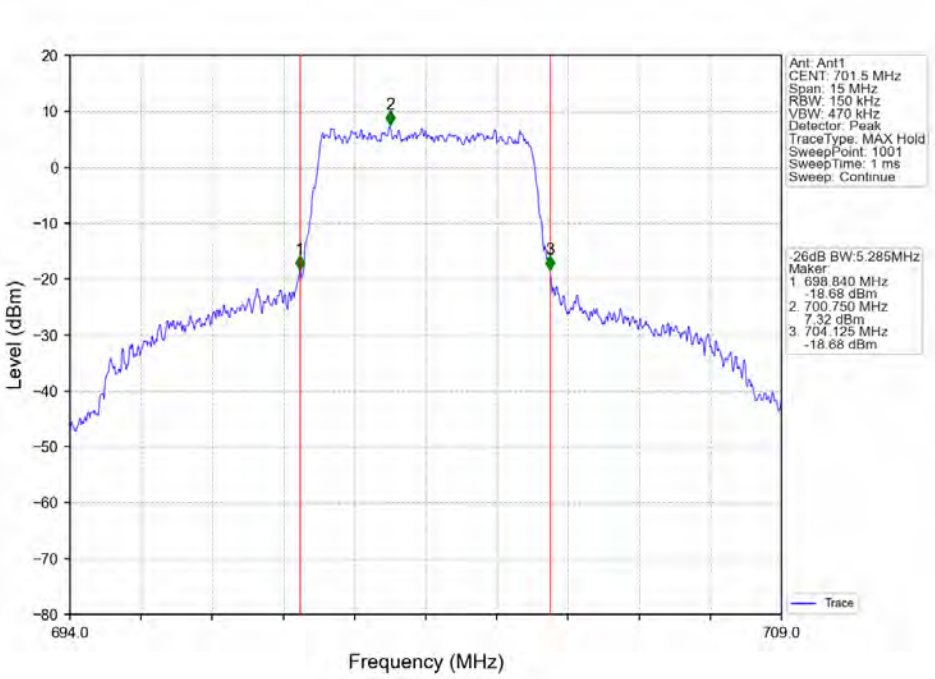
Band12_3MHz_256QAM_LCH_700.5MHz_RB_15_0_NTNV



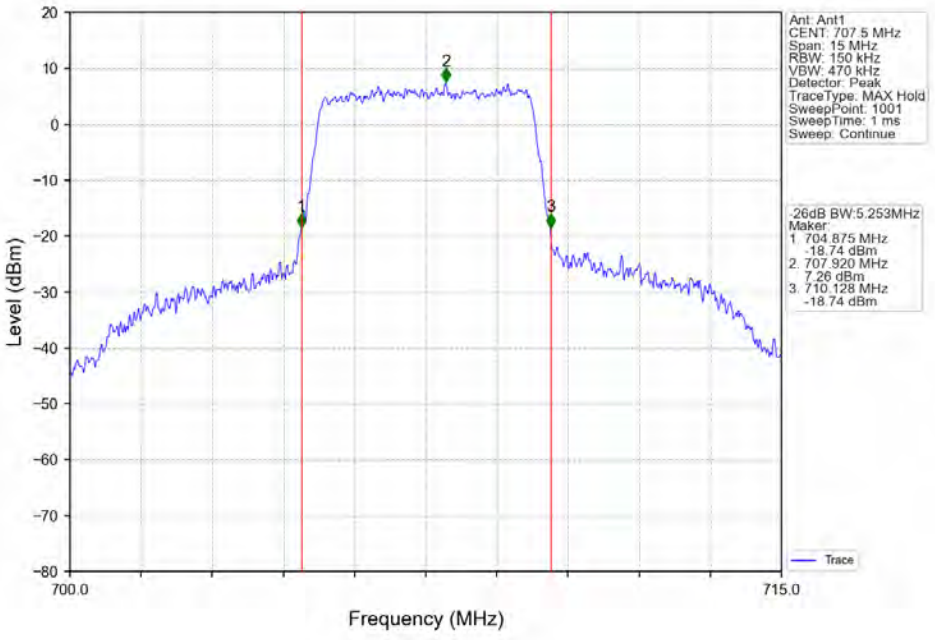
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV


Band12_3MHz_256QAM_HCH_714.5MHz_RB_15_0_NTNV


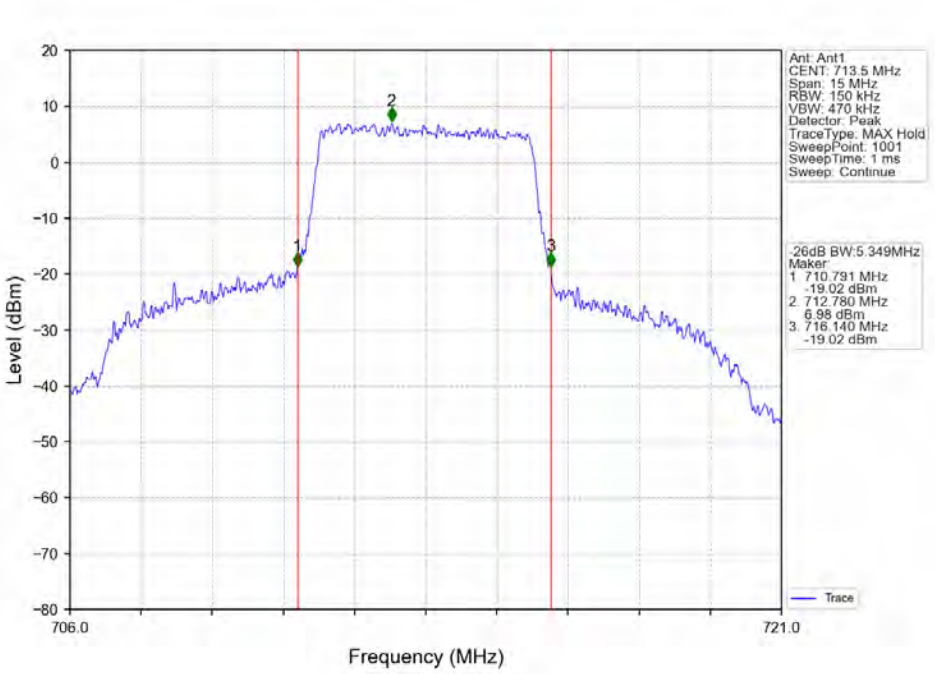
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



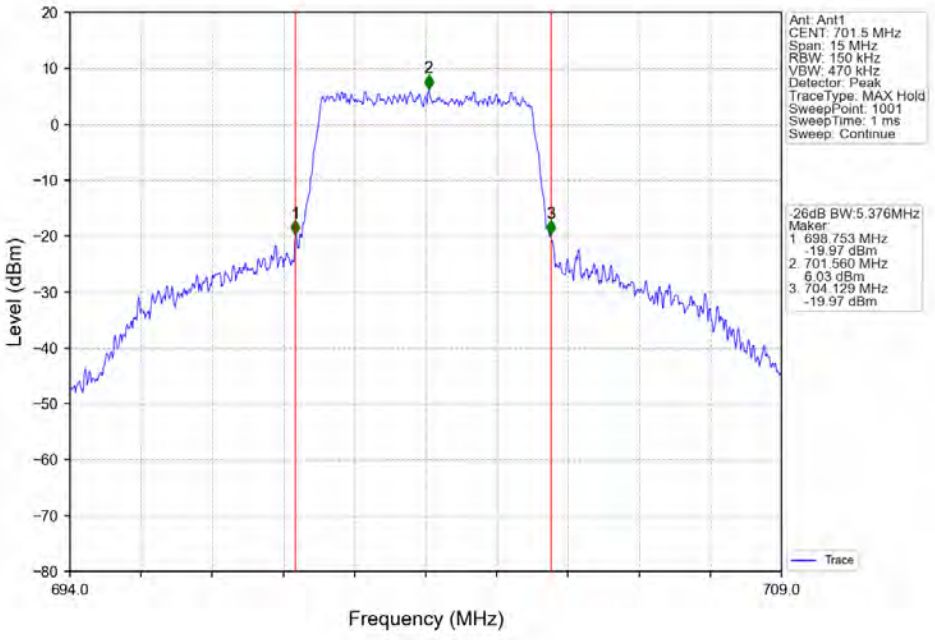
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



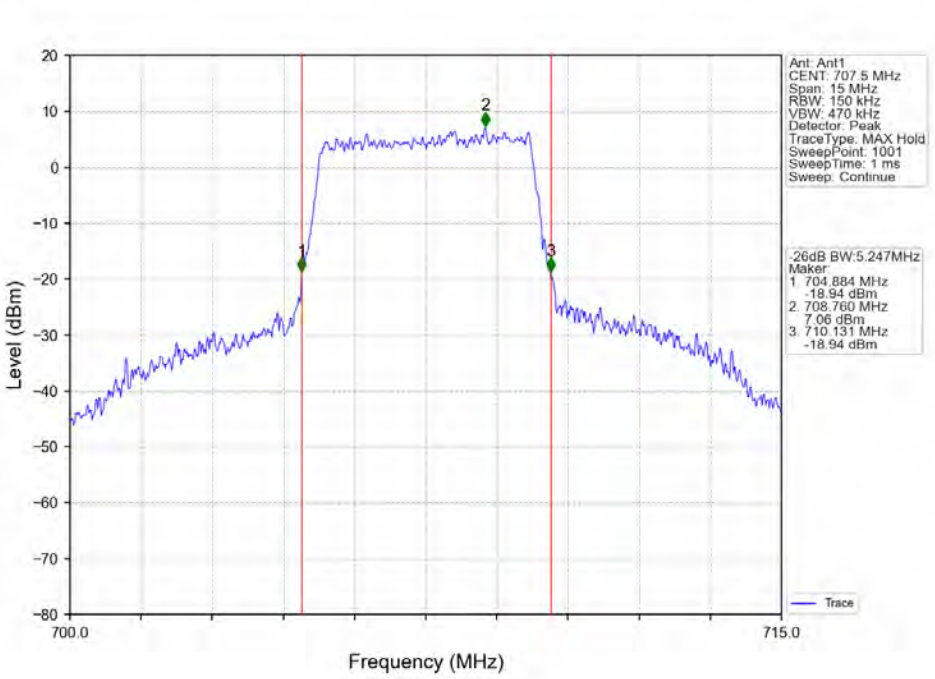
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



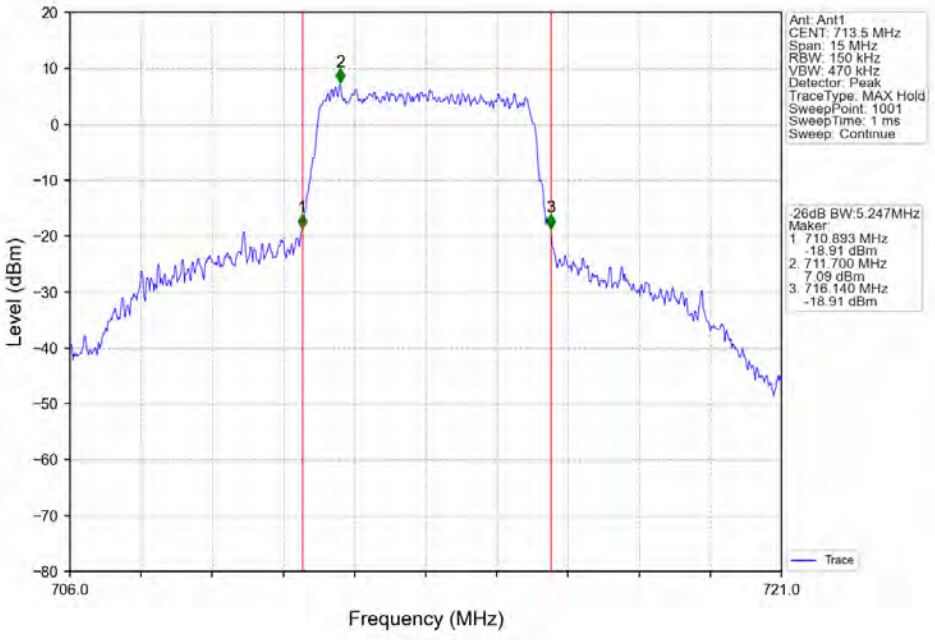
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



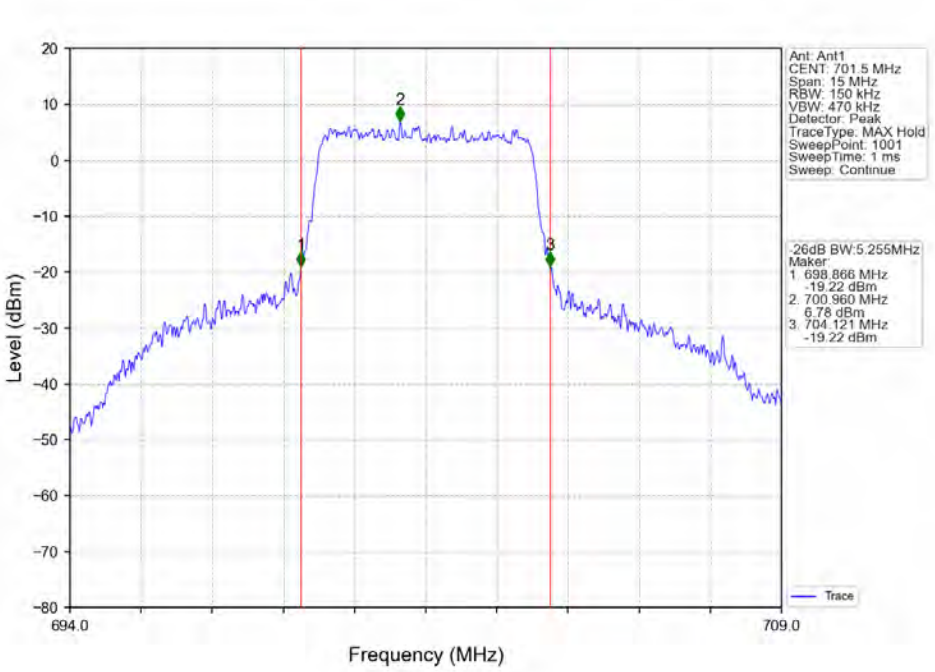
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



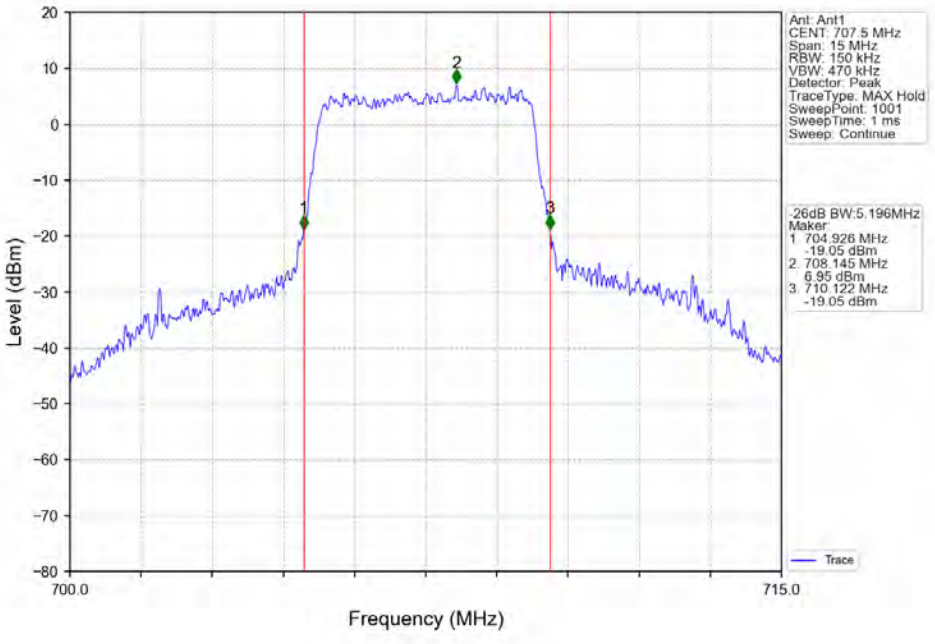
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



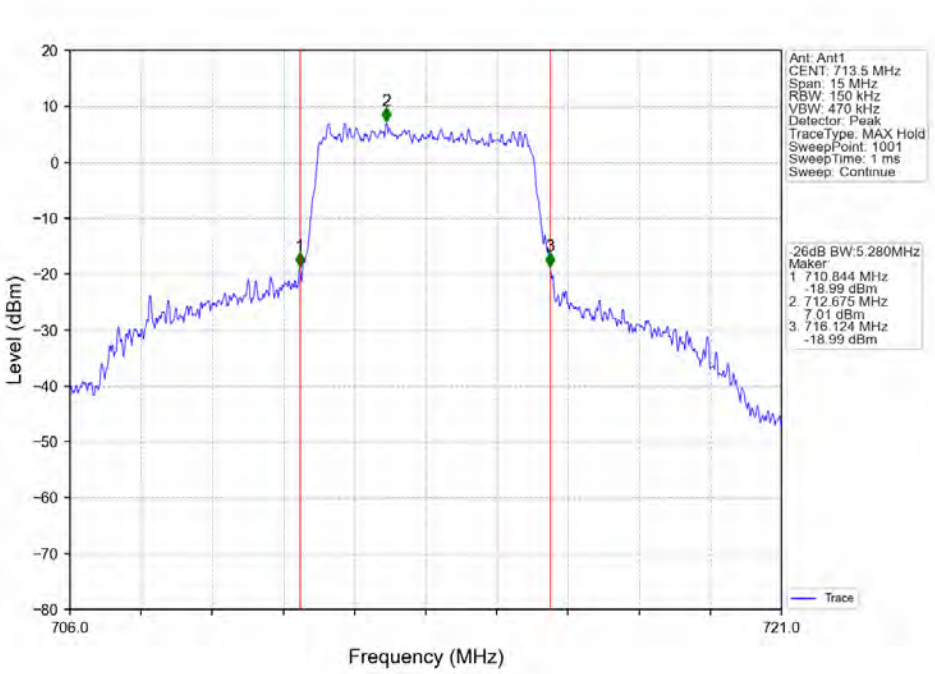
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



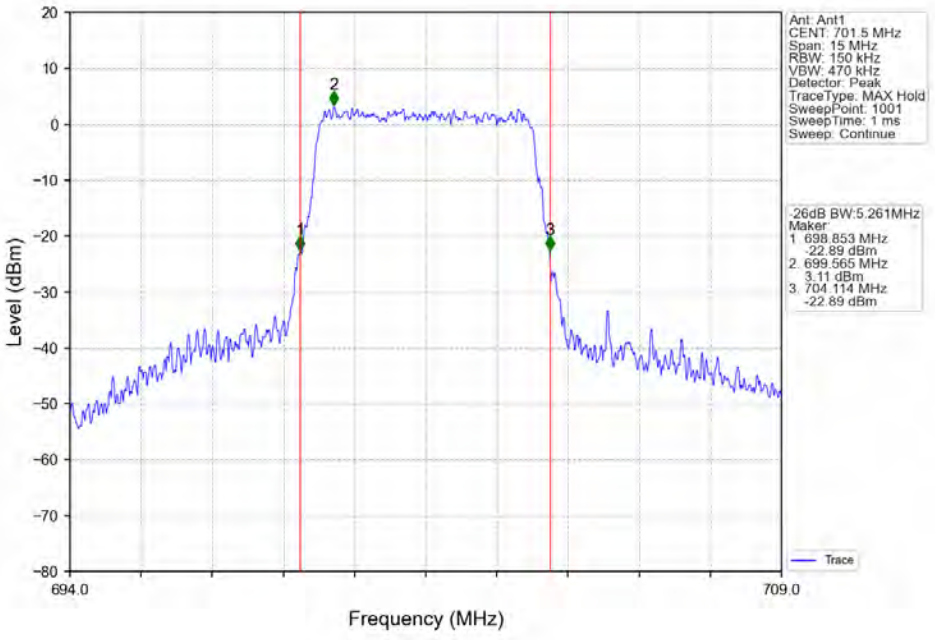
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



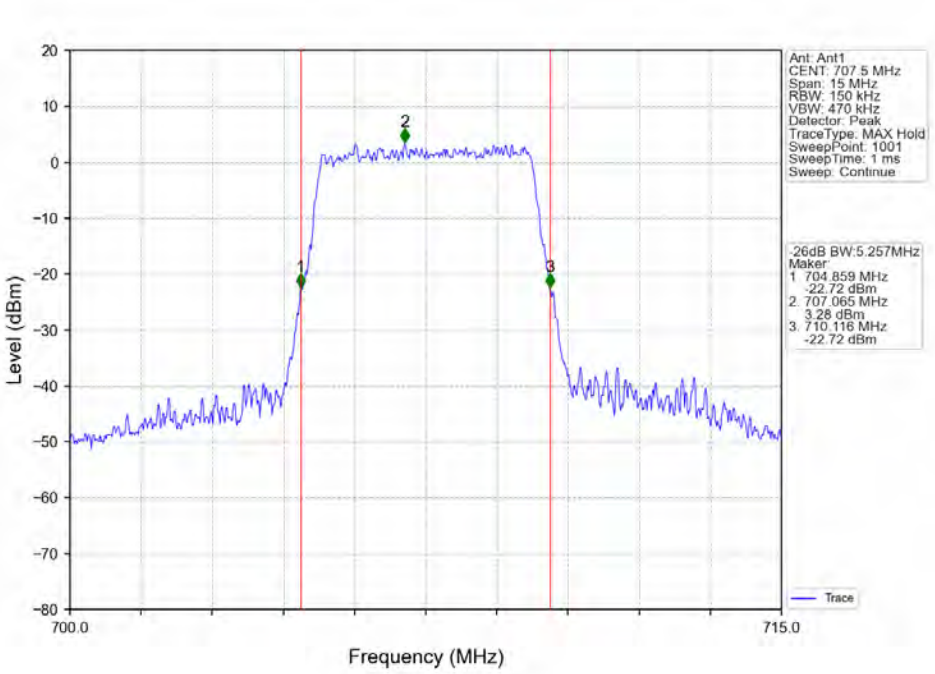
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



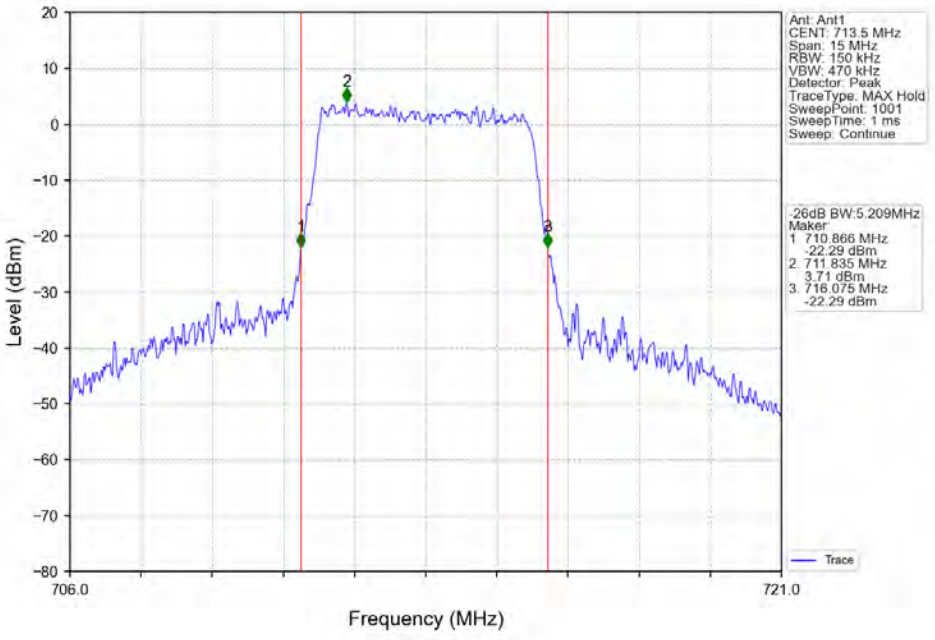
Band12_5MHz_256QAM_LCH_701.5MHz_RB_25_0_NTNV



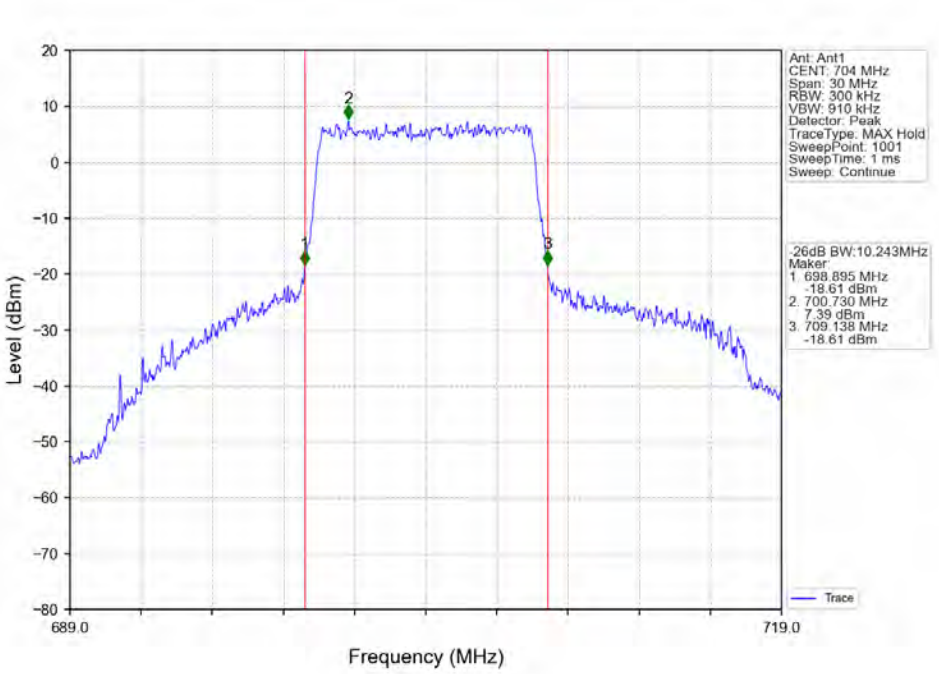
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



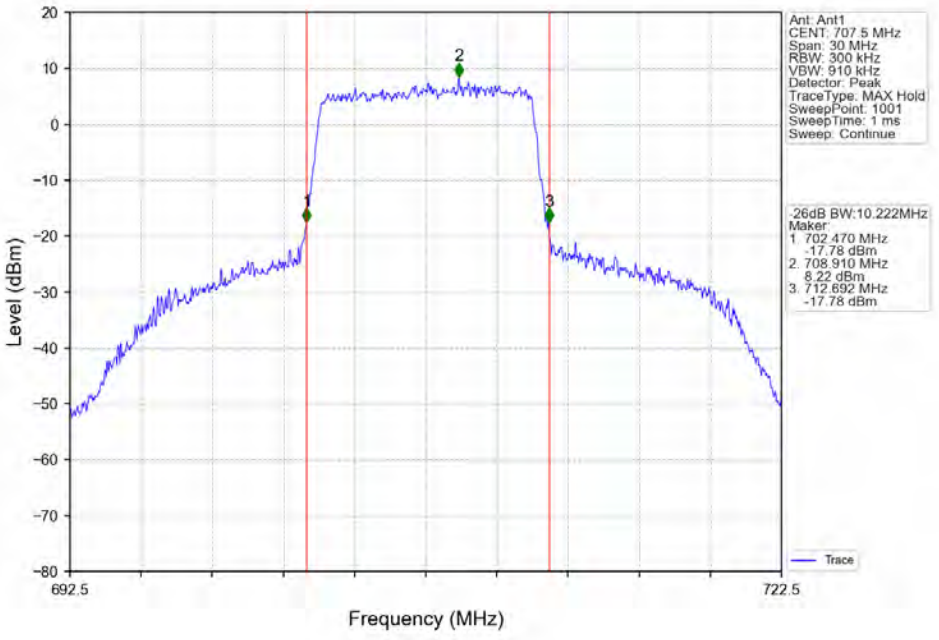
Band12_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



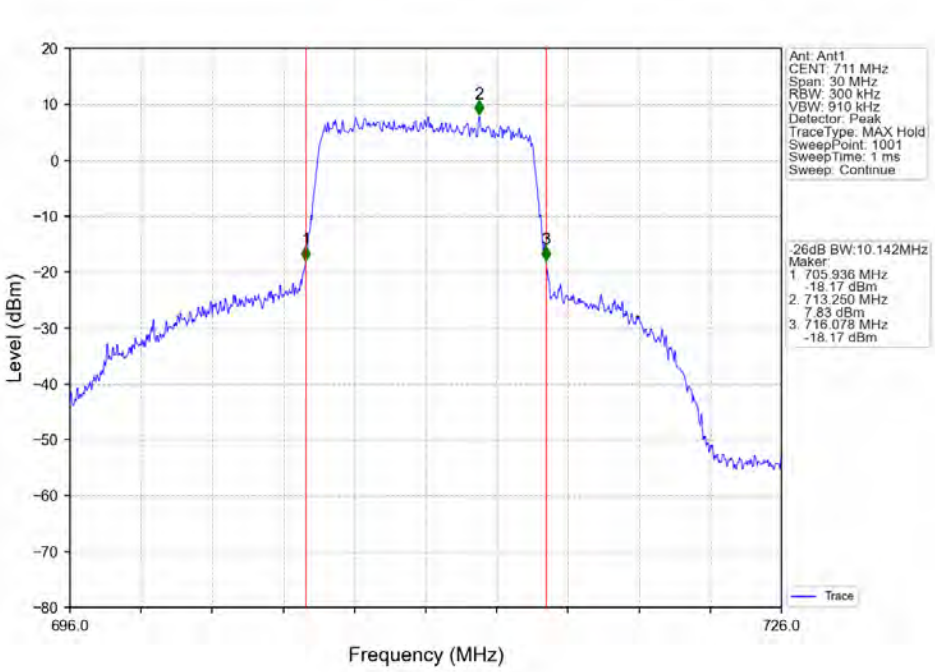
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



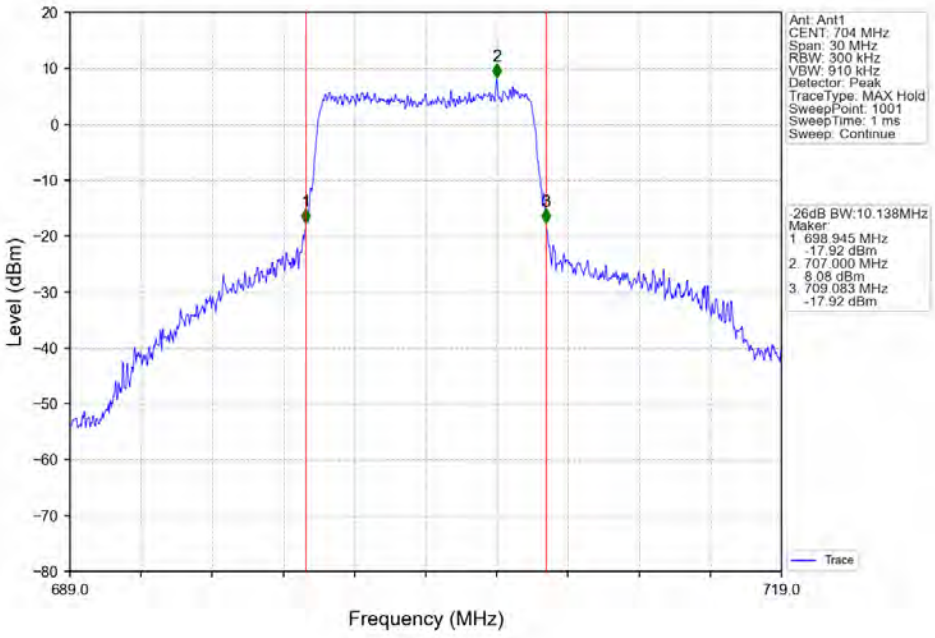
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



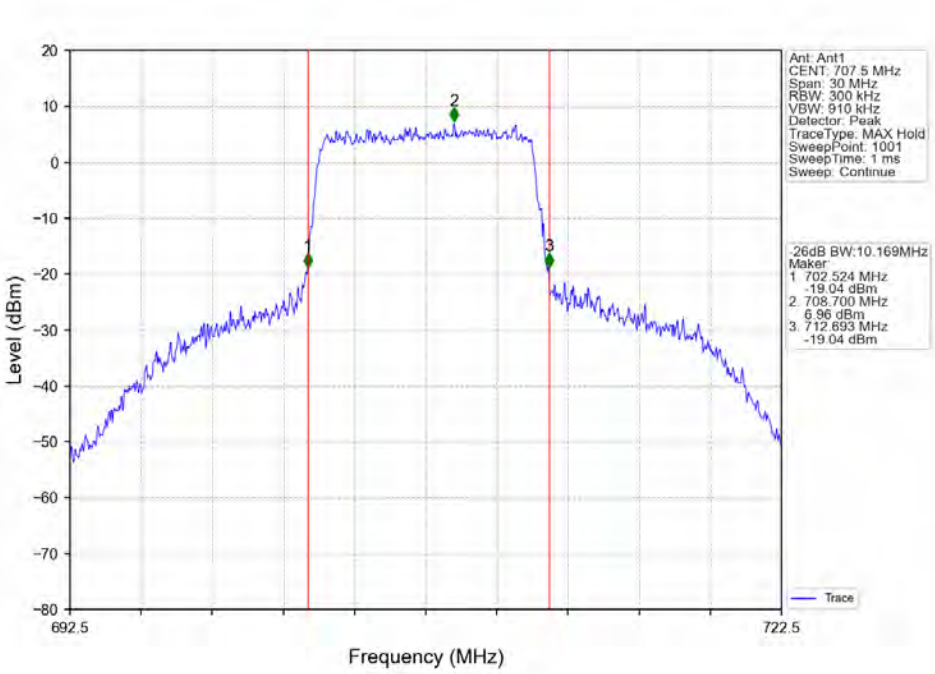
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



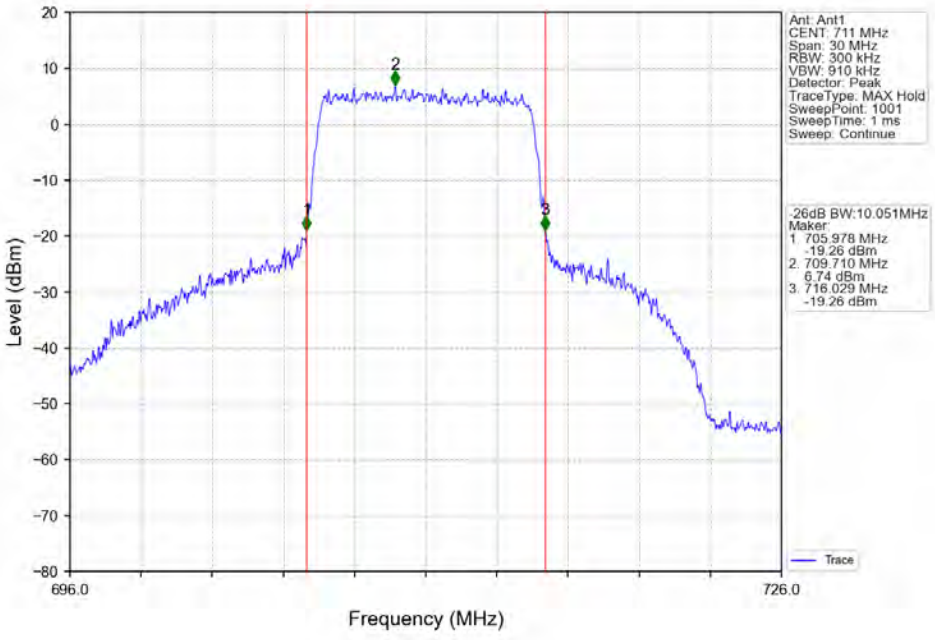
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



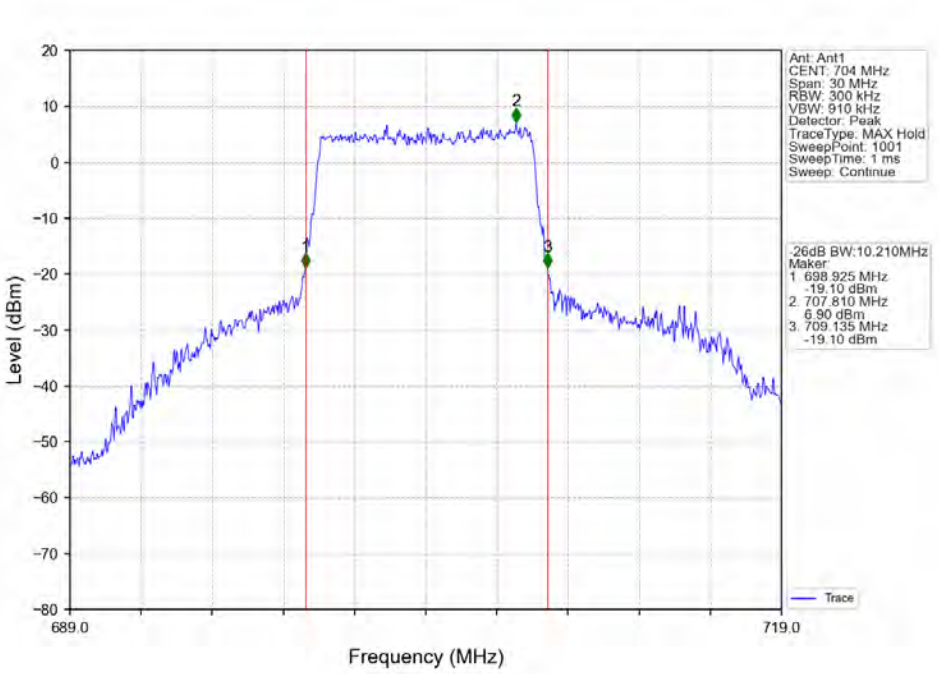
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



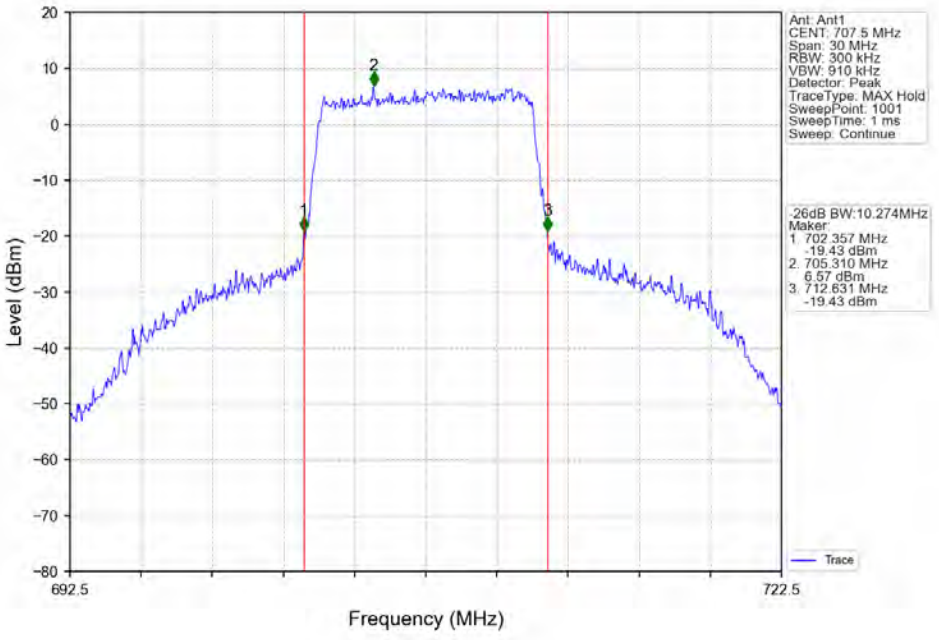
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



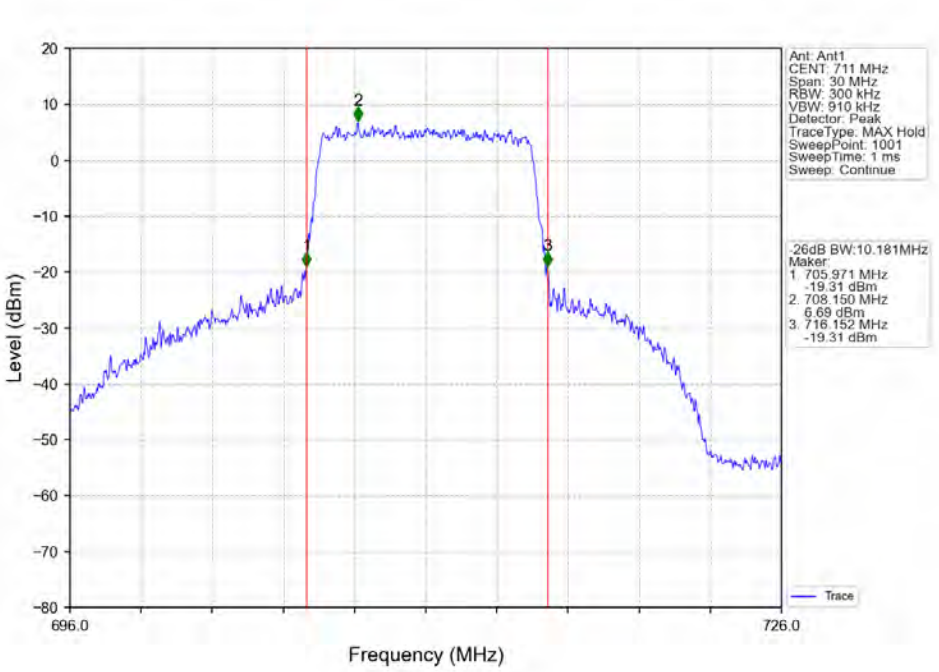
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



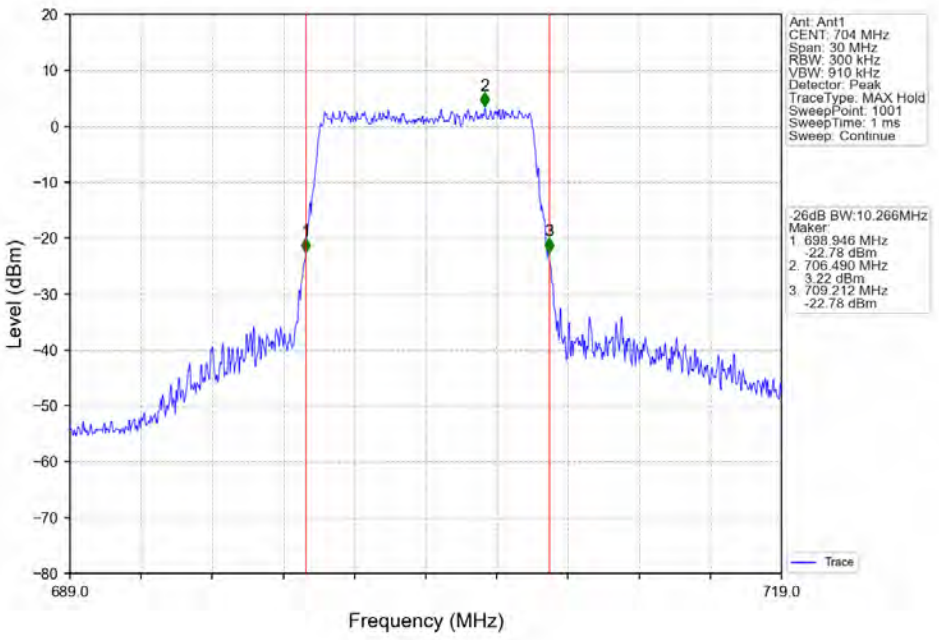
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV

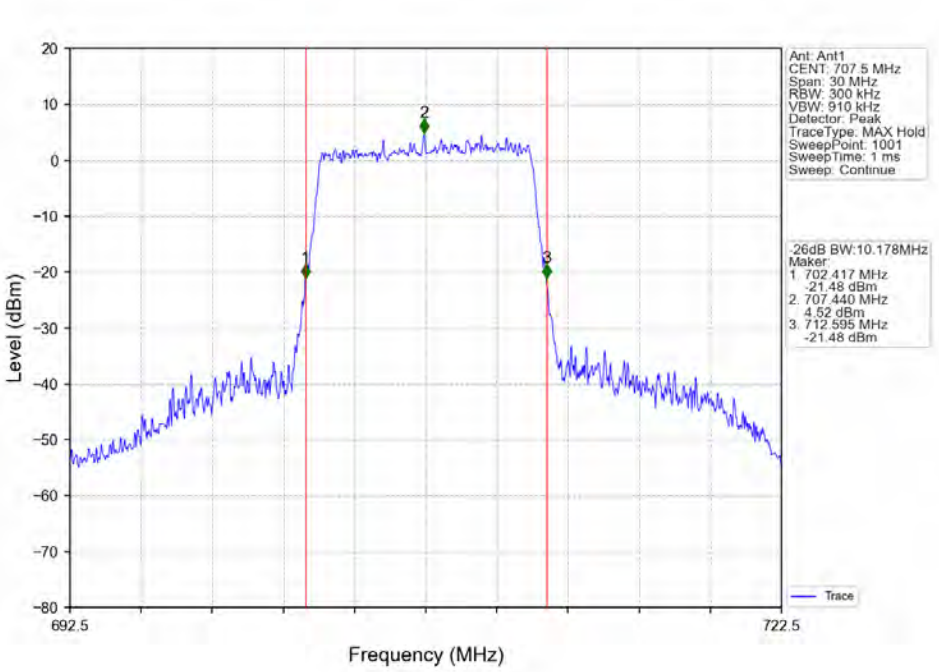


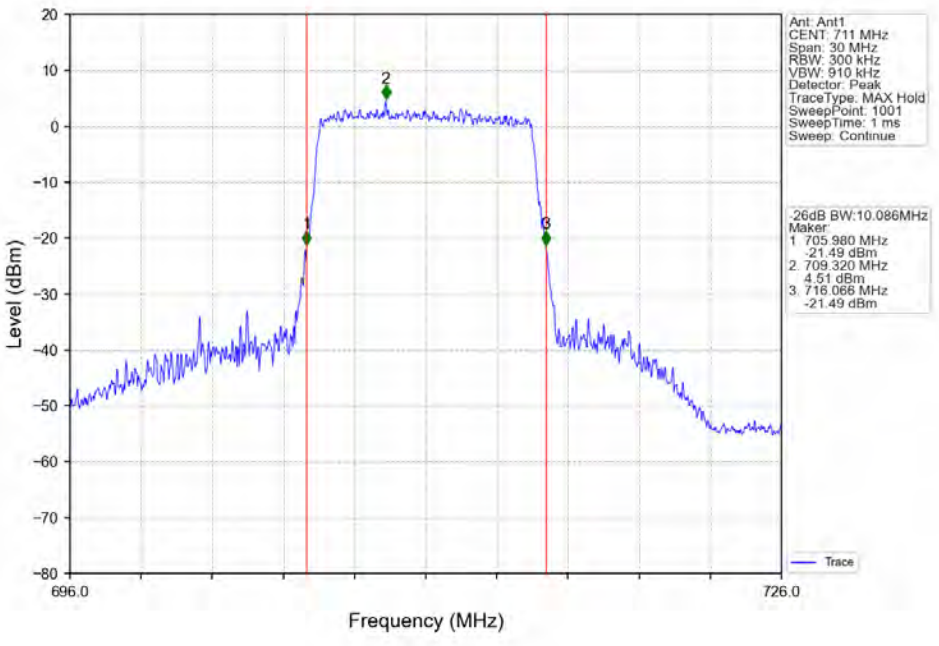
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV


Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV


4. Peak-Average Ratio

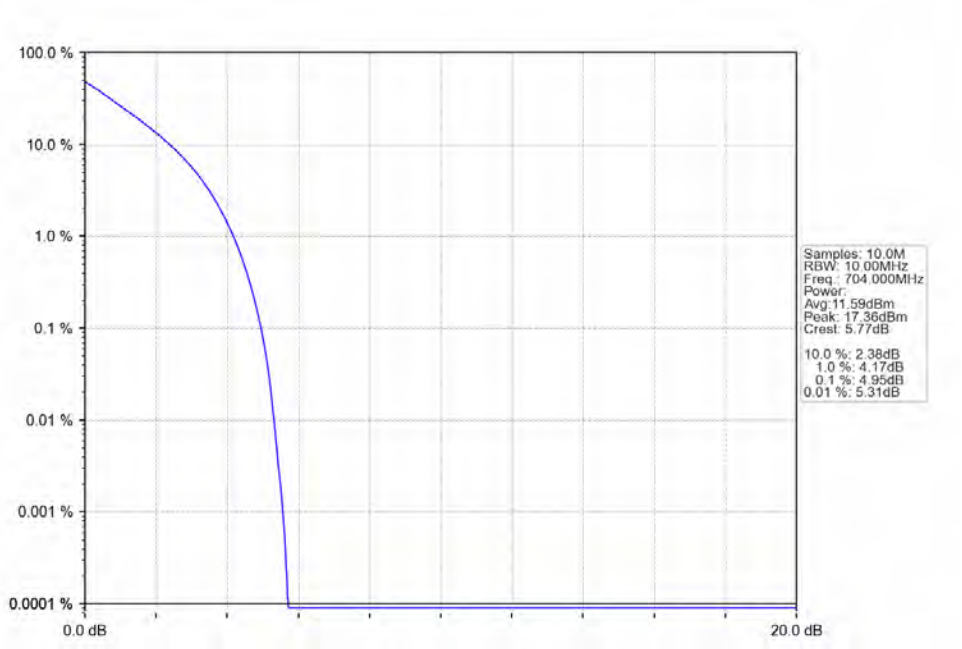
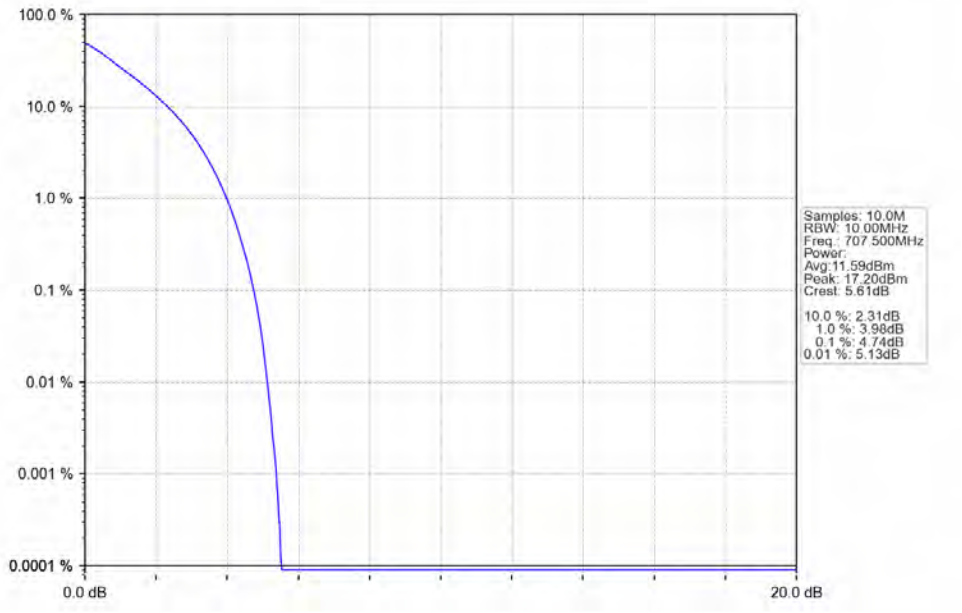
4.1 Test Result

4.1.1 B12_10MHz

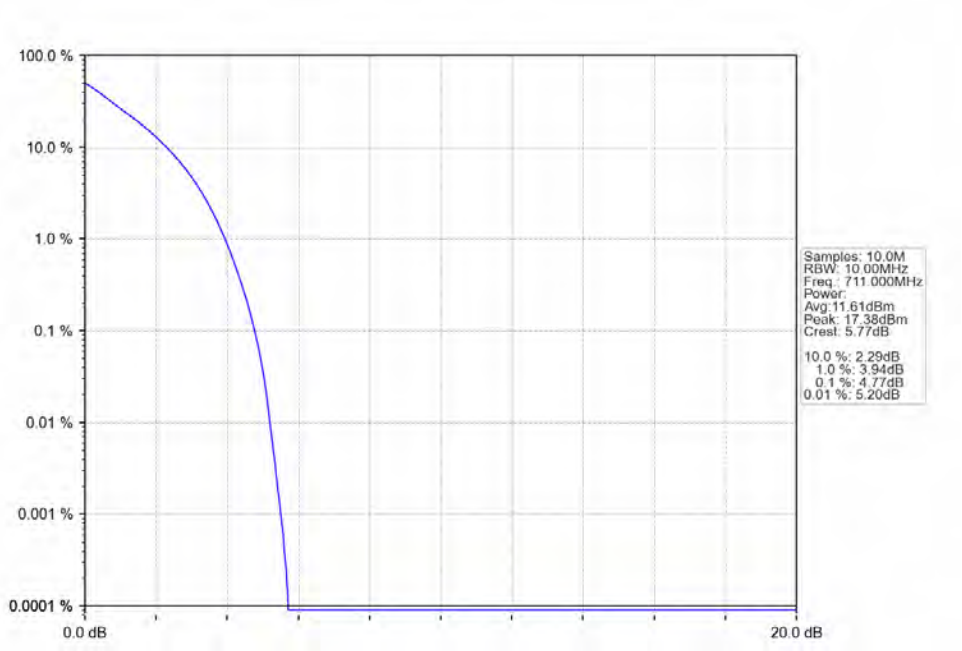
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.95	<=13	Pass
	707.5	50	0	4.74	<=13	Pass
	711	50	0	4.77	<=13	Pass
16QAM	704	50	0	5.71	<=13	Pass
	707.5	50	0	5.50	<=13	Pass
	711	50	0	5.44	<=13	Pass
64QAM	704	50	0	5.71	<=13	Pass
	707.5	50	0	5.49	<=13	Pass
	711	50	0	5.43	<=13	Pass
256QAM	704	50	0	6.63	<=13	Pass
	707.5	50	0	6.50	<=13	Pass
	711	50	0	6.42	<=13	Pass

4.2 Test Graph

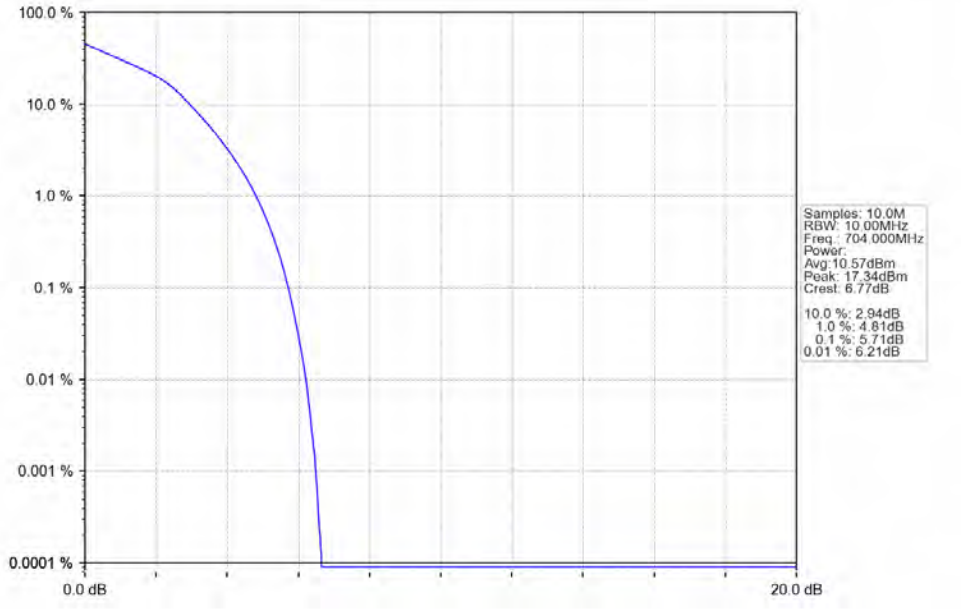
4.2.1 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


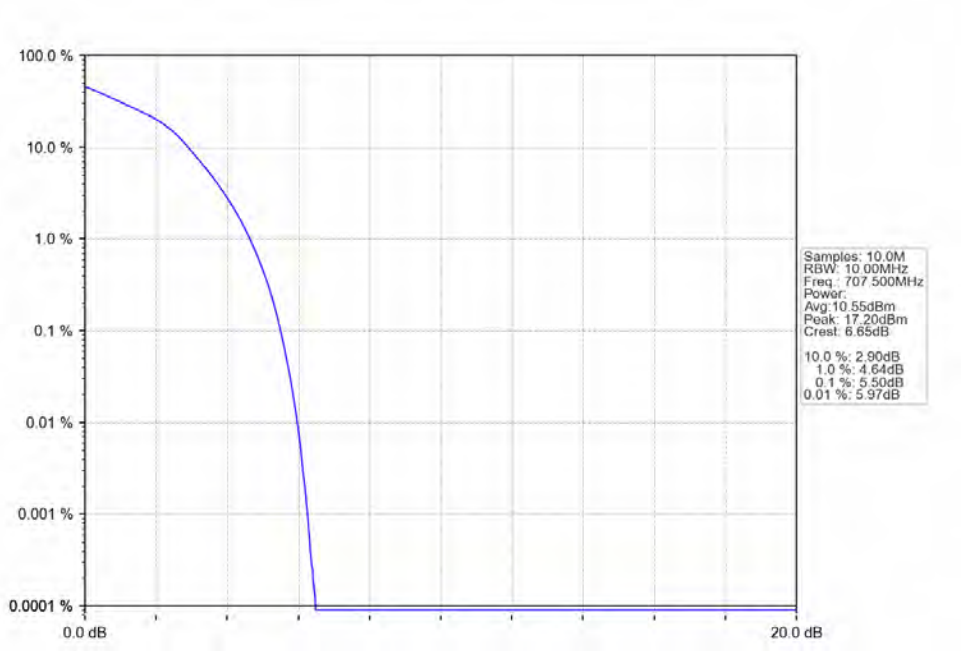
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



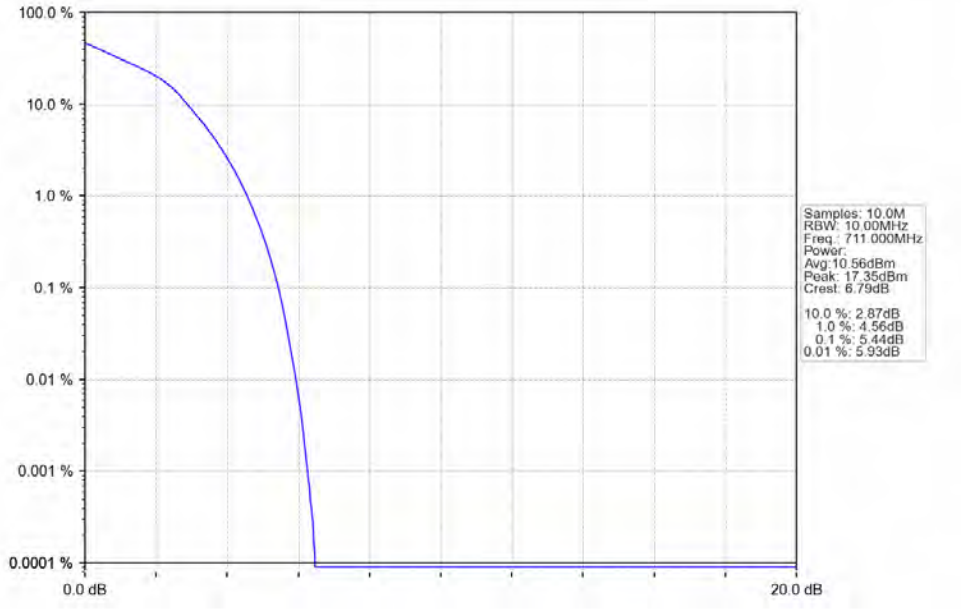
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



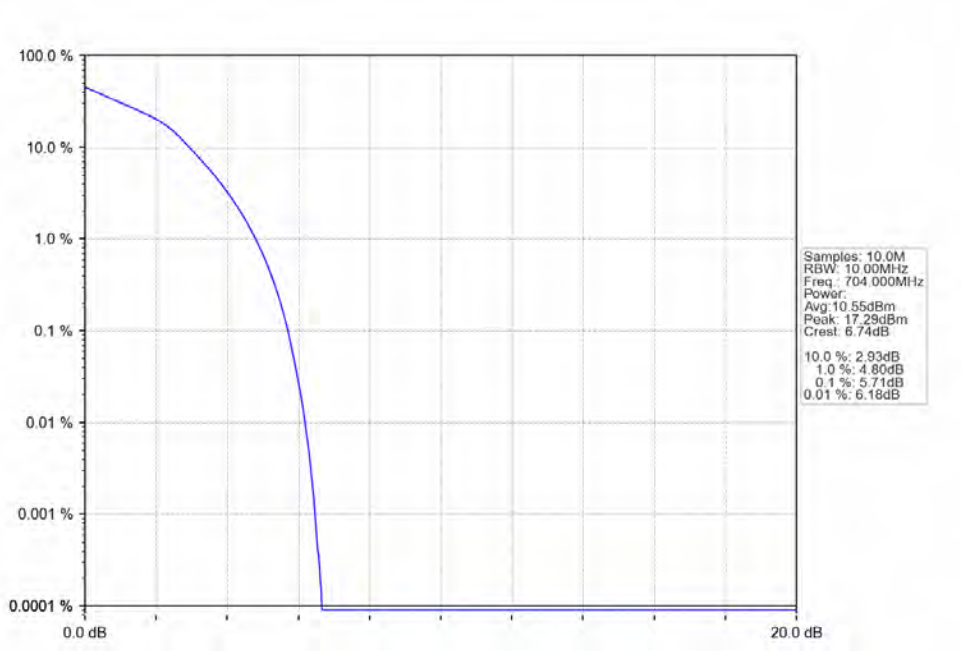
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



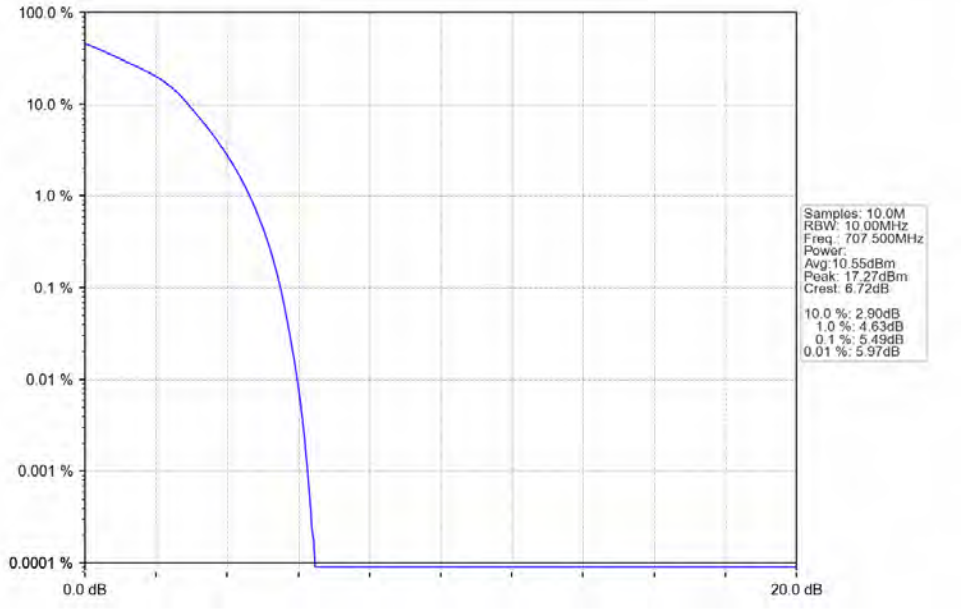
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



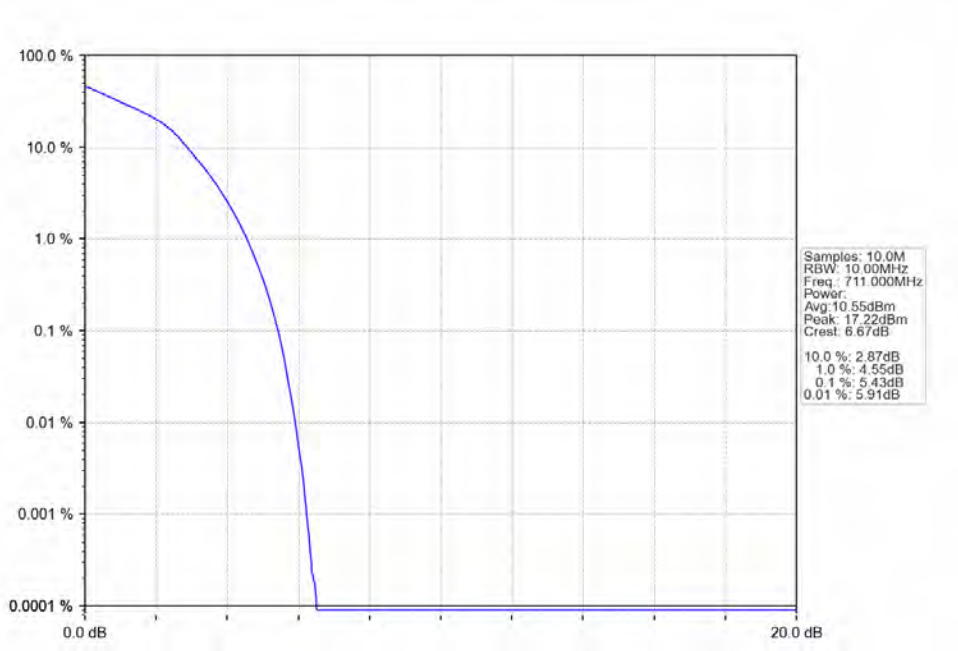
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



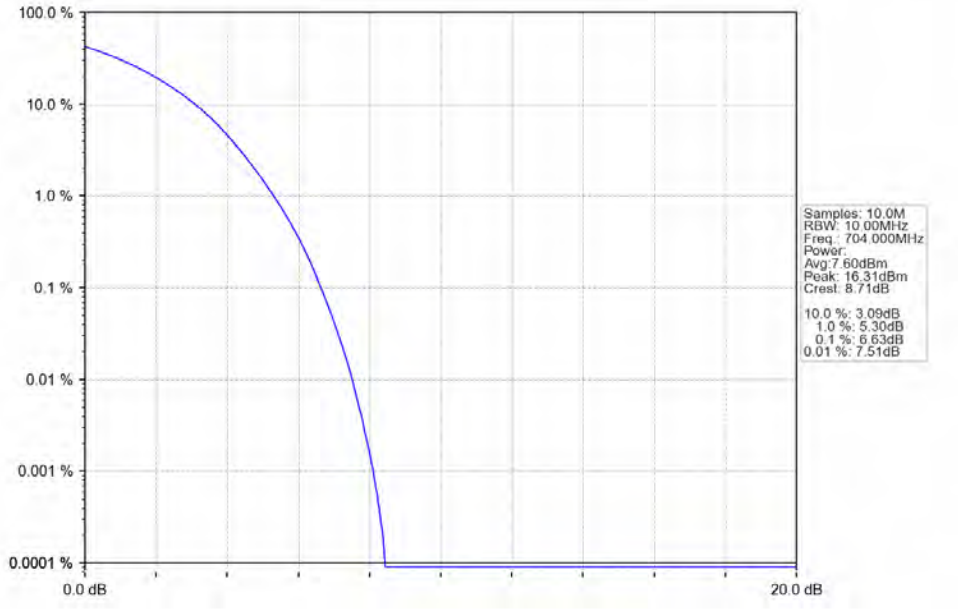
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



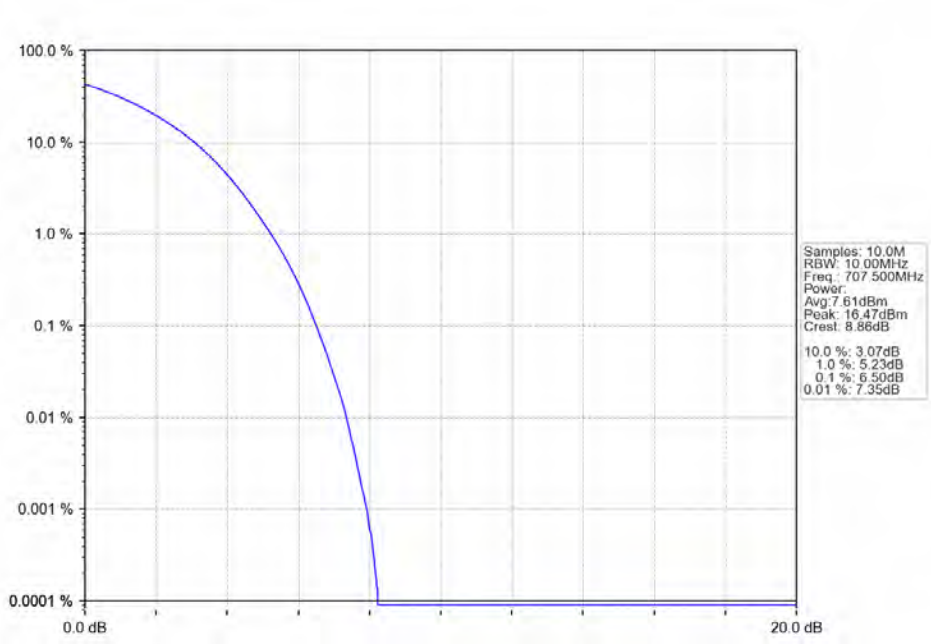
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



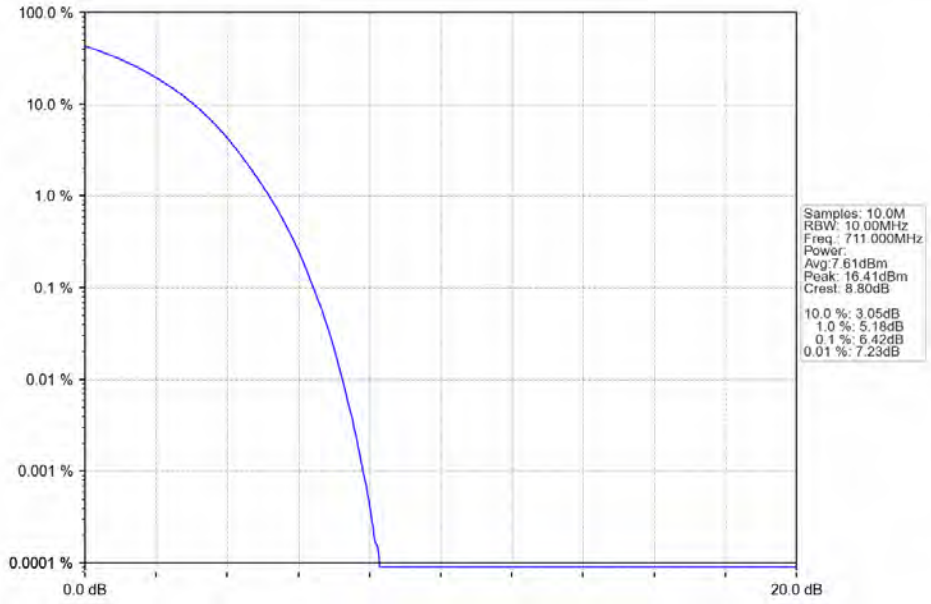
Band12_10MHz_256QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 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
	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 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
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 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
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

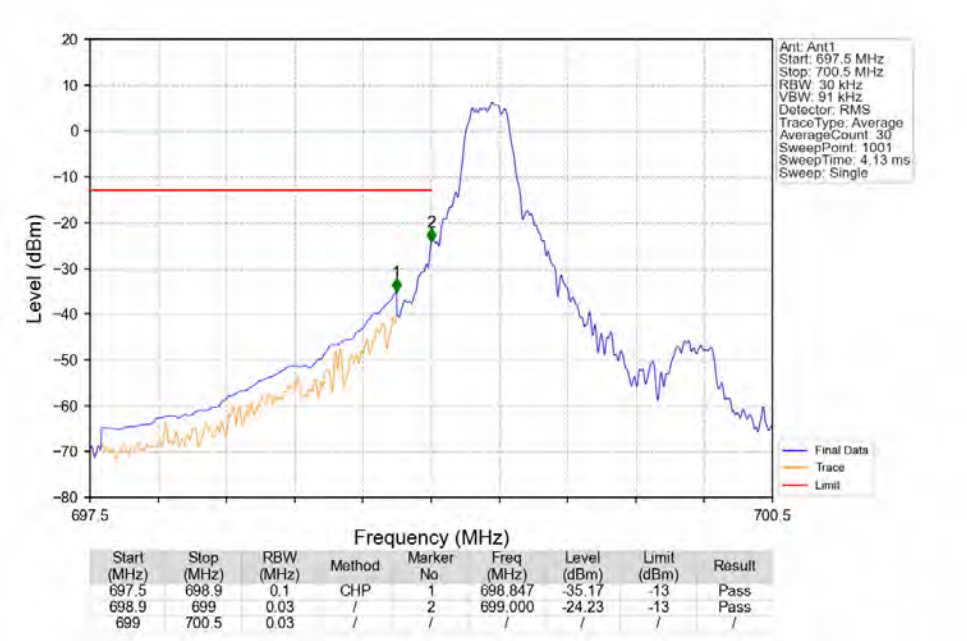
5.1.4 B12_10MHz

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

5.2 Test Graph

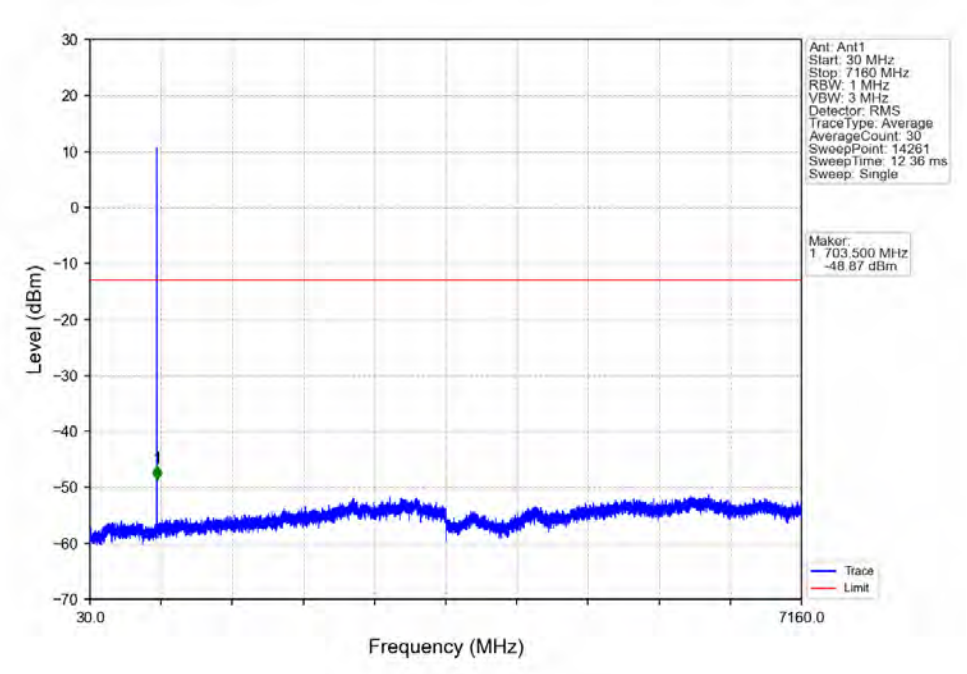
5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

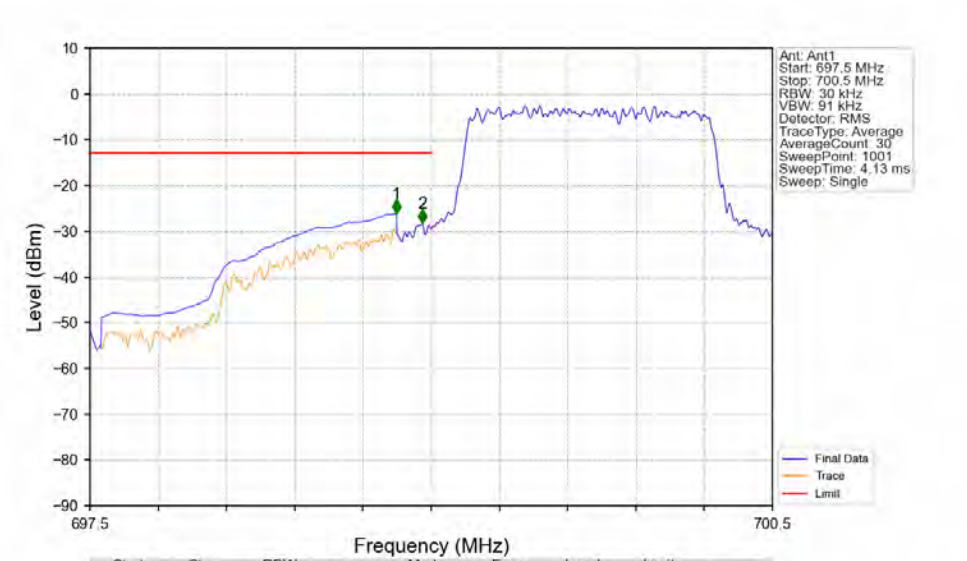


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-35.17	-13	Pass
698.9	699	0.03	/	2	699.000	-24.23	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

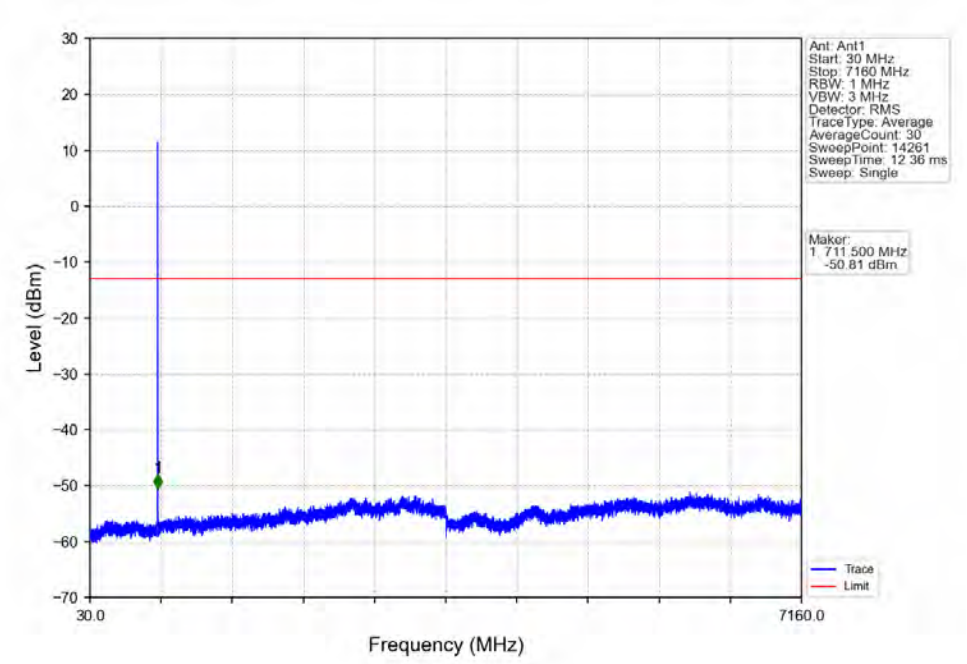


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

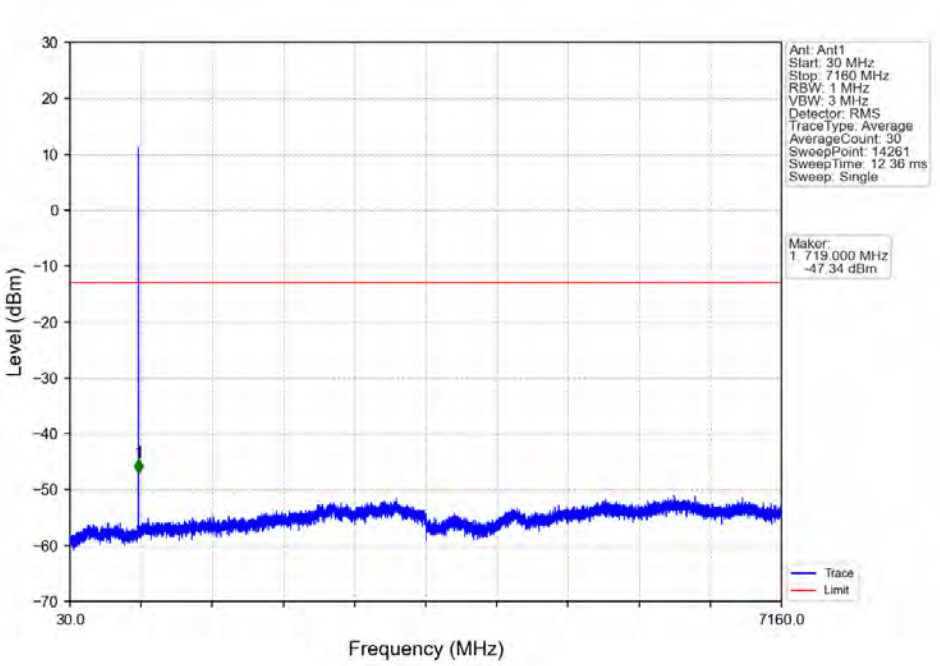


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-26.22	-13	Pass
698.9	699	0.03	/	2	698.961	-28.33	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

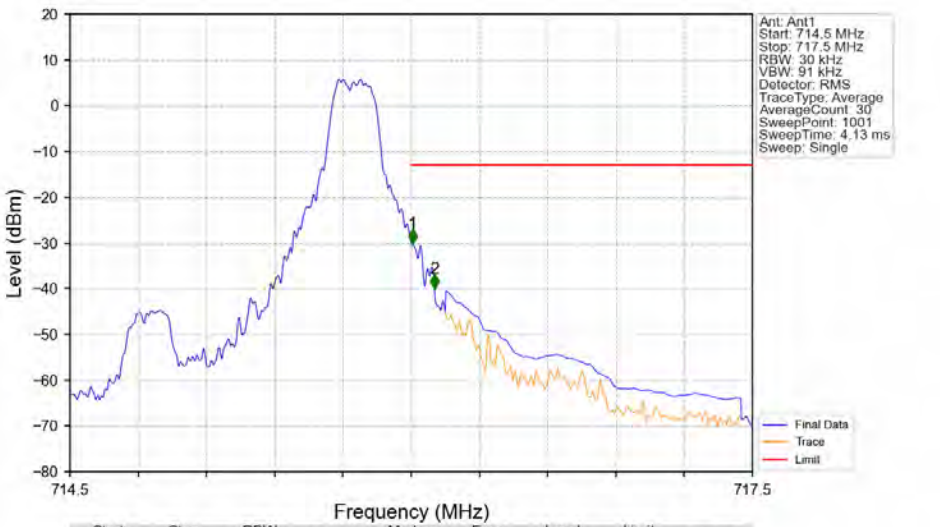
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

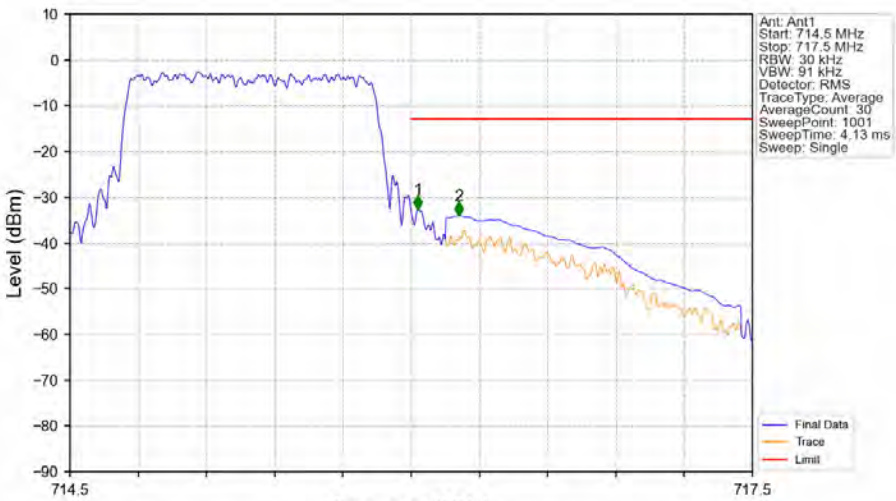


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	716.006	-30.10	-13	Pass
716.1	717.5	0.1	CHP	2	716.102	-39.94	-13	Pass

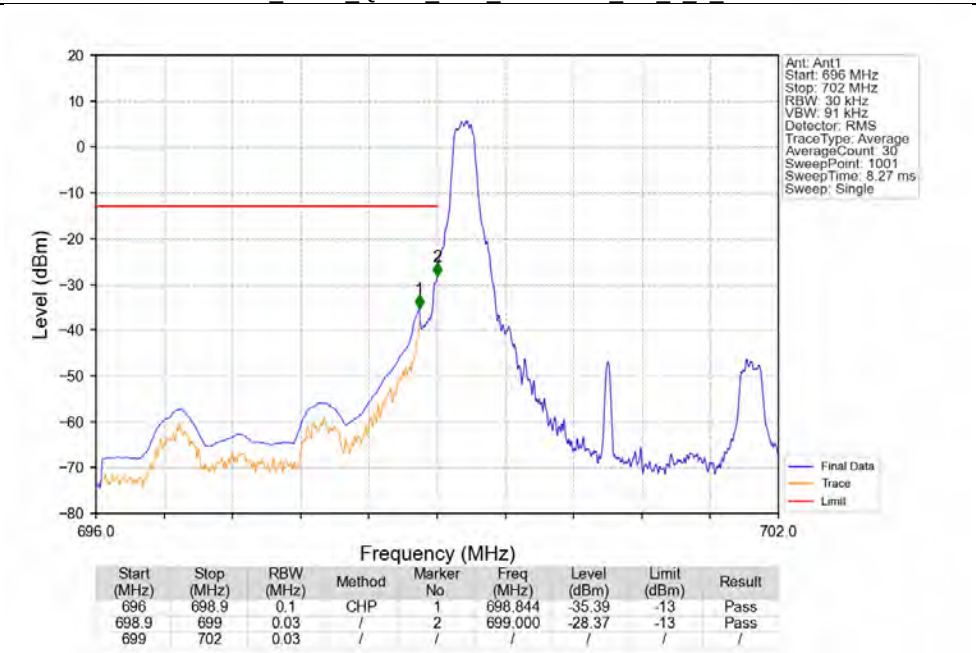
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



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	716.030	-32.70	-13	Pass
716.1	717.5	0.1	CHP	2	716.210	-34.08	-13	Pass

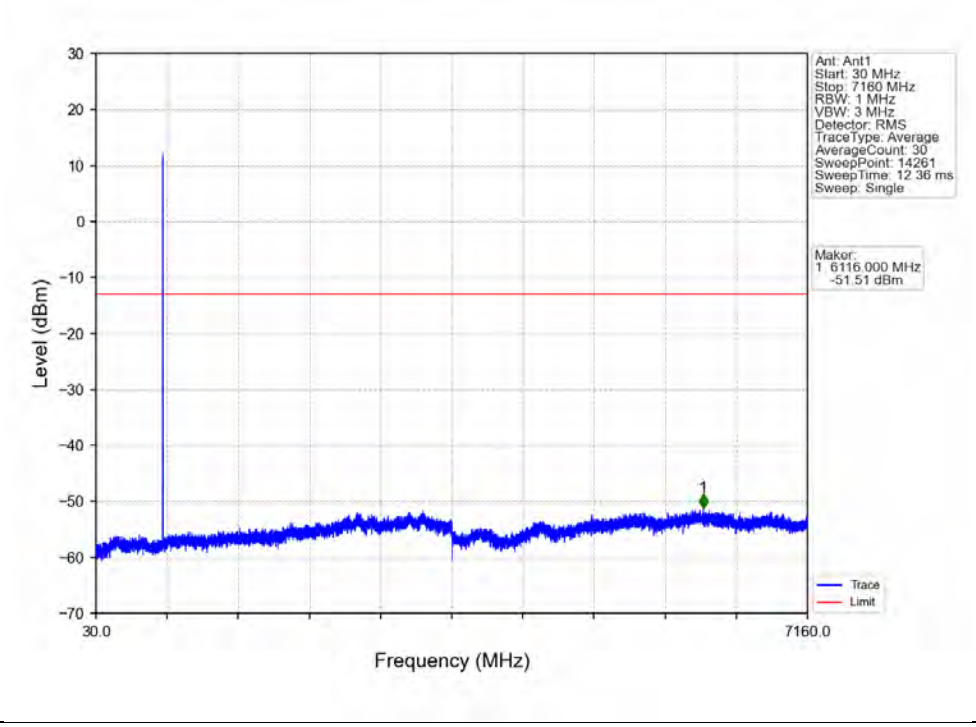
5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

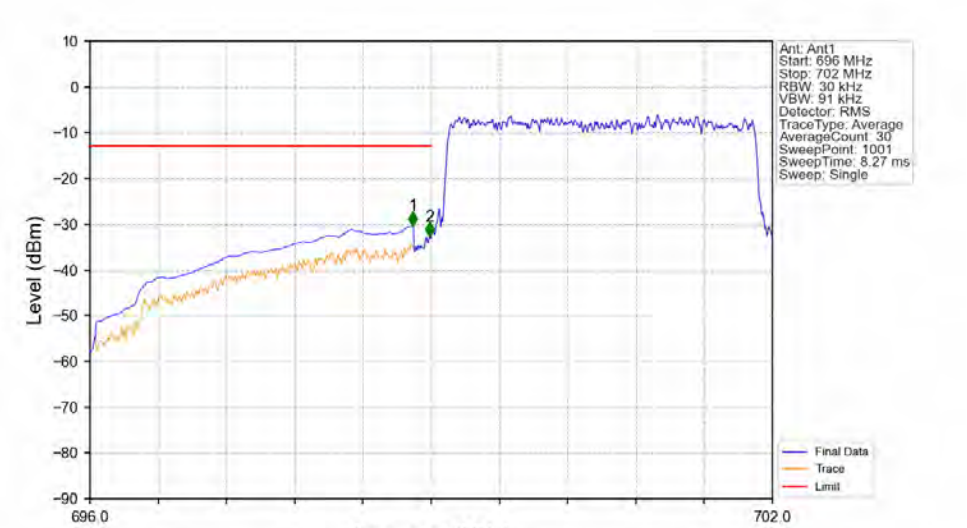


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-35.39	-13	Pass
698.9	699	0.03	/	2	699.000	-28.37	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

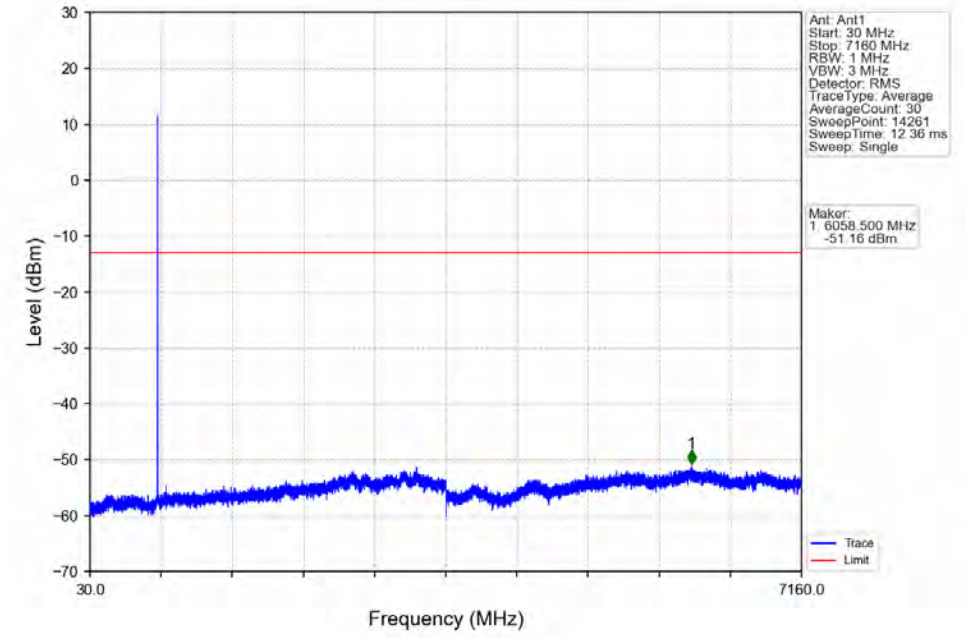


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

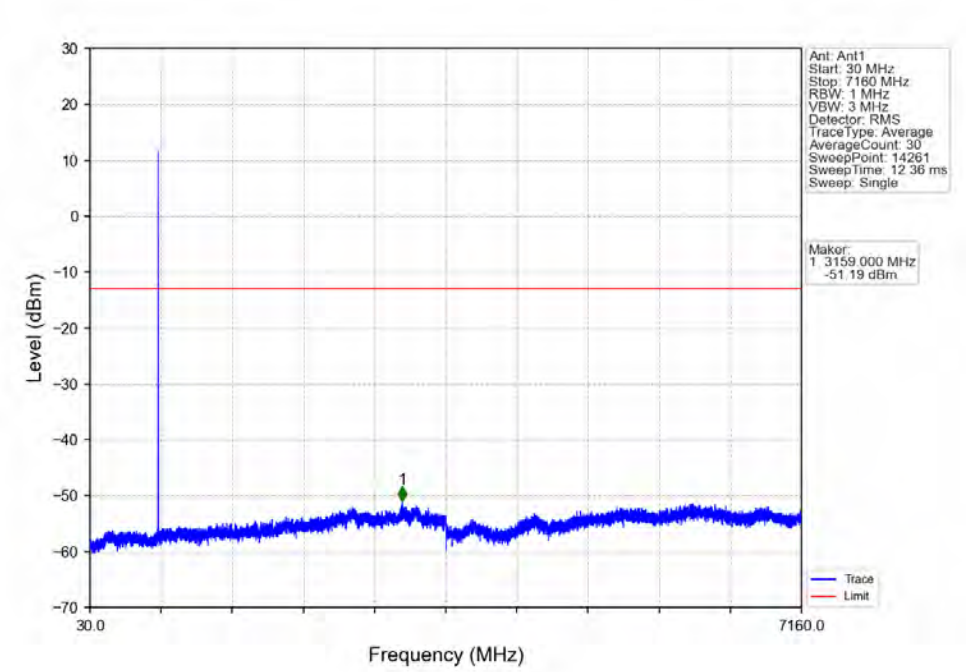


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.838	-30.33	-13	Pass
698.9	699	0.03	/	2	698.988	-32.70	-13	Pass
699	702	0.03	/	/	/	/	/	/

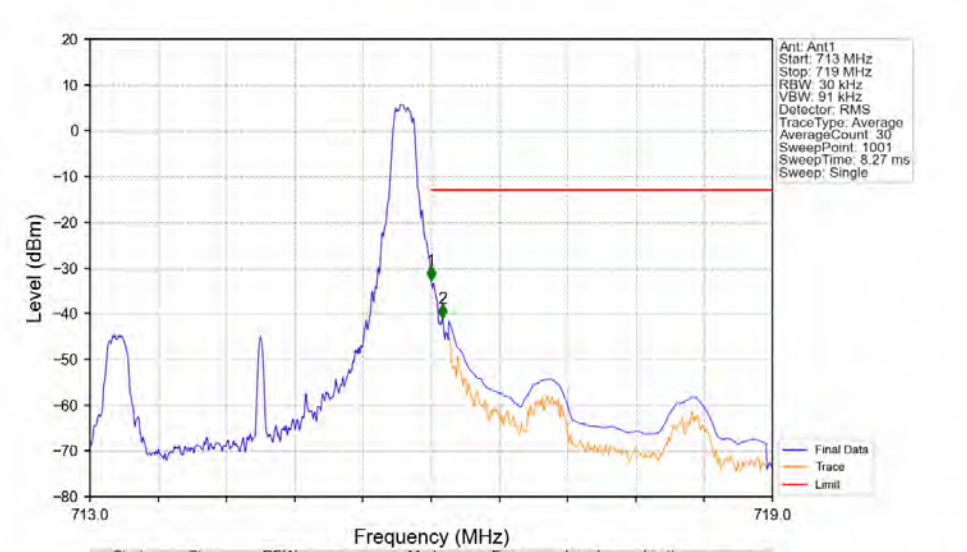
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

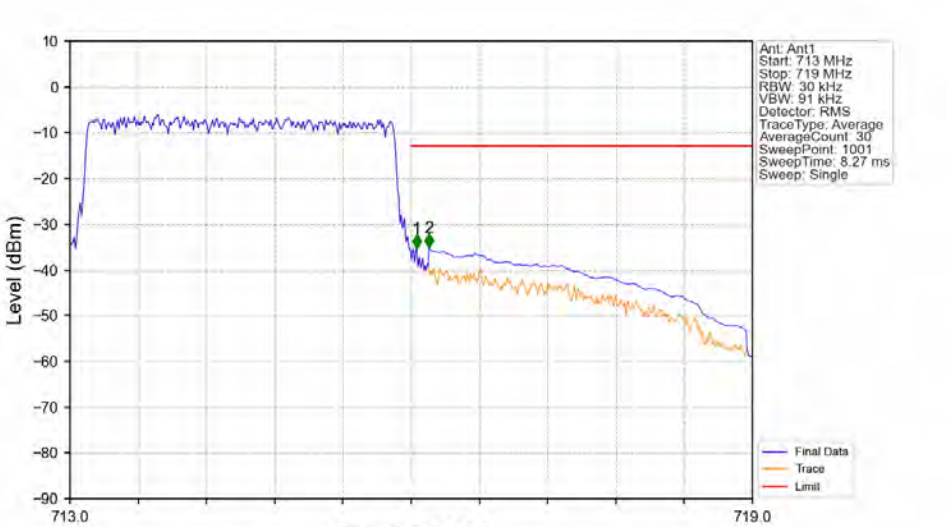


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	716.000	-32.68	-13	Pass
716.1	719	0.1	CHP	2	716.102	-41.09	-13	Pass

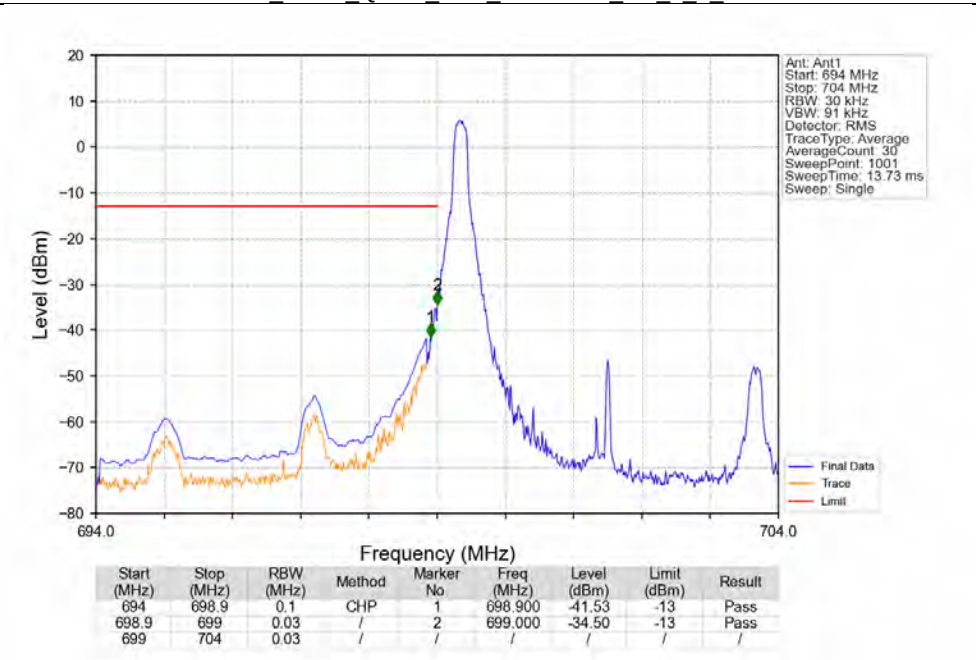
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	716.048	-35.33	-13	Pass
716.1	719	0.1	CHP	2	716.156	-35.18	-13	Pass

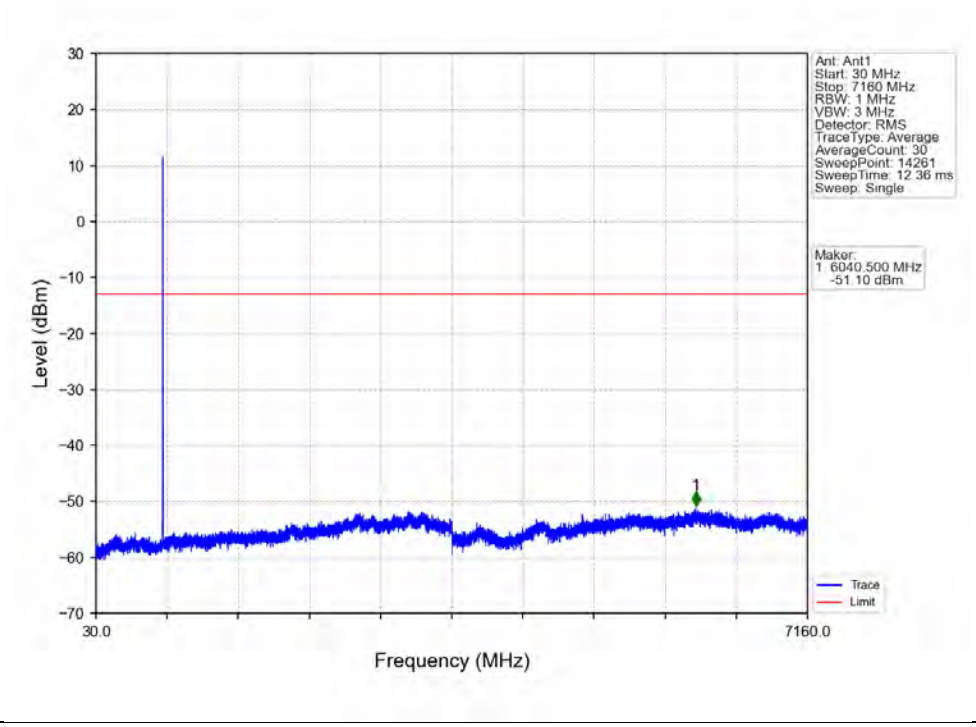
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

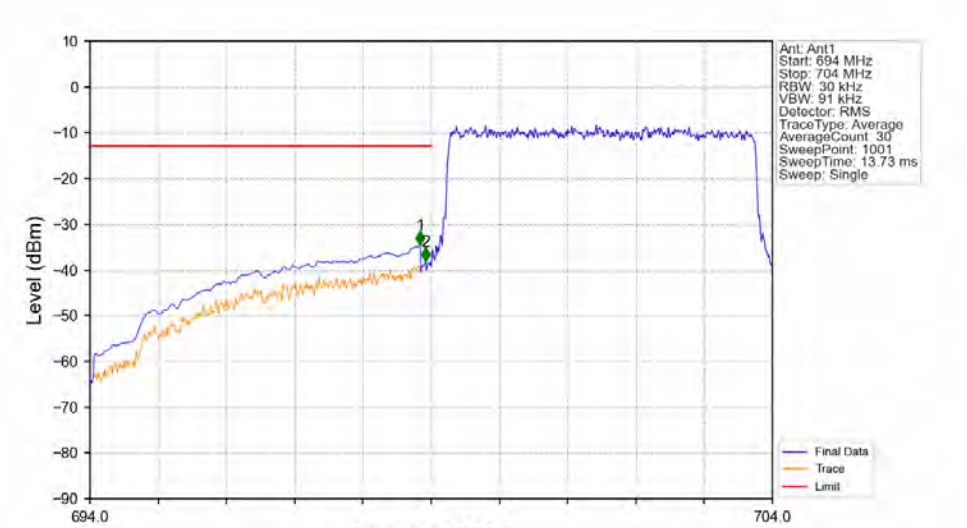


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-41.53	-13	Pass
698.9	699	0.03	/	2	699.000	-34.50	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

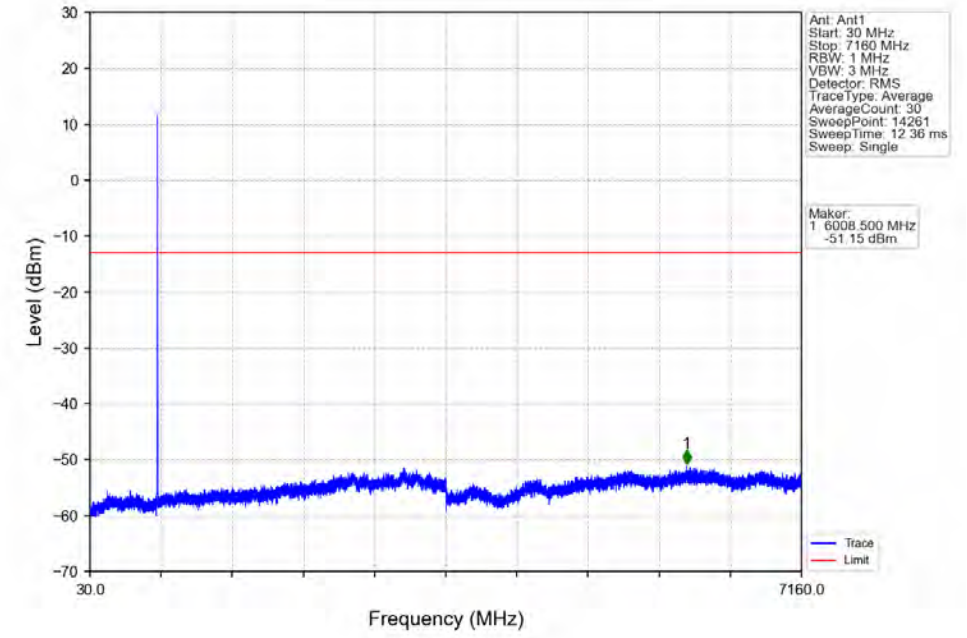


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

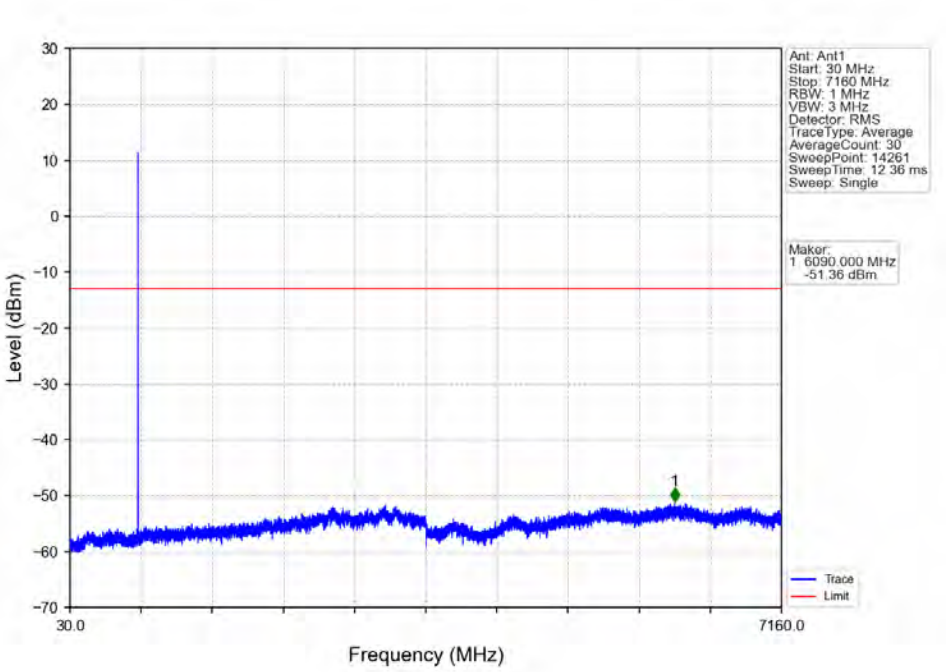


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.58	-13	Pass
698.9	699	0.03	/	2	698.920	-38.16	-13	Pass
699	704	0.03	/	/	/	/	/	/

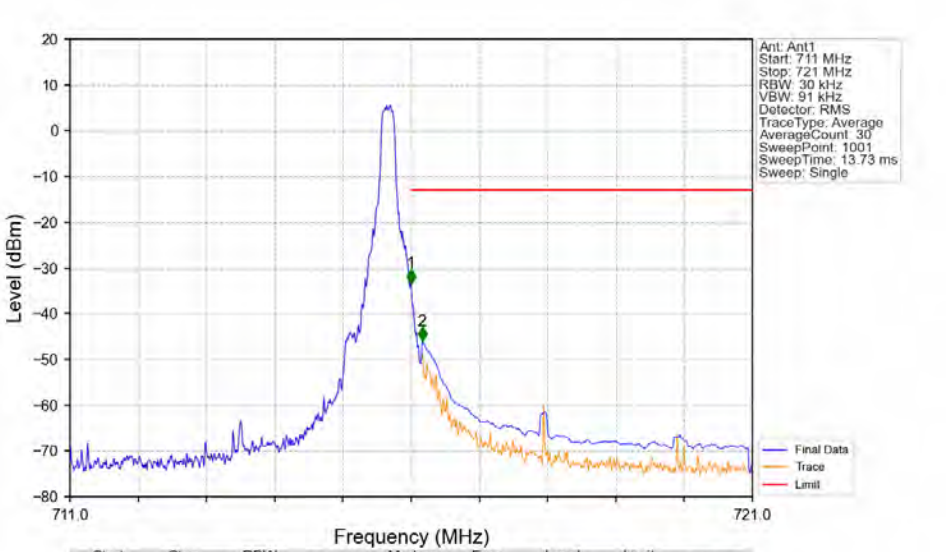
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

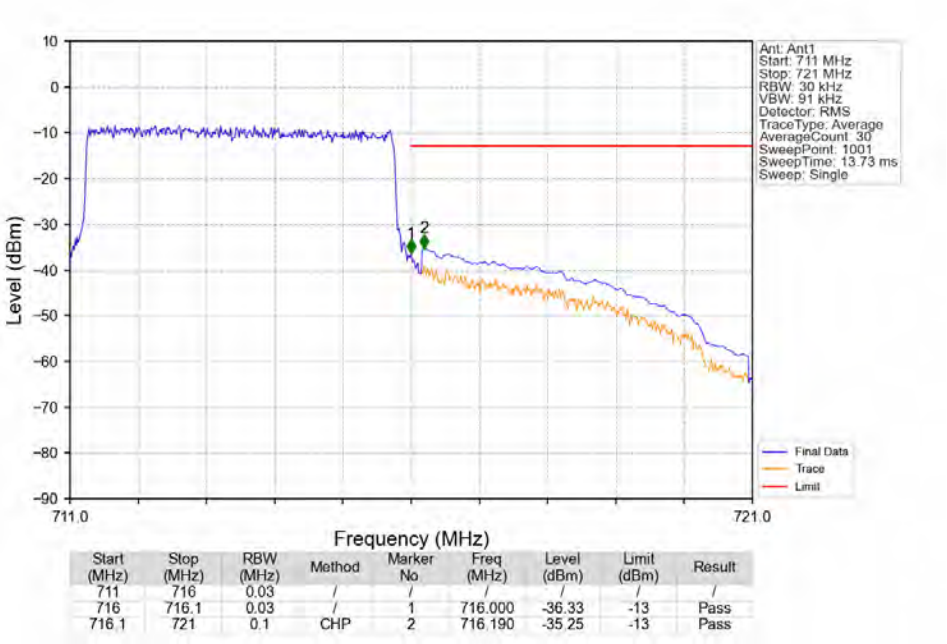


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



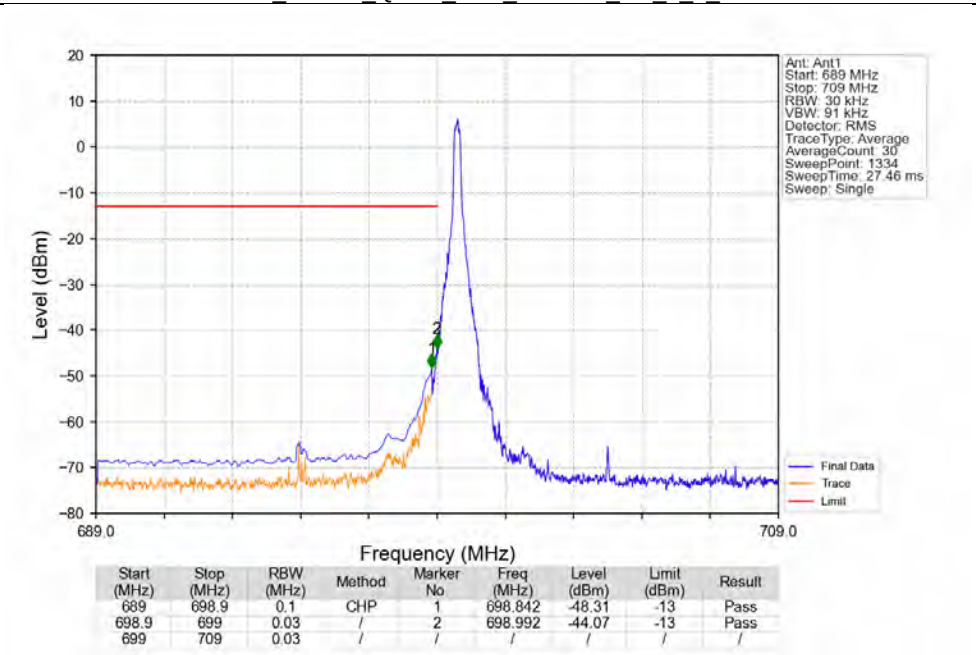
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-33.38	-13	Pass
716.1	721	0.1	CHP	2	716.160	-45.99	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

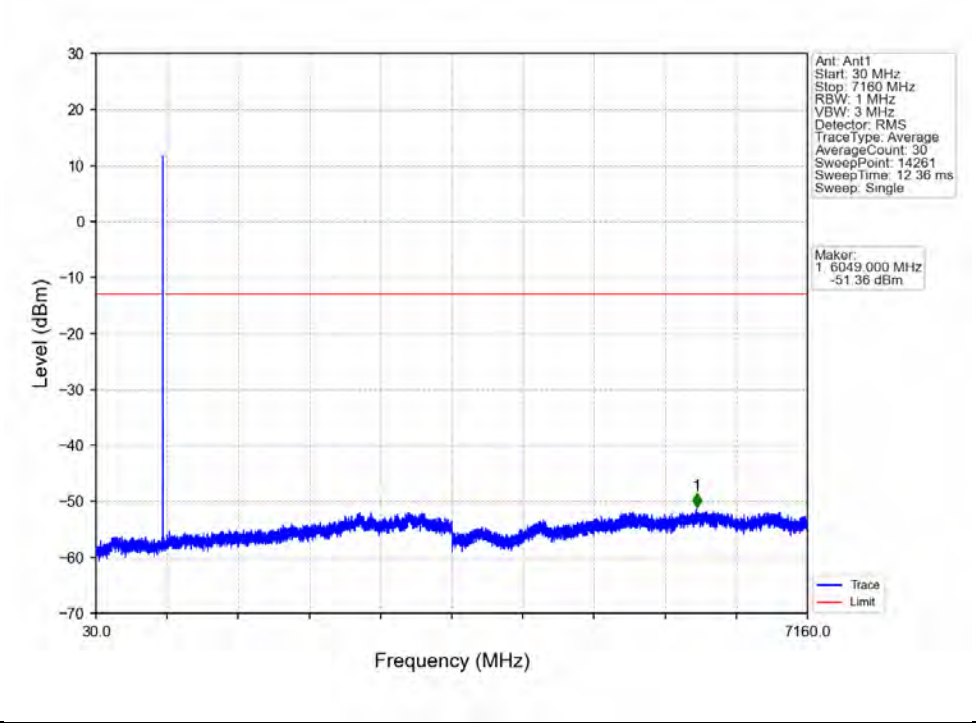


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-36.33	-13	Pass
716.1	721	0.1	CHP	2	716.190	-35.25	-13	Pass

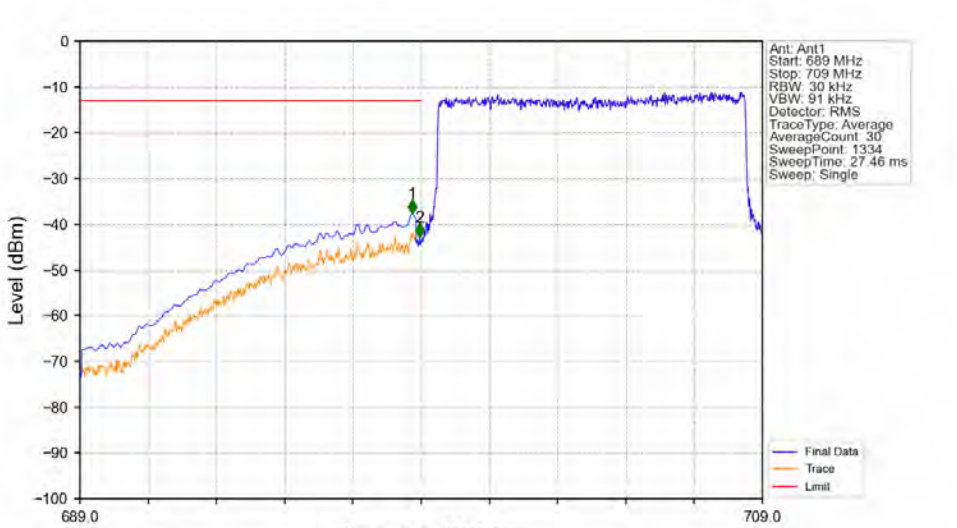
5.2.4 B12_10MHz

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	-48.31	-13	Pass
698.9	699	0.03	/	2	698.992	-44.07	-13	Pass
699	709	0.03	/	/	/	/	/	/

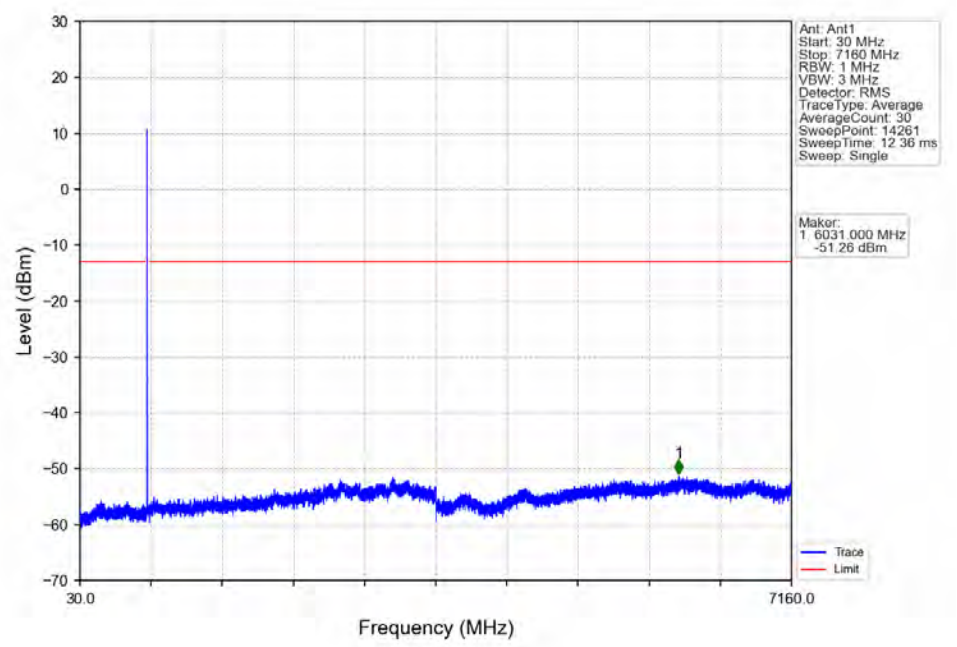
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

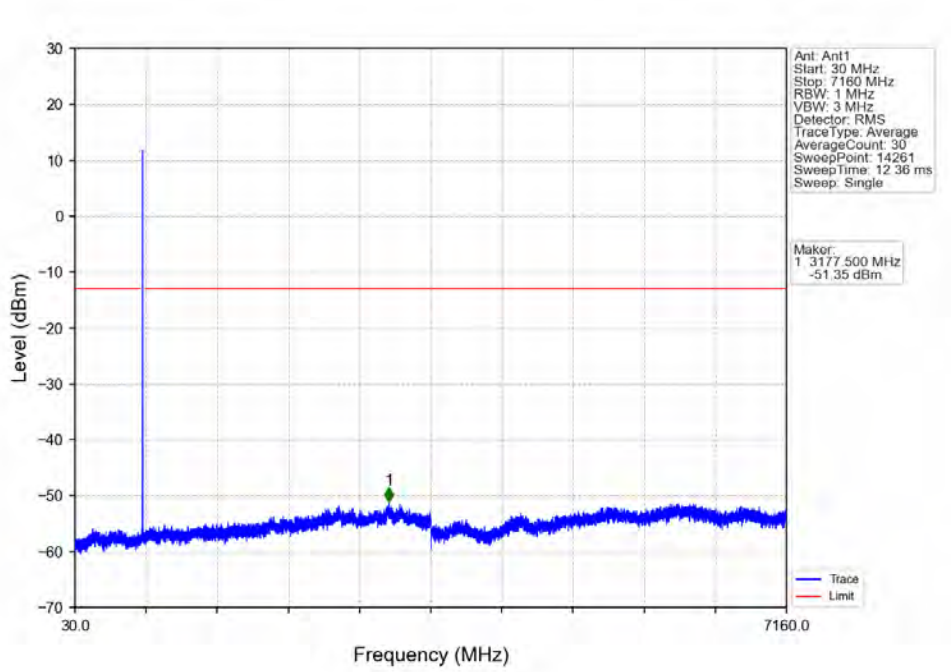


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.737	-37.77	-13	Pass
698.9	699	0.03	/	2	698.947	-42.86	-13	Pass
699	709	0.03	/	/	/	/	/	/

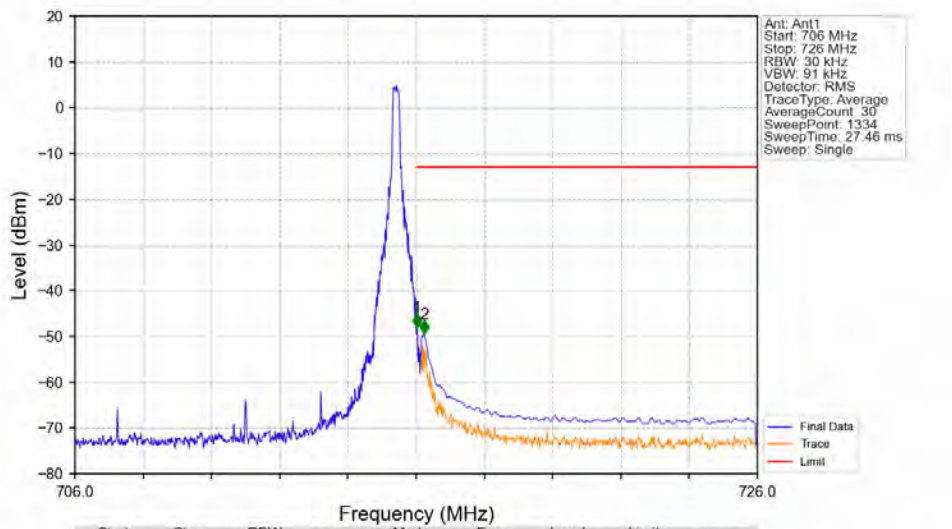
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

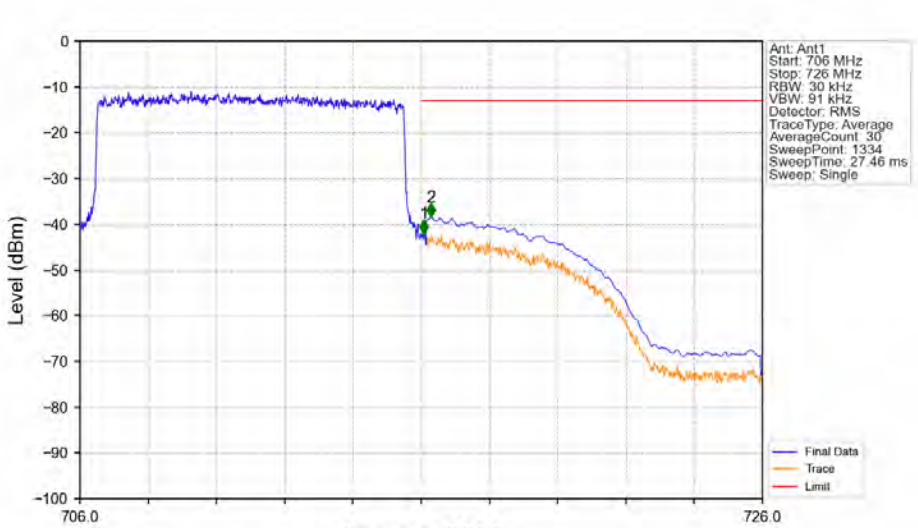


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	716.023	-48.06	-13	Pass
716.1	726	0.1	CHP	2	716.233	-49.54	-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	716.083	-42.07	-13	Pass
716.1	726	0.1	CHP	2	716.278	-38.41	-13	Pass

Field Strength of Spurious Radiation

LTE Band 12 ANT31-Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1399.0	-61.85	-13	-48.85	-64.62	2.47	5.24	Horizontal	Pass
2098.5	-69.62	-13	-56.62	-71.69	2.79	4.86	Horizontal	Pass
2798.0	-68.07	-13	-55.07	-71.43	3.12	6.48	Horizontal	Pass
1399.0	-62.18	-13	-49.18	-64.95	2.47	5.24	Vertical	Pass
2098.5	-69.24	-13	-56.24	-71.31	2.79	4.86	Vertical	Pass
2798.0	-68.29	-13	-55.29	-71.65	3.12	6.48	Vertical	Pass

LTE Band 12 ANT31-Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1406.0	-65.72	-13	-52.72	-68.52	2.48	5.28	Horizontal	Pass
2109.0	-69.99	-13	-56.99	-72.07	2.8	4.88	Horizontal	Pass
2812.0	-68.89	-13	-55.89	-72.28	3.12	6.51	Horizontal	Pass
1406.0	-70.63	-13	-57.63	-73.43	2.48	5.28	Vertical	Pass
2109.0	-70.01	-13	-57.01	-72.09	2.8	4.88	Vertical	Pass
2812.0	-68.64	-13	-55.64	-72.03	3.12	6.51	Vertical	Pass

LTE Band 12 ANT31-High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1413.0	-64.77	-13	-51.77	-67.61	2.49	5.33	Horizontal	Pass
2119.5	-69.79	-13	-56.79	-71.89	2.81	4.91	Horizontal	Pass
2826.0	-68.81	-13	-55.81	-72.22	3.13	6.54	Horizontal	Pass
1413.0	-70.12	-13	-57.12	-72.96	2.49	5.33	Vertical	Pass
2119.5	-70.14	-13	-57.14	-72.24	2.81	4.91	Vertical	Pass
2826.0	-68.58	-13	-55.58	-71.99	3.13	6.54	Vertical	Pass

Remark:

1) The field strength is calculated by adding the S.G.Power, Antenna Gain & Cable Loss. The basic equation with a sample calculation is as follows:
   EIRP=S.G.Power+Antenna Gain-Cable Loss
   Over Limit=Limit-EIRP
2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---