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	23.25	-1.47	19.63	<=34.77	Pass
			2	22.95	-1.47	19.33	<=34.77	Pass
			5	22.89	-1.47	19.27	<=34.77	Pass
		3	0	23.13	-1.47	19.51	<=34.77	Pass
			2	23.05	-1.47	19.43	<=34.77	Pass
			3	23.11	-1.47	19.49	<=34.77	Pass
		6	0	22.09	-1.47	18.47	<=34.77	Pass
	707.5	1	0	23.21	-1.47	19.59	<=34.77	Pass
			2	23.42	-1.47	19.80	<=34.77	Pass
			5	23.25	-1.47	19.63	<=34.77	Pass
		3	0	23.15	-1.47	19.53	<=34.77	Pass
			2	23.29	-1.47	19.67	<=34.77	Pass
			3	23.24	-1.47	19.62	<=34.77	Pass
		6	0	22.25	-1.47	18.63	<=34.77	Pass
	715.3	1	0	23.21	-1.47	19.59	<=34.77	Pass
			2	23.64	-1.47	20.02	<=34.77	Pass
			5	23.15	-1.47	19.53	<=34.77	Pass
		3	0	23.17	-1.47	19.55	<=34.77	Pass
			2	23.24	-1.47	19.62	<=34.77	Pass
			3	23.23	-1.47	19.61	<=34.77	Pass
		6	0	22.23	-1.47	18.61	<=34.77	Pass
16QAM	699.7	1	0	22.49	-1.47	18.87	<=34.77	Pass
			2	22.76	-1.47	19.14	<=34.77	Pass
			5	22.57	-1.47	18.95	<=34.77	Pass
		3	0	22.05	-1.47	18.43	<=34.77	Pass
			2	22.09	-1.47	18.47	<=34.77	Pass
			3	22.07	-1.47	18.45	<=34.77	Pass
		6	0	21.02	-1.47	17.40	<=34.77	Pass
	707.5	1	0	22.01	-1.47	18.39	<=34.77	Pass
			2	22.65	-1.47	19.03	<=34.77	Pass
			5	22.23	-1.47	18.61	<=34.77	Pass
		3	0	22.54	-1.47	18.92	<=34.77	Pass
			2	22.56	-1.47	18.94	<=34.77	Pass
			3	22.25	-1.47	18.63	<=34.77	Pass
		6	0	21.31	-1.47	17.69	<=34.77	Pass
	715.3	1	0	22.38	-1.47	18.76	<=34.77	Pass
			2	22.74	-1.47	19.12	<=34.77	Pass
			5	22.29	-1.47	18.67	<=34.77	Pass
		3	0	21.87	-1.47	18.25	<=34.77	Pass
			2	22.09	-1.47	18.47	<=34.77	Pass
			3	22.09	-1.47	18.47	<=34.77	Pass
		6	0	21.26	-1.47	17.64	<=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	23.12	-1.47	19.50	<=34.77	Pass
			7	23.17	-1.47	19.55	<=34.77	Pass
			14	23.01	-1.47	19.39	<=34.77	Pass
		8	0	22.11	-1.47	18.49	<=34.77	Pass
			4	22.07	-1.47	18.45	<=34.77	Pass
			7	21.99	-1.47	18.37	<=34.77	Pass
		15	0	22.10	-1.47	18.48	<=34.77	Pass
	707.5	1	0	23.13	-1.47	19.51	<=34.77	Pass
			7	23.45	-1.47	19.83	<=34.77	Pass
			14	23.14	-1.47	19.52	<=34.77	Pass
		8	0	22.21	-1.47	18.59	<=34.77	Pass
			4	22.29	-1.47	18.67	<=34.77	Pass
			7	22.23	-1.47	18.61	<=34.77	Pass
		15	0	22.31	-1.47	18.69	<=34.77	Pass
	714.5	1	0	23.33	-1.47	19.71	<=34.77	Pass
			7	23.27	-1.47	19.65	<=34.77	Pass
			14	23.30	-1.47	19.68	<=34.77	Pass
		8	0	22.08	-1.47	18.46	<=34.77	Pass
			4	22.33	-1.47	18.71	<=34.77	Pass
			7	22.19	-1.47	18.57	<=34.77	Pass
		15	0	22.15	-1.47	18.53	<=34.77	Pass
16QAM	700.5	1	0	22.58	-1.47	18.96	<=34.77	Pass
			7	22.65	-1.47	19.03	<=34.77	Pass
			14	22.50	-1.47	18.88	<=34.77	Pass
		8	0	21.16	-1.47	17.54	<=34.77	Pass
			4	21.16	-1.47	17.54	<=34.77	Pass
			7	21.01	-1.47	17.39	<=34.77	Pass
		15	0	21.19	-1.47	17.57	<=34.77	Pass
	707.5	1	0	21.84	-1.47	18.22	<=34.77	Pass
			7	22.60	-1.47	18.98	<=34.77	Pass
			14	22.69	-1.47	19.07	<=34.77	Pass
		8	0	21.07	-1.47	17.45	<=34.77	Pass
			4	21.22	-1.47	17.60	<=34.77	Pass
			7	21.24	-1.47	17.62	<=34.77	Pass
		15	0	21.40	-1.47	17.78	<=34.77	Pass
	714.5	1	0	22.09	-1.47	18.47	<=34.77	Pass
			7	22.44	-1.47	18.82	<=34.77	Pass
			14	22.26	-1.47	18.64	<=34.77	Pass
		8	0	21.01	-1.47	17.39	<=34.77	Pass
			4	21.34	-1.47	17.72	<=34.77	Pass
			7	21.51	-1.47	17.89	<=34.77	Pass
		15	0	21.42	-1.47	17.80	<=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	23.06	-1.47	19.44	<=34.77	Pass
			13	22.94	-1.47	19.32	<=34.77	Pass
			24	22.93	-1.47	19.31	<=34.77	Pass
		12	0	22.07	-1.47	18.45	<=34.77	Pass
			6	21.91	-1.47	18.29	<=34.77	Pass
			13	21.87	-1.47	18.25	<=34.77	Pass
		25	0	22.00	-1.47	18.38	<=34.77	Pass
	707.5	1	0	22.97	-1.47	19.35	<=34.77	Pass
			13	23.12	-1.47	19.50	<=34.77	Pass
			24	22.96	-1.47	19.34	<=34.77	Pass
		12	0	22.23	-1.47	18.61	<=34.77	Pass
			6	22.24	-1.47	18.62	<=34.77	Pass
			13	22.22	-1.47	18.60	<=34.77	Pass
		25	0	22.18	-1.47	18.56	<=34.77	Pass
	713.5	1	0	22.88	-1.47	19.26	<=34.77	Pass
			13	23.11	-1.47	19.49	<=34.77	Pass
			24	23.12	-1.47	19.50	<=34.77	Pass
		12	0	21.94	-1.47	18.32	<=34.77	Pass
			6	22.15	-1.47	18.53	<=34.77	Pass
			13	22.29	-1.47	18.67	<=34.77	Pass
		25	0	22.08	-1.47	18.46	<=34.77	Pass
16QAM	701.5	1	0	21.41	-1.47	17.79	<=34.77	Pass
			13	21.93	-1.47	18.31	<=34.77	Pass
			24	21.90	-1.47	18.28	<=34.77	Pass
		12	0	20.98	-1.47	17.36	<=34.77	Pass
			6	20.86	-1.47	17.24	<=34.77	Pass
			13	20.90	-1.47	17.28	<=34.77	Pass
		25	0	21.16	-1.47	17.54	<=34.77	Pass
	707.5	1	0	21.81	-1.47	18.19	<=34.77	Pass
			13	22.50	-1.47	18.88	<=34.77	Pass
			24	22.15	-1.47	18.53	<=34.77	Pass
		12	0	21.04	-1.47	17.42	<=34.77	Pass
			6	21.22	-1.47	17.60	<=34.77	Pass
			13	21.05	-1.47	17.43	<=34.77	Pass
		25	0	21.22	-1.47	17.60	<=34.77	Pass
	713.5	1	0	22.12	-1.47	18.50	<=34.77	Pass
			13	21.86	-1.47	18.24	<=34.77	Pass
			24	22.06	-1.47	18.44	<=34.77	Pass
		12	0	20.74	-1.47	17.12	<=34.77	Pass
			6	21.16	-1.47	17.54	<=34.77	Pass
			13	21.11	-1.47	17.49	<=34.77	Pass
		25	0	21.04	-1.47	17.42	<=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	23.05	-1.47	19.43	<=34.77	Pass
			25	23.01	-1.47	19.39	<=34.77	Pass

			49	23.06	-1.47	19.44	<=34.77	Pass
		25	0	21.91	-1.47	18.29	<=34.77	Pass
			13	21.98	-1.47	18.36	<=34.77	Pass
			25	22.21	-1.47	18.59	<=34.77	Pass
		50	0	22.03	-1.47	18.41	<=34.77	Pass
	707.5	1	0	23.03	-1.47	19.41	<=34.77	Pass
			25	23.58	-1.47	19.96	<=34.77	Pass
			49	22.89	-1.47	19.27	<=34.77	Pass
		25	0	22.10	-1.47	18.48	<=34.77	Pass
			13	22.23	-1.47	18.61	<=34.77	Pass
			25	22.06	-1.47	18.44	<=34.77	Pass
		50	0	22.14	-1.47	18.52	<=34.77	Pass
	711	1	0	23.19	-1.47	19.57	<=34.77	Pass
			25	22.90	-1.47	19.28	<=34.77	Pass
			49	23.29	-1.47	19.67	<=34.77	Pass
		25	0	22.23	-1.47	18.61	<=34.77	Pass
			13	22.01	-1.47	18.39	<=34.77	Pass
			25	22.20	-1.47	18.58	<=34.77	Pass
		50	0	22.22	-1.47	18.60	<=34.77	Pass
16QAM	704	1	0	22.49	-1.47	18.87	<=34.77	Pass
			25	22.56	-1.47	18.94	<=34.77	Pass
			49	22.50	-1.47	18.88	<=34.77	Pass
		25	0	21.08	-1.47	17.46	<=34.77	Pass
			13	21.15	-1.47	17.53	<=34.77	Pass
			25	21.38	-1.47	17.76	<=34.77	Pass
		50	0	21.16	-1.47	17.54	<=34.77	Pass
	707.5	1	0	22.31	-1.47	18.69	<=34.77	Pass
			25	23.06	-1.47	19.44	<=34.77	Pass
			49	22.37	-1.47	18.75	<=34.77	Pass
		25	0	21.24	-1.47	17.62	<=34.77	Pass
			13	21.37	-1.47	17.75	<=34.77	Pass
			25	21.27	-1.47	17.65	<=34.77	Pass
		50	0	21.18	-1.47	17.56	<=34.77	Pass
	711	1	0	21.99	-1.47	18.37	<=34.77	Pass
			25	22.00	-1.47	18.38	<=34.77	Pass
			49	22.28	-1.47	18.66	<=34.77	Pass
		25	0	21.34	-1.47	17.72	<=34.77	Pass
			13	21.20	-1.47	17.58	<=34.77	Pass
			25	21.40	-1.47	17.78	<=34.77	Pass
		50	0	21.24	-1.47	17.62	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	-1.159	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
					4.43	0.358	0.0005	-2.5 to 2.5	Pass

				-30	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0001	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-1.173	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-0.815	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.003	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.459	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-1.073	-0.0015	-2.5 to 2.5	Pass
					3.85	0.386	0.0006	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0010	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	0.257	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-1.030	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0004	-2.5 to 2.5	Pass

				-10	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0004	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
					4.43	0.043	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0005	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.372	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-1.073	-0.0015	-2.5 to 2.5	Pass
					3.85	0.458	0.0006	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-0.658	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass

				30	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	0.043	0.0001	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.501	0.0007	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass

2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-1.059	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-1.616	-0.0023	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.359	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-1.273	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.358	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-2.089	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.644	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.216	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.831	-0.0026	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass

2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-0.958	-0.0014	-2.5 to 2.5	Pass
					3.85	0.286	0.0004	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0014	-2.5 to 2.5	Pass

				-30	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.887	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.873	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0004	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.246	-0.0032	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.659	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-0.973	-0.0014	-2.5 to 2.5	Pass
					3.85	0.157	0.0002	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.858	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.373	-0.0019	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
					4.43	-1.502	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.459	-0.0021	-2.5 to 2.5	Pass

				-10	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-1.359	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0024	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

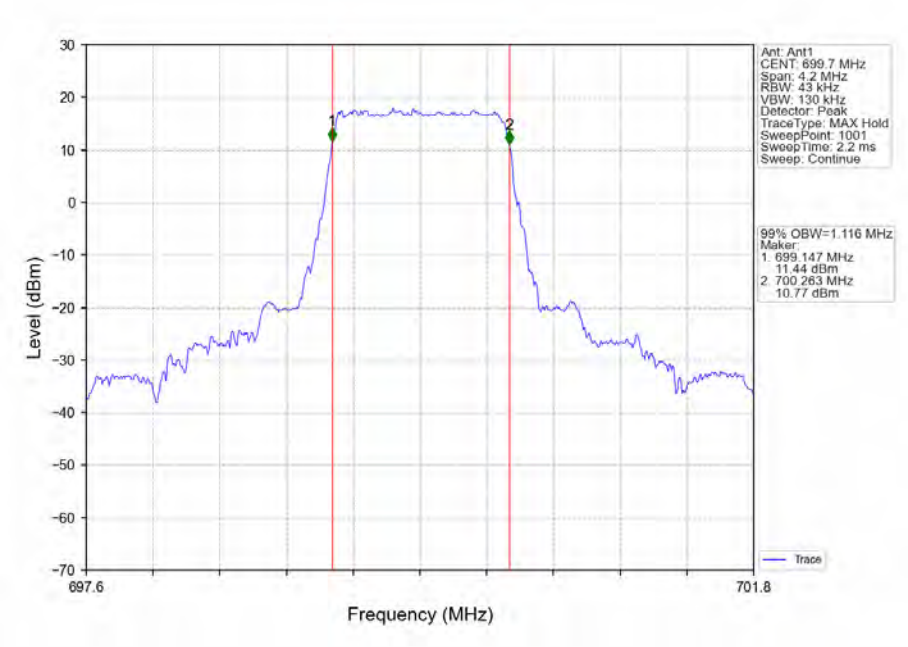
3.1 Band12_OBW

3.1.1 Test Result

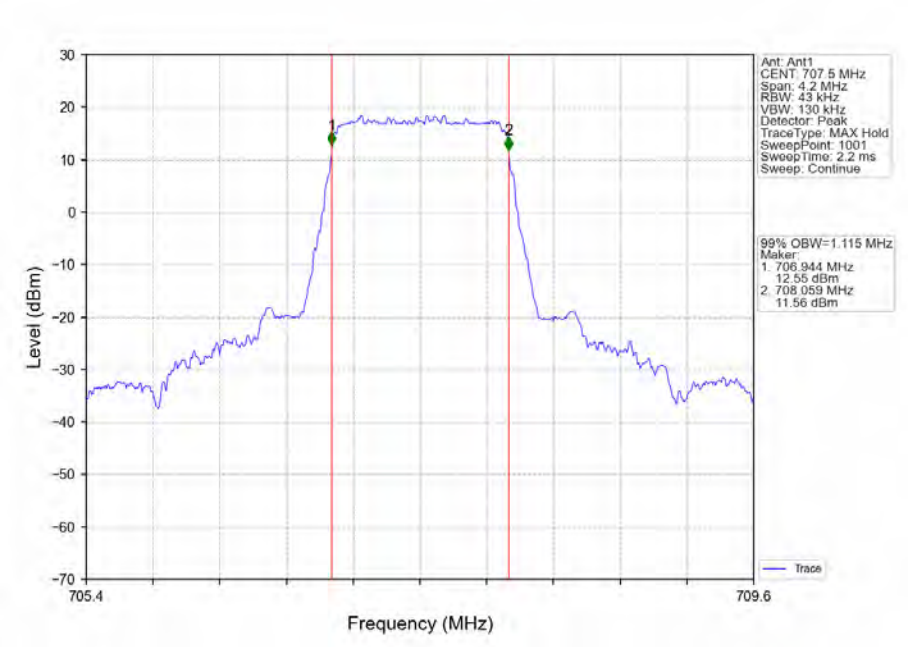
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.116	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.112	/	Pass
	16QAM	699.7	6	0	1.105	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.117	/	Pass
3	QPSK	700.5	15	0	2.730	/	Pass
		707.5	15	0	2.739	/	Pass
		714.5	15	0	2.750	/	Pass
	16QAM	700.5	15	0	2.730	/	Pass
		707.5	15	0	2.732	/	Pass
		714.5	15	0	2.735	/	Pass
5	QPSK	701.5	25	0	4.560	/	Pass
		707.5	25	0	4.540	/	Pass
		713.5	25	0	4.554	/	Pass
	16QAM	701.5	25	0	4.543	/	Pass
		707.5	25	0	4.561	/	Pass
		713.5	25	0	4.579	/	Pass
10	QPSK	704	50	0	9.048	/	Pass
		707.5	50	0	9.033	/	Pass
		711	50	0	9.029	/	Pass
	16QAM	704	50	0	9.004	/	Pass
		707.5	50	0	9.010	/	Pass
		711	50	0	8.996	/	Pass

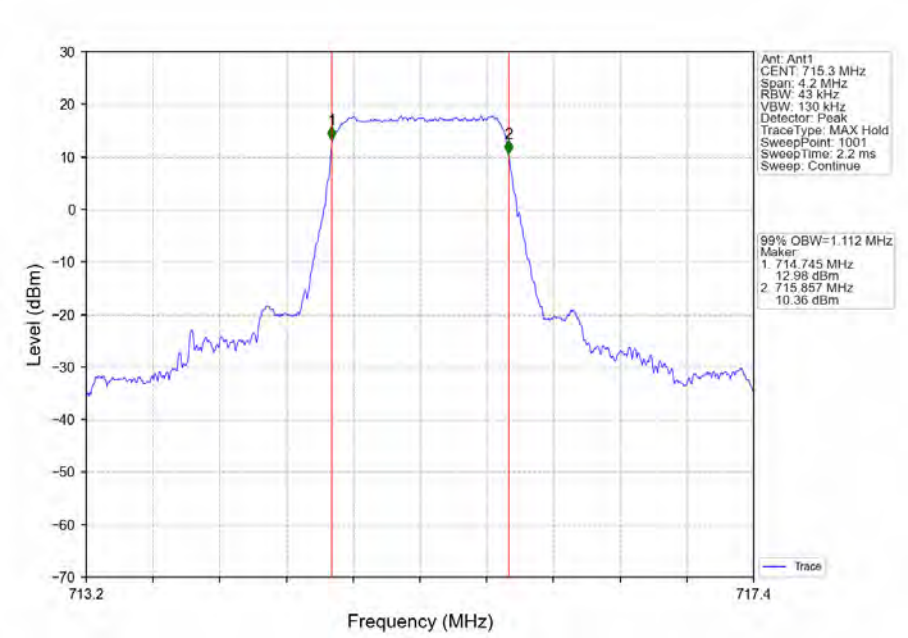
3.1.2 Test Graph

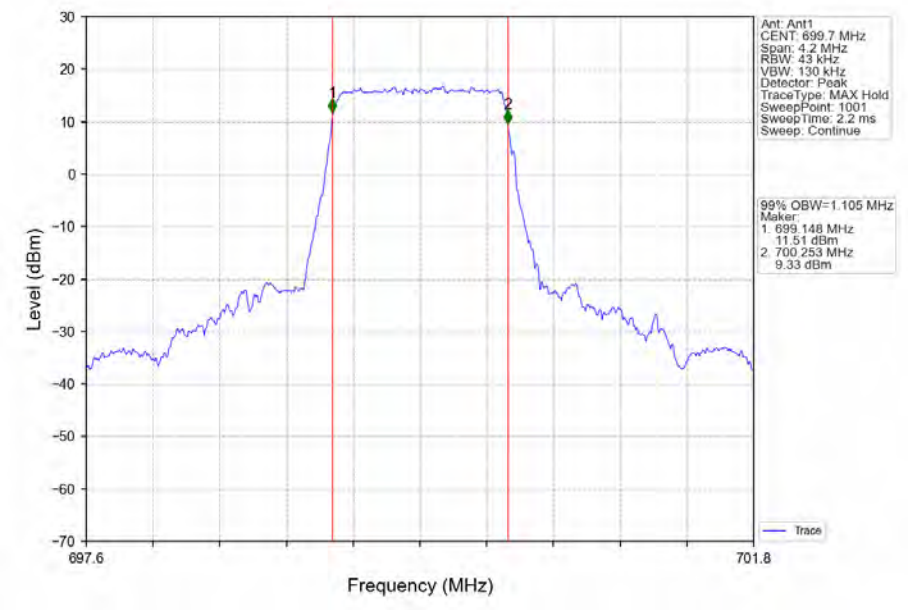
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



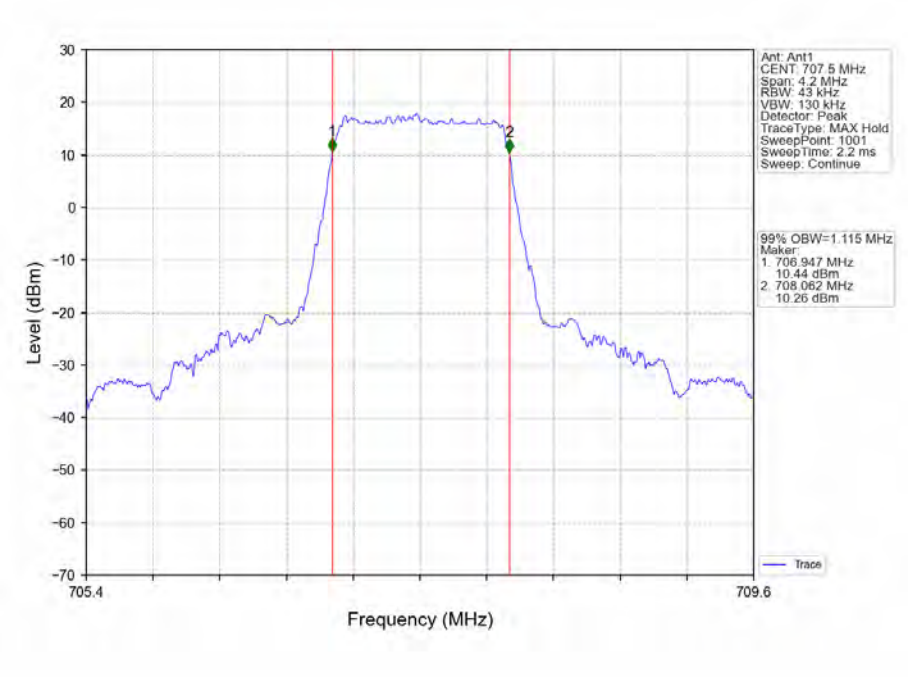
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



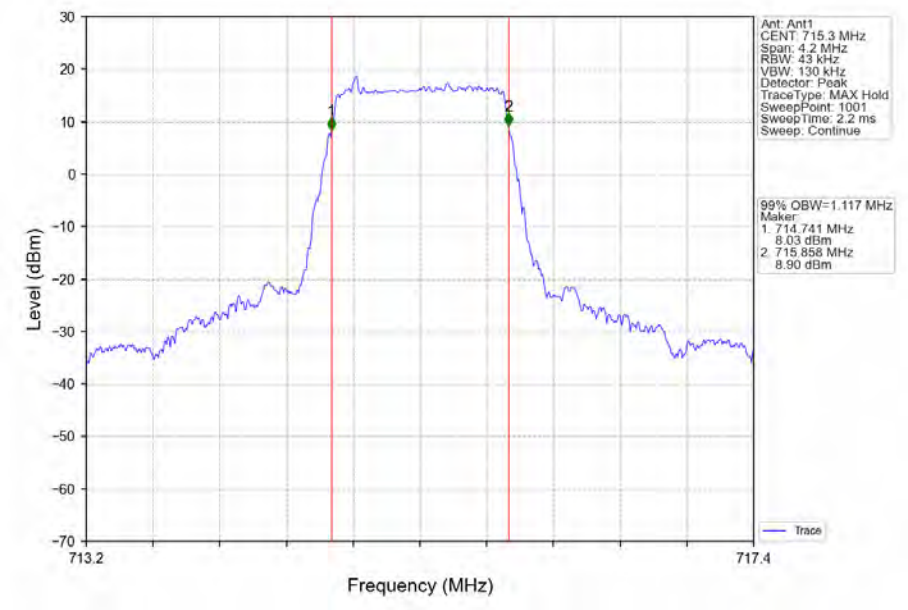
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV


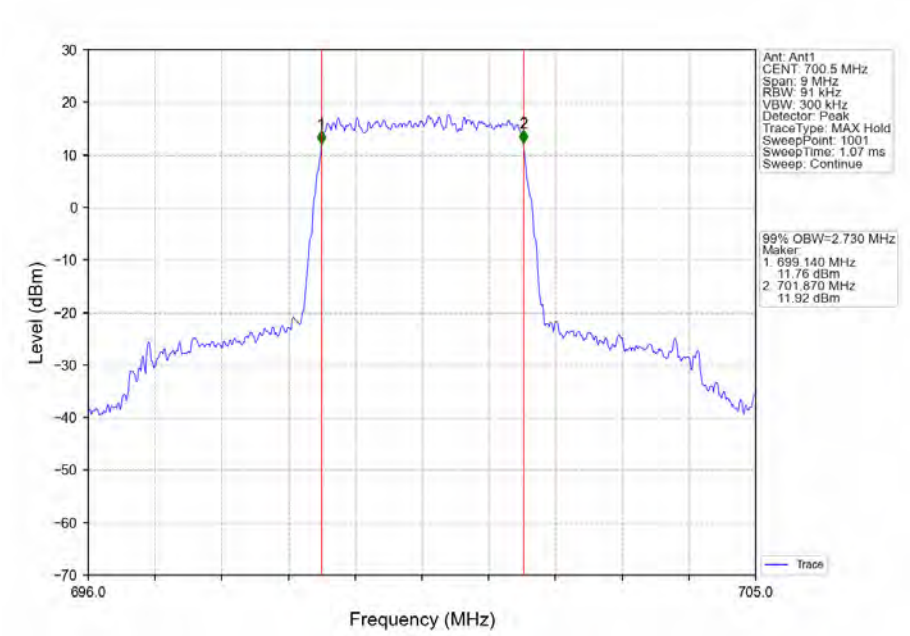
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



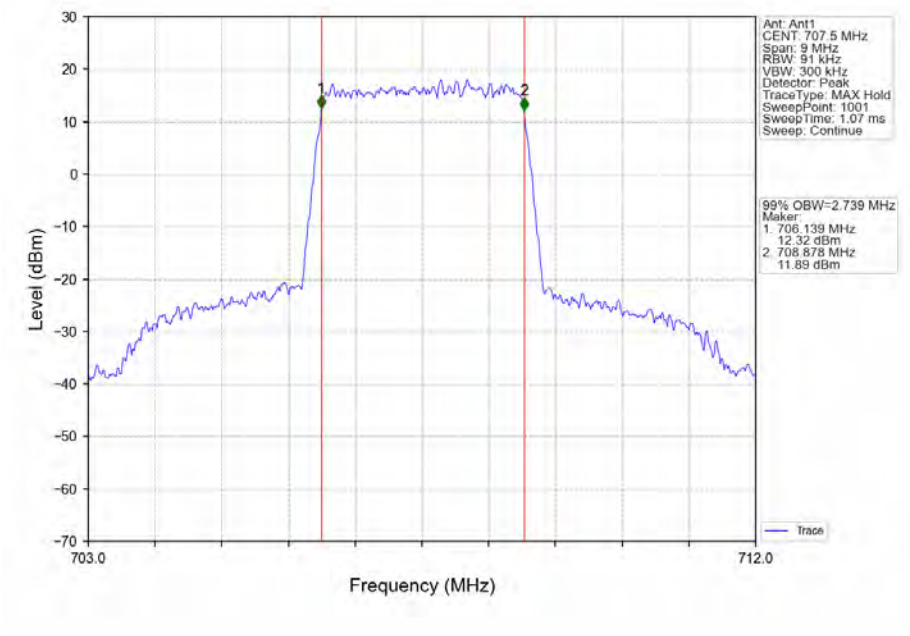
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



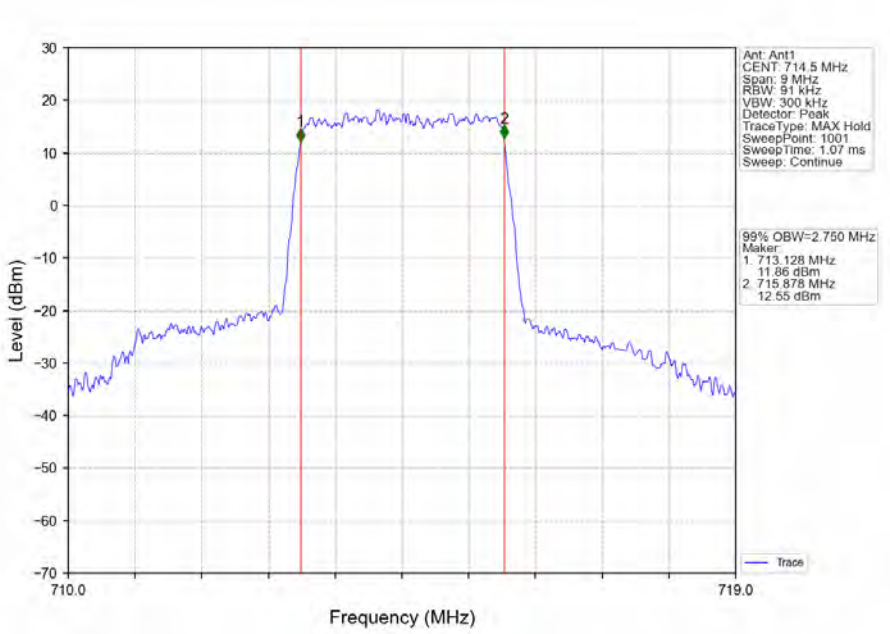
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



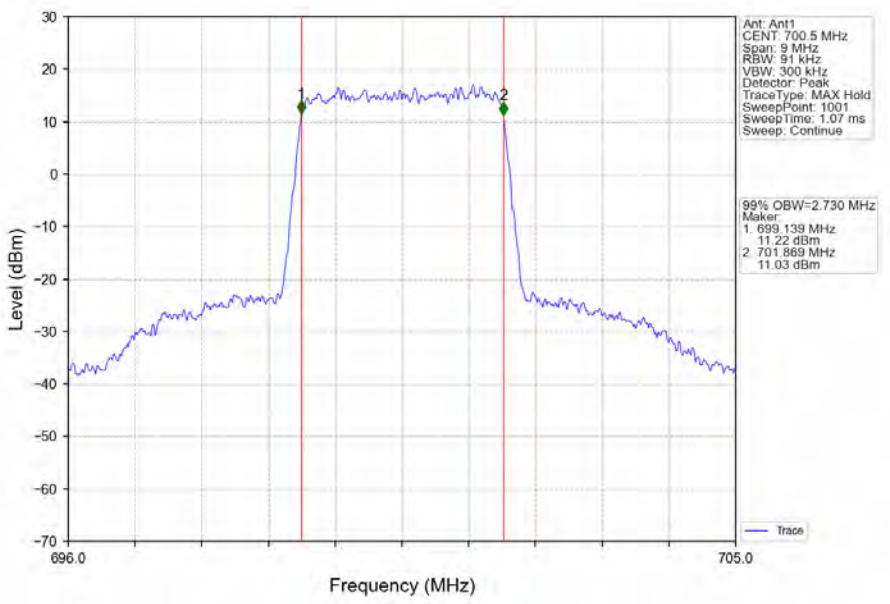
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



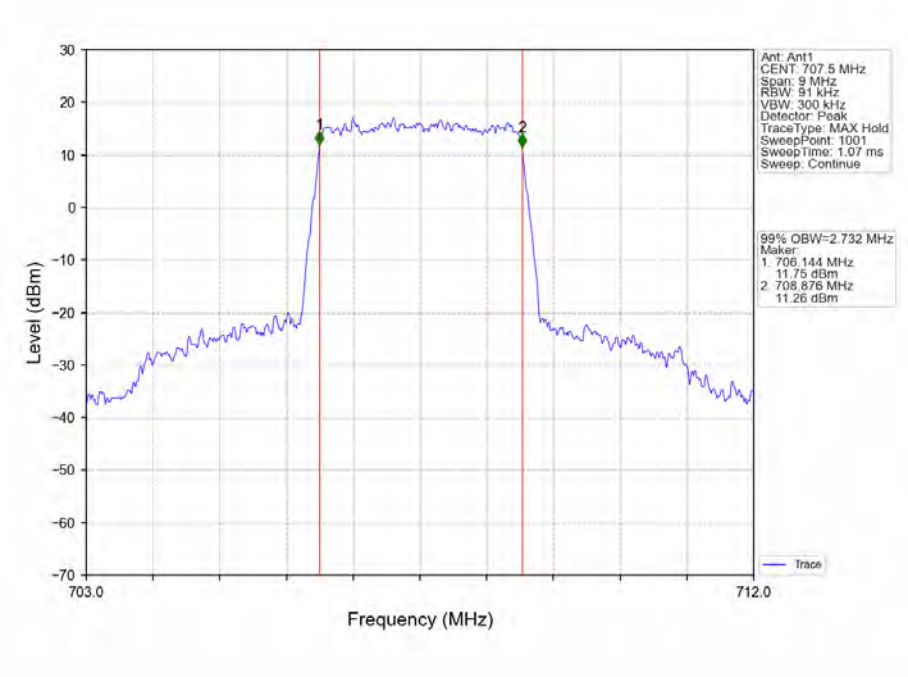
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



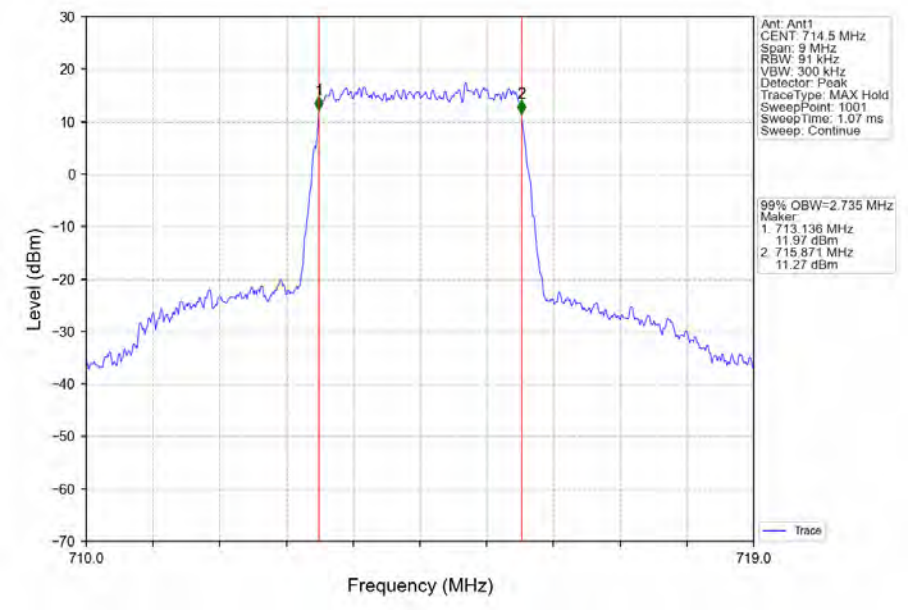
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

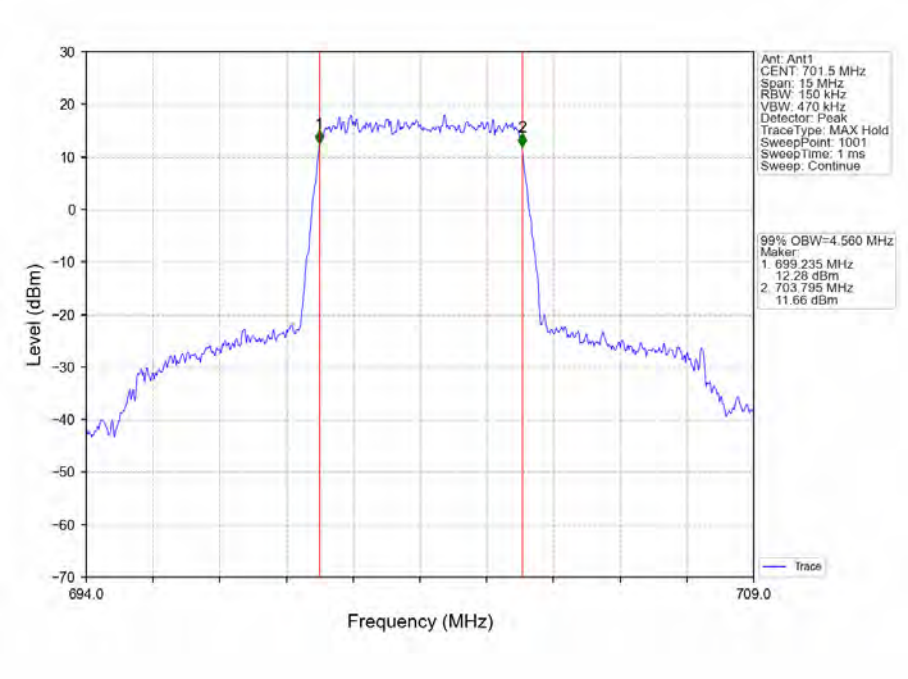
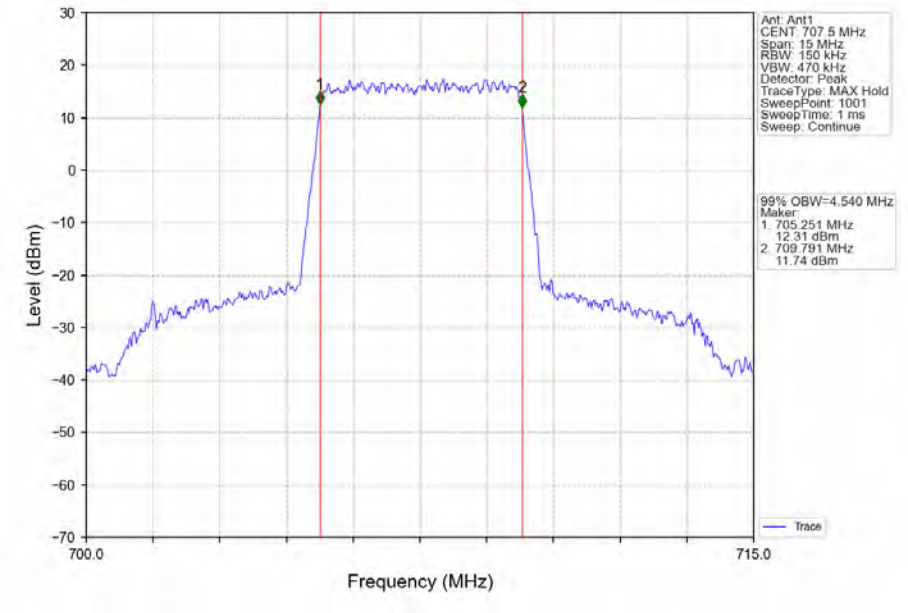


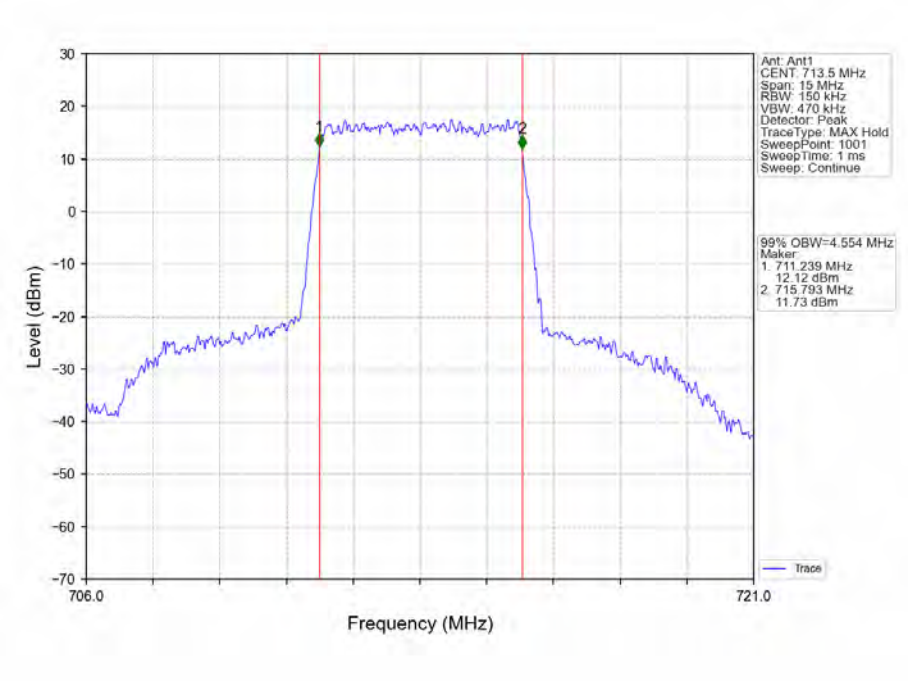
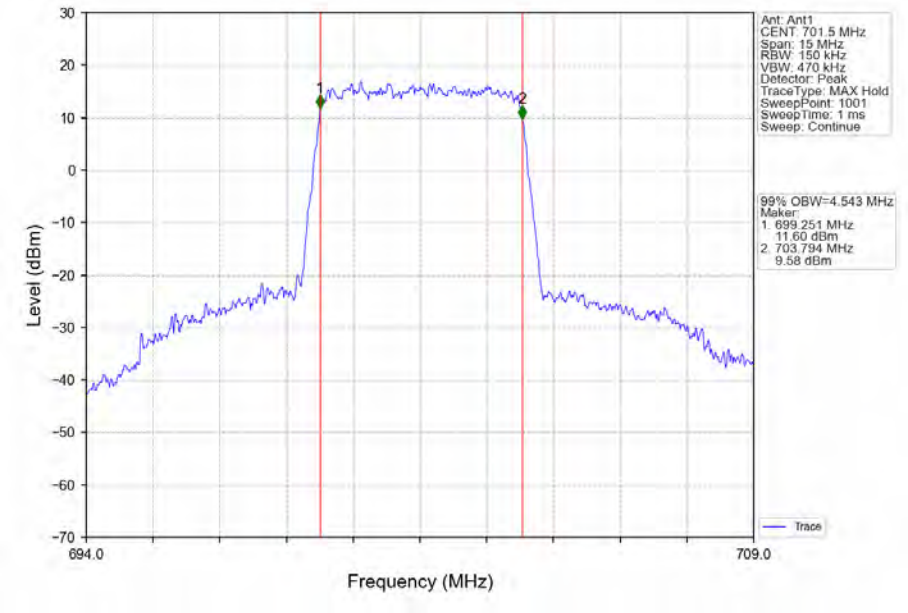
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



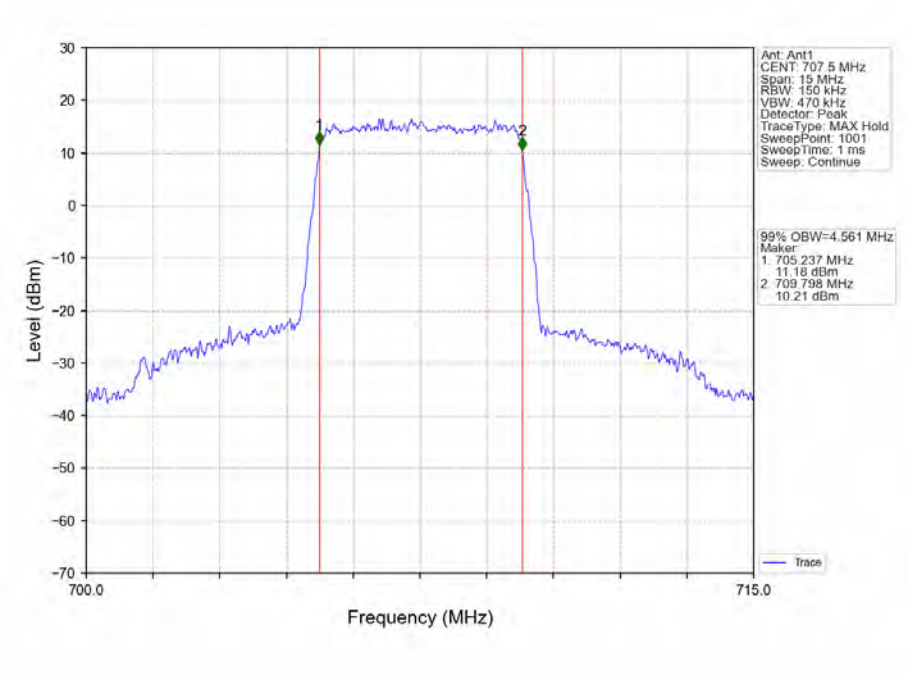
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



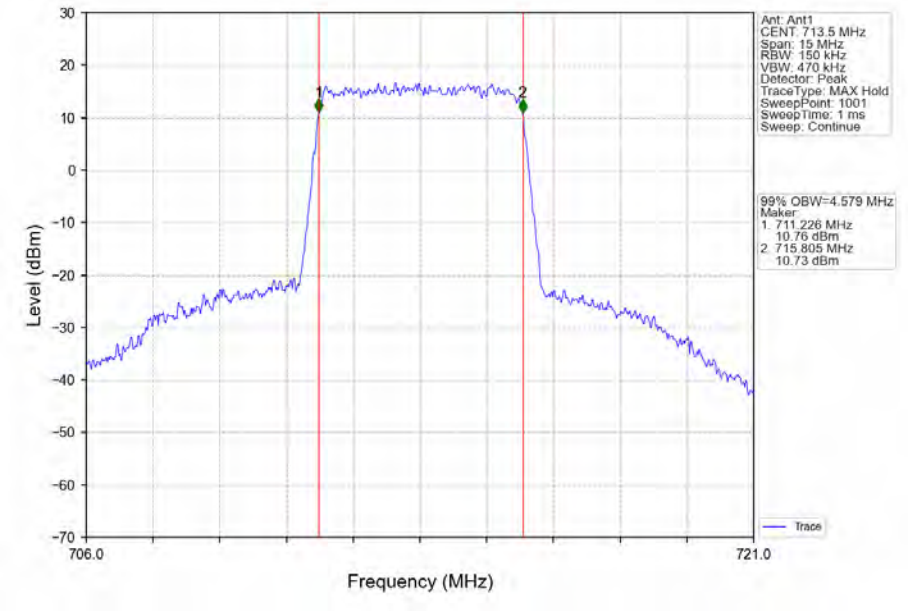
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

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


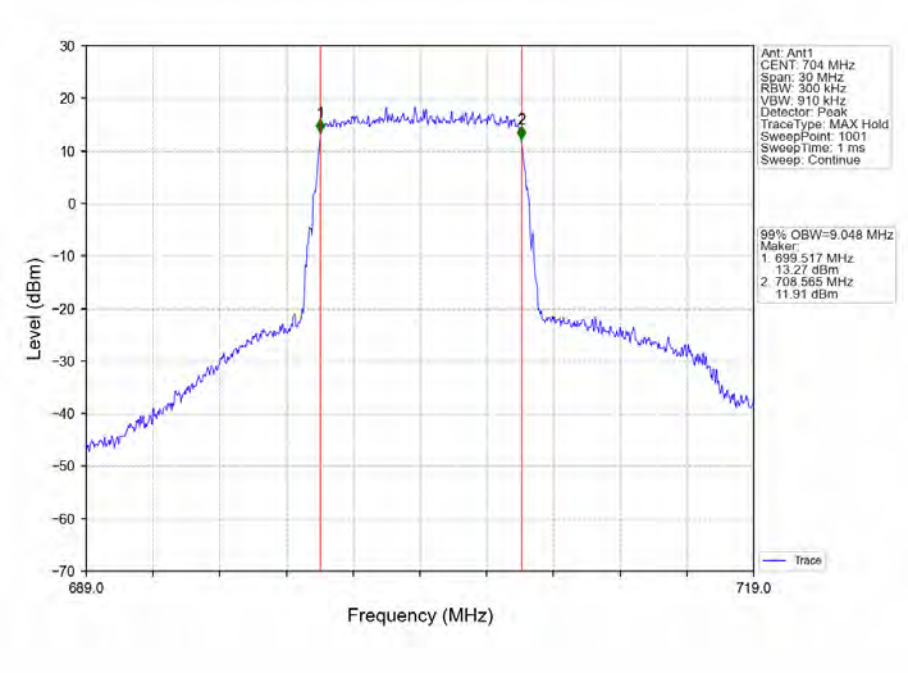
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



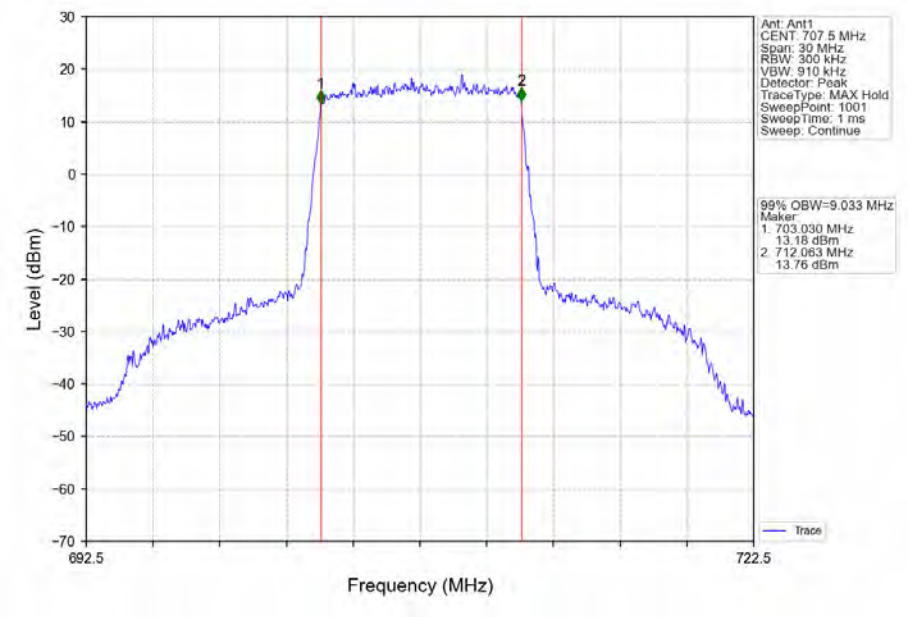
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



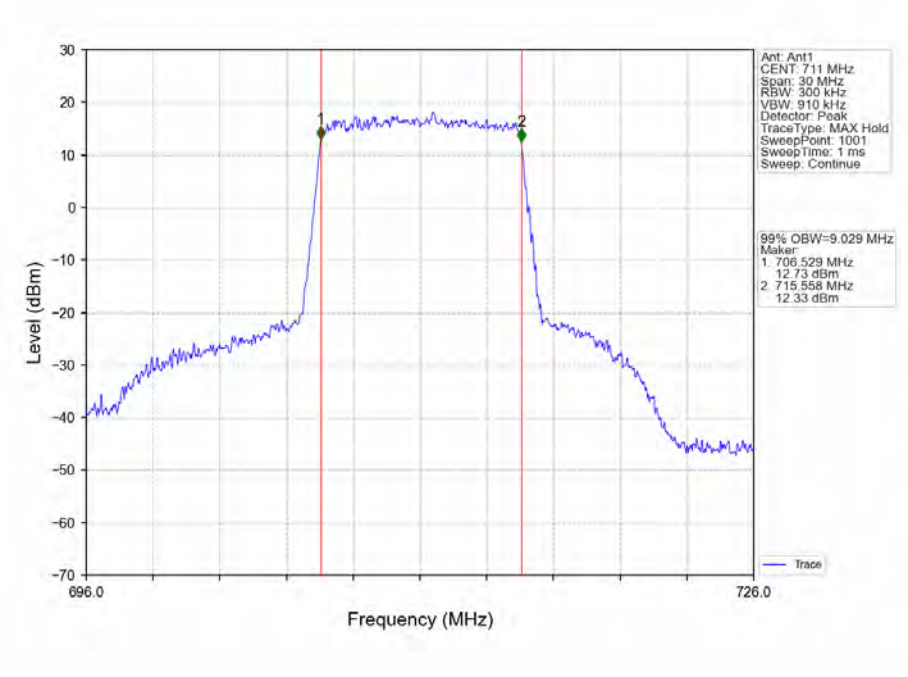
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



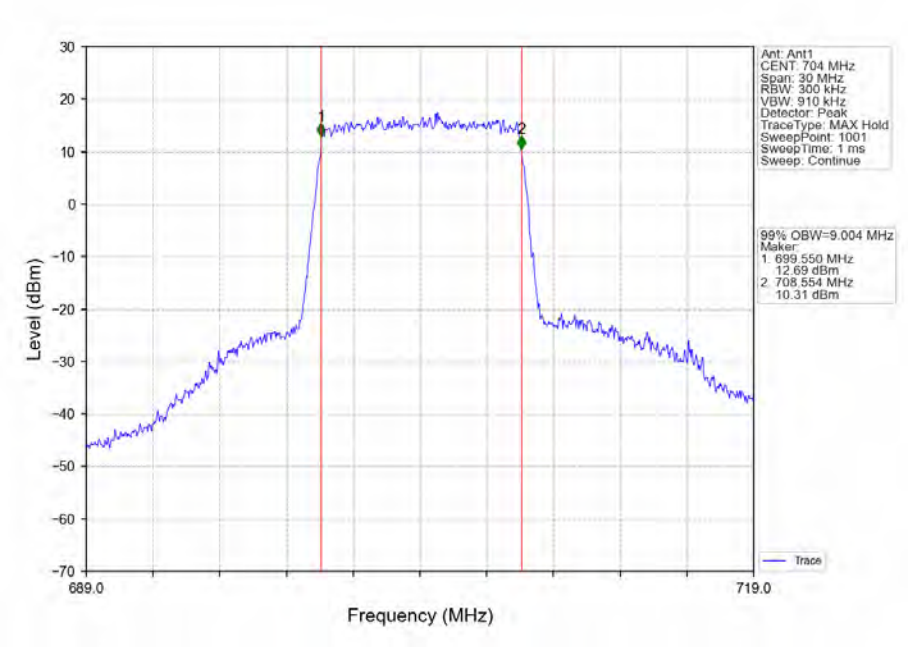
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



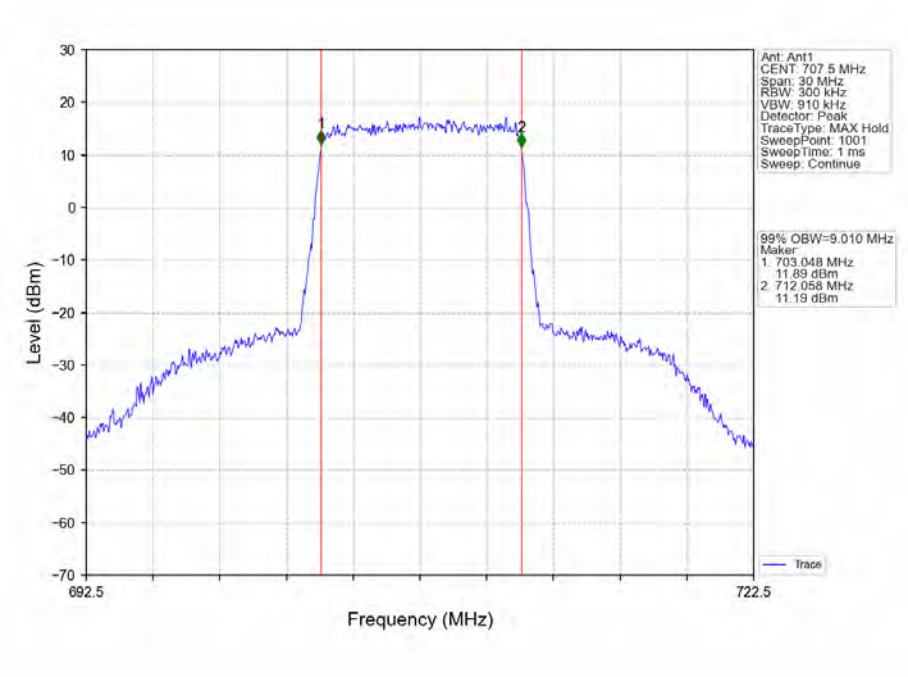
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



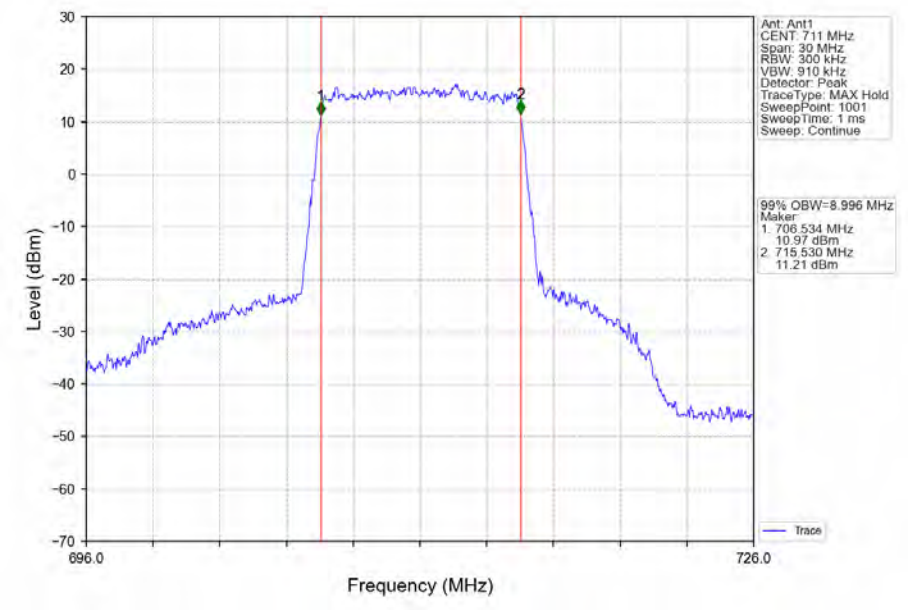
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



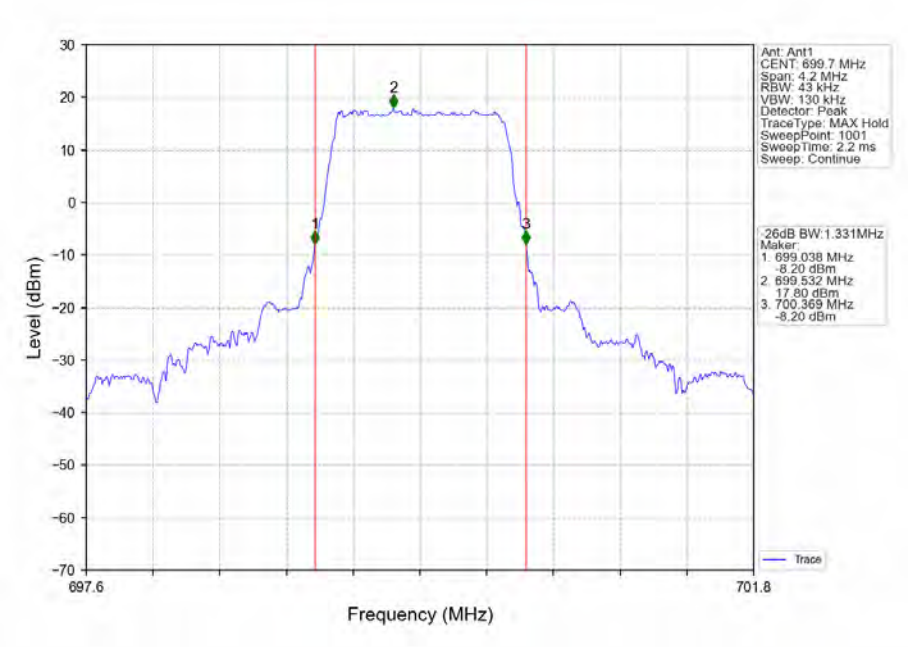
3.2 Band12_XDB

3.2.1 Test Result

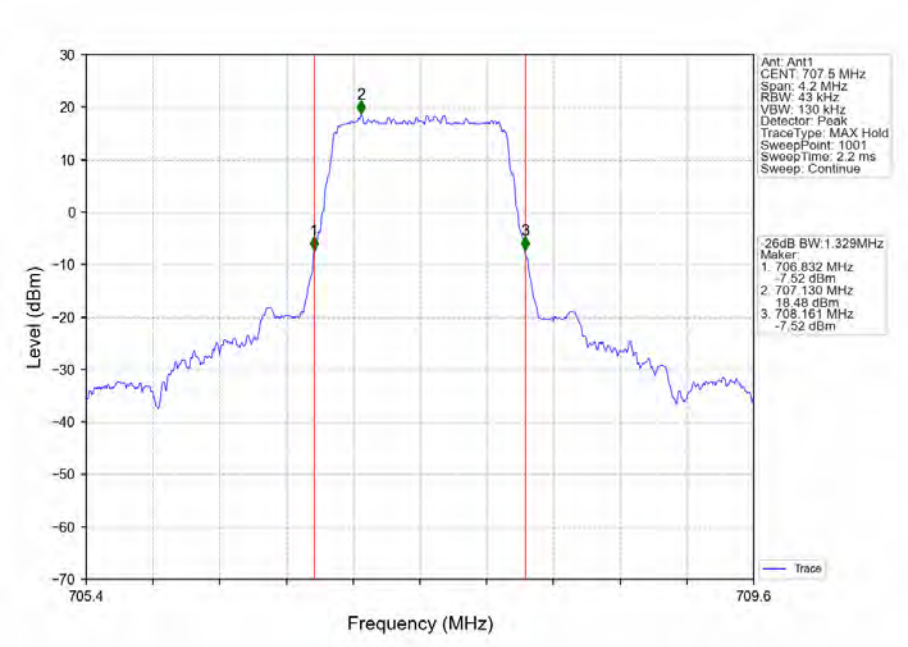
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.331	/	Pass
		707.5	6	0	1.329	/	Pass
		715.3	6	0	1.329	/	Pass
	16QAM	699.7	6	0	1.313	/	Pass
		707.5	6	0	1.330	/	Pass
		715.3	6	0	1.333	/	Pass
3	QPSK	700.5	15	0	3.075	/	Pass
		707.5	15	0	3.047	/	Pass
		714.5	15	0	3.068	/	Pass
	16QAM	700.5	15	0	3.035	/	Pass
		707.5	15	0	3.061	/	Pass
		714.5	15	0	3.066	/	Pass
5	QPSK	701.5	25	0	5.076	/	Pass
		707.5	25	0	5.080	/	Pass
		713.5	25	0	5.094	/	Pass
	16QAM	701.5	25	0	5.080	/	Pass
		707.5	25	0	5.092	/	Pass
		713.5	25	0	5.102	/	Pass
10	QPSK	704	50	0	10.144	/	Pass
		707.5	50	0	9.942	/	Pass
		711	50	0	10.070	/	Pass
	16QAM	704	50	0	9.969	/	Pass
		707.5	50	0	9.949	/	Pass
		711	50	0	10.050	/	Pass

3.2.2 Test Graph

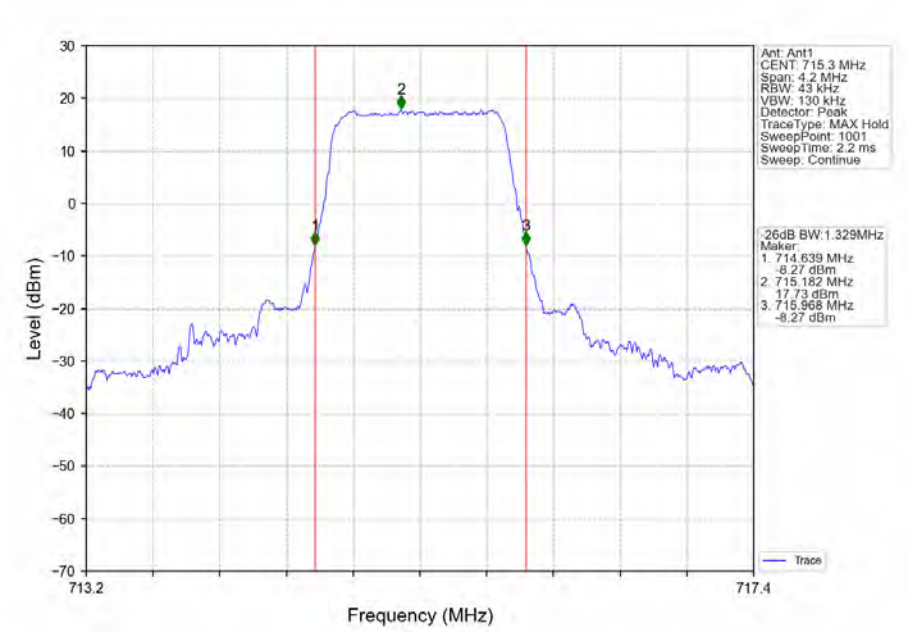
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



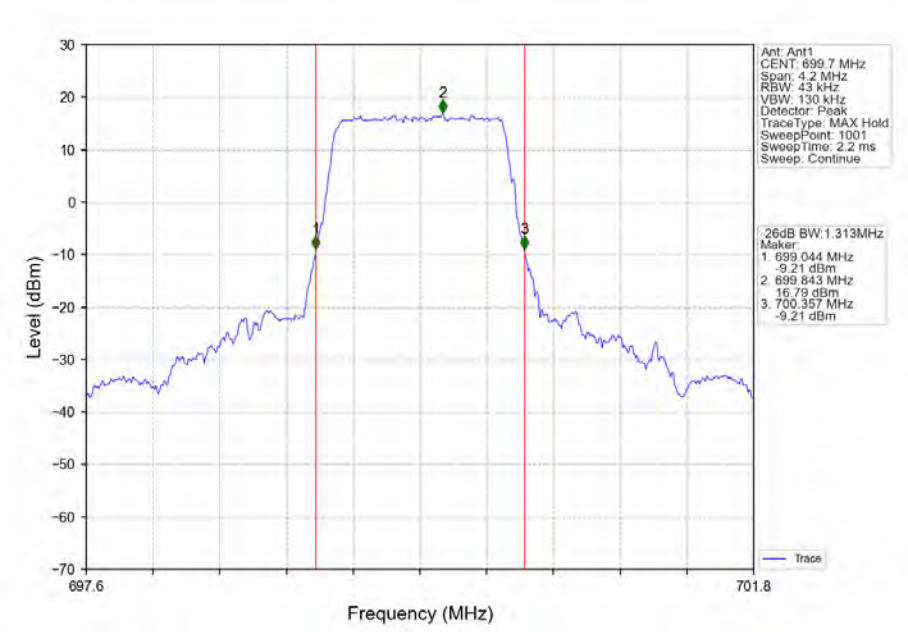
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



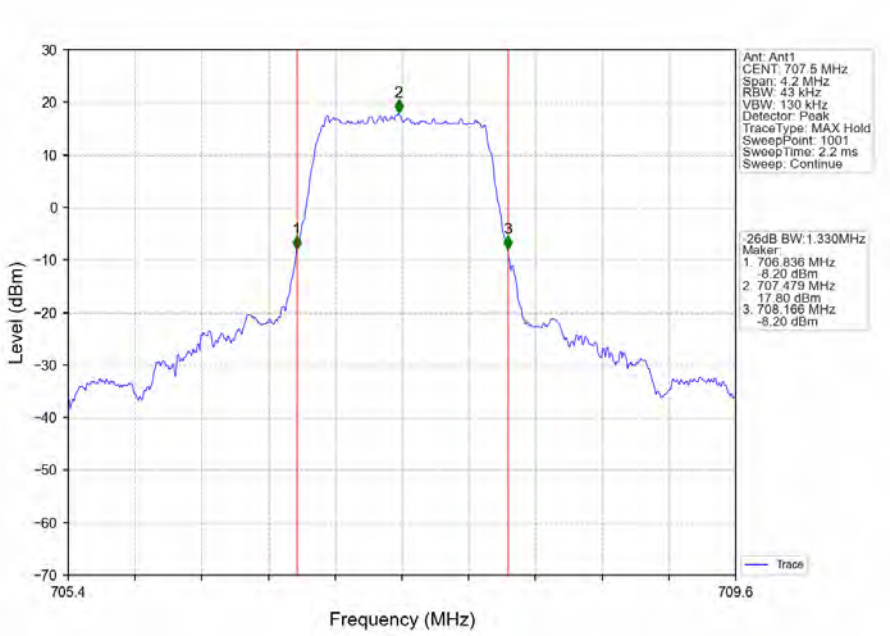
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



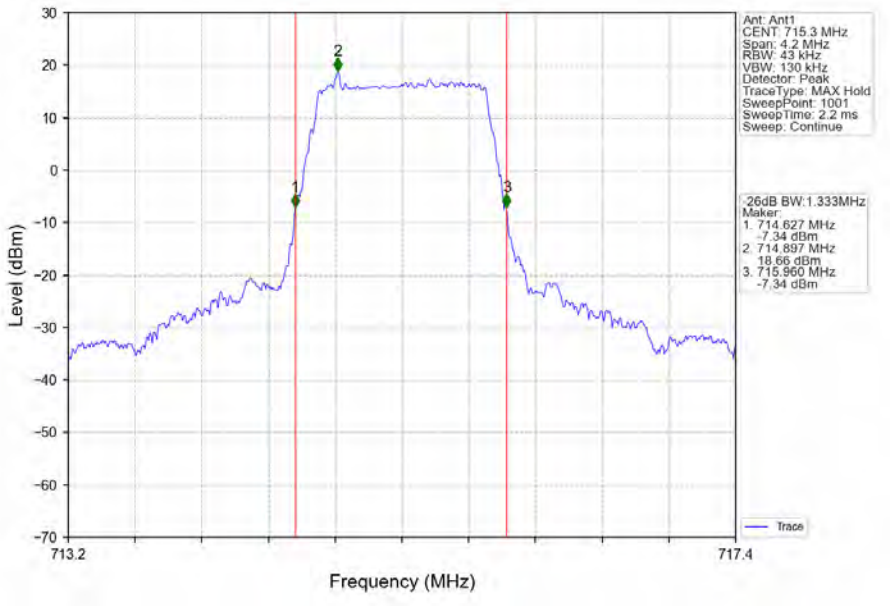
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



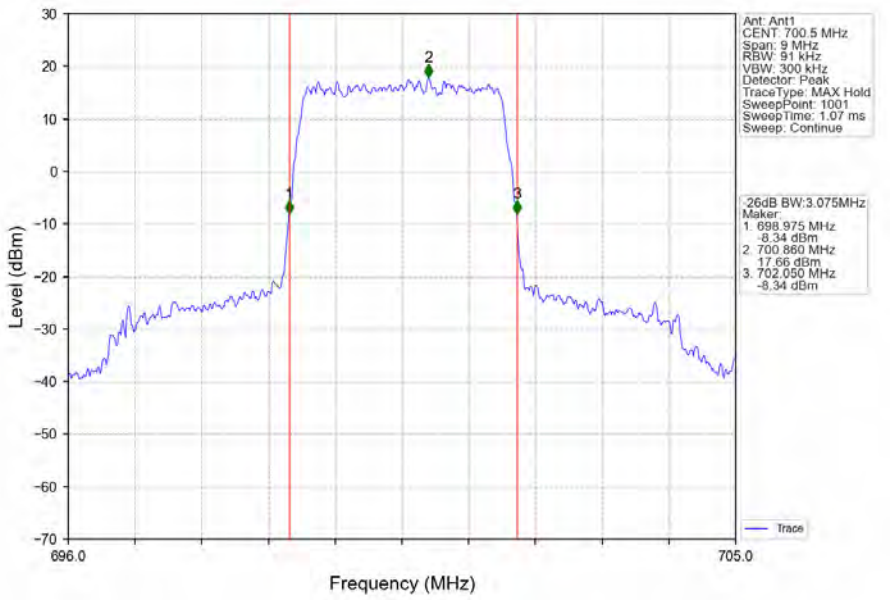
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



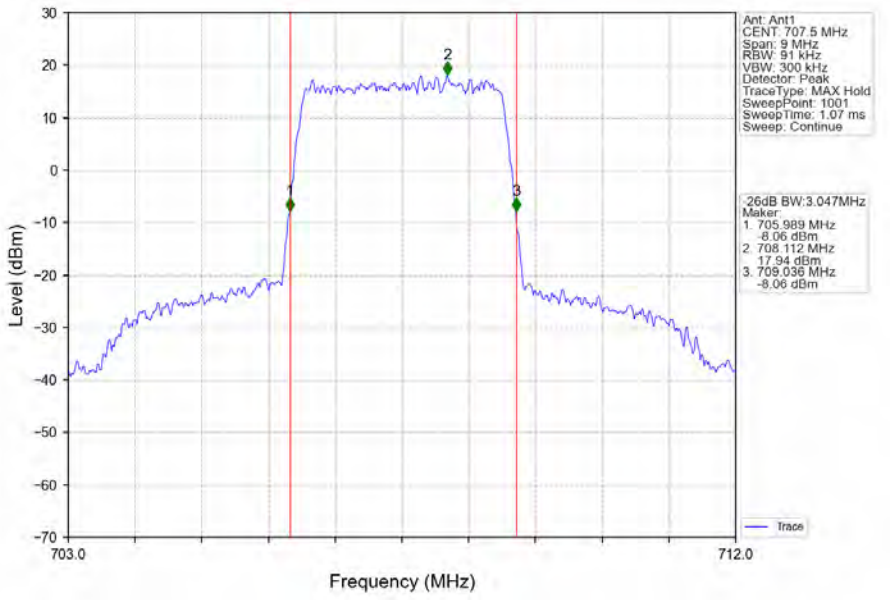
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

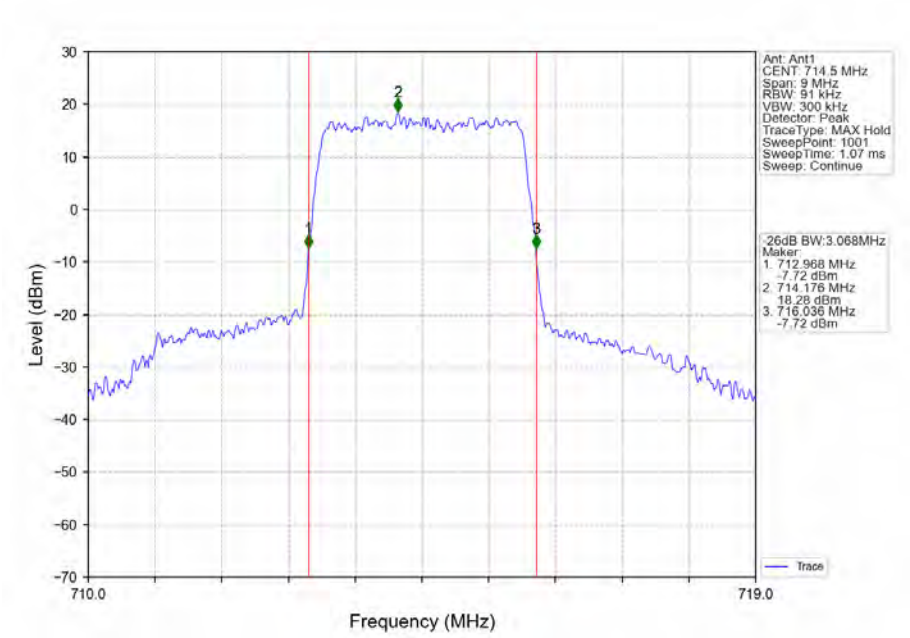


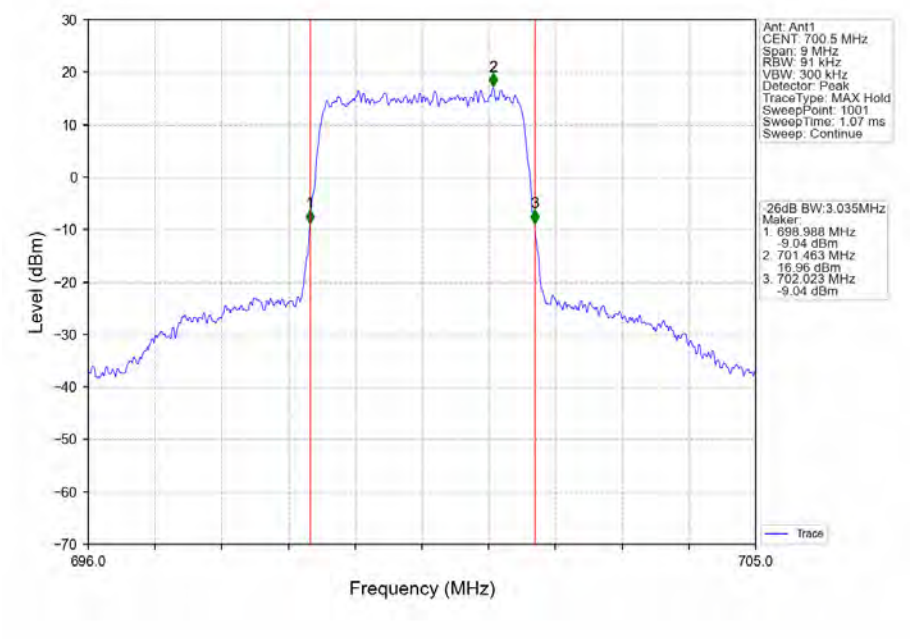
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



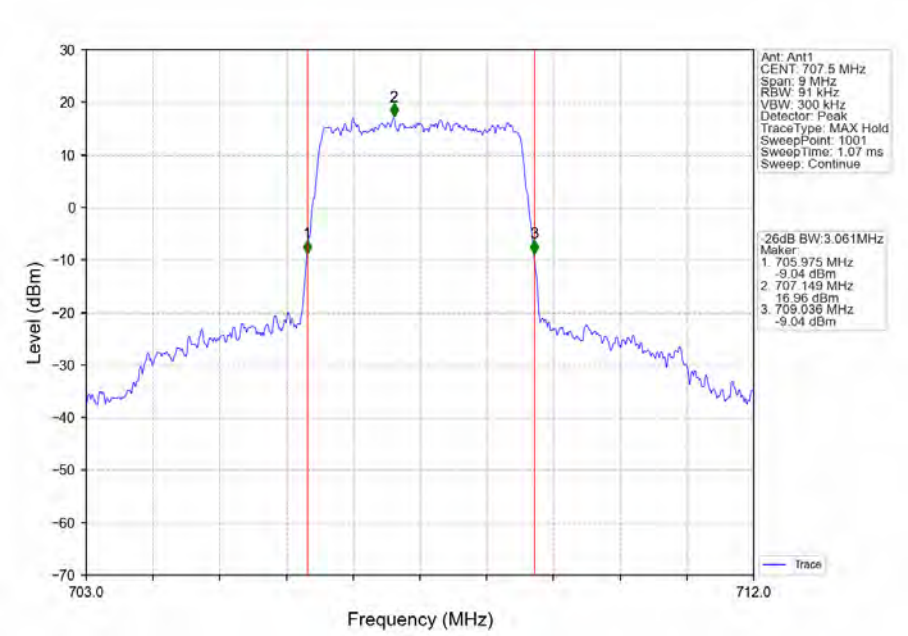
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



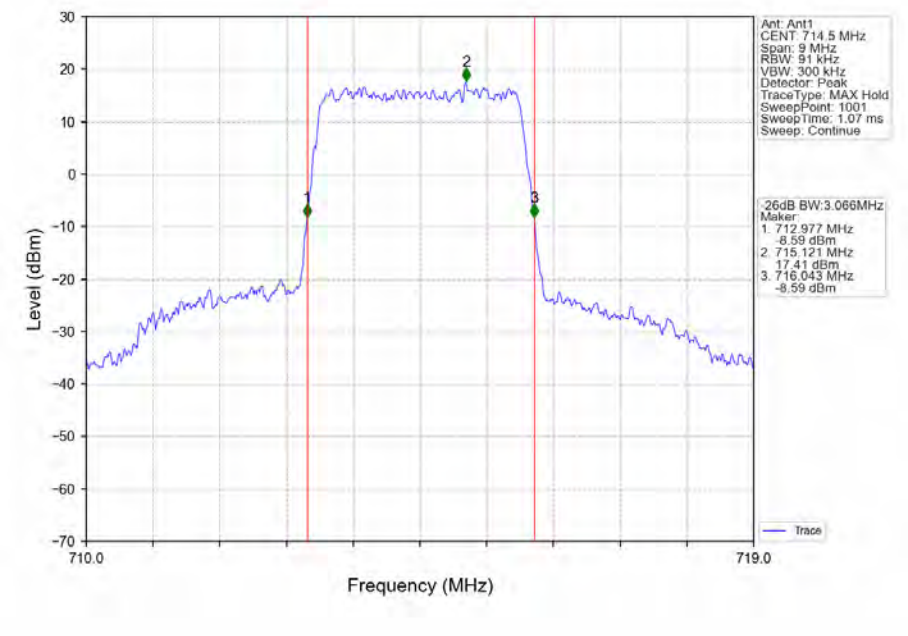
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV


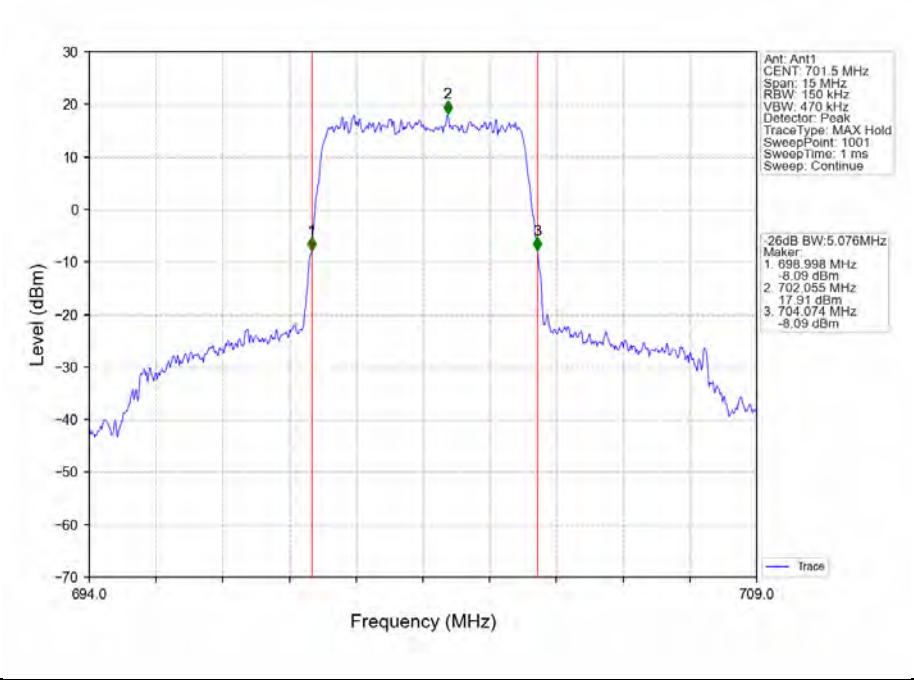
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



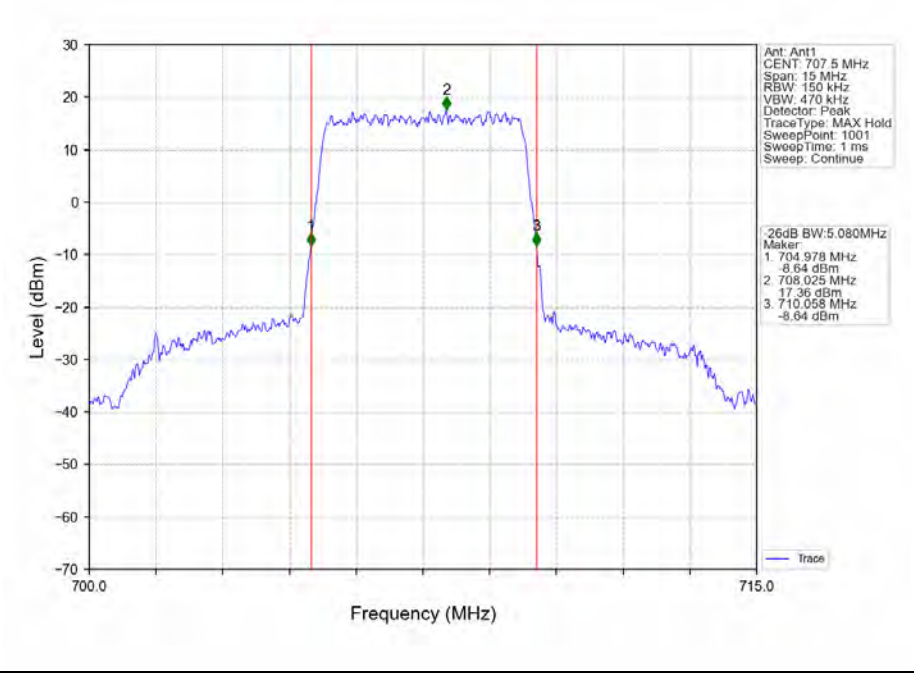
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

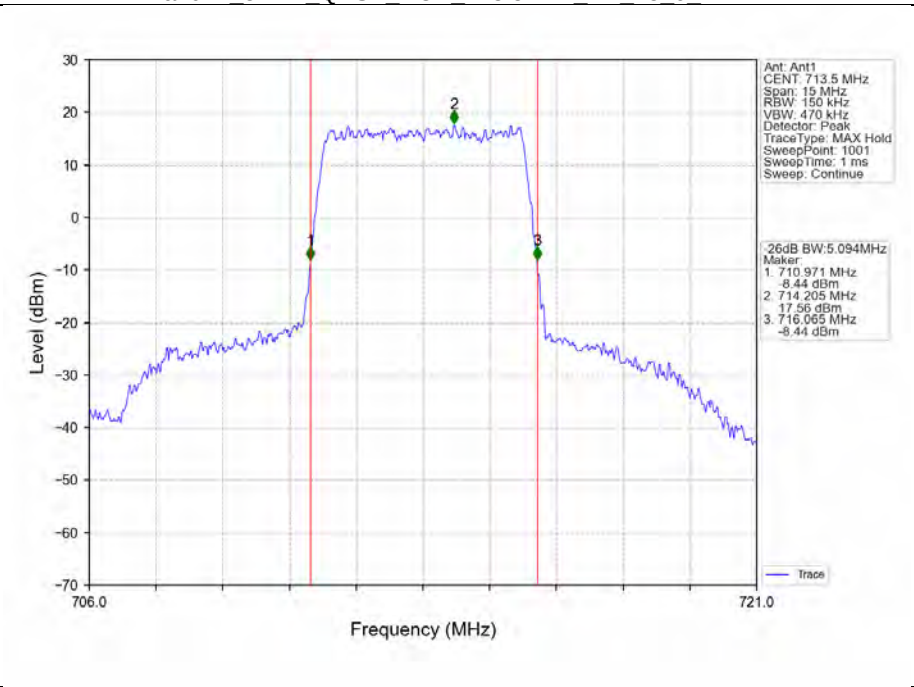
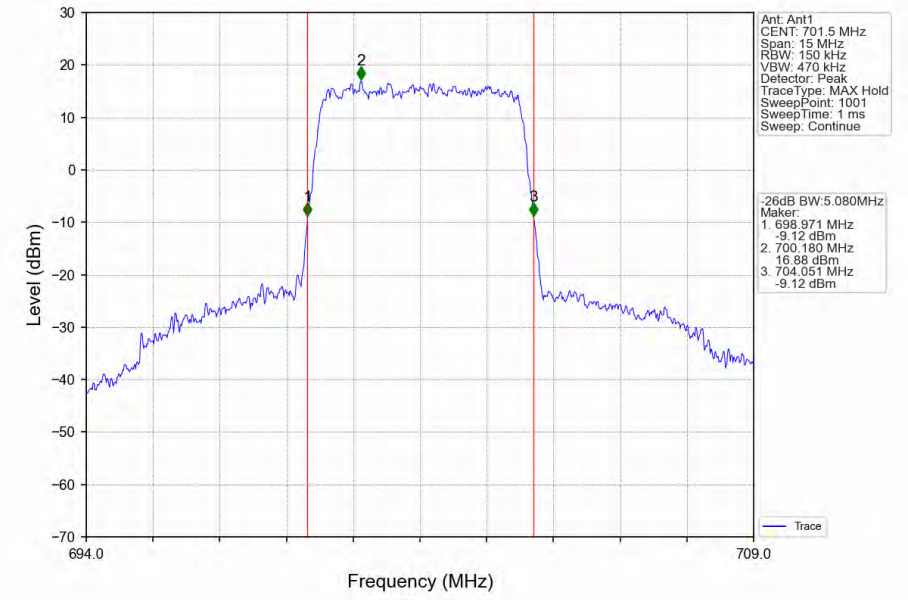


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

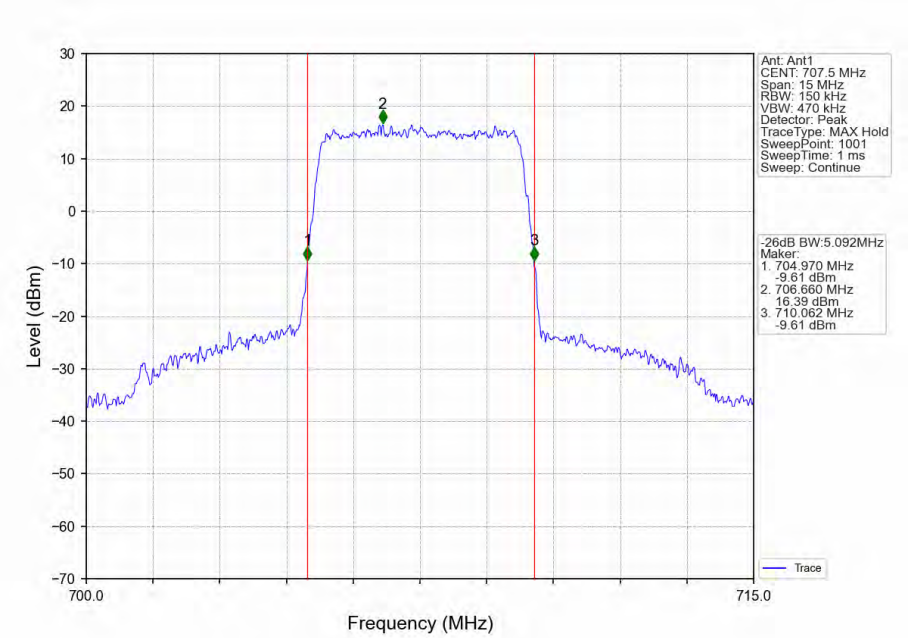


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

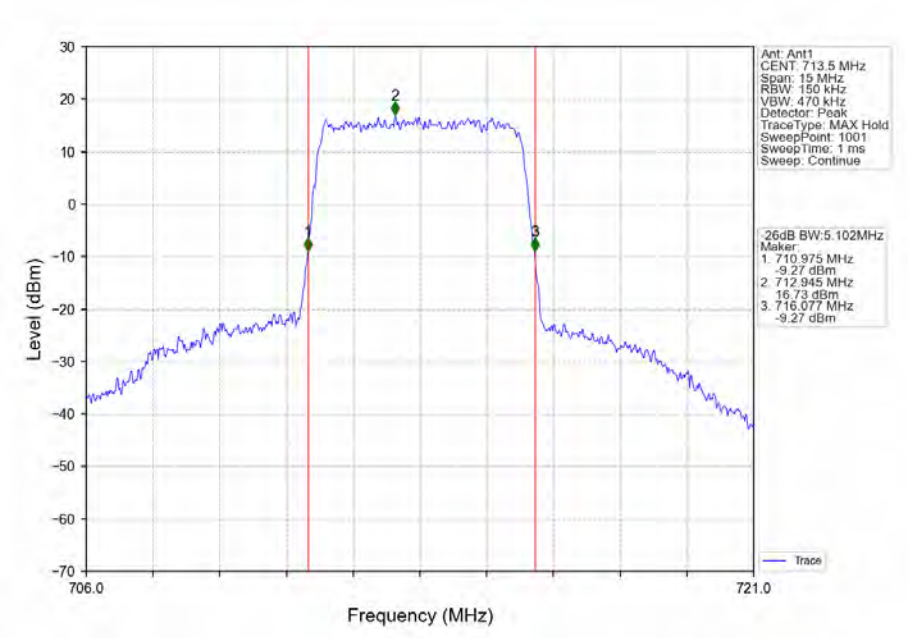


Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV


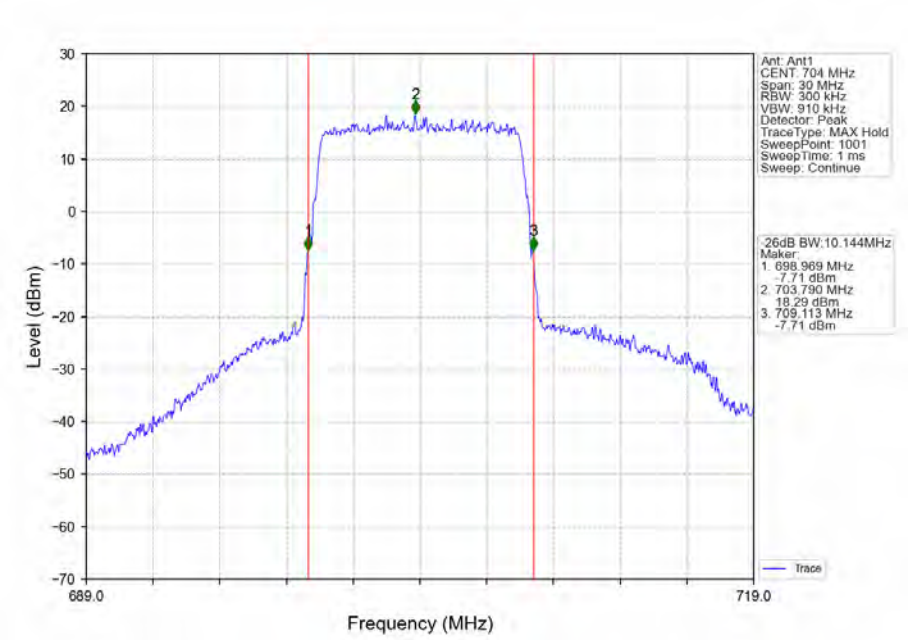
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



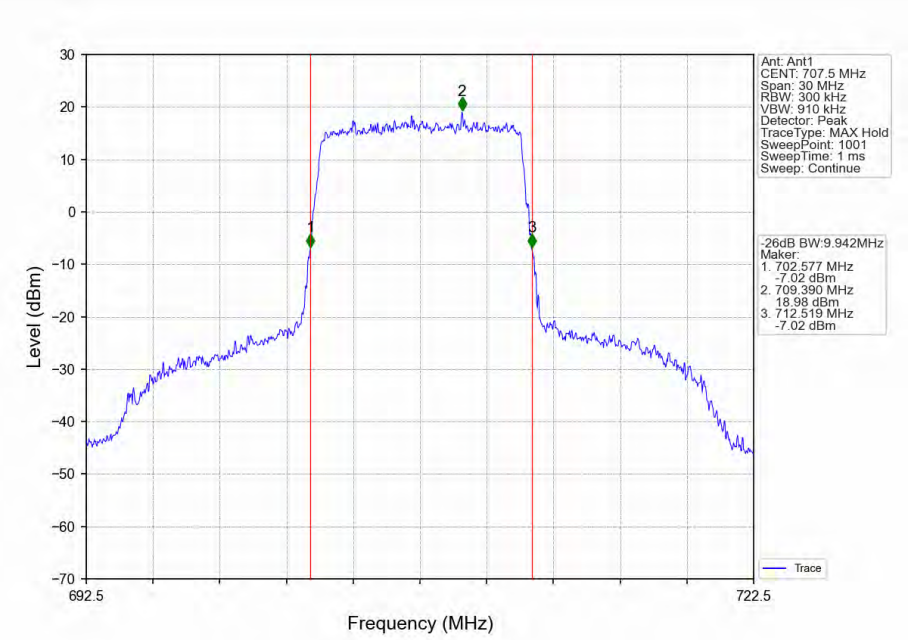
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



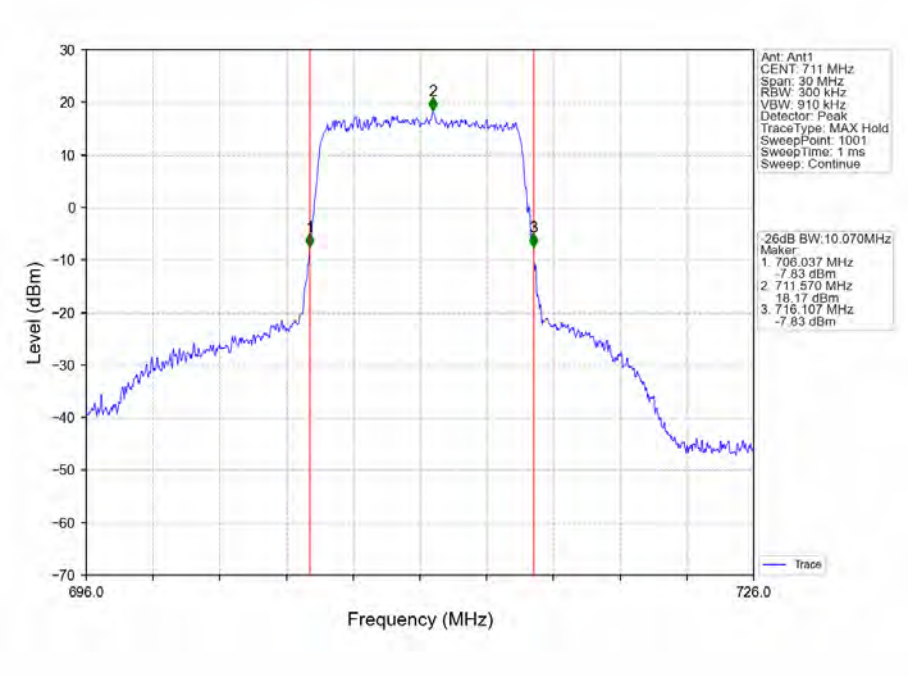
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



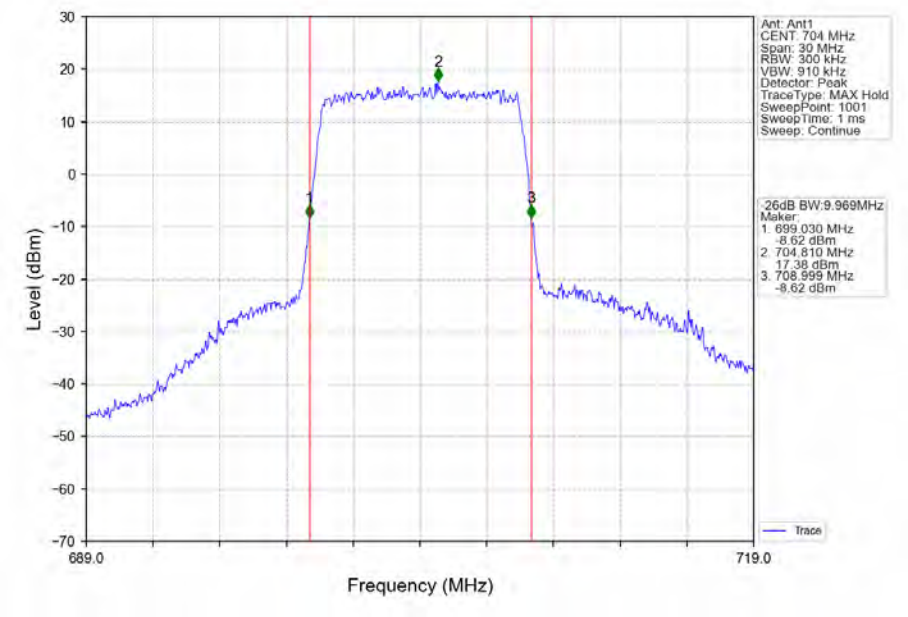
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



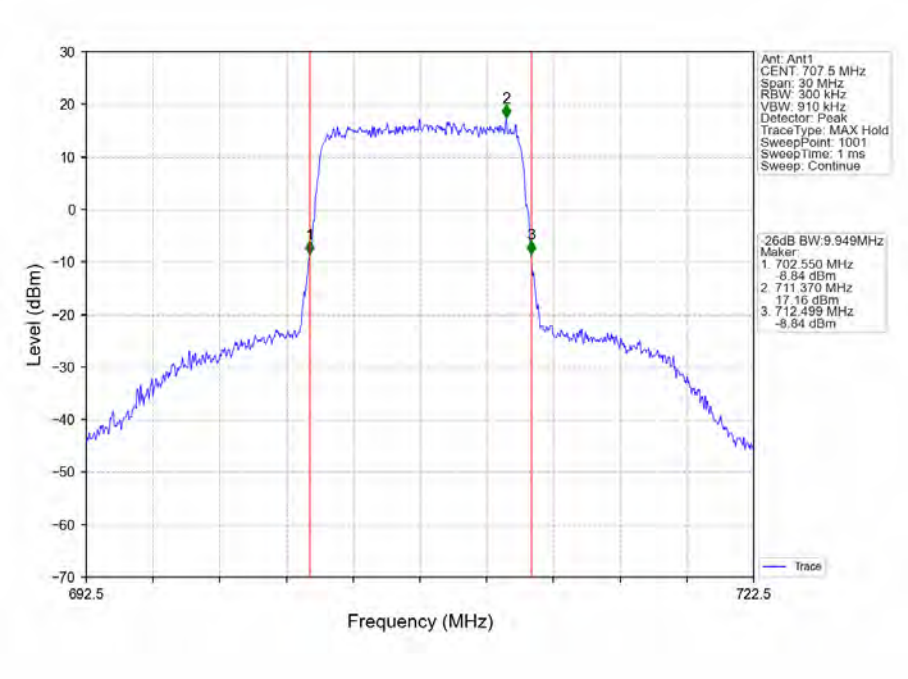
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



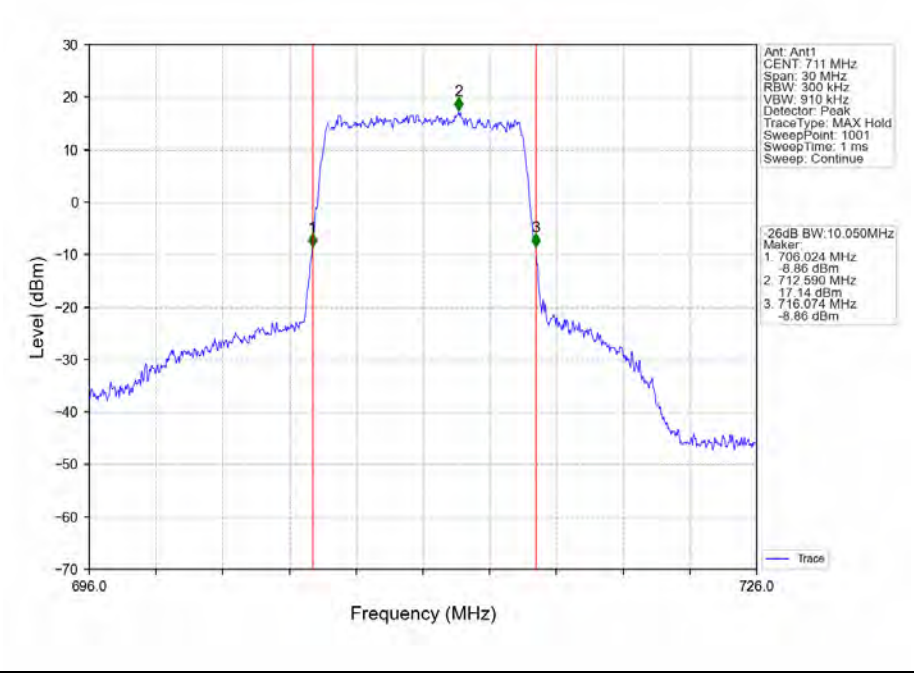
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



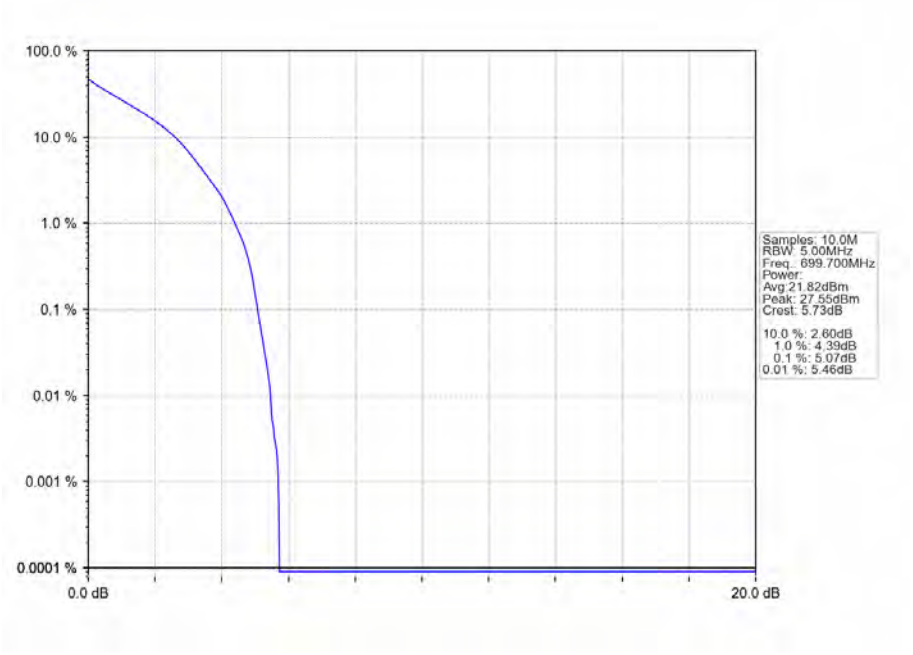
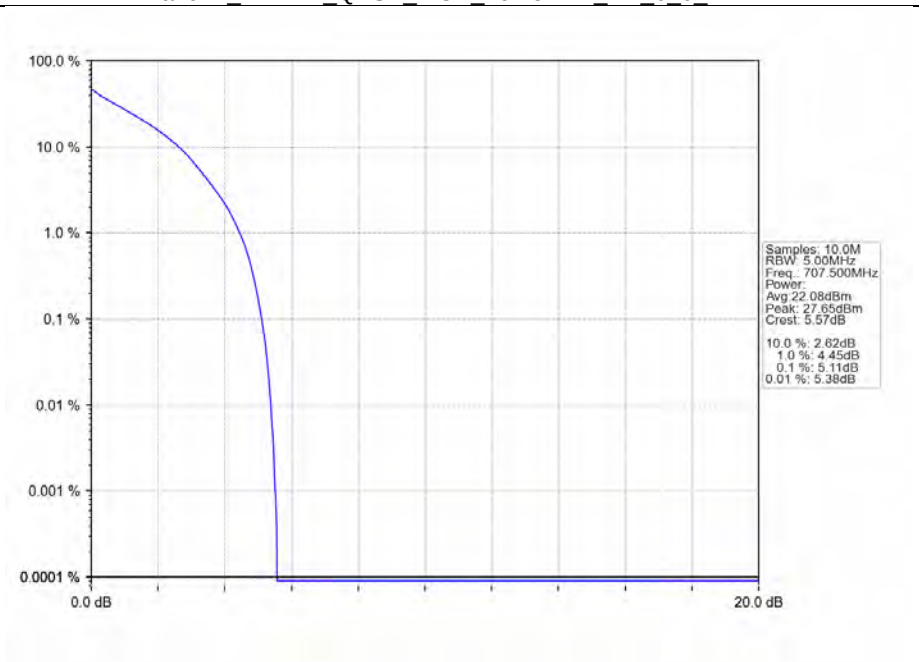
4. Peak-Average Ratio

4.1 B12_1.4MHz

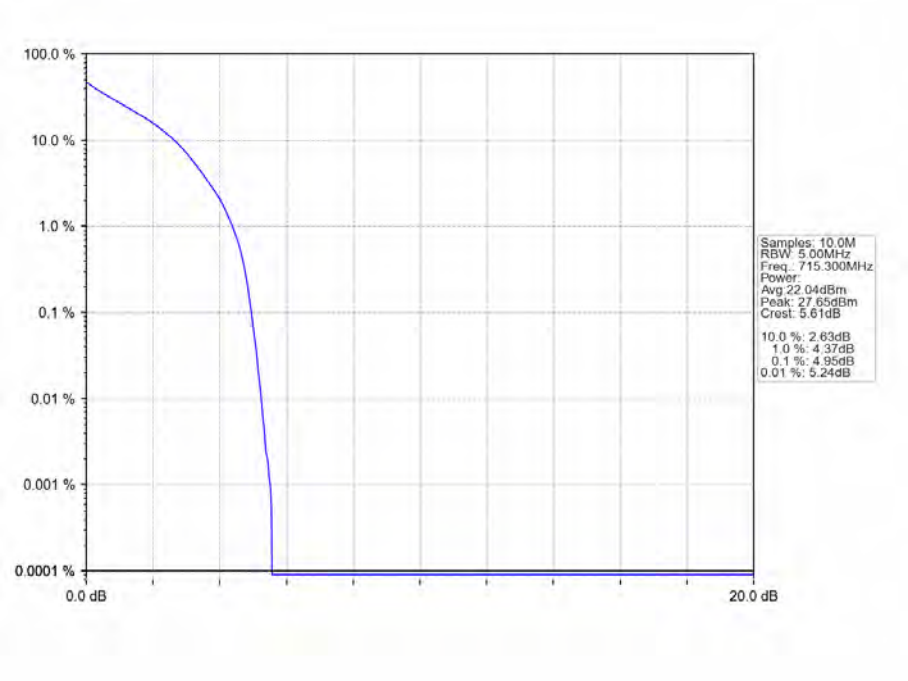
4.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.07	<=13	Pass
	707.5	6	0	5.11	<=13	Pass
	715.3	6	0	4.95	<=13	Pass
16QAM	699.7	6	0	5.98	<=13	Pass
	707.5	6	0	5.94	<=13	Pass
	715.3	6	0	5.79	<=13	Pass

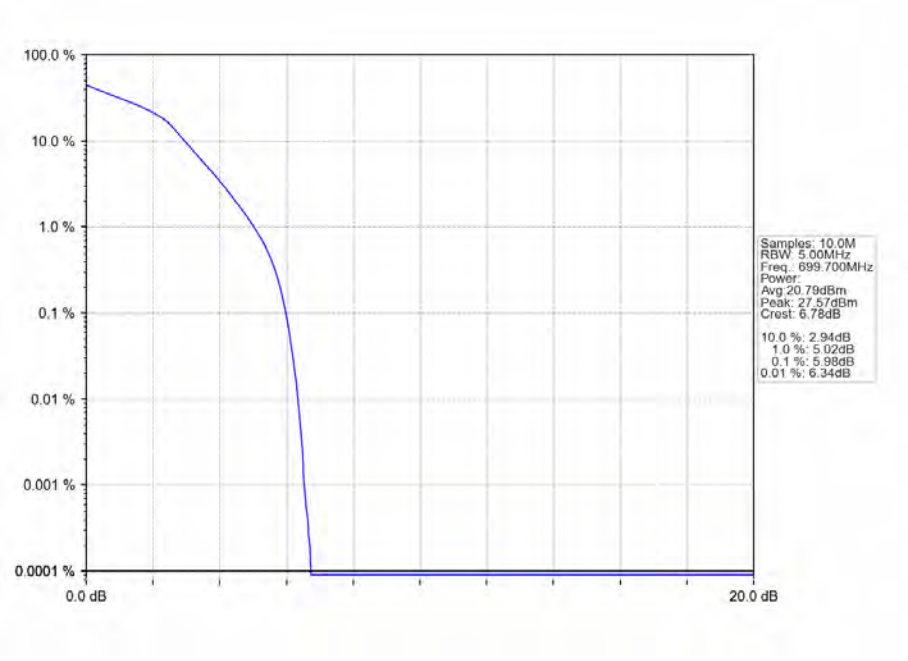
4.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


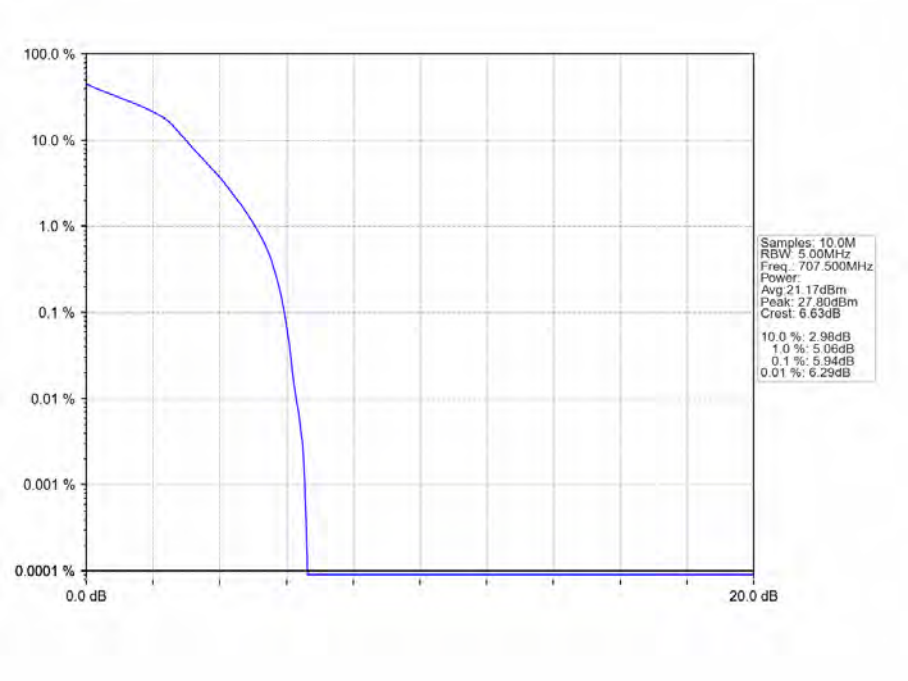
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



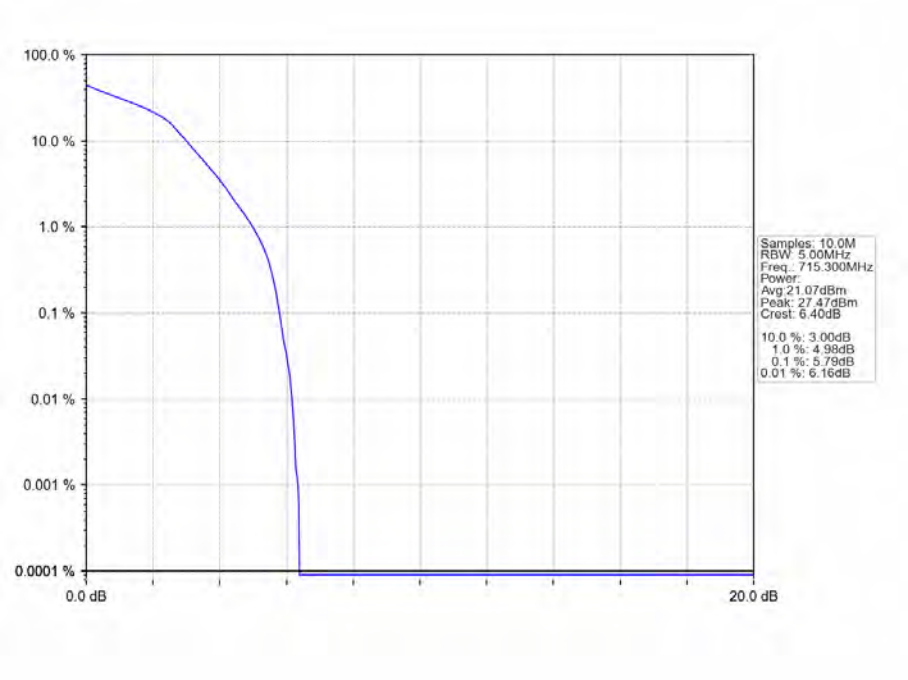
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



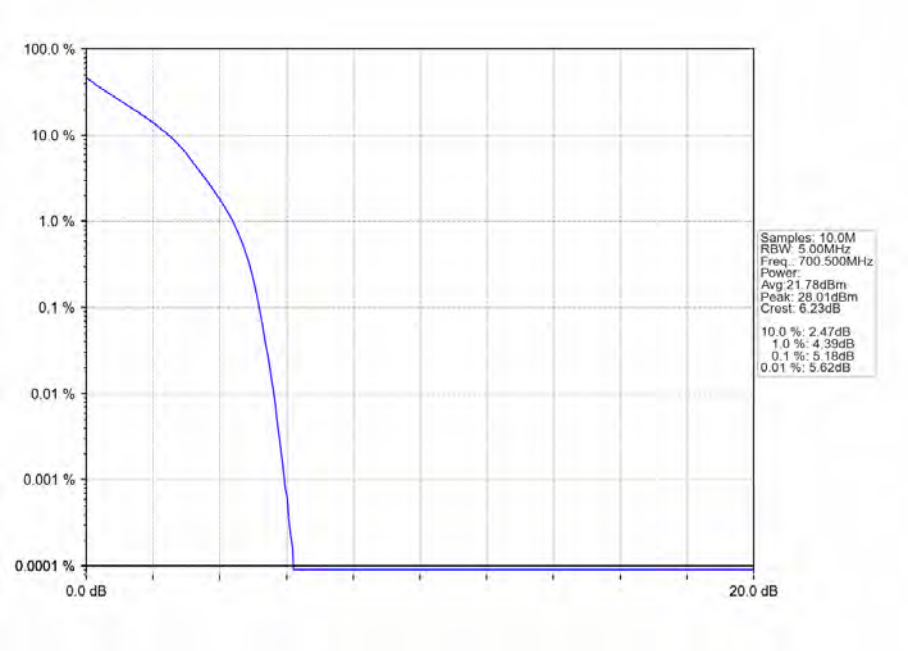
4.2 B12_3MHz

4.2.1 Test Result

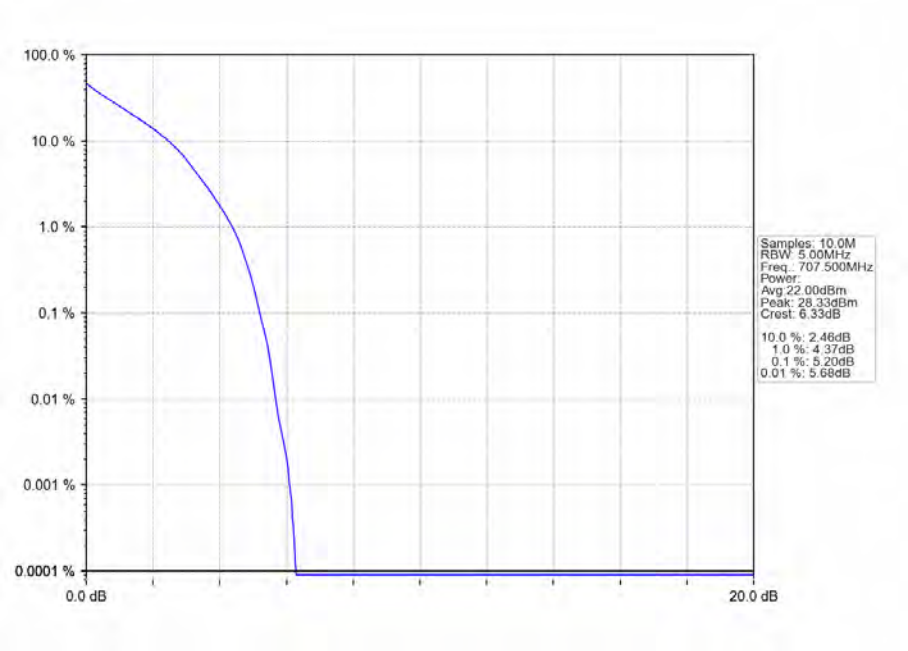
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.18	<=13	Pass
	707.5	15	0	5.20	<=13	Pass
	714.5	15	0	5.15	<=13	Pass
16QAM	700.5	15	0	6.00	<=13	Pass
	707.5	15	0	6.01	<=13	Pass
	714.5	15	0	5.94	<=13	Pass

4.2.2 Test Graph

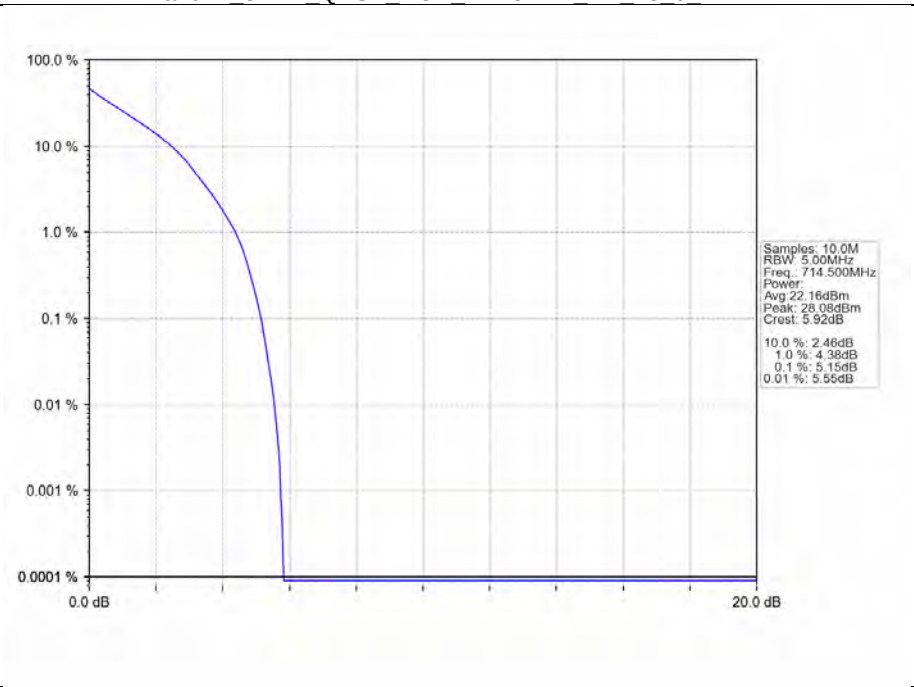
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



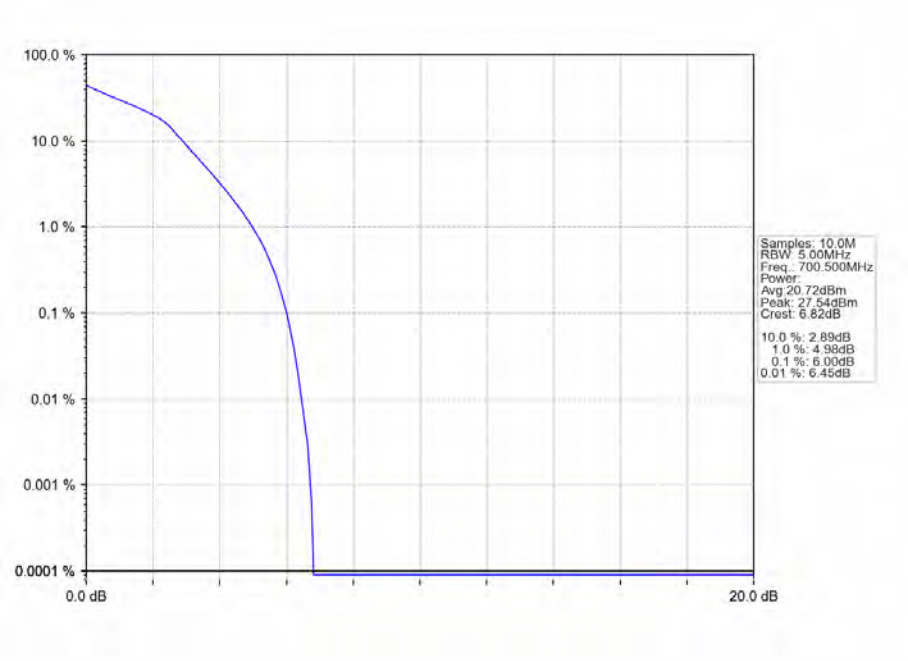
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

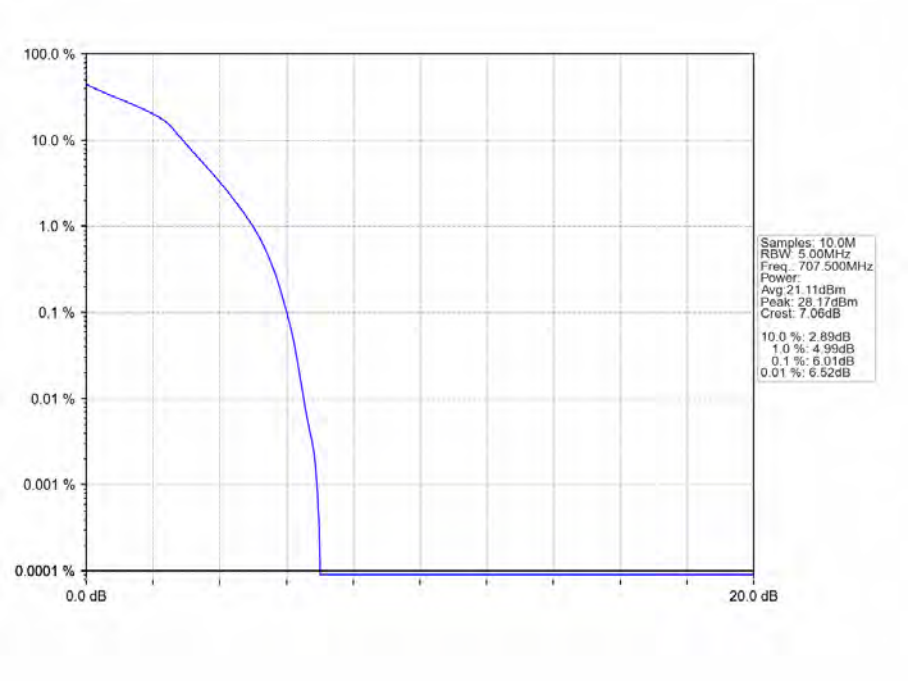


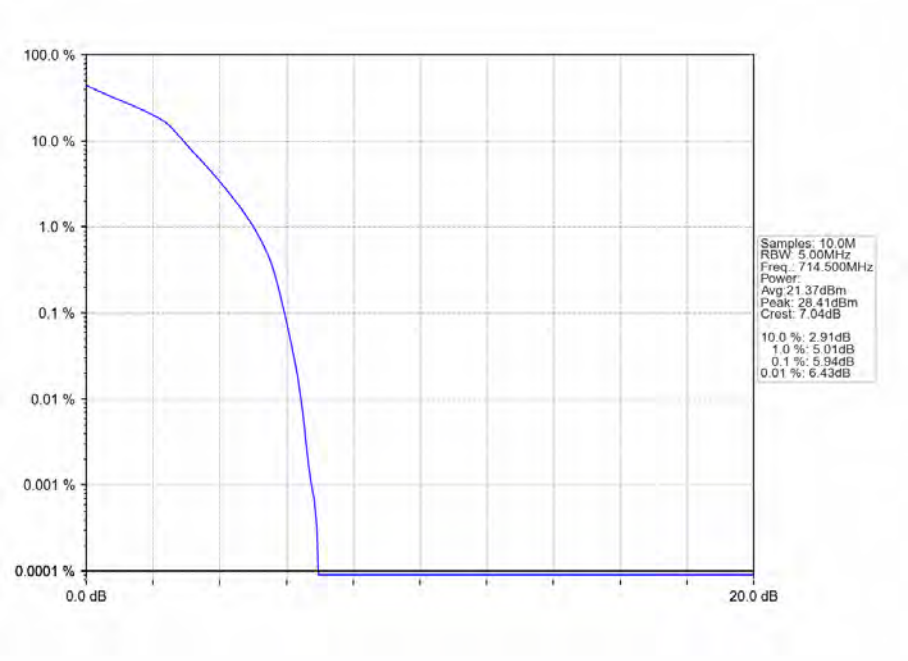
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


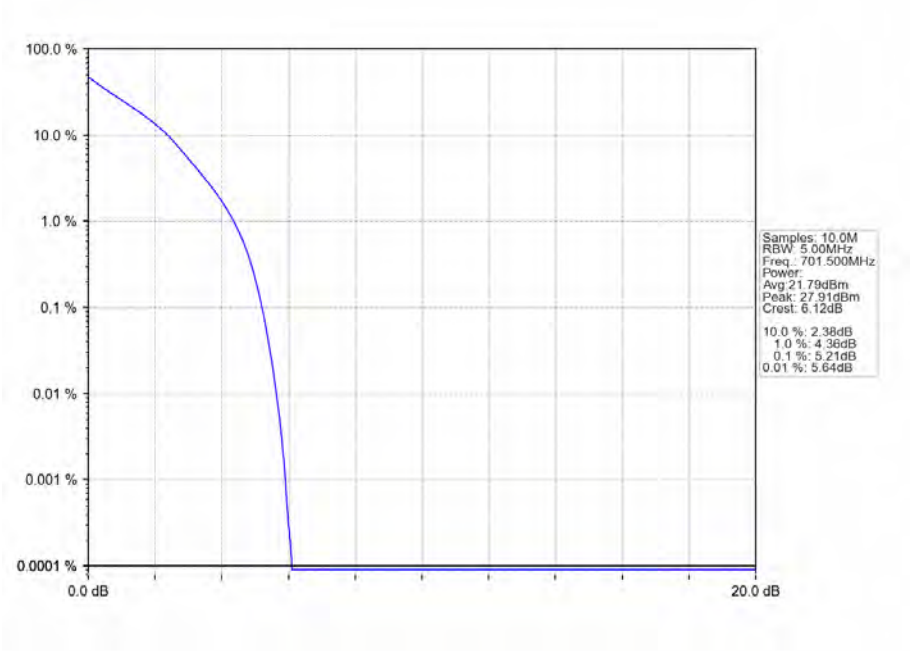
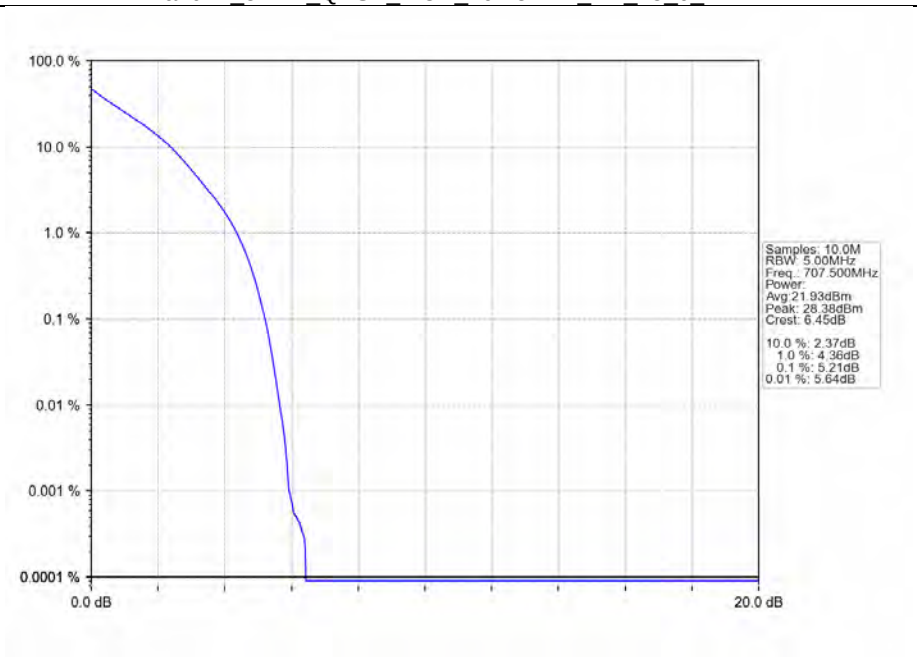
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV


4.3 B12_5MHz

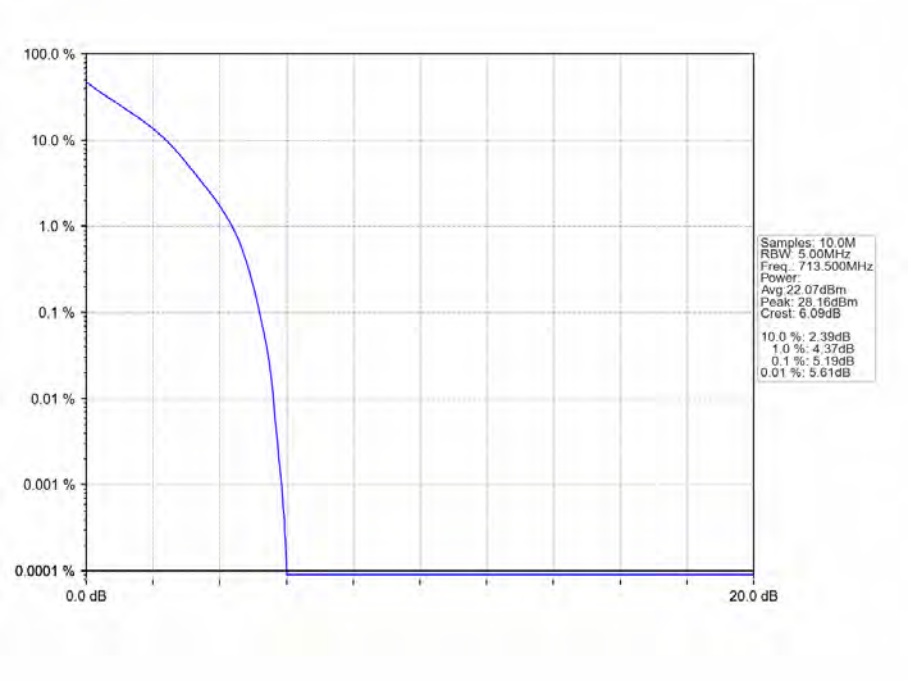
4.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.21	<=13	Pass
	707.5	25	0	5.21	<=13	Pass
	713.5	25	0	5.19	<=13	Pass
16QAM	701.5	25	0	5.98	<=13	Pass
	707.5	25	0	5.97	<=13	Pass
	713.5	25	0	5.95	<=13	Pass

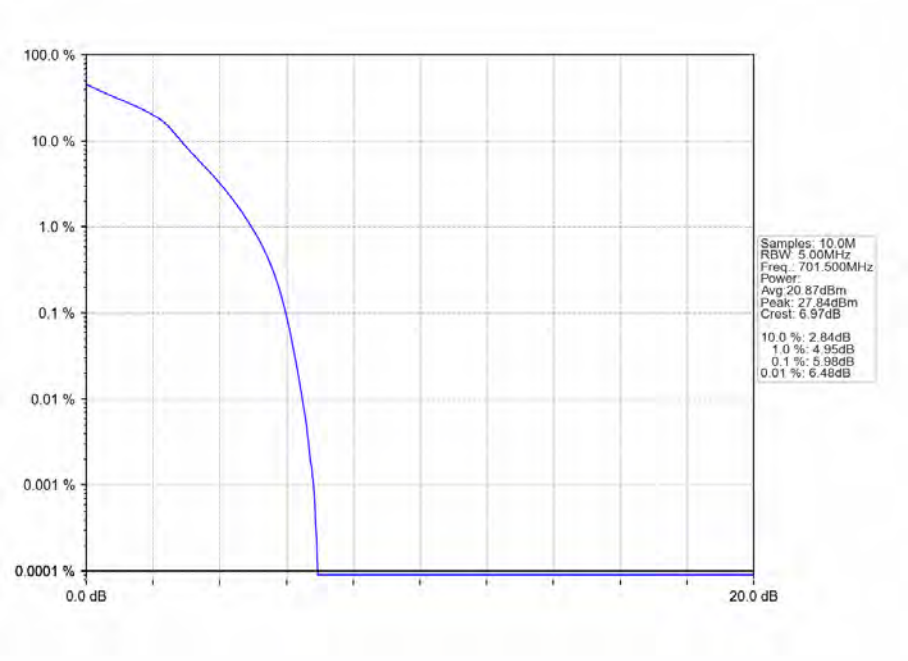
4.3.2 Test Graph

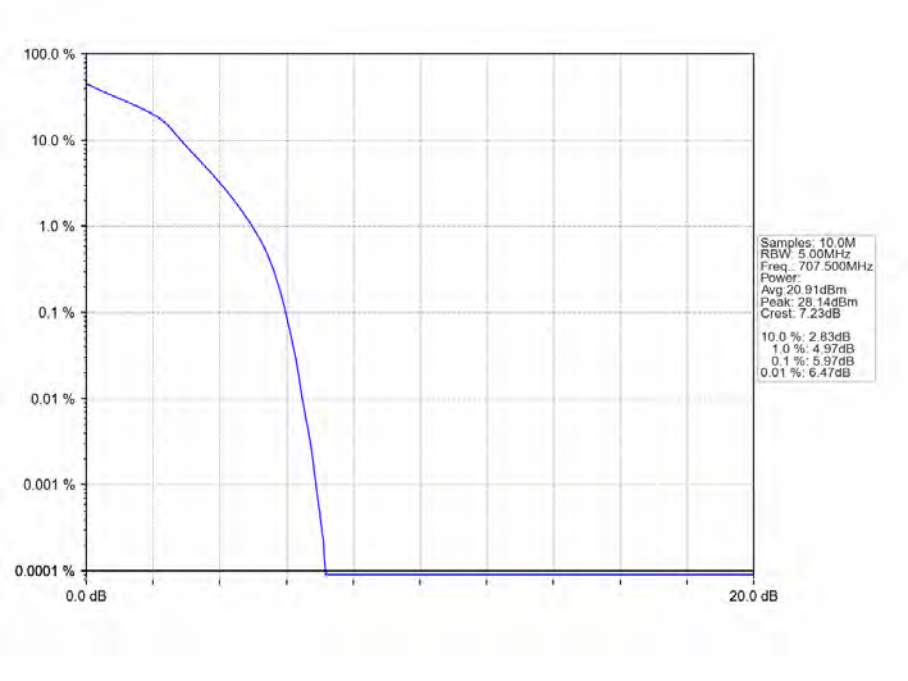
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV


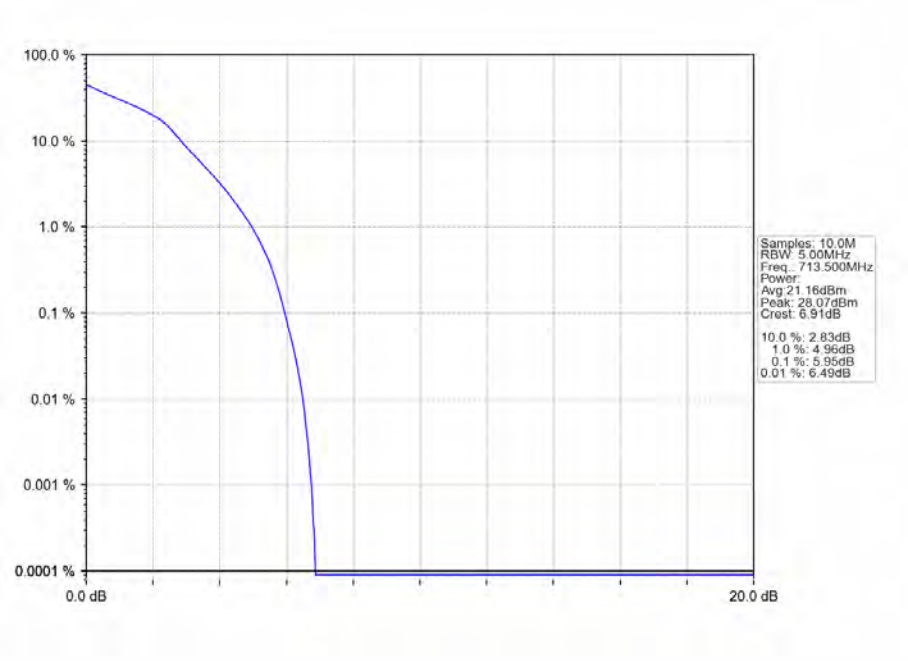
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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


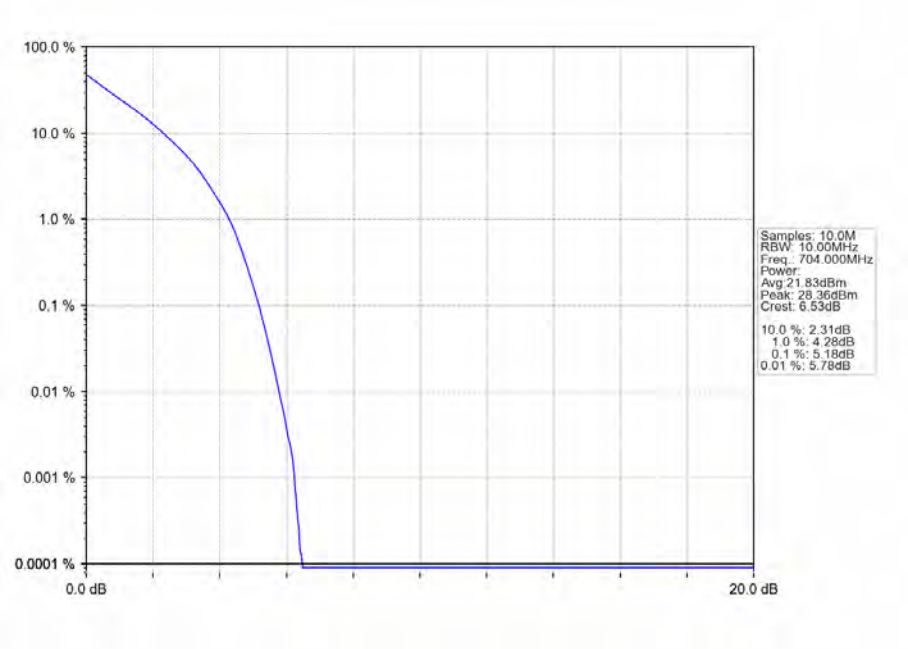
4.4 B12_10MHz

4.4.1 Test Result

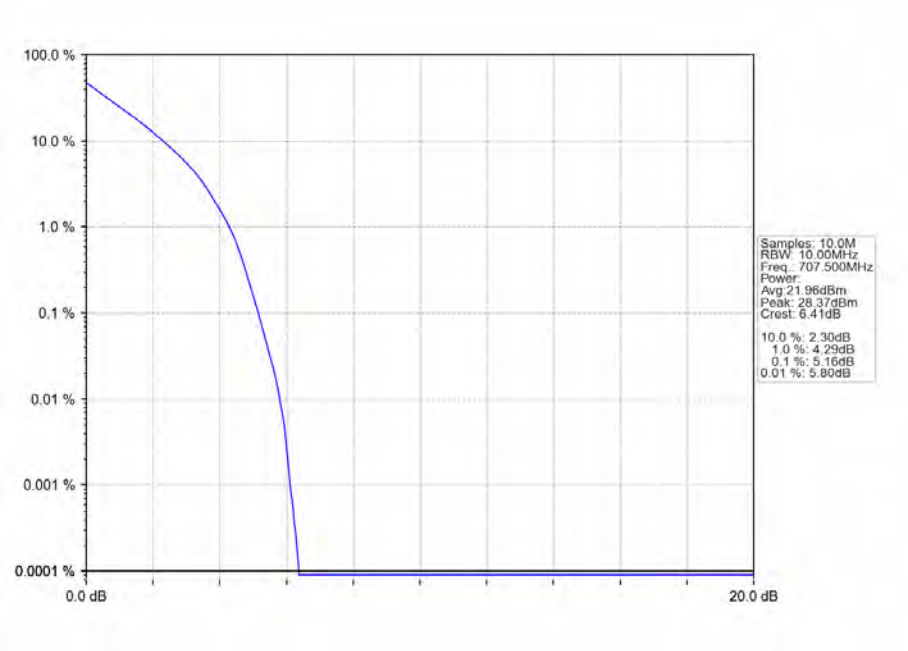
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.18	<=13	Pass
	707.5	50	0	5.16	<=13	Pass
	711	50	0	5.15	<=13	Pass
16QAM	704	50	0	5.94	<=13	Pass
	707.5	50	0	5.97	<=13	Pass
	711	50	0	5.94	<=13	Pass

4.4.2 Test Graph

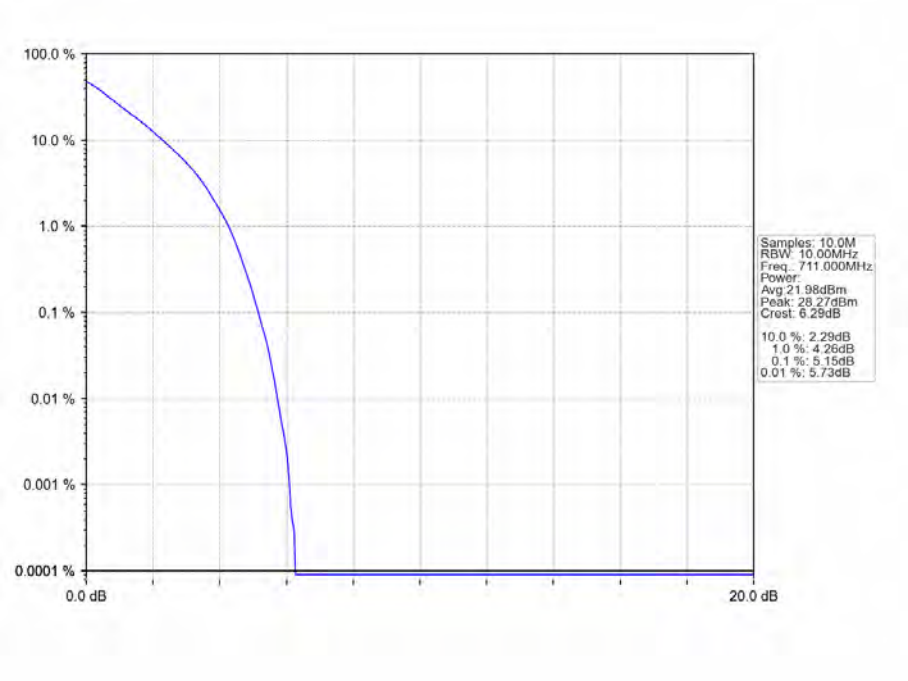
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



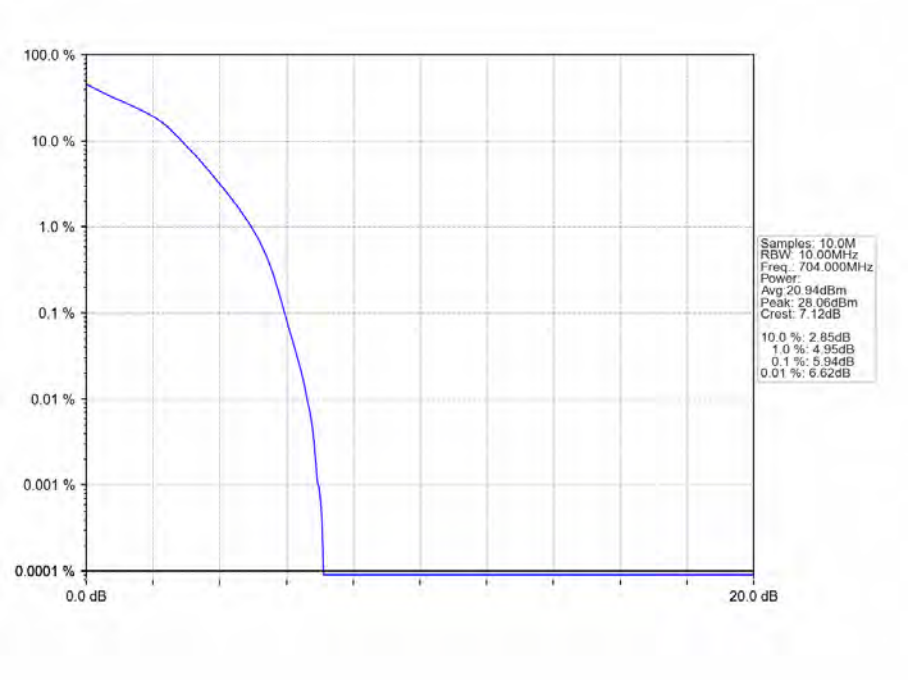
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



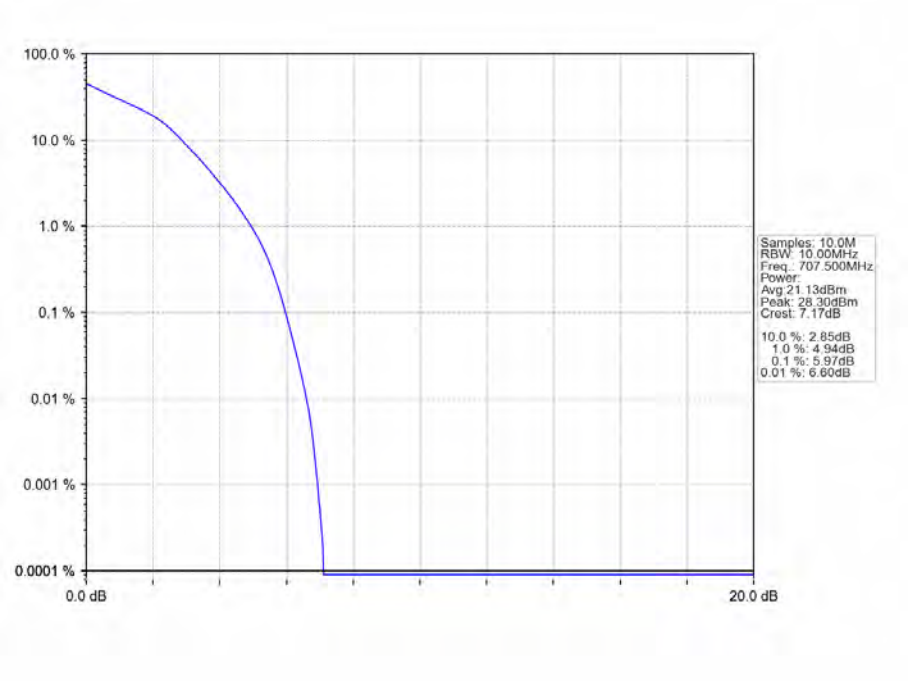
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



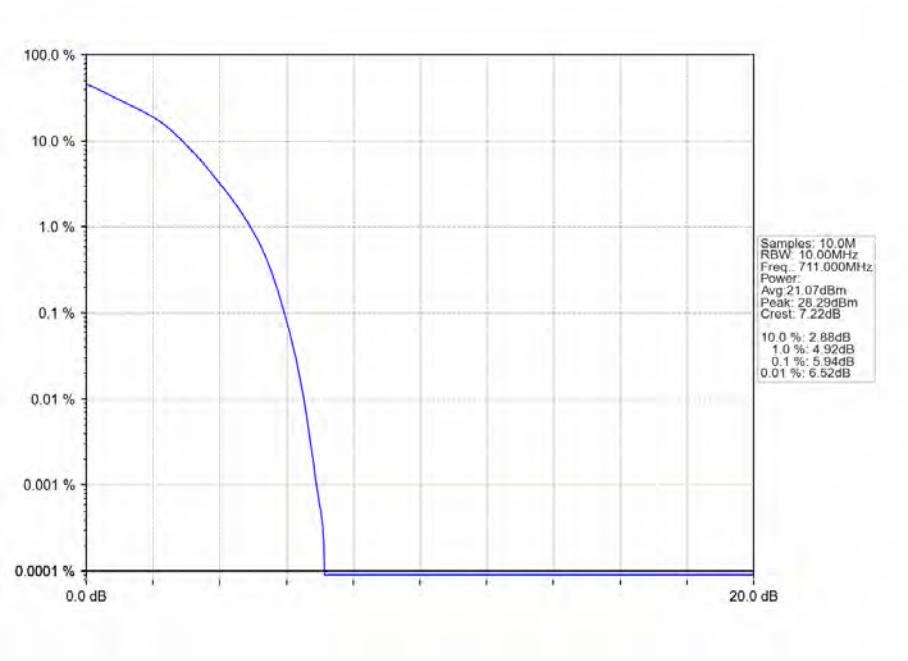
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission

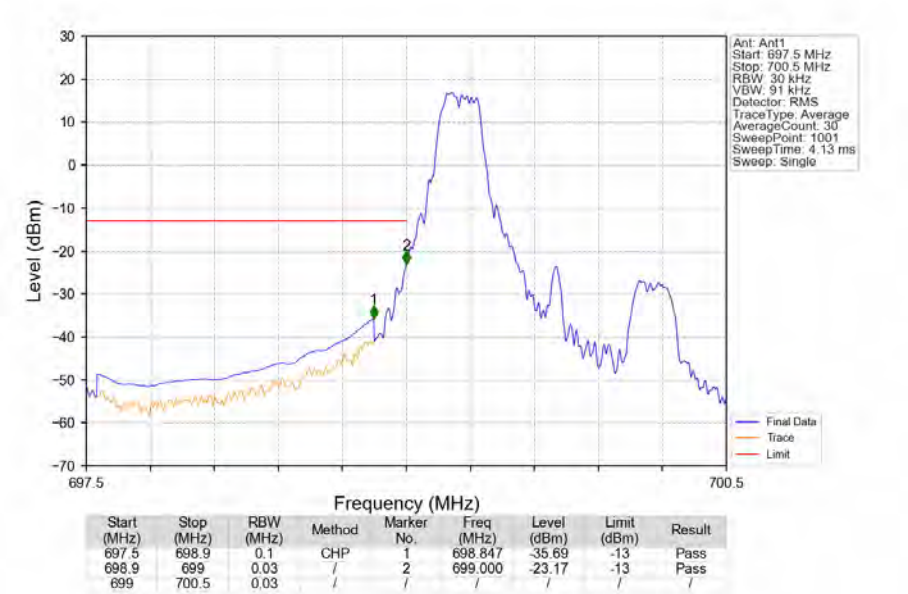
5.1 B12_1.4MHz

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
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

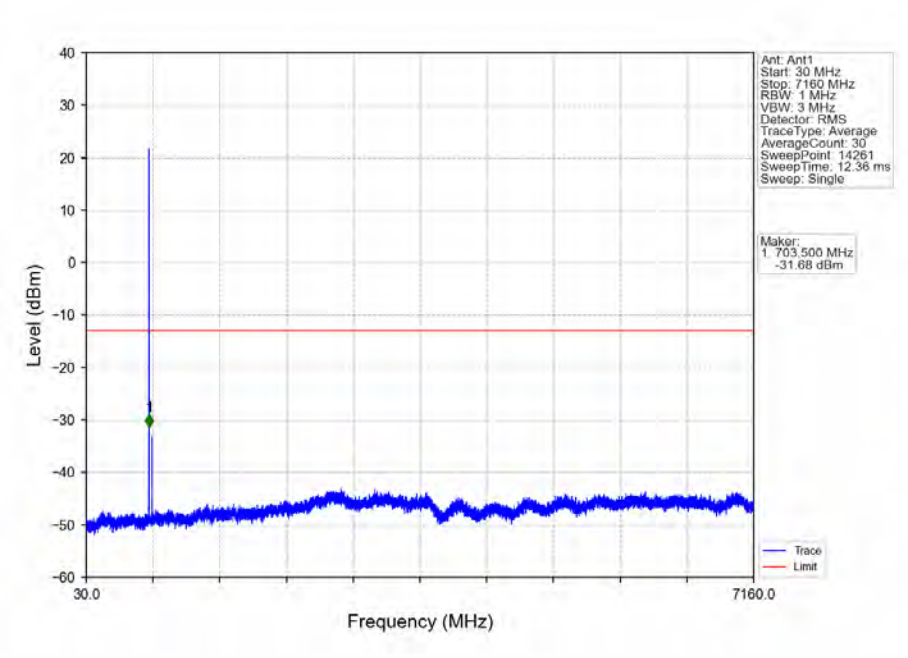
5.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

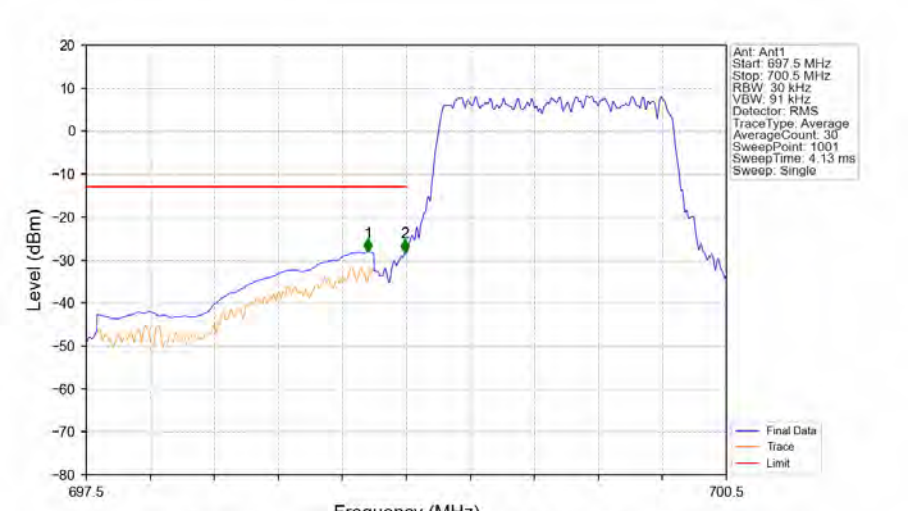


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-35.69	-13	Pass
698.9	699	0.03	/	2	699.000	-23.17	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

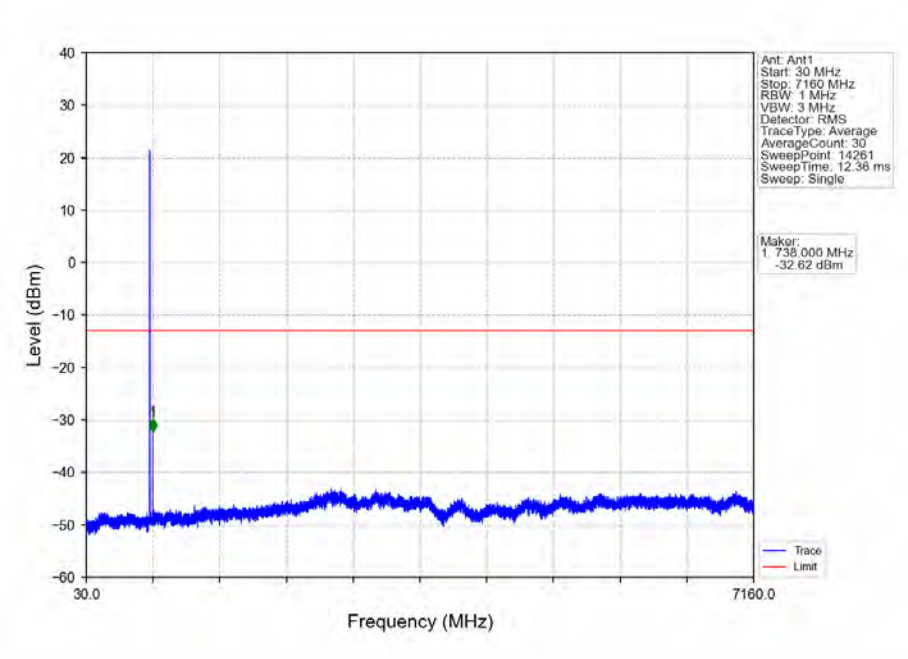


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

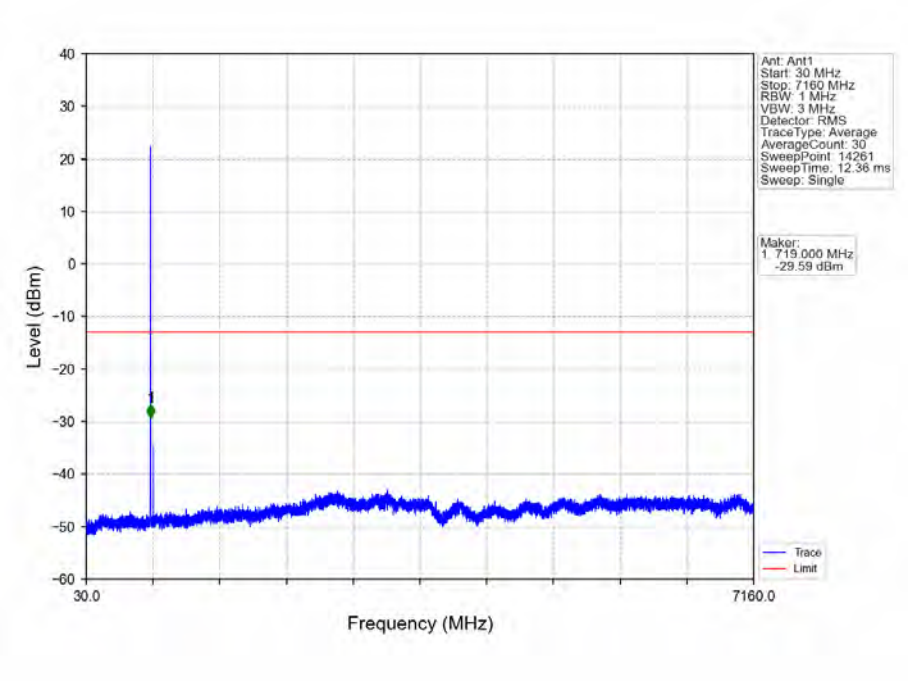


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.820	-28.17	-13	Pass
698.9	699	0.03	/	2	698.994	-28.24	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

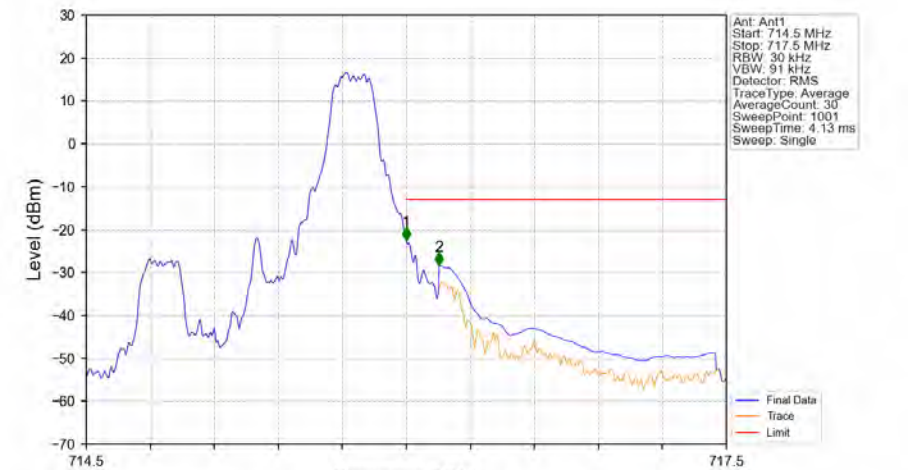
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

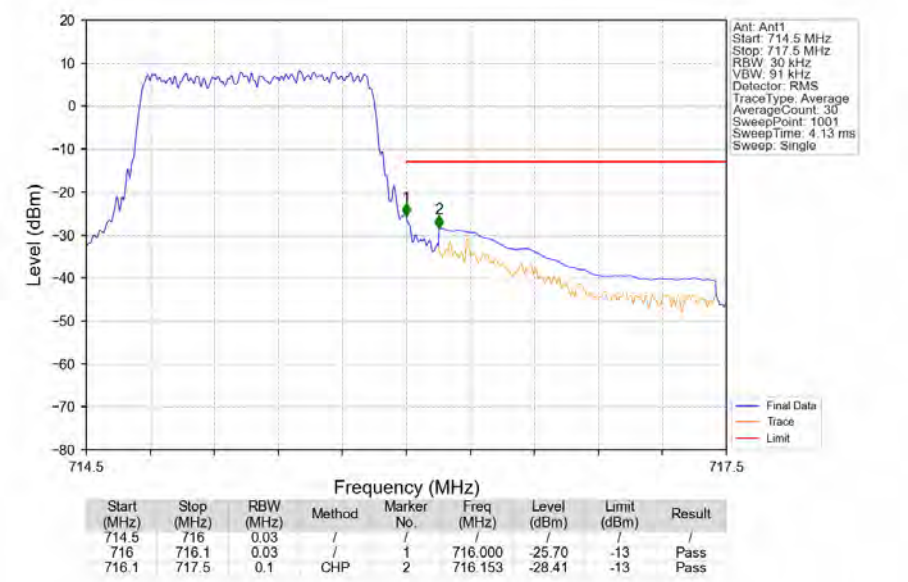


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



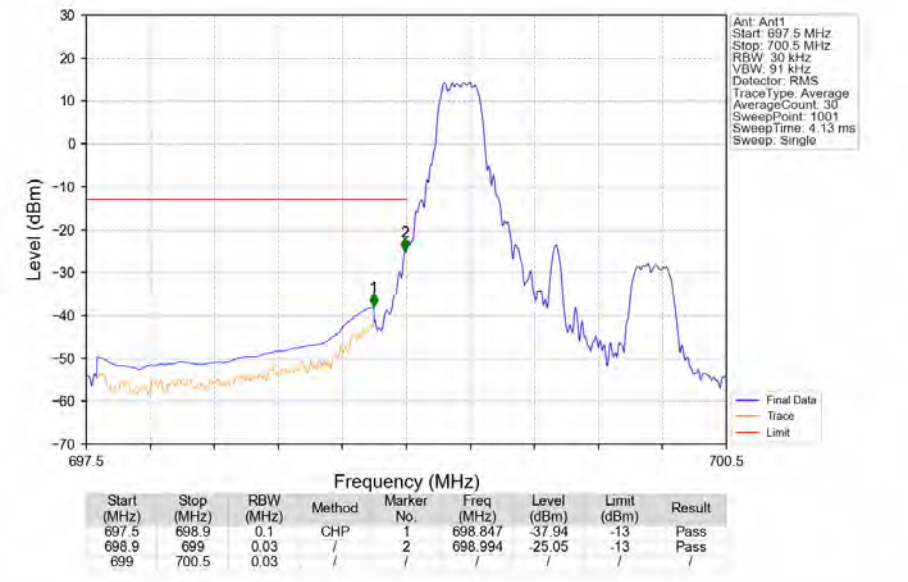
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-22.63	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-28.41	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



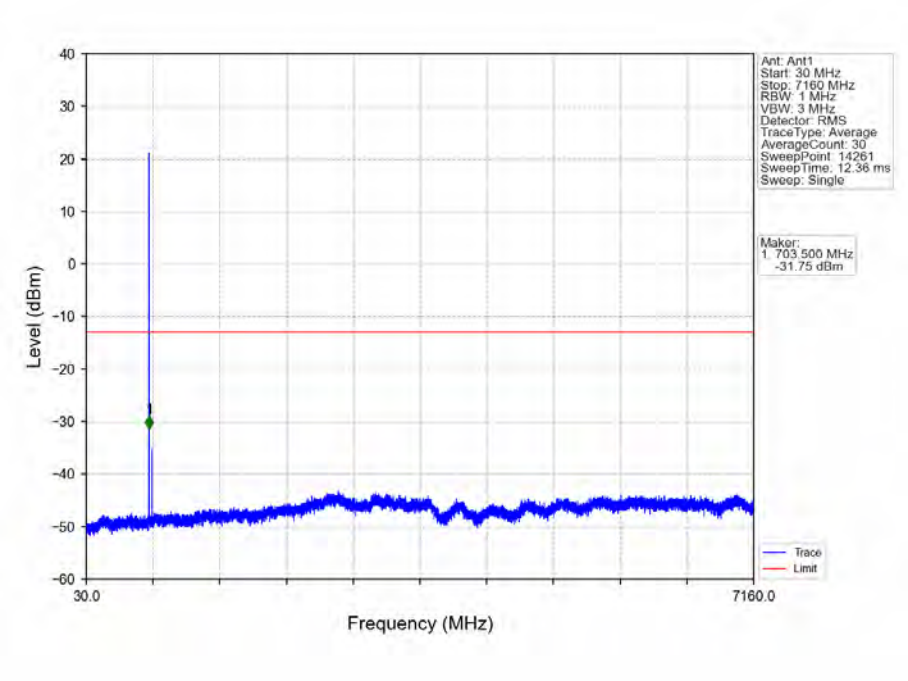
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-25.70	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-28.41	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

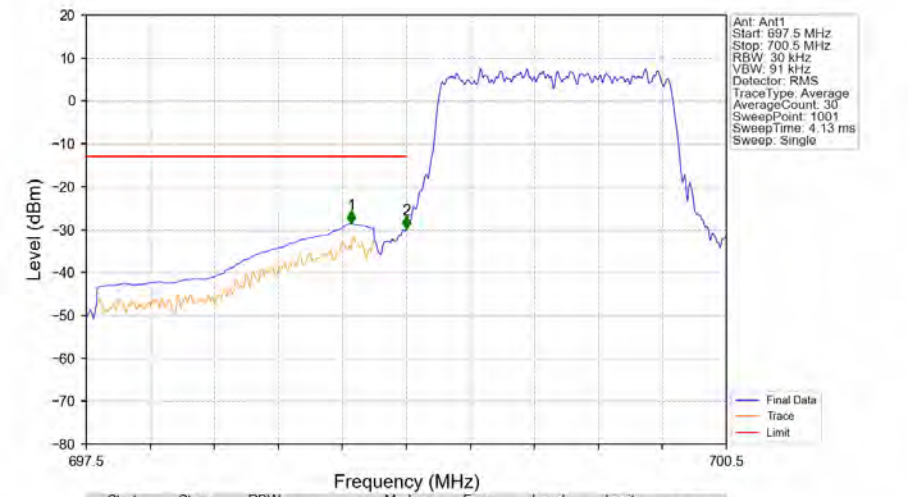


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-37.94	-13	Pass
698.9	699	0.03	/	2	698.994	-25.05	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

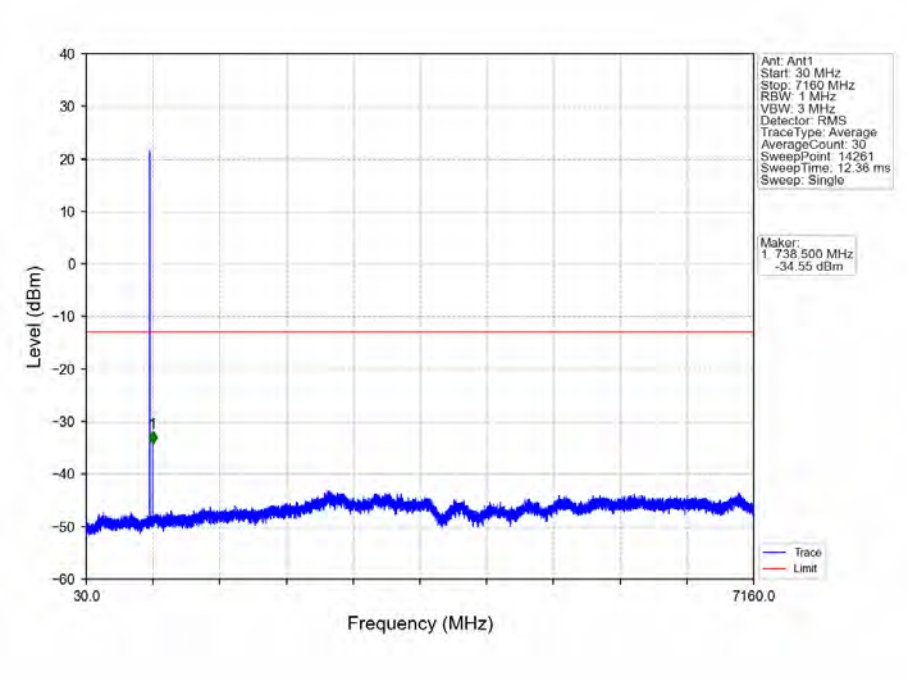


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

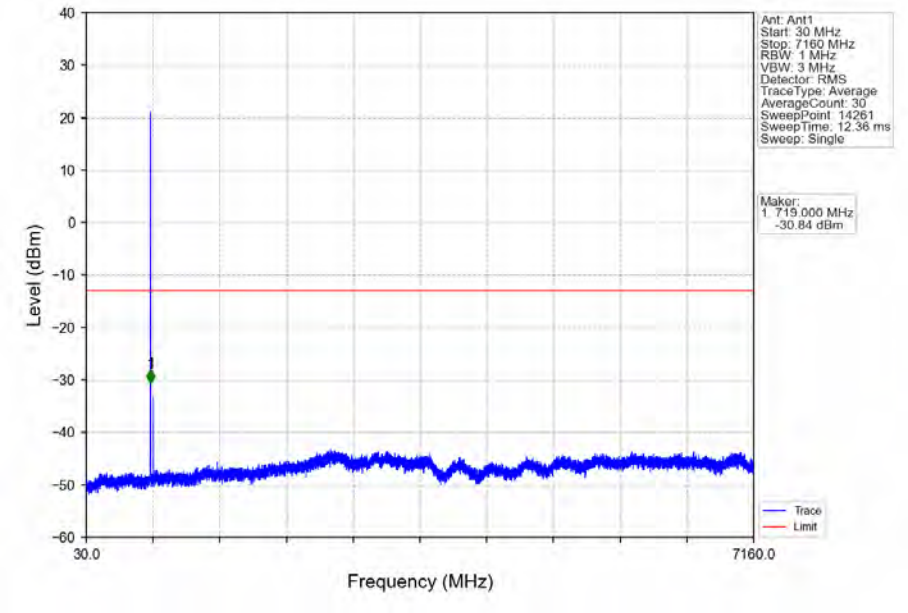


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.742	-28.63	-13	Pass
698.9	699	0.03	/	2	699.000	-29.98	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

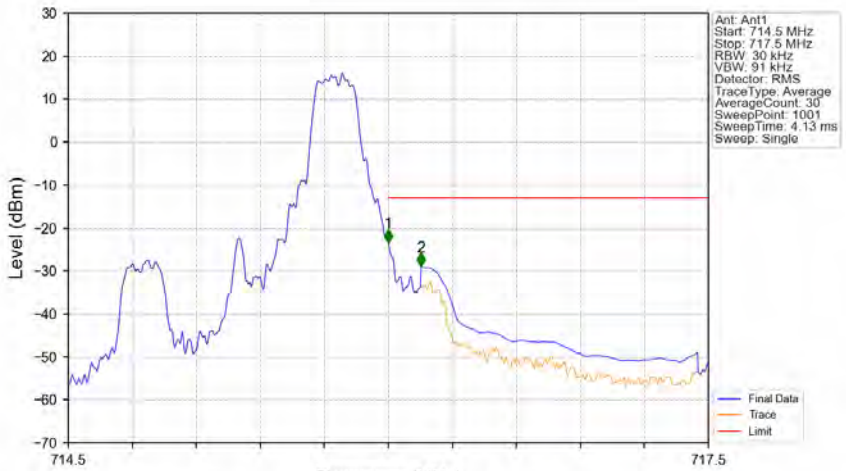
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

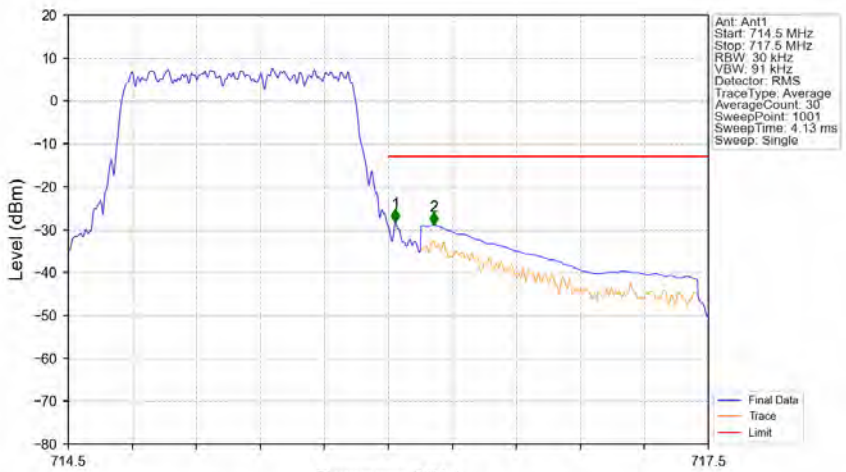


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



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	716.000	-23.37	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-28.89	-13	Pass

Band12_1.4MHz_16QAM_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	716.033	-28.33	-13	Pass
716.1	717.5	0.1	CHP	2	716.213	-29.01	-13	Pass

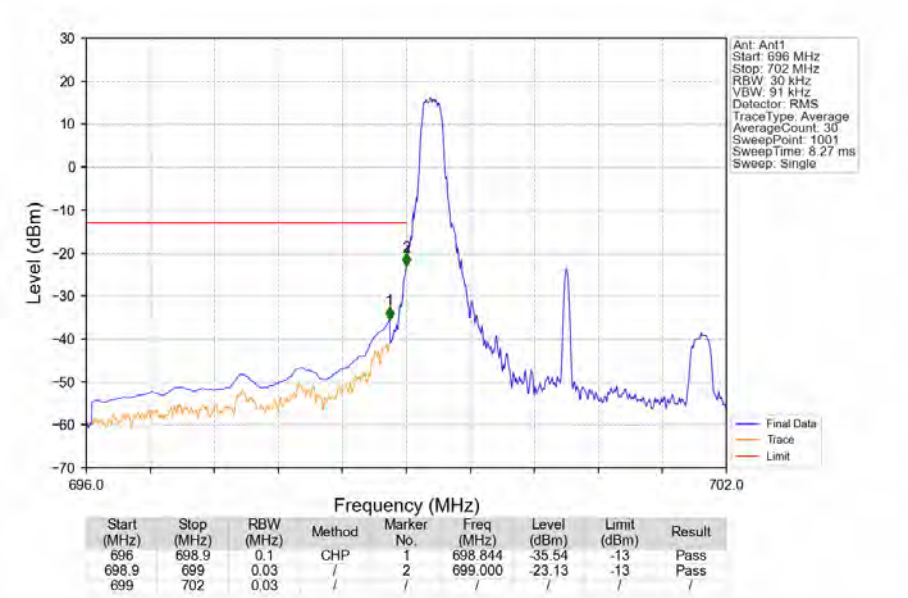
5.2 B12_3MHz

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
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

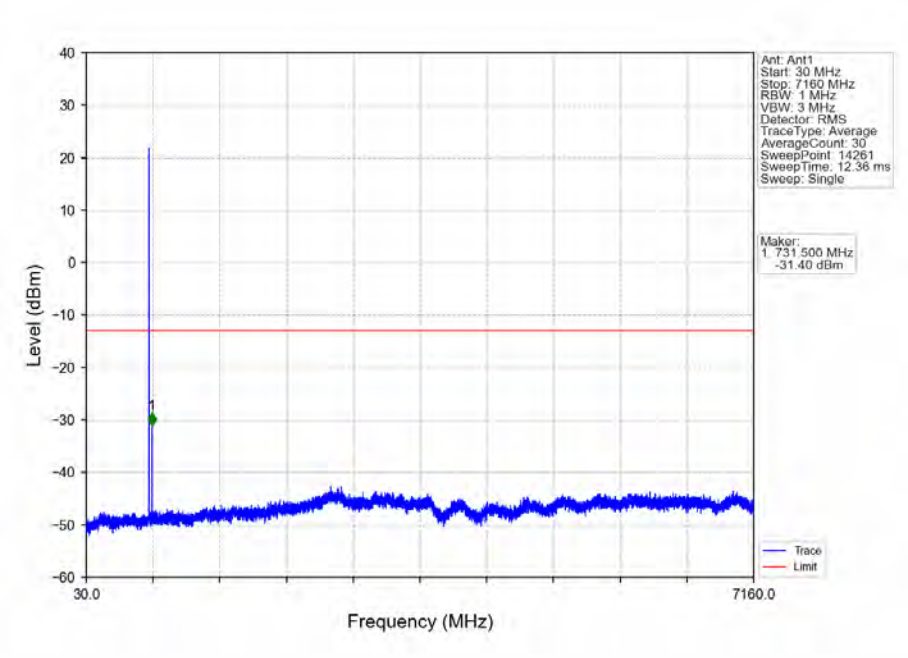
5.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

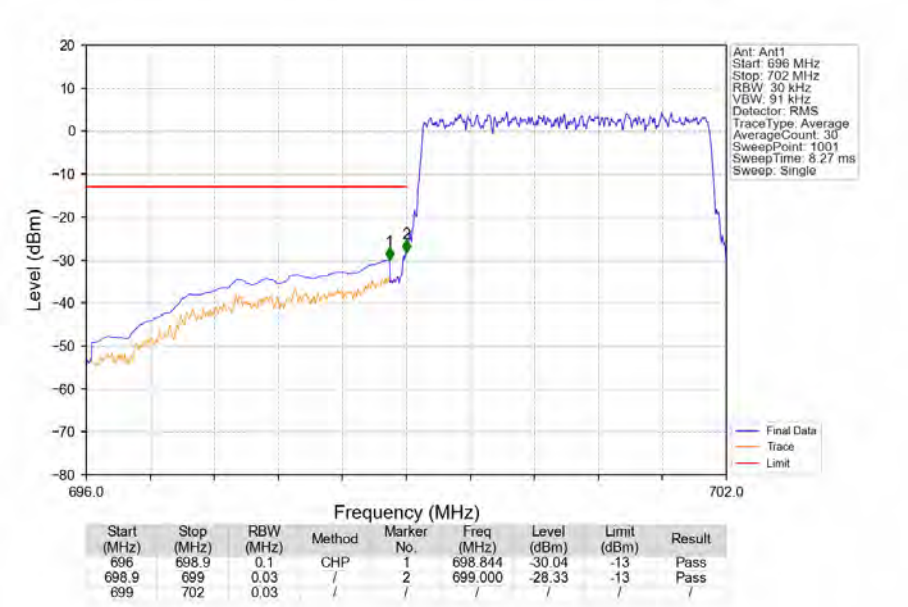


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-35.54	-13	Pass
698.9	699	0.03	/	2	699.000	-23.13	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

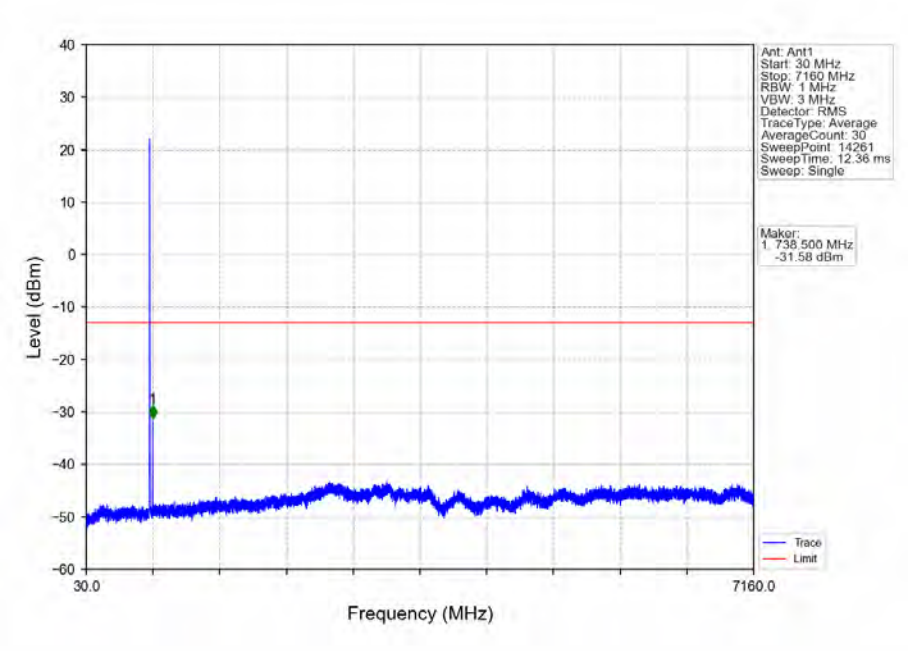


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

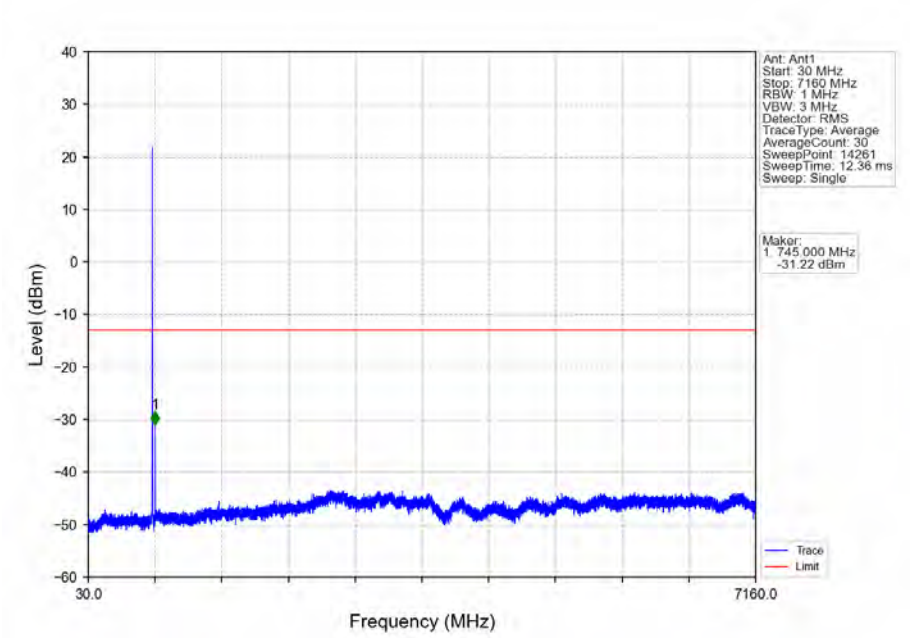


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.04	-13	Pass
698.9	699	0.03	/	2	699.000	-28.33	-13	Pass
699	702	0.03	/	/	/	/	/	/

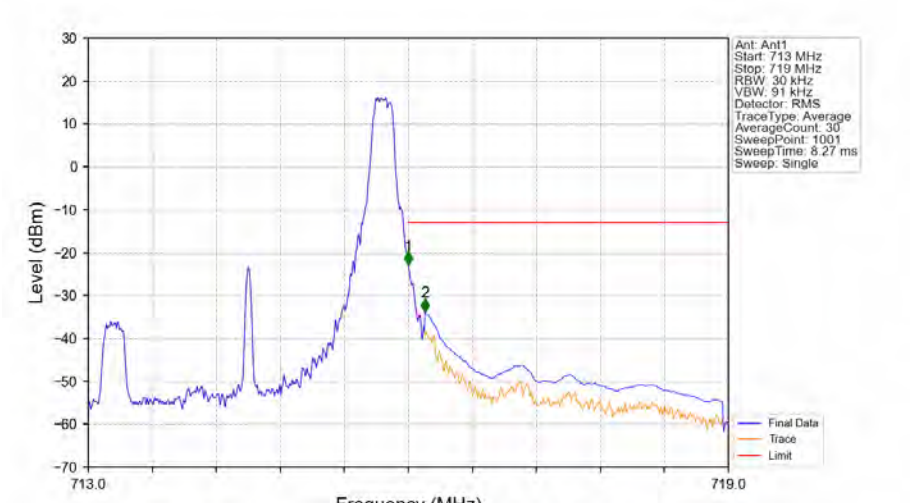
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

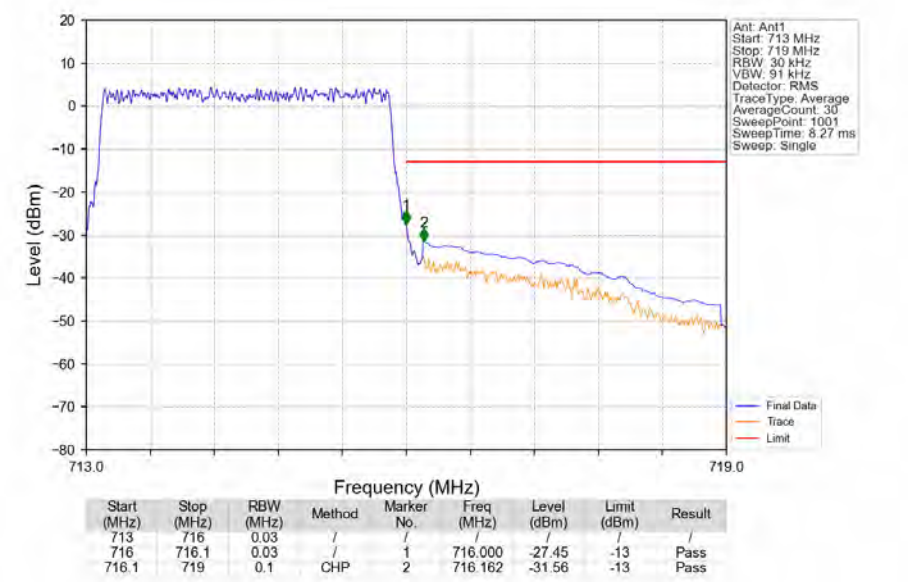


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



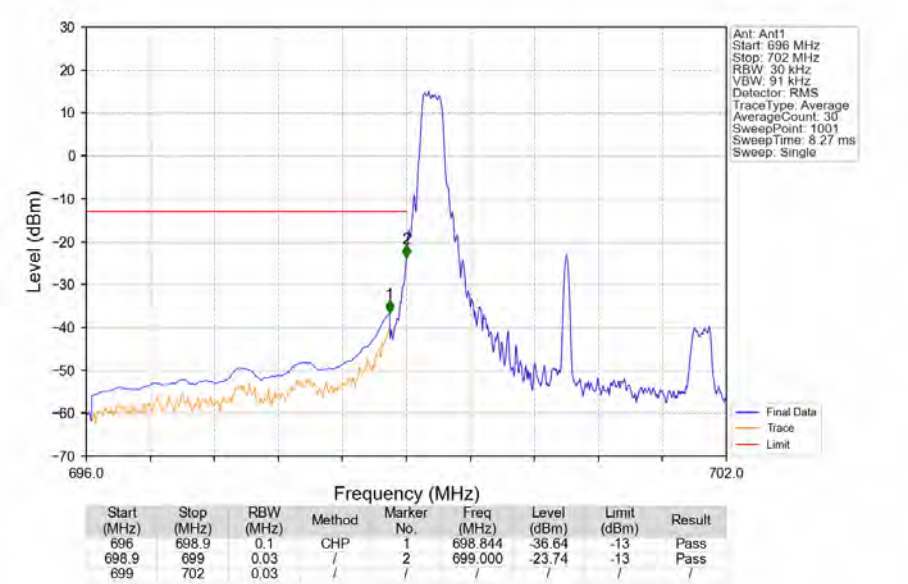
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-22.86	-13	Pass
716.1	719	0.1	CHP	2	716.156	-33.78	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



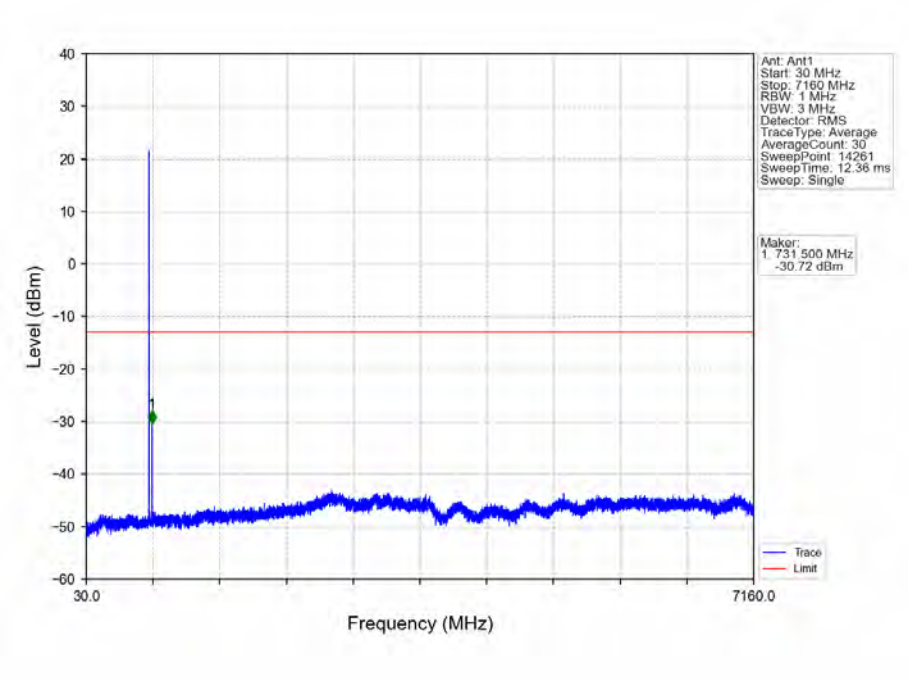
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-27.45	-13	Pass
716.1	719	0.1	CHP	2	716.162	-31.56	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

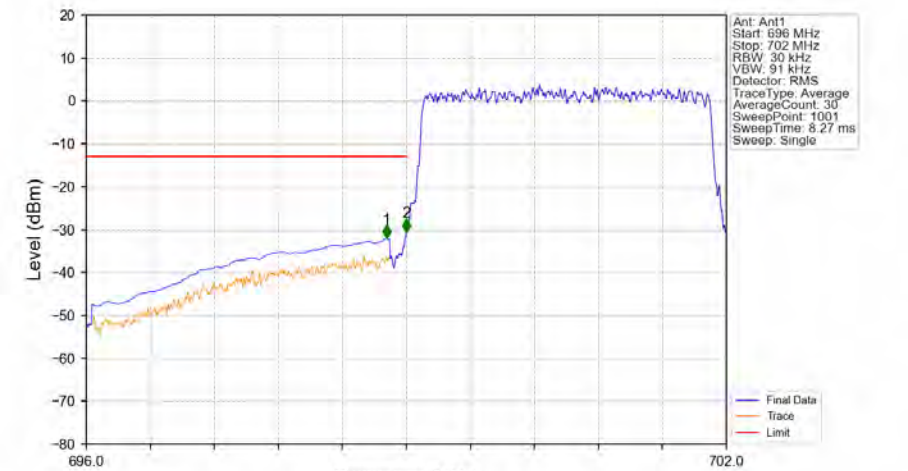


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-36.64	-13	Pass
698.9	699	0.03	/	2	699.000	-23.74	-13	Pass
699	702	0.03	/	/	/	/	/	/

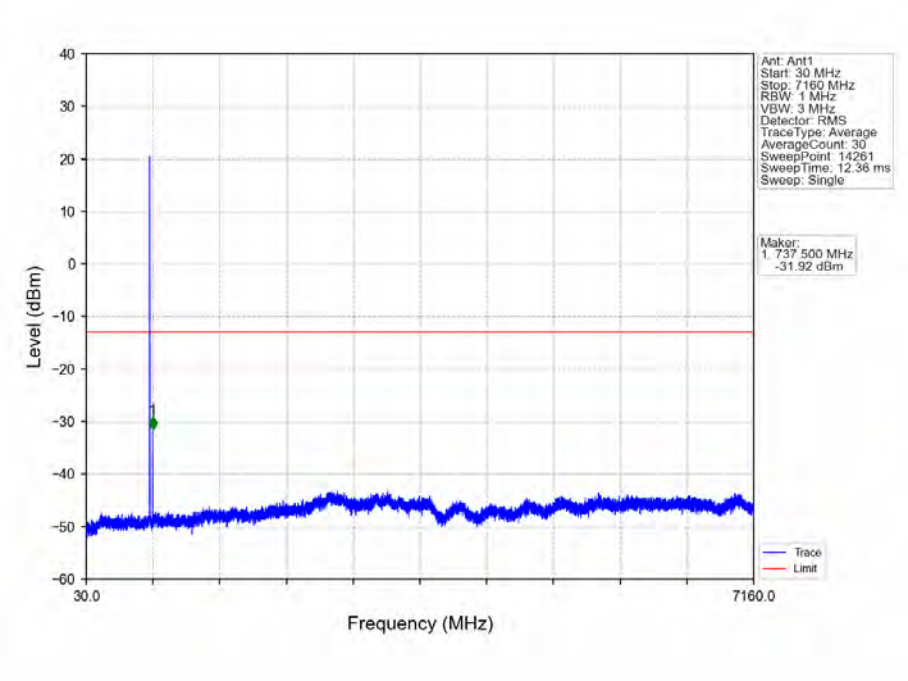
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

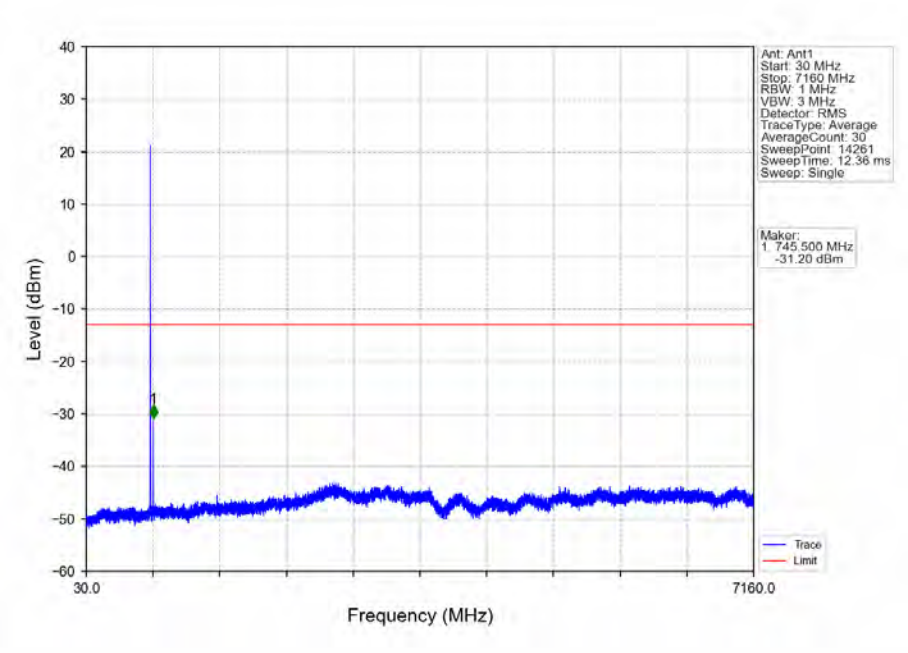


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

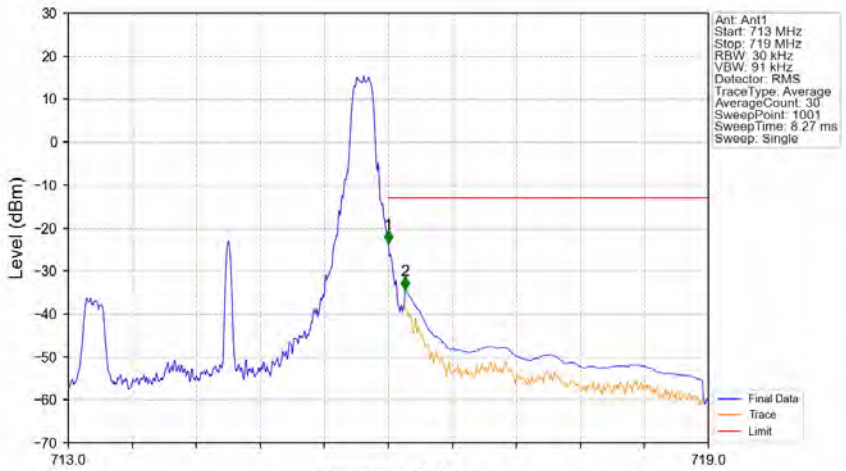


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.814	-32.10	-13	Pass
698.9	699	0.03	/	2	699.000	-30.53	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV


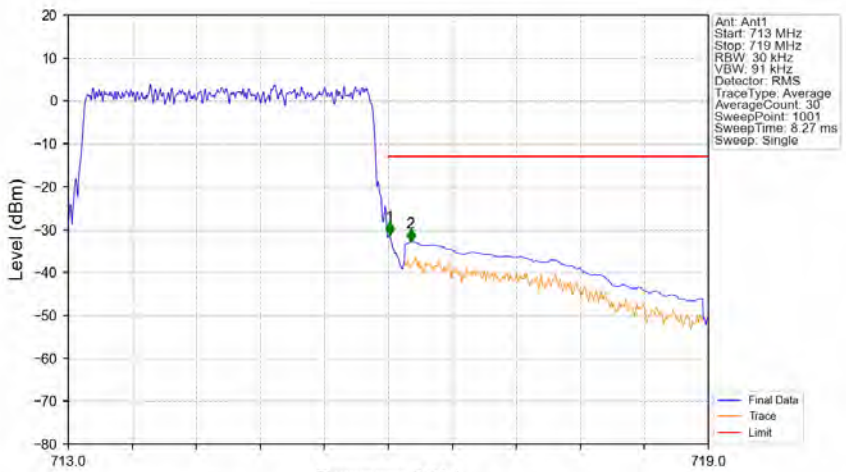
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_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	-23.65	-13	Pass
716.1	719	0.1	CHP	2	716.156	-34.43	-13	Pass

Band12_3MHz_16QAM_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	-31.30	-13	Pass
716.1	719	0.1	CHP	2	716.210	-32.95	-13	Pass

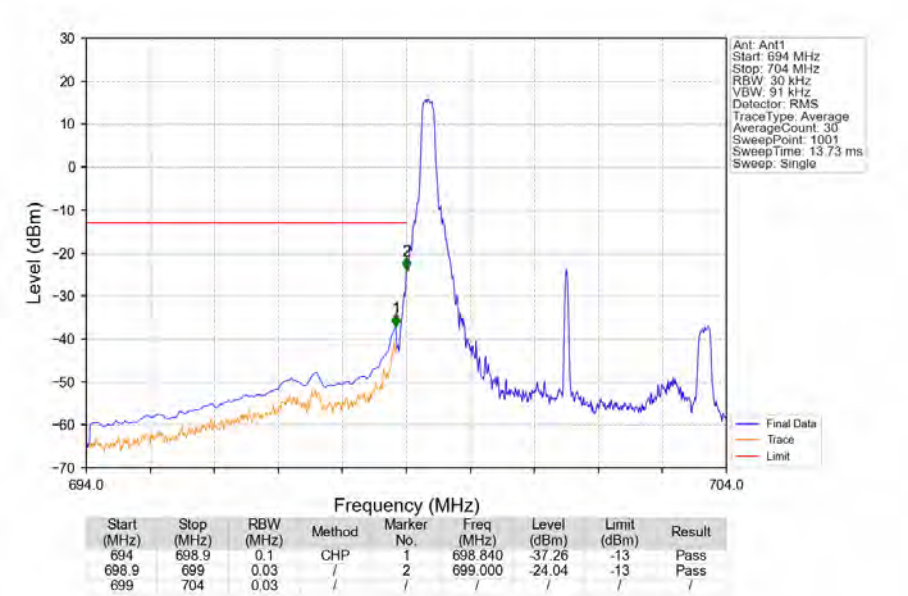
5.3 B12_5MHz

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
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

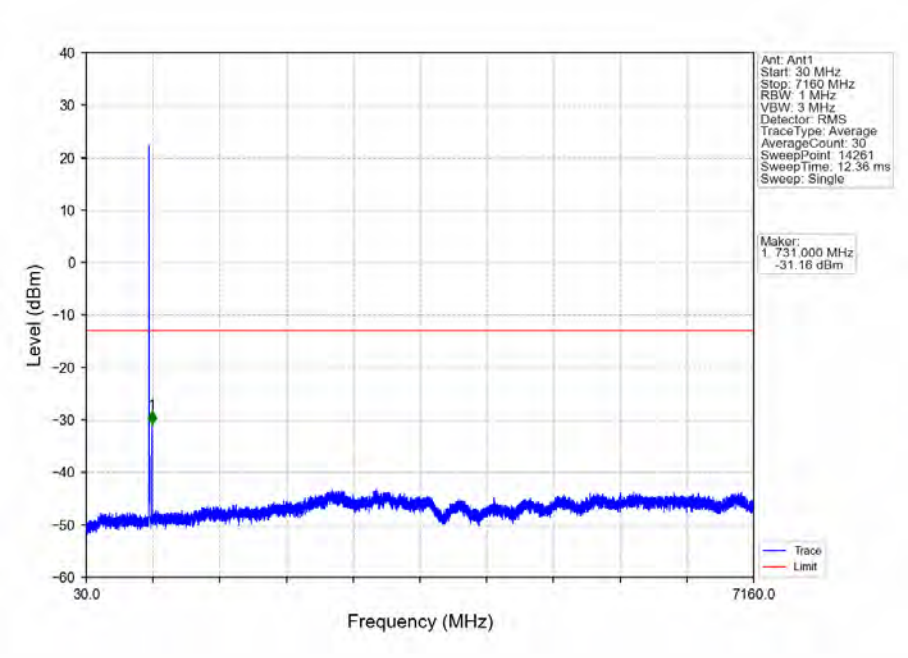
5.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

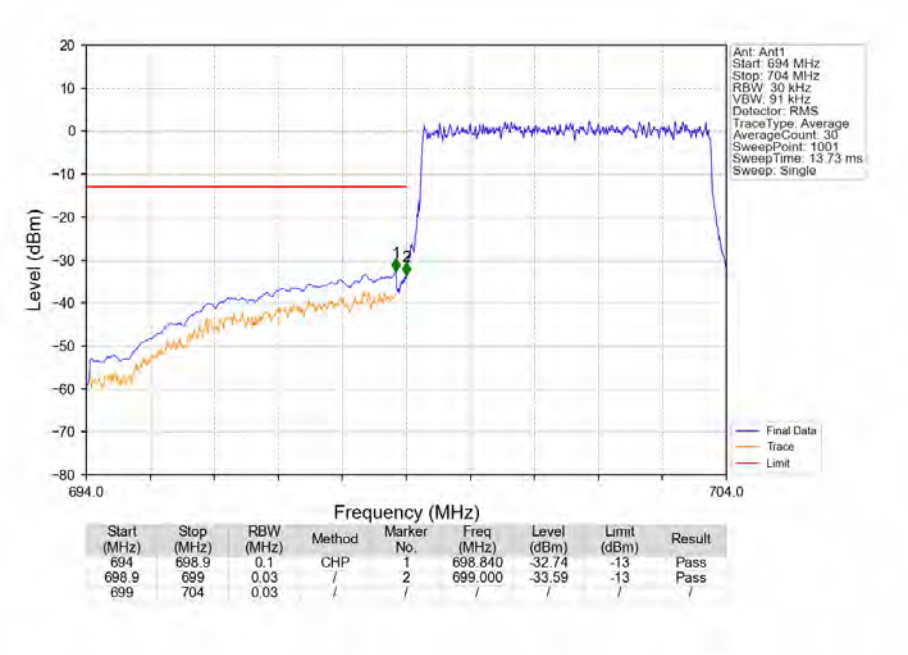


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-37.26	-13	Pass
698.9	699	0.03	/	2	699.000	-24.04	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

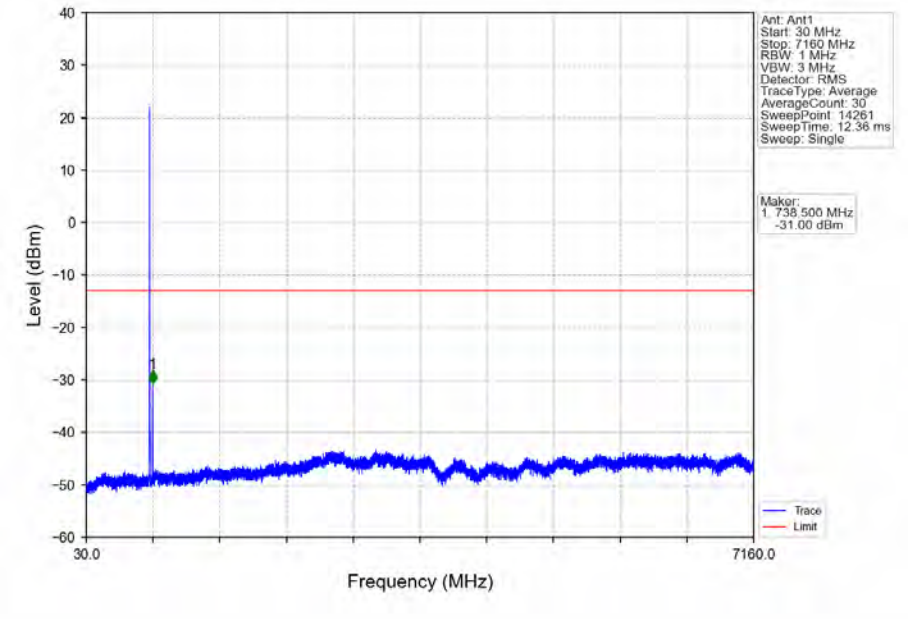


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

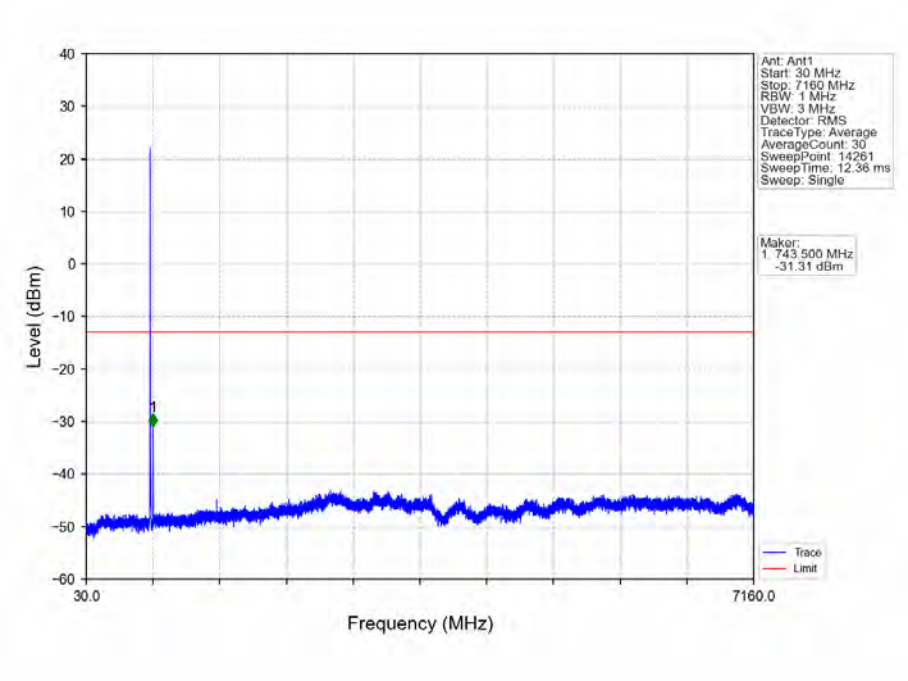


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.74	-13	Pass
698.9	699	0.03	/	2	699.000	-33.59	-13	Pass
699	704	0.03	/	/	/	/	/	/

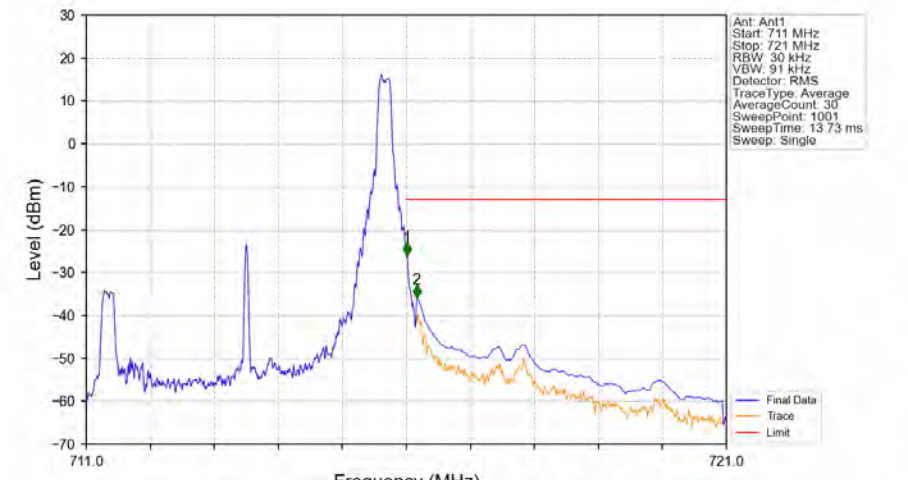
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

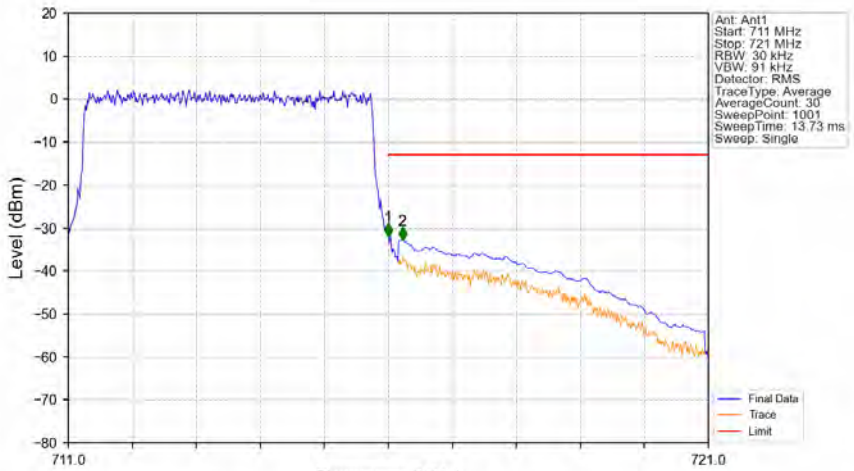


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



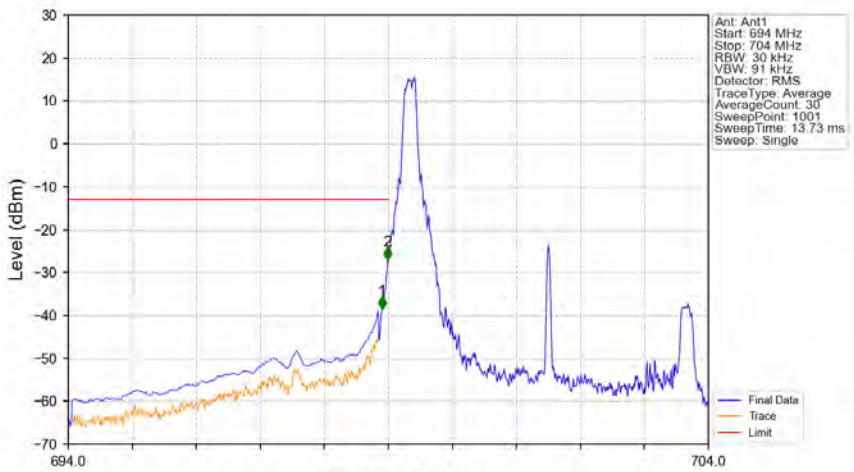
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.08	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.97	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



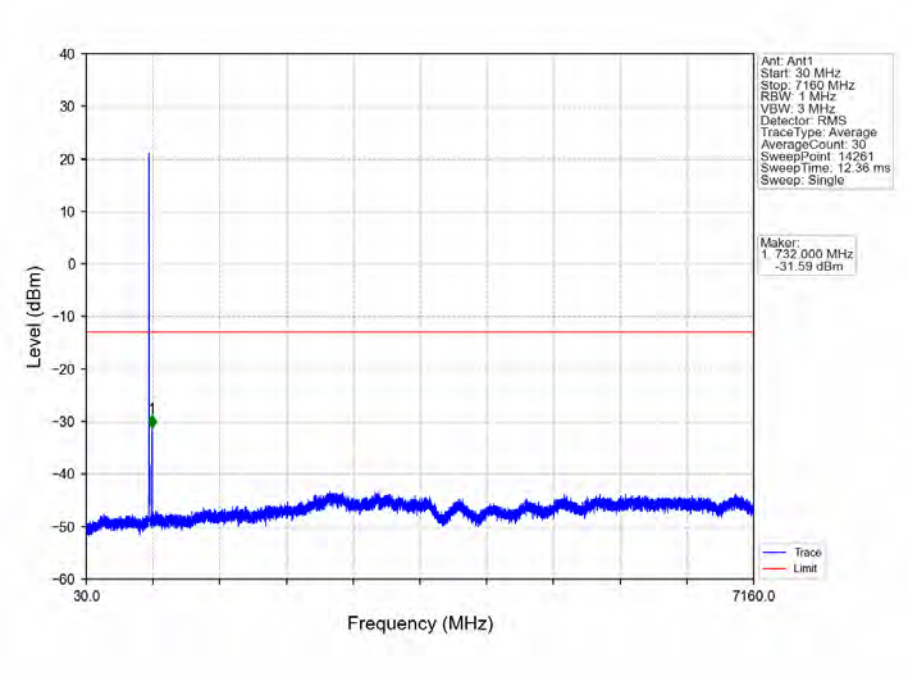
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-31.95	-13	Pass
716.1	721	0.1	CHP	2	716.220	-32.82	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

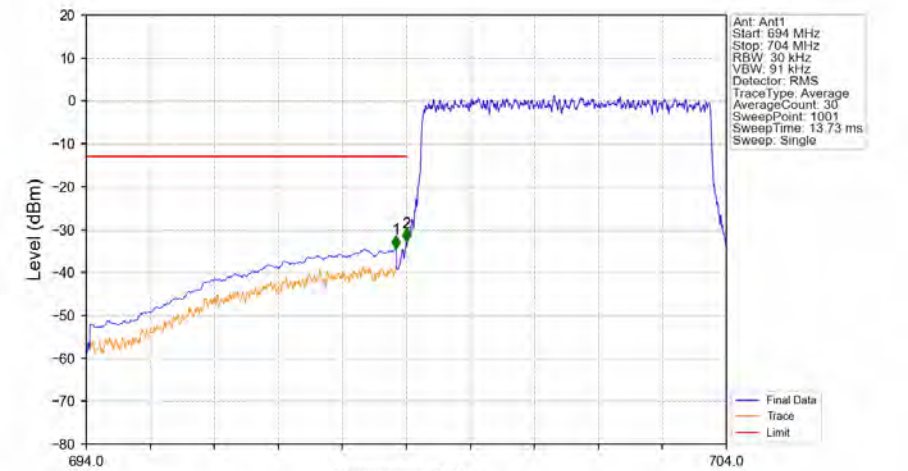


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-38.64	-13	Pass
698.9	699	0.03	/	2	698.990	-27.14	-13	Pass
699	704	0.03	/	/	/	/	/	/

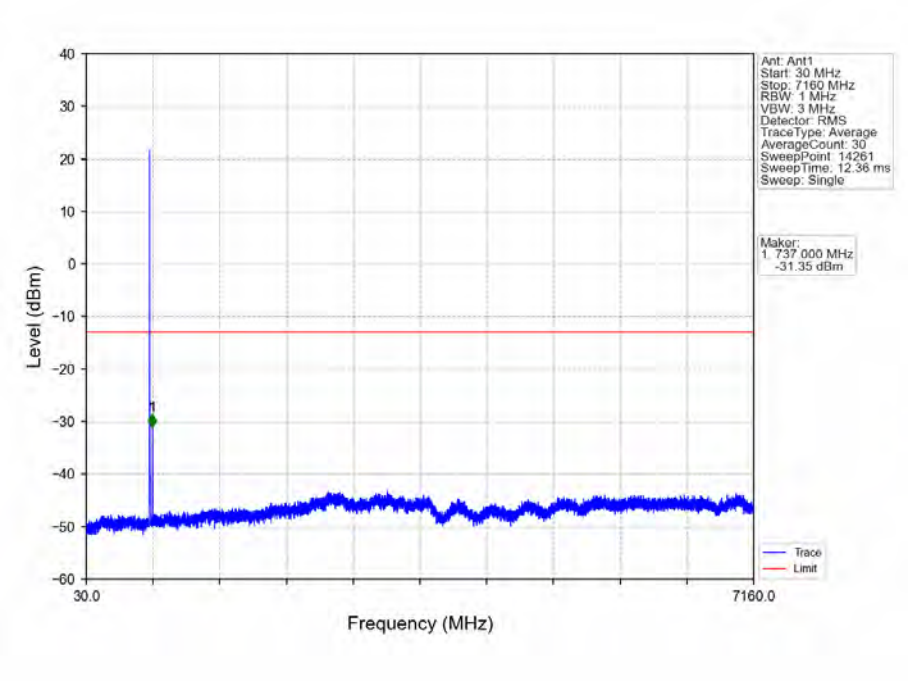
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

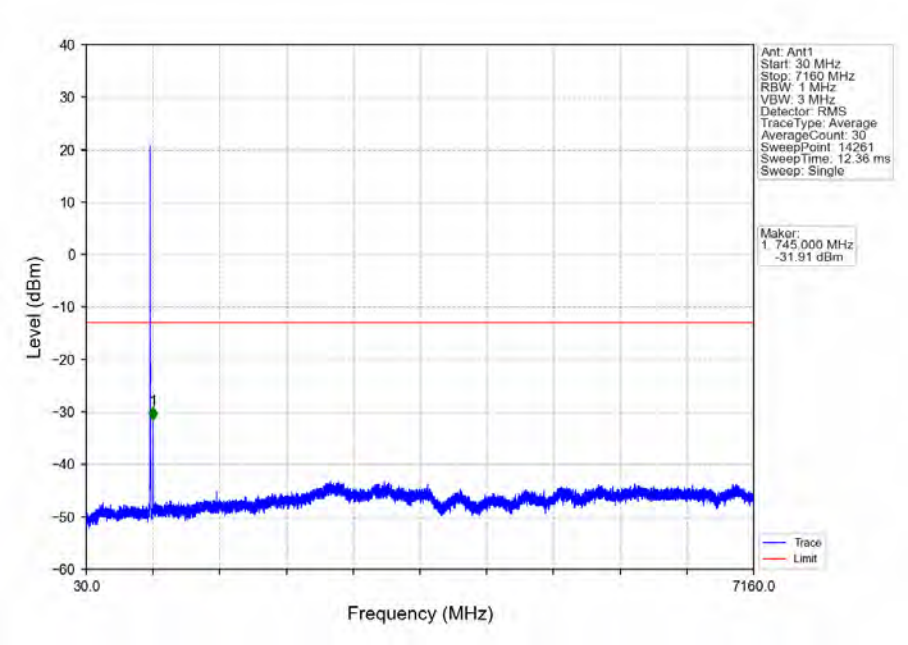


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

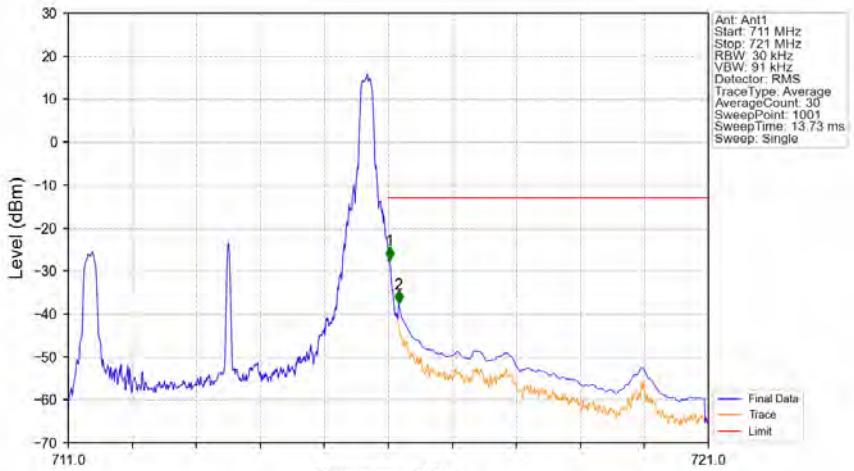


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.44	-13	Pass
698.9	699	0.03	/	2	699.000	-32.91	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV


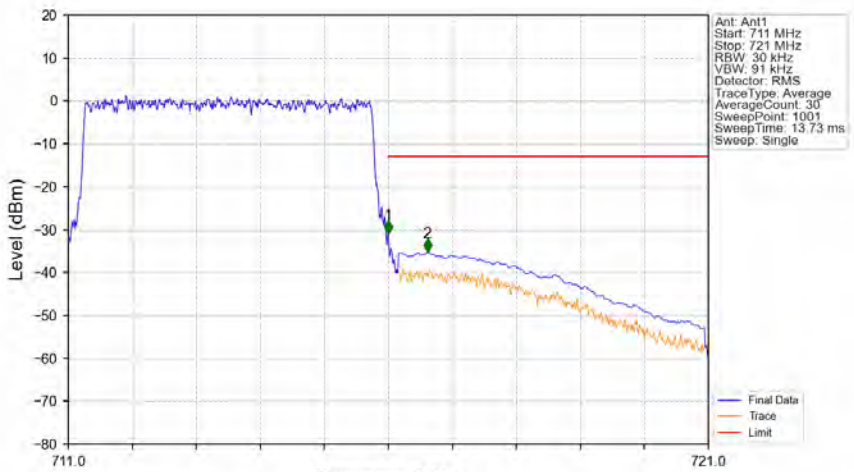
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_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	716.020	-27.42	-13	Pass
716.1	721	0.1	CHP	2	716.160	-37.59	-13	Pass

Band12_5MHz_16QAM_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	-31.00	-13	Pass
716.1	721	0.1	CHP	2	716.610	-35.28	-13	Pass

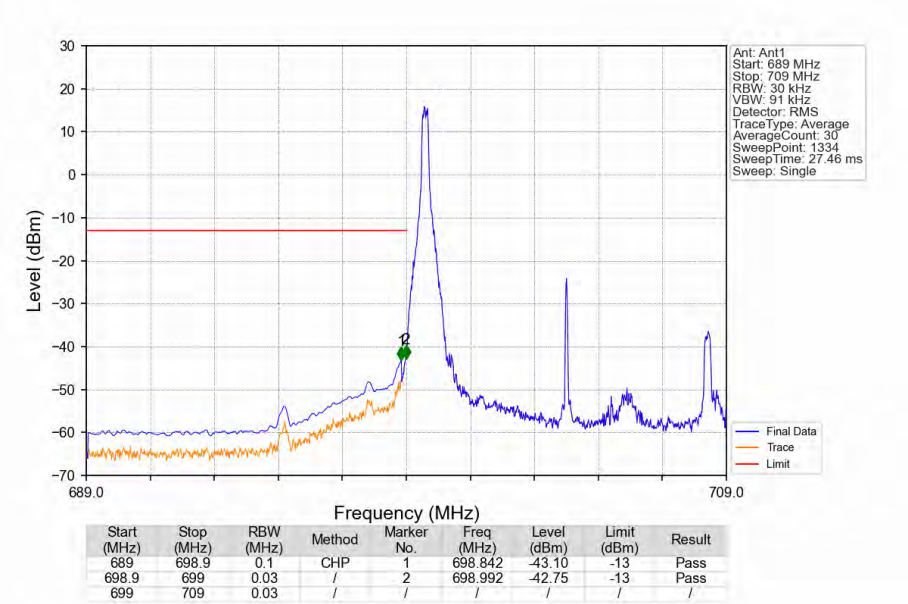
5.4 B12_10MHz

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
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

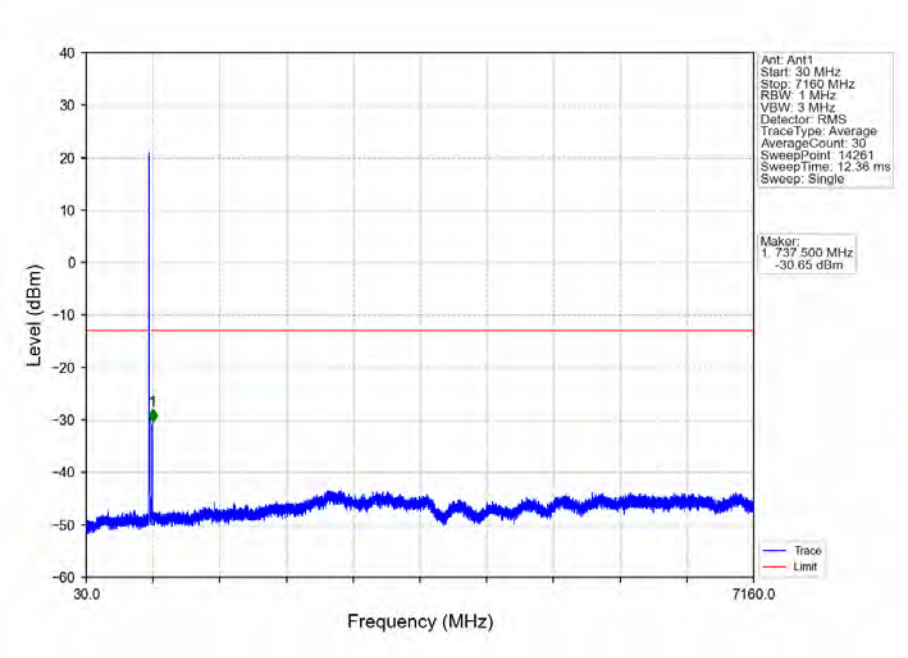
5.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

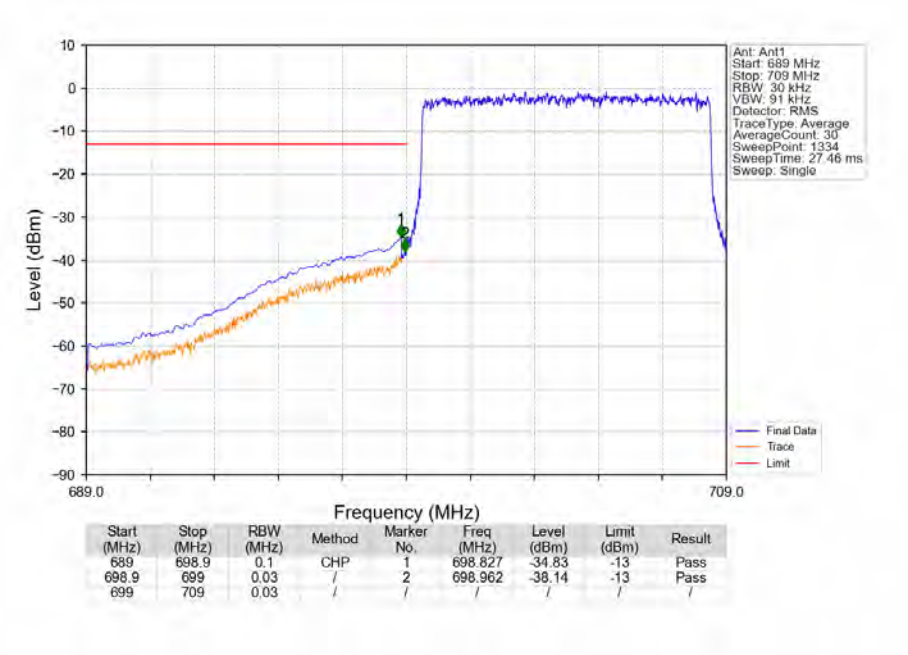


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-43.10	-13	Pass
698.9	699	0.03	/	2	698.992	-42.75	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

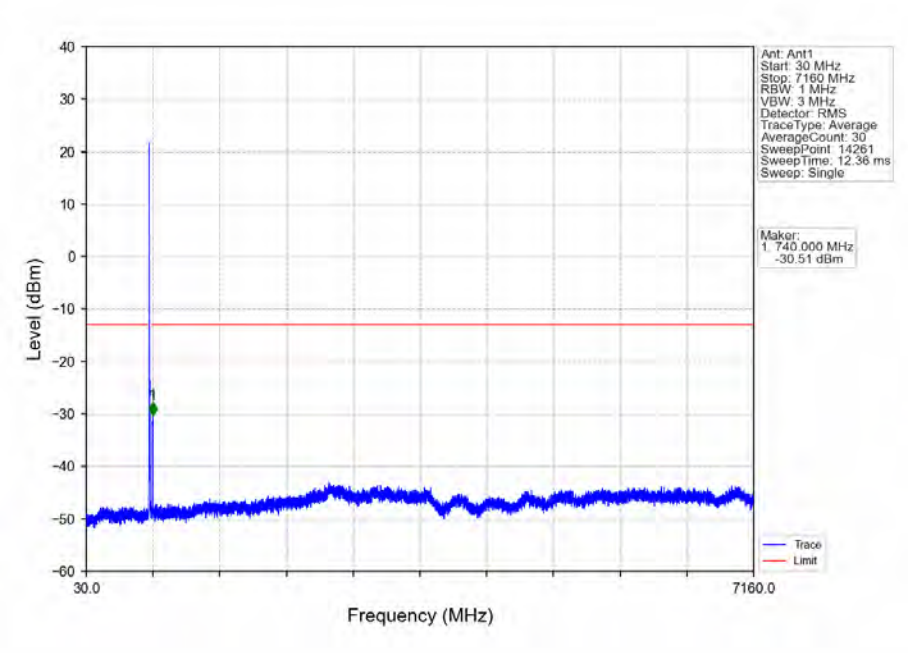


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

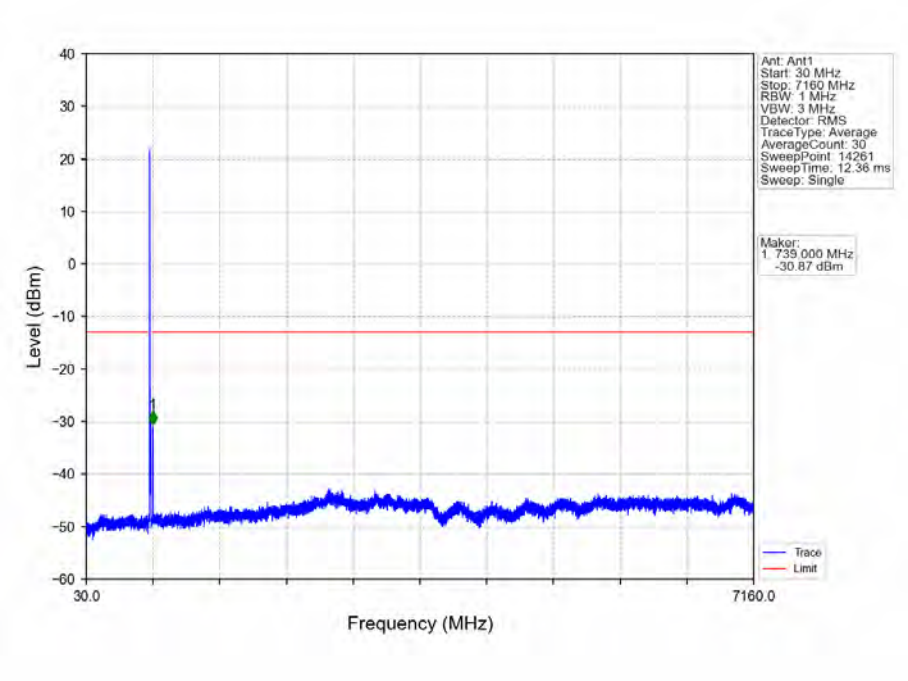


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.827	-34.83	-13	Pass
698.9	699	0.03	/	2	698.962	-38.14	-13	Pass
699	709	0.03	/	/	/	/	/	/

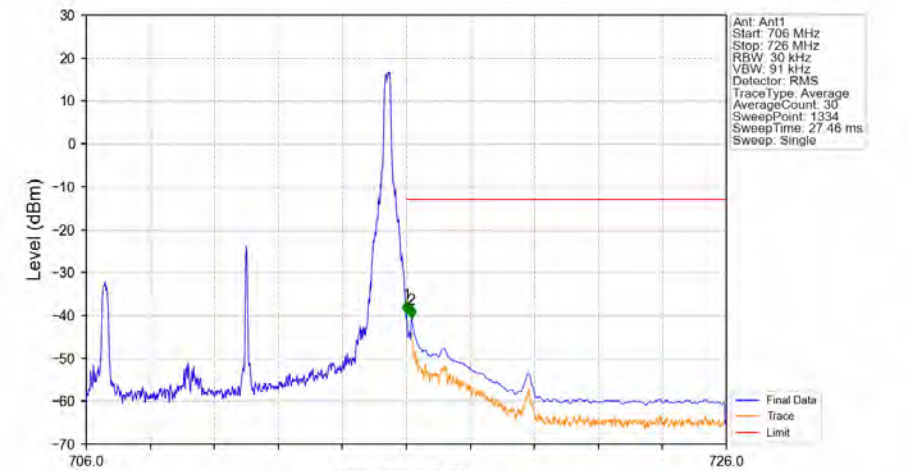
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

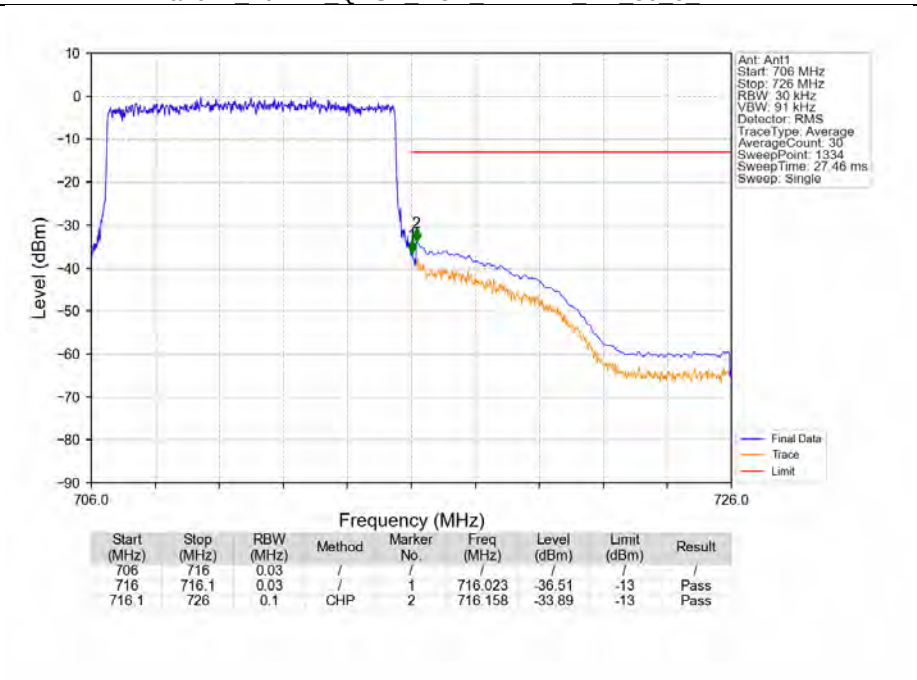


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



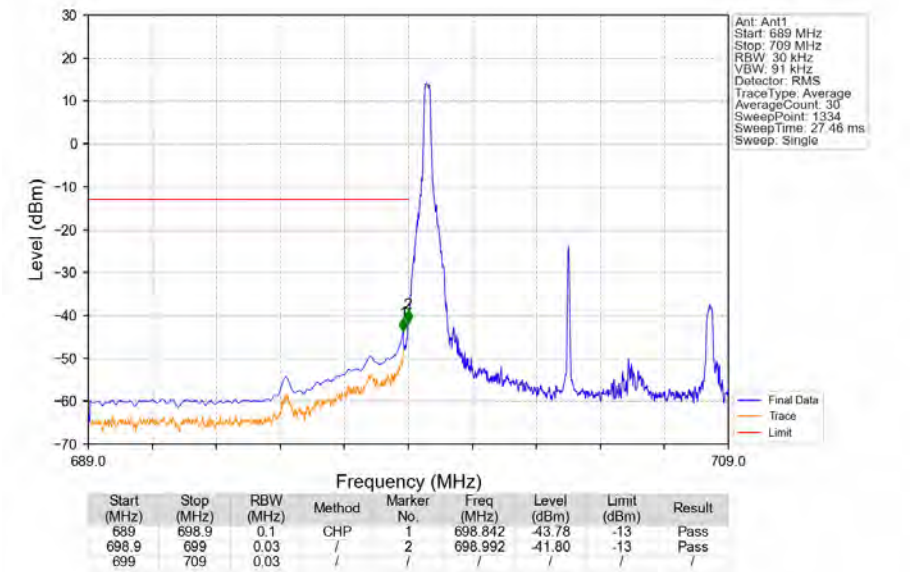
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-39.60	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.69	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



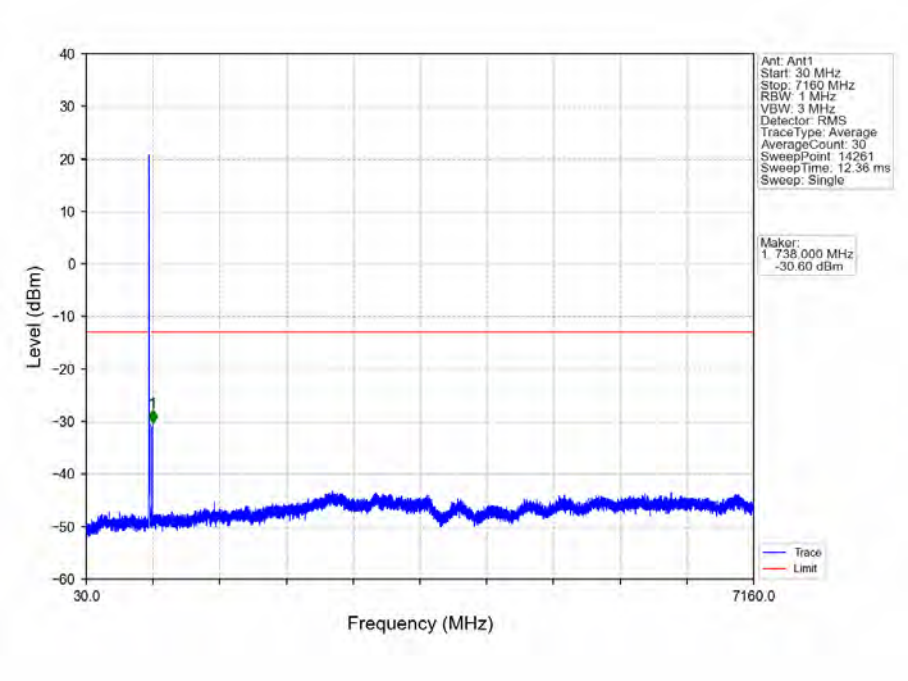
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-36.51	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.89	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

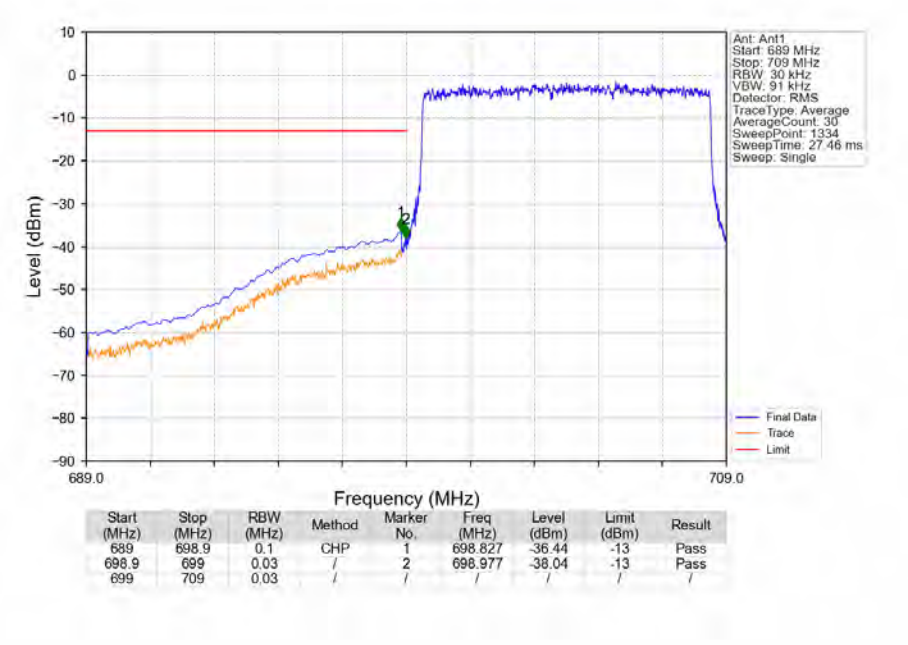


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-43.78	-13	Pass
698.9	699	0.03	/	2	698.992	-41.80	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

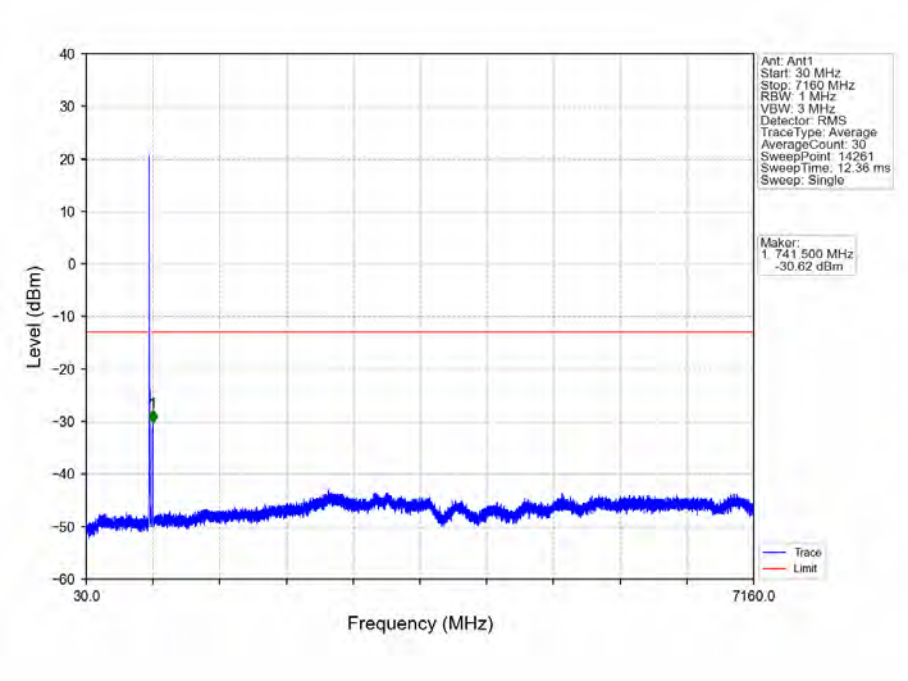


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

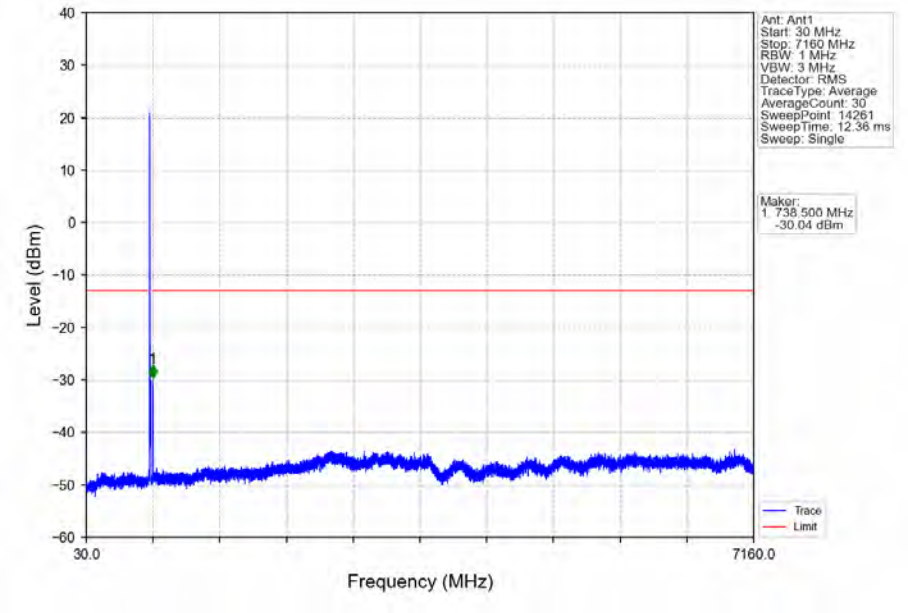


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.827	-36.44	-13	Pass
698.9	699	0.03	/	2	698.977	-38.04	-13	Pass
699	709	0.03	/	/	/	/	/	/

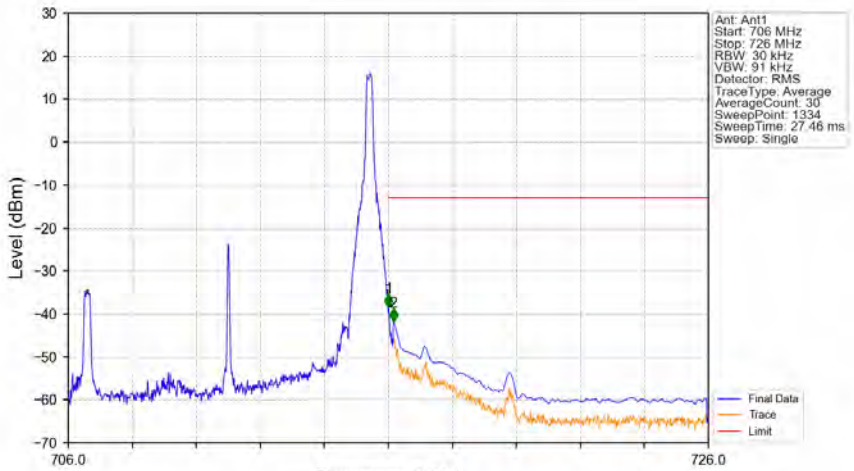
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

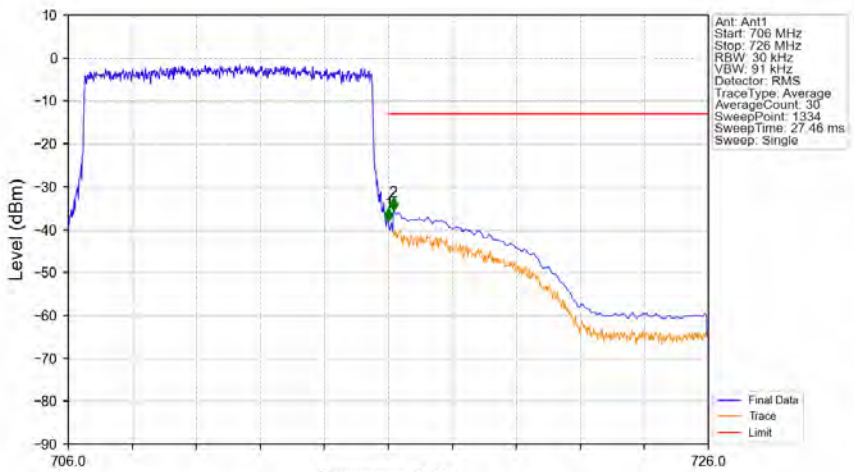


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	716.008	-38.50	-13	Pass
716.1	726	0.1	CHP	2	716.158	-41.79	-13	Pass

Band12_10MHz_16QAM_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	716.008	-38.21	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.64	-13	Pass