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	23.65	-2.10	19.40	<=34.77	Pass
			2	23.68	-2.10	19.43	<=34.77	Pass
			5	23.68	-2.10	19.43	<=34.77	Pass
		3	0	23.68	-2.10	19.43	<=34.77	Pass
			2	23.67	-2.10	19.42	<=34.77	Pass
			3	23.67	-2.10	19.42	<=34.77	Pass
		6	0	22.70	-2.10	18.45	<=34.77	Pass
	707.5	1	0	23.74	-2.10	19.49	<=34.77	Pass
			2	23.75	-2.10	19.50	<=34.77	Pass
			5	23.76	-2.10	19.51	<=34.77	Pass
		3	0	23.75	-2.10	19.50	<=34.77	Pass
			2	23.75	-2.10	19.50	<=34.77	Pass
			3	23.75	-2.10	19.50	<=34.77	Pass
		6	0	22.68	-2.10	18.43	<=34.77	Pass
	715.3	1	0	23.71	-2.10	19.46	<=34.77	Pass
			2	23.72	-2.10	19.47	<=34.77	Pass
			5	23.68	-2.10	19.43	<=34.77	Pass
		3	0	23.73	-2.10	19.48	<=34.77	Pass
			2	23.69	-2.10	19.44	<=34.77	Pass
			3	23.72	-2.10	19.47	<=34.77	Pass
		6	0	22.73	-2.10	18.48	<=34.77	Pass
16QAM	699.7	1	0	22.80	-2.10	18.55	<=34.77	Pass
			2	22.76	-2.10	18.51	<=34.77	Pass
			5	22.81	-2.10	18.56	<=34.77	Pass
		3	0	22.75	-2.10	18.50	<=34.77	Pass
			2	22.76	-2.10	18.51	<=34.77	Pass
			3	22.73	-2.10	18.48	<=34.77	Pass
		6	0	21.81	-2.10	17.56	<=34.77	Pass
	707.5	1	0	22.88	-2.10	18.63	<=34.77	Pass
			2	22.94	-2.10	18.69	<=34.77	Pass
			5	22.88	-2.10	18.63	<=34.77	Pass
		3	0	22.86	-2.10	18.61	<=34.77	Pass
			2	22.86	-2.10	18.61	<=34.77	Pass
			3	22.85	-2.10	18.60	<=34.77	Pass
		6	0	21.64	-2.10	17.39	<=34.77	Pass
	715.3	1	0	22.84	-2.10	18.59	<=34.77	Pass
			2	22.81	-2.10	18.56	<=34.77	Pass
			5	22.79	-2.10	18.54	<=34.77	Pass
		3	0	22.82	-2.10	18.57	<=34.77	Pass
			2	22.88	-2.10	18.63	<=34.77	Pass
			3	22.76	-2.10	18.51	<=34.77	Pass
		6	0	21.77	-2.10	17.52	<=34.77	Pass
64QAM	699.7	1	0	21.85	-2.10	17.60	<=34.77	Pass
			2	21.84	-2.10	17.59	<=34.77	Pass
			5	21.72	-2.10	17.47	<=34.77	Pass
		3	0	21.76	-2.10	17.51	<=34.77	Pass

			2	21.78	-2.10	17.53	<=34.77	Pass
			3	21.76	-2.10	17.51	<=34.77	Pass
		6	0	20.72	-2.10	16.47	<=34.77	Pass
	707.5	1	0	21.98	-2.10	17.73	<=34.77	Pass
			2	21.99	-2.10	17.74	<=34.77	Pass
			5	22.02	-2.10	17.77	<=34.77	Pass
		3	0	21.86	-2.10	17.61	<=34.77	Pass
			2	21.85	-2.10	17.60	<=34.77	Pass
			3	21.78	-2.10	17.53	<=34.77	Pass
		6	0	20.75	-2.10	16.50	<=34.77	Pass
	715.3	1	0	21.84	-2.10	17.59	<=34.77	Pass
			2	21.88	-2.10	17.63	<=34.77	Pass
			5	21.86	-2.10	17.61	<=34.77	Pass
		3	0	21.77	-2.10	17.52	<=34.77	Pass
			2	21.79	-2.10	17.54	<=34.77	Pass
			3	21.78	-2.10	17.53	<=34.77	Pass
		6	0	20.76	-2.10	16.51	<=34.77	Pass
256QAM	699.7	1	0	18.76	-2.10	14.51	<=34.77	Pass
			2	18.82	-2.10	14.57	<=34.77	Pass
			5	18.80	-2.10	14.55	<=34.77	Pass
		3	0	18.72	-2.10	14.47	<=34.77	Pass
			2	18.78	-2.10	14.53	<=34.77	Pass
			3	18.72	-2.10	14.47	<=34.77	Pass
		6	0	18.62	-2.10	14.37	<=34.77	Pass
	707.5	1	0	18.79	-2.10	14.54	<=34.77	Pass
			2	18.93	-2.10	14.68	<=34.77	Pass
			5	18.76	-2.10	14.51	<=34.77	Pass
		3	0	18.74	-2.10	14.49	<=34.77	Pass
			2	18.81	-2.10	14.56	<=34.77	Pass
			3	18.84	-2.10	14.59	<=34.77	Pass
		6	0	18.63	-2.10	14.38	<=34.77	Pass
	715.3	1	0	18.93	-2.10	14.68	<=34.77	Pass
			2	18.79	-2.10	14.54	<=34.77	Pass
			5	18.74	-2.10	14.49	<=34.77	Pass
		3	0	18.83	-2.10	14.58	<=34.77	Pass
			2	18.74	-2.10	14.49	<=34.77	Pass
			3	18.74	-2.10	14.49	<=34.77	Pass
		6	0	18.67	-2.10	14.42	<=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	23.71	-2.10	19.46	<=34.77	Pass
			7	23.75	-2.10	19.50	<=34.77	Pass
			14	23.67	-2.10	19.42	<=34.77	Pass
		8	0	22.76	-2.10	18.51	<=34.77	Pass
			4	22.78	-2.10	18.53	<=34.77	Pass
			7	22.74	-2.10	18.49	<=34.77	Pass
		15	0	22.74	-2.10	18.49	<=34.77	Pass
	707.5	1	0	23.73	-2.10	19.48	<=34.77	Pass

			7	23.79	-2.10	19.54	<=34.77	Pass
			14	23.70	-2.10	19.45	<=34.77	Pass
		8	0	22.69	-2.10	18.44	<=34.77	Pass
			4	22.73	-2.10	18.48	<=34.77	Pass
			7	22.78	-2.10	18.53	<=34.77	Pass
		15	0	22.72	-2.10	18.47	<=34.77	Pass
	714.5	1	0	23.72	-2.10	19.47	<=34.77	Pass
			7	23.80	-2.10	19.55	<=34.77	Pass
			14	23.70	-2.10	19.45	<=34.77	Pass
		8	0	22.78	-2.10	18.53	<=34.77	Pass
			4	22.78	-2.10	18.53	<=34.77	Pass
			7	22.72	-2.10	18.47	<=34.77	Pass
		15	0	22.74	-2.10	18.49	<=34.77	Pass
16QAM	700.5	1	0	22.86	-2.10	18.61	<=34.77	Pass
			7	22.91	-2.10	18.66	<=34.77	Pass
			14	22.82	-2.10	18.57	<=34.77	Pass
		8	0	21.75	-2.10	17.50	<=34.77	Pass
			4	21.75	-2.10	17.50	<=34.77	Pass
			7	21.76	-2.10	17.51	<=34.77	Pass
		15	0	21.75	-2.10	17.50	<=34.77	Pass
	707.5	1	0	22.85	-2.10	18.60	<=34.77	Pass
			7	22.96	-2.10	18.71	<=34.77	Pass
			14	22.88	-2.10	18.63	<=34.77	Pass
		8	0	21.74	-2.10	17.49	<=34.77	Pass
			4	21.75	-2.10	17.50	<=34.77	Pass
			7	21.83	-2.10	17.58	<=34.77	Pass
		15	0	21.68	-2.10	17.43	<=34.77	Pass
	714.5	1	0	22.92	-2.10	18.67	<=34.77	Pass
			7	22.96	-2.10	18.71	<=34.77	Pass
			14	22.86	-2.10	18.61	<=34.77	Pass
		8	0	21.81	-2.10	17.56	<=34.77	Pass
			4	21.81	-2.10	17.56	<=34.77	Pass
			7	21.81	-2.10	17.56	<=34.77	Pass
		15	0	21.84	-2.10	17.59	<=34.77	Pass
64QAM	700.5	1	0	21.93	-2.10	17.68	<=34.77	Pass
			7	21.98	-2.10	17.73	<=34.77	Pass
			14	21.94	-2.10	17.69	<=34.77	Pass
		8	0	20.87	-2.10	16.62	<=34.77	Pass
			4	20.76	-2.10	16.51	<=34.77	Pass
			7	20.86	-2.10	16.61	<=34.77	Pass
		15	0	20.73	-2.10	16.48	<=34.77	Pass
	707.5	1	0	21.92	-2.10	17.67	<=34.77	Pass
			7	22.00	-2.10	17.75	<=34.77	Pass
			14	21.94	-2.10	17.69	<=34.77	Pass
		8	0	20.80	-2.10	16.55	<=34.77	Pass
			4	20.83	-2.10	16.58	<=34.77	Pass
			7	20.82	-2.10	16.57	<=34.77	Pass
		15	0	20.73	-2.10	16.48	<=34.77	Pass
	714.5	1	0	21.96	-2.10	17.71	<=34.77	Pass
			7	22.03	-2.10	17.78	<=34.77	Pass
			14	21.91	-2.10	17.66	<=34.77	Pass
		8	0	20.78	-2.10	16.53	<=34.77	Pass
			4	20.90	-2.10	16.65	<=34.77	Pass
			7	20.69	-2.10	16.44	<=34.77	Pass
		15	0	20.78	-2.10	16.53	<=34.77	Pass
256QAM	700.5	1	0	18.76	-2.10	14.51	<=34.77	Pass
			7	18.75	-2.10	14.50	<=34.77	Pass

			14	18.80	-2.10	14.55	<=34.77	Pass
		8	0	18.77	-2.10	14.52	<=34.77	Pass
			4	18.76	-2.10	14.51	<=34.77	Pass
			7	18.75	-2.10	14.50	<=34.77	Pass
		15	0	18.73	-2.10	14.48	<=34.77	Pass
	707.5	1	0	18.82	-2.10	14.57	<=34.77	Pass
			7	18.90	-2.10	14.65	<=34.77	Pass
			14	18.98	-2.10	14.73	<=34.77	Pass
		8	0	18.71	-2.10	14.46	<=34.77	Pass
			4	18.76	-2.10	14.51	<=34.77	Pass
			7	18.82	-2.10	14.57	<=34.77	Pass
		15	0	18.71	-2.10	14.46	<=34.77	Pass
	714.5	1	0	18.77	-2.10	14.52	<=34.77	Pass
			7	18.83	-2.10	14.58	<=34.77	Pass
			14	18.92	-2.10	14.67	<=34.77	Pass
		8	0	18.74	-2.10	14.49	<=34.77	Pass
			4	18.82	-2.10	14.57	<=34.77	Pass
			7	18.75	-2.10	14.50	<=34.77	Pass
		15	0	18.75	-2.10	14.50	<=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	23.70	-2.10	19.45	<=34.77	Pass
			13	23.79	-2.10	19.54	<=34.77	Pass
			24	23.70	-2.10	19.45	<=34.77	Pass
		12	0	22.68	-2.10	18.43	<=34.77	Pass
			6	22.80	-2.10	18.55	<=34.77	Pass
			13	22.73	-2.10	18.48	<=34.77	Pass
		25	0	22.76	-2.10	18.51	<=34.77	Pass
	707.5	1	0	23.70	-2.10	19.45	<=34.77	Pass
			13	23.87	-2.10	19.60	<=34.77	Pass
			24	23.76	-2.10	19.51	<=34.77	Pass
		12	0	22.73	-2.10	18.48	<=34.77	Pass
			6	22.76	-2.10	18.51	<=34.77	Pass
			13	22.78	-2.10	18.53	<=34.77	Pass
		25	0	22.71	-2.10	18.46	<=34.77	Pass
	713.5	1	0	23.71	-2.10	19.46	<=34.77	Pass
			13	23.83	-2.10	19.58	<=34.77	Pass
			24	23.72	-2.10	19.47	<=34.77	Pass
		12	0	22.71	-2.10	18.46	<=34.77	Pass
			6	22.75	-2.10	18.50	<=34.77	Pass
			13	22.76	-2.10	18.51	<=34.77	Pass
		25	0	22.73	-2.10	18.48	<=34.77	Pass
16QAM	701.5	1	0	22.77	-2.10	18.52	<=34.77	Pass
			13	22.84	-2.10	18.59	<=34.77	Pass
			24	22.77	-2.10	18.52	<=34.77	Pass
		12	0	21.67	-2.10	17.42	<=34.77	Pass
			6	21.90	-2.10	17.65	<=34.77	Pass
			13	21.72	-2.10	17.47	<=34.77	Pass

		25	0	21.76	-2.10	17.51	<=34.77	Pass
	707.5	1	0	22.84	-2.10	18.59	<=34.77	Pass
			13	22.96	-2.10	18.71	<=34.77	Pass
			24	22.89	-2.10	18.64	<=34.77	Pass
		12	0	21.73	-2.10	17.48	<=34.77	Pass
			6	21.86	-2.10	17.61	<=34.77	Pass
			13	21.80	-2.10	17.55	<=34.77	Pass
		25	0	21.74	-2.10	17.49	<=34.77	Pass
	713.5	1	0	23.03	-2.10	18.78	<=34.77	Pass
			13	23.03	-2.10	18.78	<=34.77	Pass
			24	22.94	-2.10	18.69	<=34.77	Pass
		12	0	21.84	-2.10	17.59	<=34.77	Pass
			6	21.83	-2.10	17.58	<=34.77	Pass
			13	21.74	-2.10	17.49	<=34.77	Pass
		25	0	21.71	-2.10	17.46	<=34.77	Pass
64QAM	701.5	1	0	21.87	-2.10	17.62	<=34.77	Pass
			13	21.99	-2.10	17.74	<=34.77	Pass
			24	21.91	-2.10	17.66	<=34.77	Pass
		12	0	20.70	-2.10	16.45	<=34.77	Pass
			6	20.82	-2.10	16.57	<=34.77	Pass
			13	20.76	-2.10	16.51	<=34.77	Pass
		25	0	20.77	-2.10	16.52	<=34.77	Pass
	707.5	1	0	21.84	-2.10	17.59	<=34.77	Pass
			13	21.95	-2.10	17.70	<=34.77	Pass
			24	21.85	-2.10	17.60	<=34.77	Pass
		12	0	20.73	-2.10	16.48	<=34.77	Pass
			6	20.77	-2.10	16.52	<=34.77	Pass
			13	20.79	-2.10	16.54	<=34.77	Pass
		25	0	20.74	-2.10	16.49	<=34.77	Pass
	713.5	1	0	21.84	-2.10	17.59	<=34.77	Pass
			13	21.92	-2.10	17.67	<=34.77	Pass
			24	21.84	-2.10	17.59	<=34.77	Pass
		12	0	20.72	-2.10	16.47	<=34.77	Pass
			6	20.75	-2.10	16.50	<=34.77	Pass
			13	20.79	-2.10	16.54	<=34.77	Pass
		25	0	20.73	-2.10	16.48	<=34.77	Pass
256QAM	701.5	1	0	18.80	-2.10	14.55	<=34.77	Pass
			13	18.83	-2.10	14.58	<=34.77	Pass
			24	18.77	-2.10	14.52	<=34.77	Pass
		12	0	18.72	-2.10	14.47	<=34.77	Pass
			6	18.78	-2.10	14.53	<=34.77	Pass
			13	18.75	-2.10	14.50	<=34.77	Pass
		25	0	18.74	-2.10	14.49	<=34.77	Pass
	707.5	1	0	18.89	-2.10	14.64	<=34.77	Pass
			13	18.90	-2.10	14.65	<=34.77	Pass
			24	18.84	-2.10	14.59	<=34.77	Pass
		12	0	18.74	-2.10	14.49	<=34.77	Pass
			6	18.77	-2.10	14.52	<=34.77	Pass
			13	18.81	-2.10	14.56	<=34.77	Pass
		25	0	18.74	-2.10	14.49	<=34.77	Pass
	713.5	1	0	18.89	-2.10	14.64	<=34.77	Pass
			13	18.98	-2.10	14.73	<=34.77	Pass
			24	18.86	-2.10	14.61	<=34.77	Pass
		12	0	18.76	-2.10	14.51	<=34.77	Pass
			6	18.76	-2.10	14.51	<=34.77	Pass
			13	18.78	-2.10	14.53	<=34.77	Pass
		25	0	18.70	-2.10	14.45	<=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	23.77	-2.10	19.52	<=34.77	Pass
			25	23.80	-2.10	19.55	<=34.77	Pass
			49	23.73	-2.10	19.48	<=34.77	Pass
		25	0	22.71	-2.10	18.46	<=34.77	Pass
			13	22.83	-2.10	18.58	<=34.77	Pass
			25	22.77	-2.10	18.52	<=34.77	Pass
		50	0	22.79	-2.10	18.54	<=34.77	Pass
	707.5	1	0	23.73	-2.10	19.48	<=34.77	Pass
			25	23.77	-2.10	19.52	<=34.77	Pass
			49	23.70	-2.10	19.45	<=34.77	Pass
		25	0	22.74	-2.10	18.49	<=34.77	Pass
			13	22.75	-2.10	18.50	<=34.77	Pass
			25	22.79	-2.10	18.54	<=34.77	Pass
		50	0	22.73	-2.10	18.48	<=34.77	Pass
	711	1	0	23.74	-2.10	19.49	<=34.77	Pass
			25	23.79	-2.10	19.54	<=34.77	Pass
			49	23.70	-2.10	19.45	<=34.77	Pass
		25	0	22.74	-2.10	18.49	<=34.77	Pass
			13	22.78	-2.10	18.53	<=34.77	Pass
			25	22.83	-2.10	18.58	<=34.77	Pass
		50	0	22.73	-2.10	18.48	<=34.77	Pass
16QAM	704	1	0	22.90	-2.10	18.65	<=34.77	Pass
			25	22.92	-2.10	18.67	<=34.77	Pass
			49	22.82	-2.10	18.57	<=34.77	Pass
		25	0	21.75	-2.10	17.50	<=34.77	Pass
			13	21.83	-2.10	17.58	<=34.77	Pass
			25	21.80	-2.10	17.55	<=34.77	Pass
		50	0	21.81	-2.10	17.56	<=34.77	Pass
	707.5	1	0	22.93	-2.10	18.68	<=34.77	Pass
			25	22.92	-2.10	18.67	<=34.77	Pass
			49	22.82	-2.10	18.57	<=34.77	Pass
		25	0	21.76	-2.10	17.51	<=34.77	Pass
			13	21.76	-2.10	17.51	<=34.77	Pass
			25	21.83	-2.10	17.58	<=34.77	Pass
		50	0	21.76	-2.10	17.51	<=34.77	Pass
	711	1	0	22.98	-2.10	18.73	<=34.77	Pass
			25	22.94	-2.10	18.69	<=34.77	Pass
			49	22.83	-2.10	18.58	<=34.77	Pass
		25	0	21.77	-2.10	17.52	<=34.77	Pass
			13	21.78	-2.10	17.53	<=34.77	Pass
			25	21.80	-2.10	17.55	<=34.77	Pass
		50	0	21.77	-2.10	17.52	<=34.77	Pass
64QAM	704	1	0	21.98	-2.10	17.73	<=34.77	Pass
			25	21.97	-2.10	17.72	<=34.77	Pass
			49	21.90	-2.10	17.65	<=34.77	Pass
		25	0	20.71	-2.10	16.46	<=34.77	Pass

			13	20.81	-2.10	16.56	<=34.77	Pass
			25	20.80	-2.10	16.55	<=34.77	Pass
		50	0	20.80	-2.10	16.55	<=34.77	Pass
	707.5	1	0	21.99	-2.10	17.74	<=34.77	Pass
			25	21.97	-2.10	17.72	<=34.77	Pass
			49	21.93	-2.10	17.68	<=34.77	Pass
		25	0	20.73	-2.10	16.48	<=34.77	Pass
			13	20.79	-2.10	16.54	<=34.77	Pass
			25	20.79	-2.10	16.54	<=34.77	Pass
		50	0	20.75	-2.10	16.50	<=34.77	Pass
	711	1	0	22.02	-2.10	17.77	<=34.77	Pass
			25	21.99	-2.10	17.74	<=34.77	Pass
			49	21.93	-2.10	17.68	<=34.77	Pass
		25	0	20.77	-2.10	16.52	<=34.77	Pass
			13	20.77	-2.10	16.52	<=34.77	Pass
			25	20.81	-2.10	16.56	<=34.77	Pass
		50	0	20.74	-2.10	16.49	<=34.77	Pass
256QAM	704	1	0	18.90	-2.10	14.65	<=34.77	Pass
			25	18.92	-2.10	14.67	<=34.77	Pass
			49	18.80	-2.10	14.55	<=34.77	Pass
		25	0	18.71	-2.10	14.46	<=34.77	Pass
			13	18.78	-2.10	14.53	<=34.77	Pass
			25	18.77	-2.10	14.52	<=34.77	Pass
		50	0	18.77	-2.10	14.52	<=34.77	Pass
	707.5	1	0	18.83	-2.10	14.58	<=34.77	Pass
			25	18.95	-2.10	14.70	<=34.77	Pass
			49	18.87	-2.10	14.62	<=34.77	Pass
		25	0	18.74	-2.10	14.49	<=34.77	Pass
			13	18.76	-2.10	14.51	<=34.77	Pass
			25	18.79	-2.10	14.54	<=34.77	Pass
		50	0	18.74	-2.10	14.49	<=34.77	Pass
	711	1	0	18.77	-2.10	14.52	<=34.77	Pass
			25	18.95	-2.10	14.70	<=34.77	Pass
			49	18.81	-2.10	14.56	<=34.77	Pass
		25	0	18.77	-2.10	14.52	<=34.77	Pass
			13	18.75	-2.10	14.50	<=34.77	Pass
			25	18.81	-2.10	14.56	<=34.77	Pass
		50	0	18.75	-2.10	14.50	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_10MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.65	0.781	0.0011	-2.5 to 2.5	Pass
					3.87	-0.023	0.0000	-2.5 to 2.5	Pass
					4.45	-1.278	-0.0018	-2.5 to 2.5	Pass
				-30	3.87	-0.260	-0.0004	-2.5 to 2.5	Pass
				-20	3.87	-1.176	-0.0017	-2.5 to 2.5	Pass

				-10	3.87	0.075	0.0001	-2.5 to 2.5	Pass
				0	3.87	-2.284	-0.0032	-2.5 to 2.5	Pass
				10	3.87	-1.480	-0.0021	-2.5 to 2.5	Pass
				30	3.87	-0.688	-0.0010	-2.5 to 2.5	Pass
				40	3.87	0.618	0.0009	-2.5 to 2.5	Pass
				50	3.87	0.495	0.0007	-2.5 to 2.5	Pass
	707.5	50	0	20	3.65	0.253	0.0004	-2.5 to 2.5	Pass
					3.87	-0.550	-0.0008	-2.5 to 2.5	Pass
					4.45	-1.296	-0.0018	-2.5 to 2.5	Pass
				-30	3.87	-0.003	0.0000	-2.5 to 2.5	Pass
				-20	3.87	0.501	0.0007	-2.5 to 2.5	Pass
				-10	3.87	-0.372	-0.0005	-2.5 to 2.5	Pass
				0	3.87	-0.766	-0.0011	-2.5 to 2.5	Pass
				10	3.87	-0.078	-0.0001	-2.5 to 2.5	Pass
				30	3.87	-0.272	-0.0004	-2.5 to 2.5	Pass
				40	3.87	0.021	0.0000	-2.5 to 2.5	Pass
				50	3.87	-0.688	-0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.65	-0.693	-0.0010	-2.5 to 2.5	Pass
					3.87	0.312	0.0004	-2.5 to 2.5	Pass
					4.45	-0.362	-0.0005	-2.5 to 2.5	Pass
				-30	3.87	-1.046	-0.0015	-2.5 to 2.5	Pass
				-20	3.87	-0.989	-0.0014	-2.5 to 2.5	Pass
				-10	3.87	-0.055	-0.0001	-2.5 to 2.5	Pass
				0	3.87	-1.593	-0.0022	-2.5 to 2.5	Pass
				10	3.87	-0.201	-0.0003	-2.5 to 2.5	Pass
				30	3.87	-0.712	-0.0010	-2.5 to 2.5	Pass
				40	3.87	1.035	0.0015	-2.5 to 2.5	Pass
				50	3.87	-0.102	-0.0001	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.65	-0.455	-0.0006	-2.5 to 2.5	Pass
					3.87	-0.704	-0.0010	-2.5 to 2.5	Pass
					4.45	-1.099	-0.0016	-2.5 to 2.5	Pass
				-30	3.87	0.281	0.0004	-2.5 to 2.5	Pass
				-20	3.87	-1.563	-0.0022	-2.5 to 2.5	Pass
				-10	3.87	-0.965	-0.0014	-2.5 to 2.5	Pass
				0	3.87	-0.547	-0.0008	-2.5 to 2.5	Pass
				10	3.87	0.311	0.0004	-2.5 to 2.5	Pass
				30	3.87	0.497	0.0007	-2.5 to 2.5	Pass
				40	3.87	-0.259	-0.0004	-2.5 to 2.5	Pass
				50	3.87	-0.207	-0.0003	-2.5 to 2.5	Pass
	707.5	50	0	20	3.65	-0.010	0.0000	-2.5 to 2.5	Pass
					3.87	-1.011	-0.0014	-2.5 to 2.5	Pass
					4.45	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.87	-0.635	-0.0009	-2.5 to 2.5	Pass
				-20	3.87	-0.753	-0.0011	-2.5 to 2.5	Pass
				-10	3.87	-0.212	-0.0003	-2.5 to 2.5	Pass
				0	3.87	-0.030	0.0000	-2.5 to 2.5	Pass
				10	3.87	-0.781	-0.0011	-2.5 to 2.5	Pass
				30	3.87	-0.978	-0.0014	-2.5 to 2.5	Pass
				40	3.87	-0.609	-0.0009	-2.5 to 2.5	Pass
				50	3.87	0.332	0.0005	-2.5 to 2.5	Pass
	711	50	0	20	3.65	-0.471	-0.0007	-2.5 to 2.5	Pass
					3.87	-0.697	-0.0010	-2.5 to 2.5	Pass
					4.45	-0.494	-0.0007	-2.5 to 2.5	Pass
				-30	3.87	-0.630	-0.0009	-2.5 to 2.5	Pass
				-20	3.87	-0.054	-0.0001	-2.5 to 2.5	Pass
				-10	3.87	-1.233	-0.0017	-2.5 to 2.5	Pass
				0	3.87	-0.461	-0.0006	-2.5 to 2.5	Pass

				10	3.87	-0.850	-0.0012	-2.5 to 2.5	Pass
				30	3.87	-0.883	-0.0012	-2.5 to 2.5	Pass
				40	3.87	0.009	0.0000	-2.5 to 2.5	Pass
				50	3.87	-0.092	-0.0001	-2.5 to 2.5	Pass
64QAM	704	50	0	20	3.65	0.774	0.0011	-2.5 to 2.5	Pass
					3.87	-0.119	-0.0002	-2.5 to 2.5	Pass
					4.45	-0.495	-0.0007	-2.5 to 2.5	Pass
				-30	3.87	-0.825	-0.0012	-2.5 to 2.5	Pass
				-20	3.87	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.87	-0.431	-0.0006	-2.5 to 2.5	Pass
				0	3.87	0.011	0.0000	-2.5 to 2.5	Pass
				10	3.87	0.609	0.0009	-2.5 to 2.5	Pass
				30	3.87	0.150	0.0002	-2.5 to 2.5	Pass
				40	3.87	-0.026	0.0000	-2.5 to 2.5	Pass
				50	3.87	-0.500	-0.0007	-2.5 to 2.5	Pass
	707.5	50	0	20	3.65	0.533	0.0008	-2.5 to 2.5	Pass
					3.87	-0.176	-0.0002	-2.5 to 2.5	Pass
					4.45	-1.724	-0.0024	-2.5 to 2.5	Pass
				-30	3.87	-0.966	-0.0014	-2.5 to 2.5	Pass
				-20	3.87	-1.335	-0.0019	-2.5 to 2.5	Pass
				-10	3.87	0.094	0.0001	-2.5 to 2.5	Pass
				0	3.87	-0.208	-0.0003	-2.5 to 2.5	Pass
				10	3.87	-0.650	-0.0009	-2.5 to 2.5	Pass
				30	3.87	0.873	0.0012	-2.5 to 2.5	Pass
				40	3.87	-0.265	-0.0004	-2.5 to 2.5	Pass
				50	3.87	-1.690	-0.0024	-2.5 to 2.5	Pass
	711	50	0	20	3.65	-0.483	-0.0007	-2.5 to 2.5	Pass
					3.87	-0.482	-0.0007	-2.5 to 2.5	Pass
					4.45	-0.943	-0.0013	-2.5 to 2.5	Pass
				-30	3.87	-0.416	-0.0006	-2.5 to 2.5	Pass
				-20	3.87	-0.507	-0.0007	-2.5 to 2.5	Pass
				-10	3.87	0.654	0.0009	-2.5 to 2.5	Pass
				0	3.87	0.020	0.0000	-2.5 to 2.5	Pass
				10	3.87	-0.610	-0.0009	-2.5 to 2.5	Pass
				30	3.87	-0.445	-0.0006	-2.5 to 2.5	Pass
				40	3.87	-0.535	-0.0008	-2.5 to 2.5	Pass
				50	3.87	-0.429	-0.0006	-2.5 to 2.5	Pass
256QAM	704	50	0	20	3.65	-0.107	-0.0002	-2.5 to 2.5	Pass
					3.87	0.522	0.0007	-2.5 to 2.5	Pass
					4.45	-0.184	-0.0003	-2.5 to 2.5	Pass
				-30	3.87	0.045	0.0001	-2.5 to 2.5	Pass
				-20	3.87	-0.183	-0.0003	-2.5 to 2.5	Pass
				-10	3.87	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	3.87	1.902	0.0027	-2.5 to 2.5	Pass
				10	3.87	-0.020	0.0000	-2.5 to 2.5	Pass
				30	3.87	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	3.87	2.087	0.0030	-2.5 to 2.5	Pass
				50	3.87	0.171	0.0002	-2.5 to 2.5	Pass
	707.5	50	0	20	3.65	-1.136	-0.0016	-2.5 to 2.5	Pass
					3.87	0.120	0.0002	-2.5 to 2.5	Pass
					4.45	-0.880	-0.0012	-2.5 to 2.5	Pass
				-30	3.87	1.709	0.0024	-2.5 to 2.5	Pass
				-20	3.87	0.268	0.0004	-2.5 to 2.5	Pass
				-10	3.87	-0.592	-0.0008	-2.5 to 2.5	Pass
				0	3.87	-0.297	-0.0004	-2.5 to 2.5	Pass
				10	3.87	0.685	0.0010	-2.5 to 2.5	Pass
				30	3.87	0.397	0.0006	-2.5 to 2.5	Pass

				40	3.87	1.143	0.0016	-2.5 to 2.5	Pass
				50	3.87	0.731	0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.65	-0.008	0.0000	-2.5 to 2.5	Pass
					3.87	0.173	0.0002	-2.5 to 2.5	Pass
					4.45	0.826	0.0012	-2.5 to 2.5	Pass
				-30	3.87	-0.496	-0.0007	-2.5 to 2.5	Pass
				-20	3.87	-0.644	-0.0009	-2.5 to 2.5	Pass
				-10	3.87	-0.817	-0.0011	-2.5 to 2.5	Pass
				0	3.87	1.389	0.0020	-2.5 to 2.5	Pass
				10	3.87	2.611	0.0037	-2.5 to 2.5	Pass
				30	3.87	-1.105	-0.0016	-2.5 to 2.5	Pass
				40	3.87	-0.189	-0.0003	-2.5 to 2.5	Pass
				50	3.87	0.547	0.0008	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band12_OBW

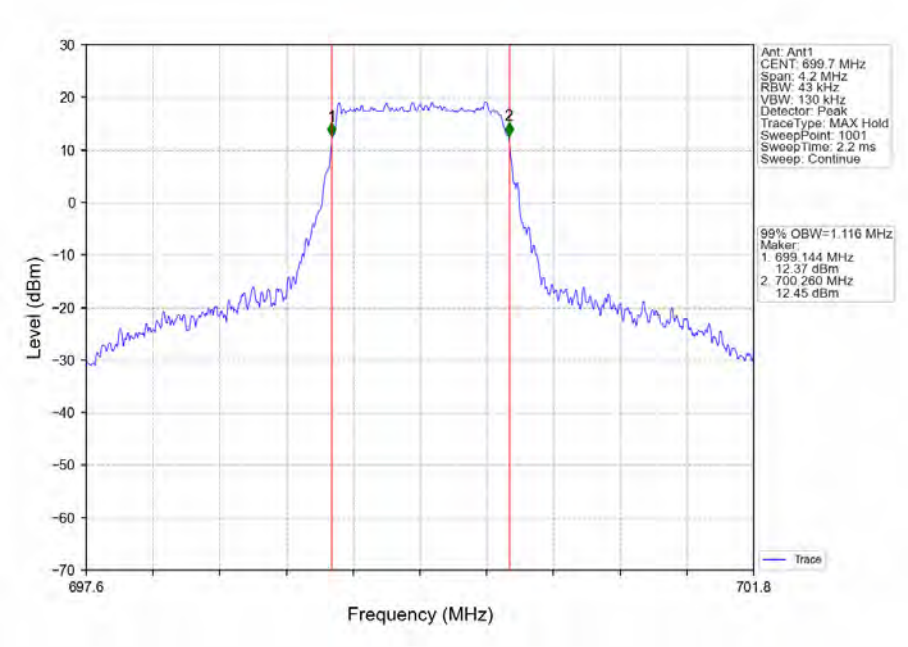
3.1.1 Test Result

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	1.122	/	Pass
		715.3	6	0	1.115	/	Pass
	16QAM	699.7	6	0	1.121	/	Pass
		707.5	6	0	1.127	/	Pass
		715.3	6	0	1.120	/	Pass
	64QAM	699.7	6	0	1.120	/	Pass
		707.5	6	0	1.124	/	Pass
		715.3	6	0	1.124	/	Pass
	256QAM	699.7	6	0	1.117	/	Pass
		707.5	6	0	1.112	/	Pass
		715.3	6	0	1.127	/	Pass
3	QPSK	700.5	15	0	2.749	/	Pass
		707.5	15	0	2.754	/	Pass
		714.5	15	0	2.750	/	Pass
	16QAM	700.5	15	0	2.755	/	Pass
		707.5	15	0	2.754	/	Pass
		714.5	15	0	2.747	/	Pass
	64QAM	700.5	15	0	2.751	/	Pass
		707.5	15	0	2.750	/	Pass
		714.5	15	0	2.744	/	Pass
	256QAM	700.5	15	0	2.738	/	Pass
		707.5	15	0	2.755	/	Pass
		714.5	15	0	2.744	/	Pass
5	QPSK	701.5	25	0	4.577	/	Pass
		707.5	25	0	4.568	/	Pass
		713.5	25	0	4.555	/	Pass
	16QAM	701.5	25	0	4.586	/	Pass
		707.5	25	0	4.560	/	Pass
		713.5	25	0	4.576	/	Pass
	64QAM	701.5	25	0	4.569	/	Pass

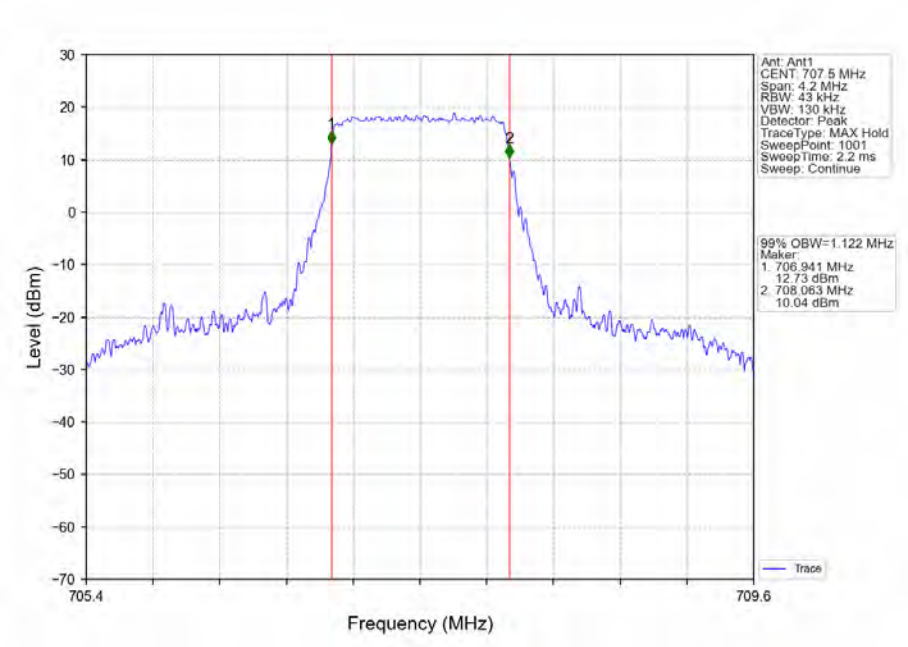
		707.5	25	0	4.563	/	Pass
		713.5	25	0	4.557	/	Pass
	256QAM	701.5	25	0	4.558	/	Pass
		707.5	25	0	4.547	/	Pass
		713.5	25	0	4.577	/	Pass
10	QPSK	704	50	0	9.064	/	Pass
		707.5	50	0	9.060	/	Pass
		711	50	0	9.094	/	Pass
	16QAM	704	50	0	9.028	/	Pass
		707.5	50	0	9.043	/	Pass
		711	50	0	9.081	/	Pass
	64QAM	704	50	0	9.043	/	Pass
		707.5	50	0	9.066	/	Pass
		711	50	0	9.076	/	Pass
	256QAM	704	50	0	9.038	/	Pass
		707.5	50	0	9.055	/	Pass
		711	50	0	9.063	/	Pass

3.1.2 Test Graph

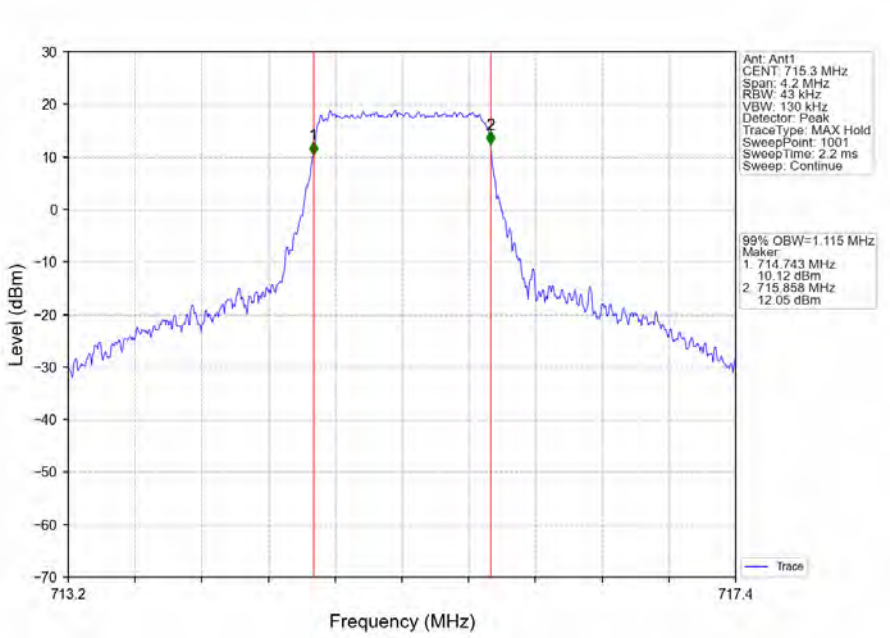
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



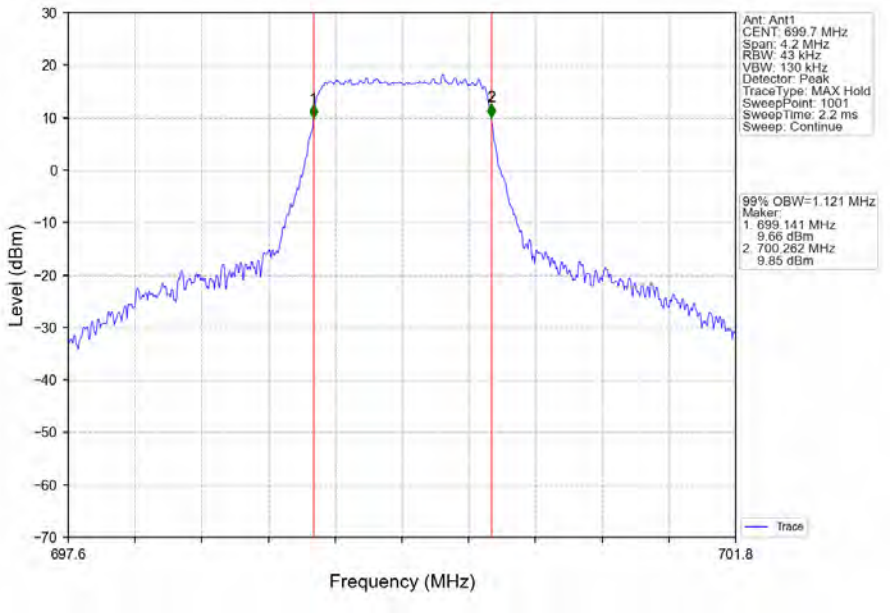
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



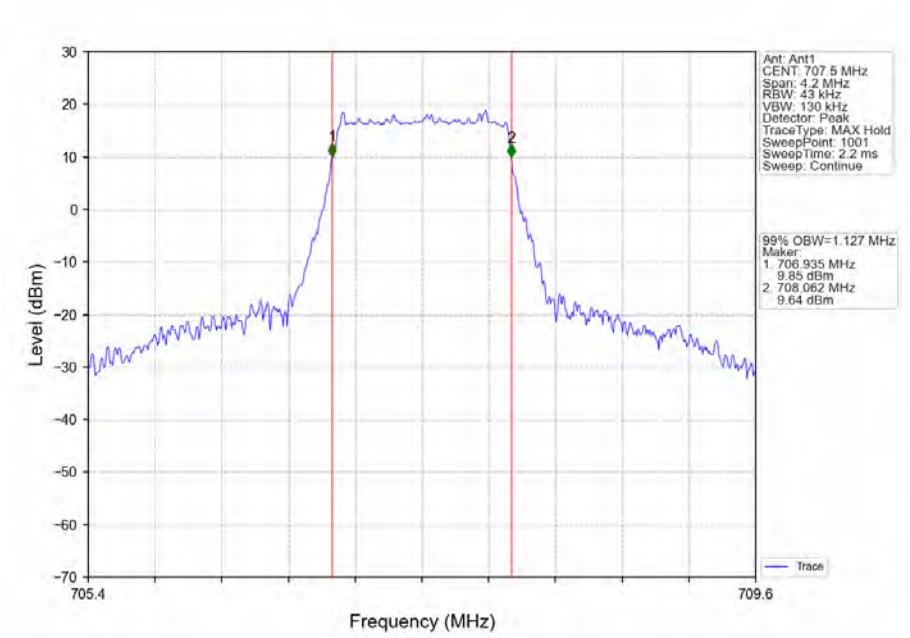
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



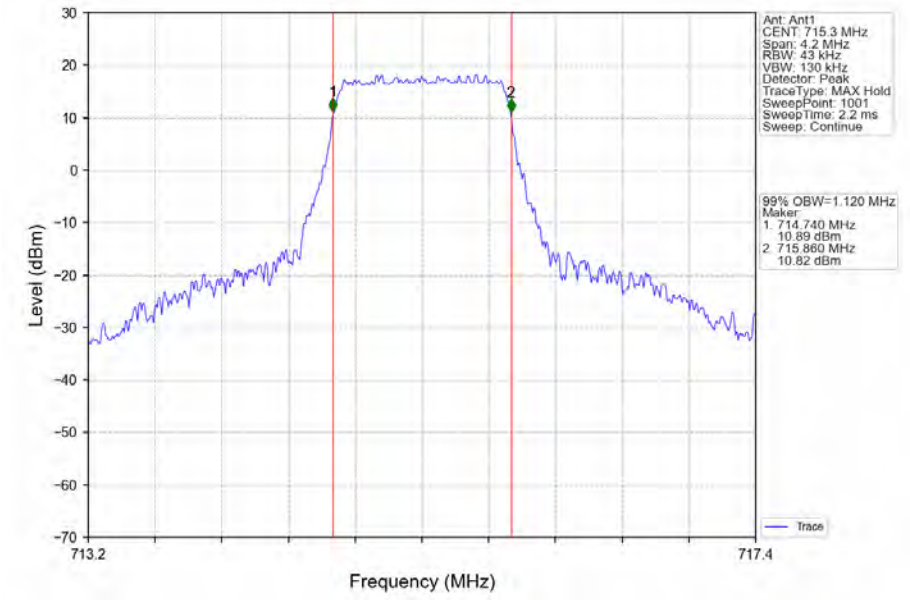
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



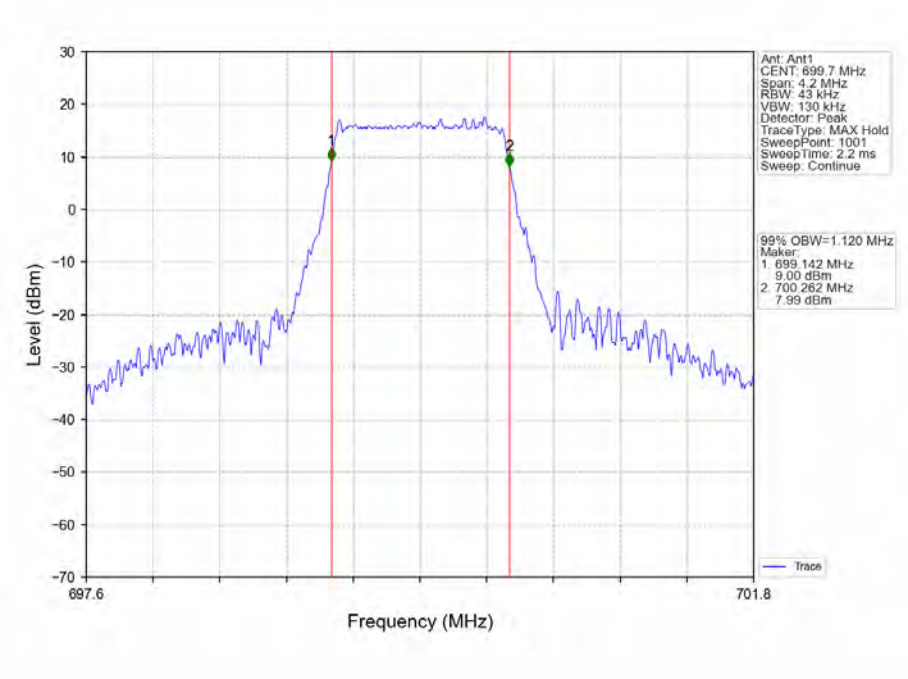
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



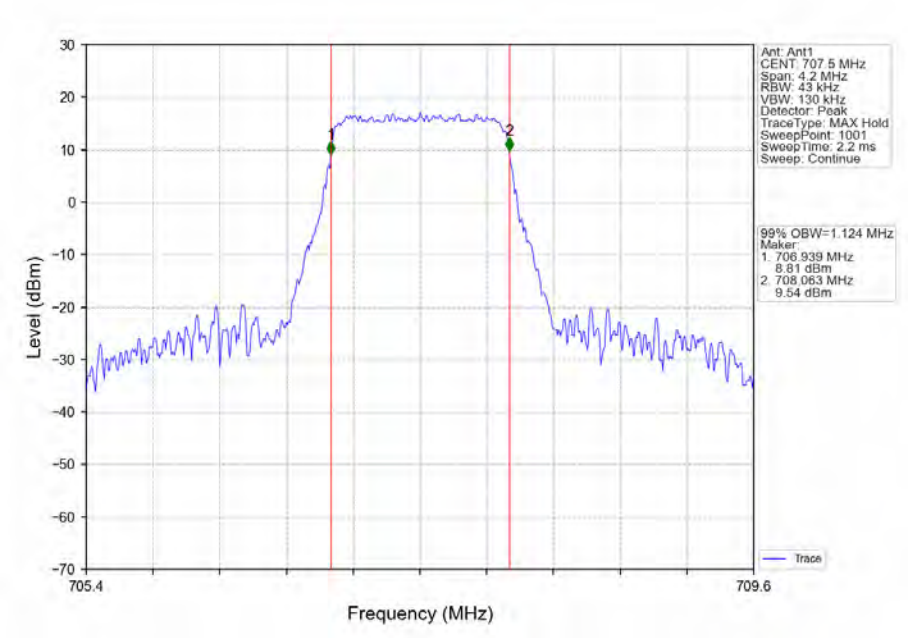
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



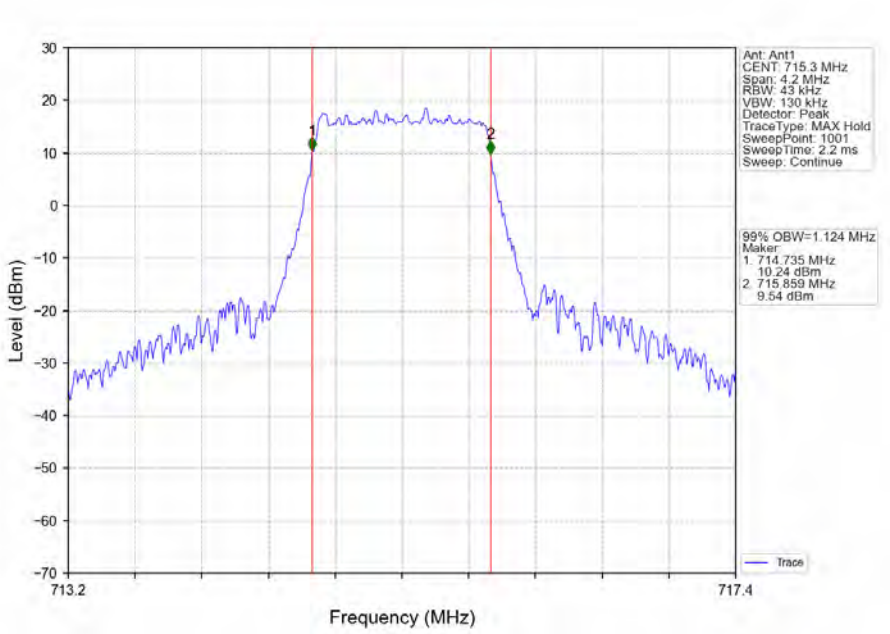
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



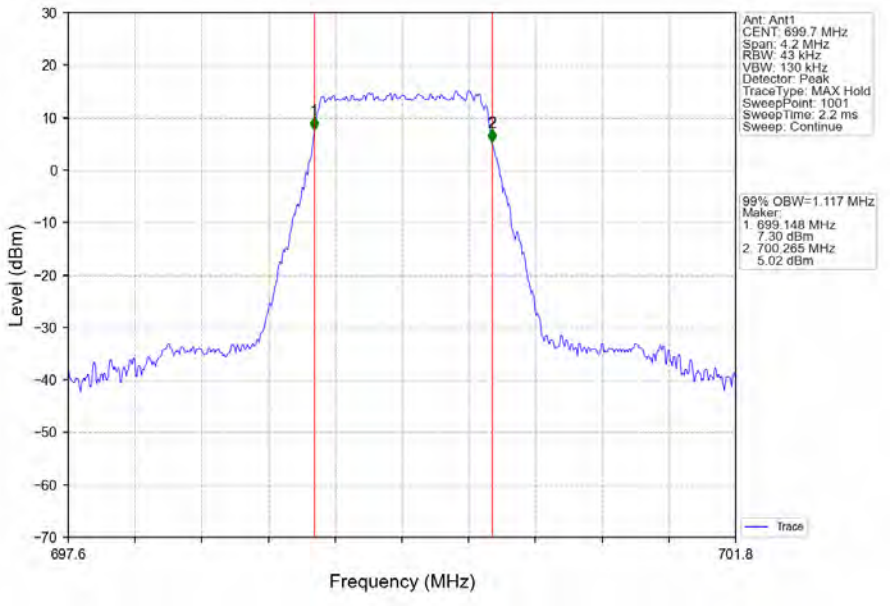
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



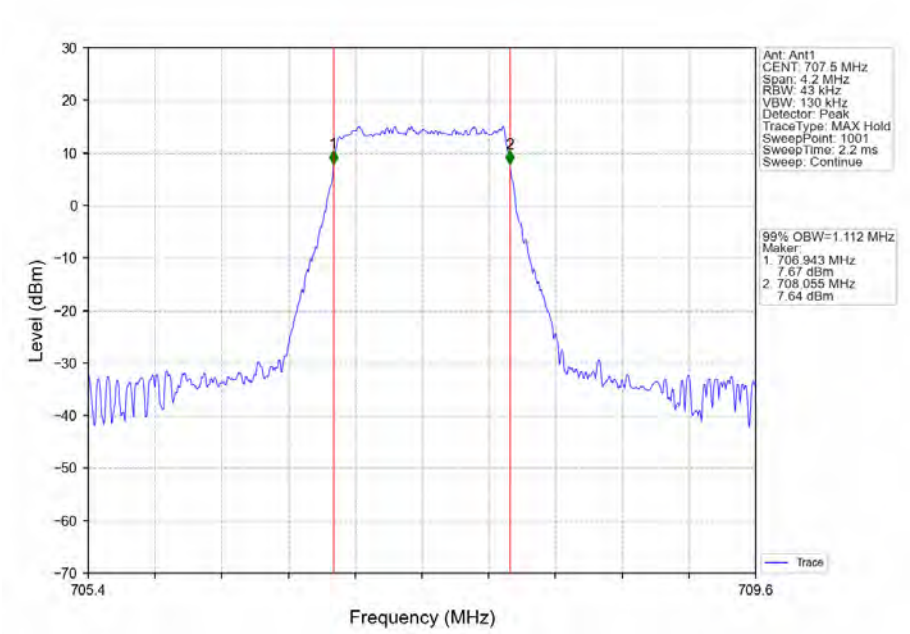
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



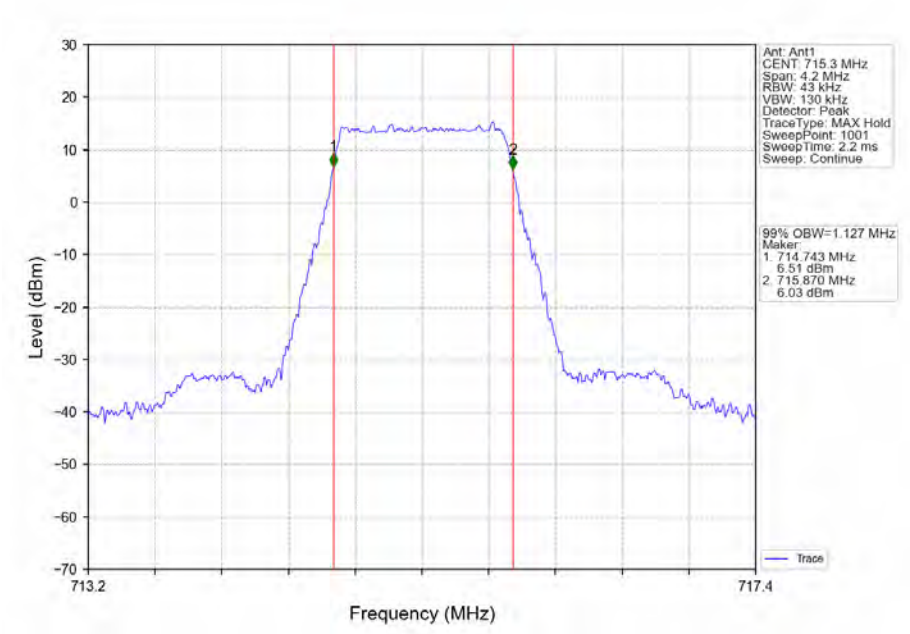
Band12_1.4MHz_256QAM_LCH_699.7MHz_RB_6_0_NTNV



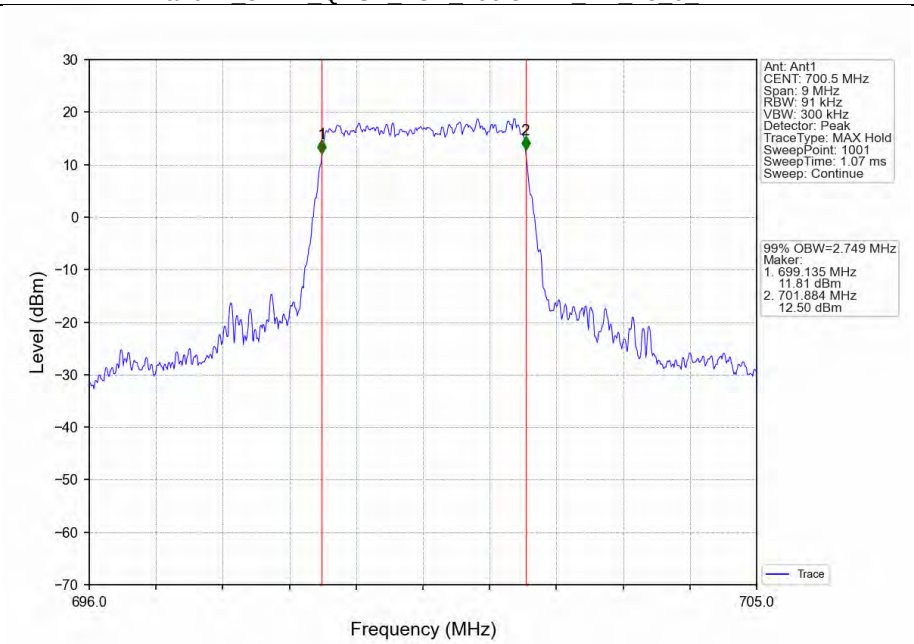
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



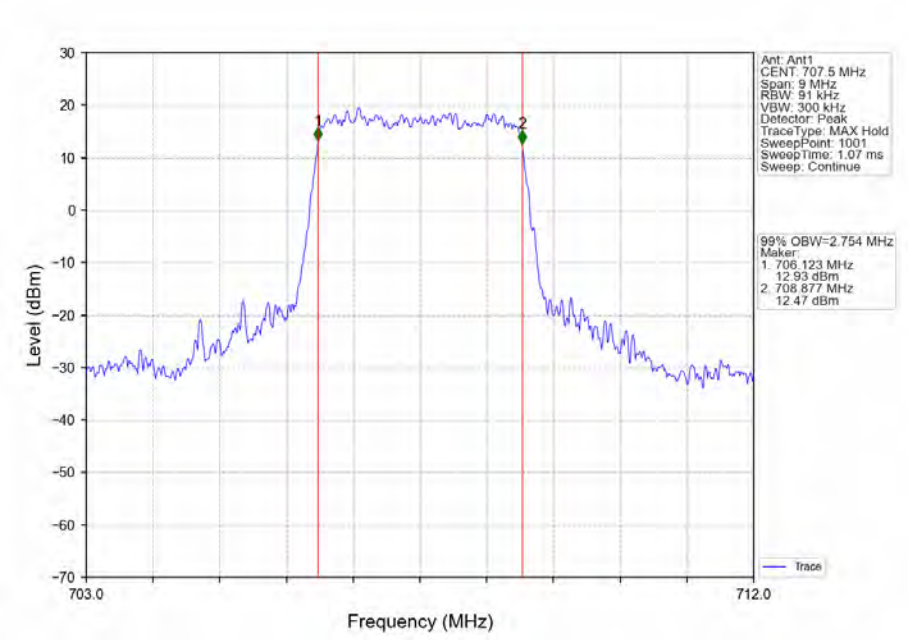
Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV



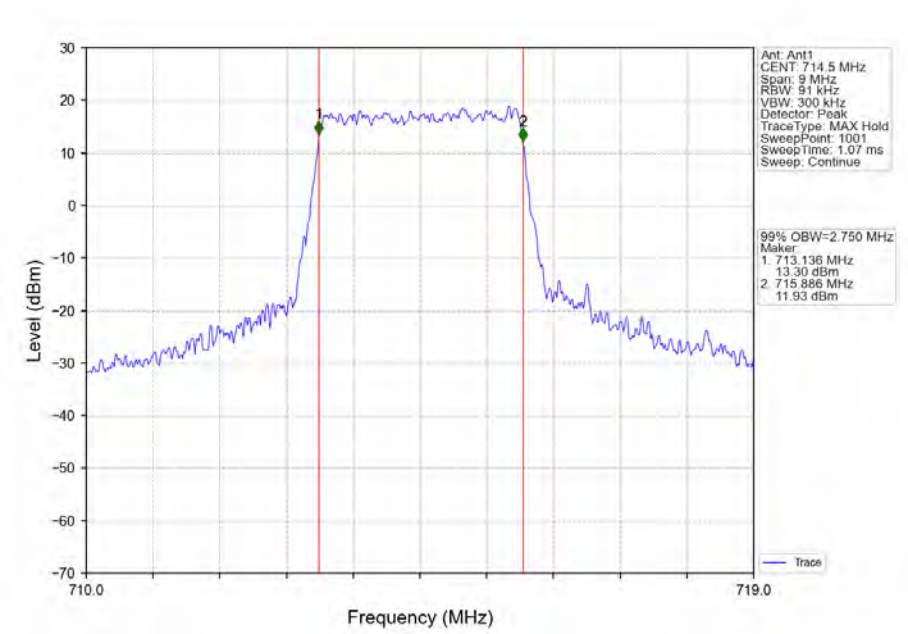
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



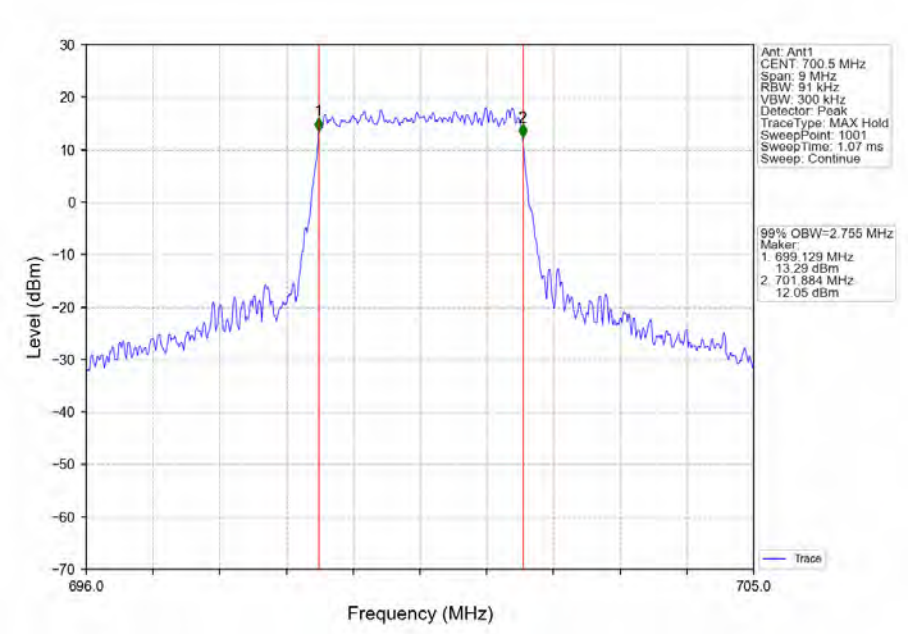
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



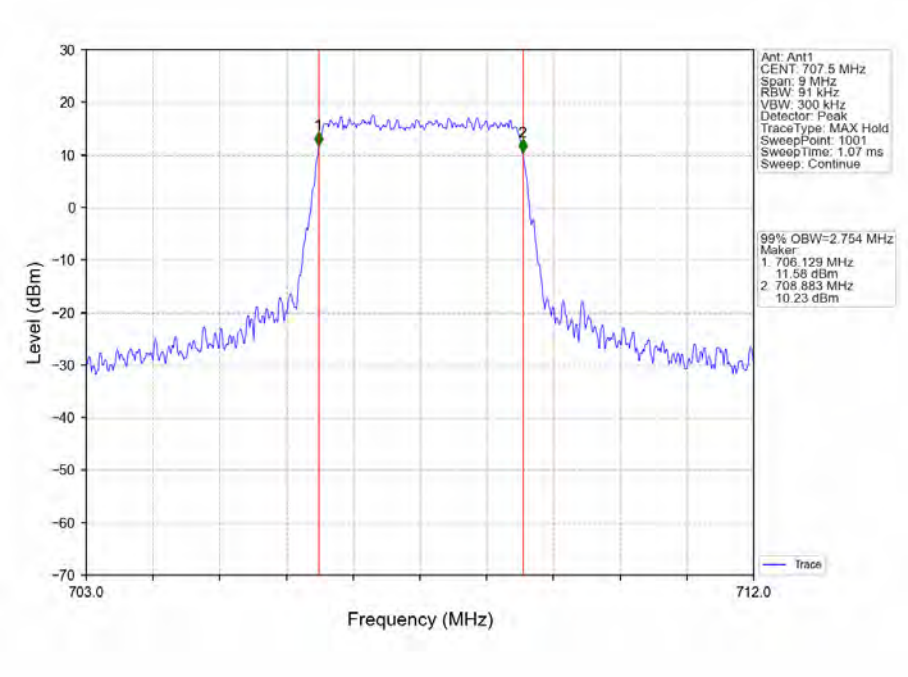
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



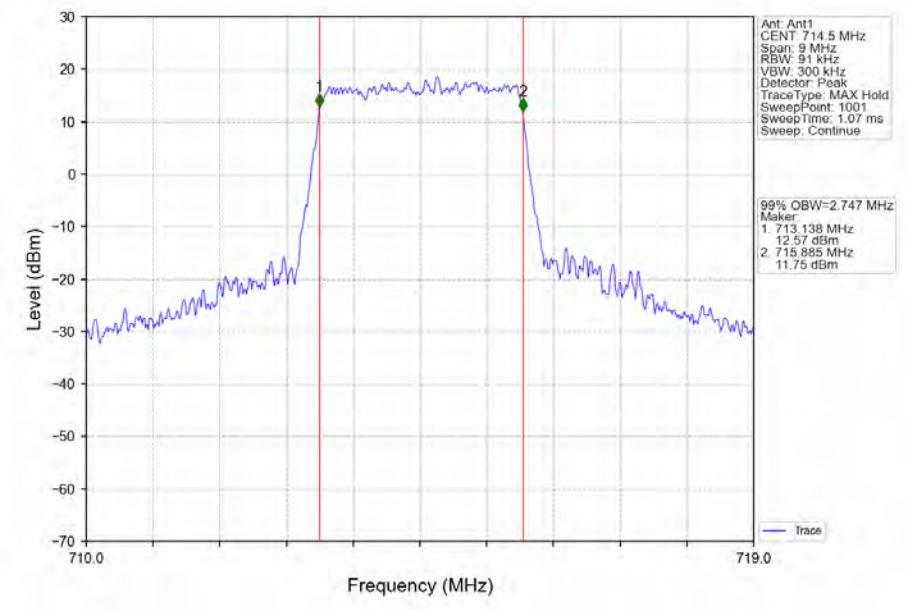
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



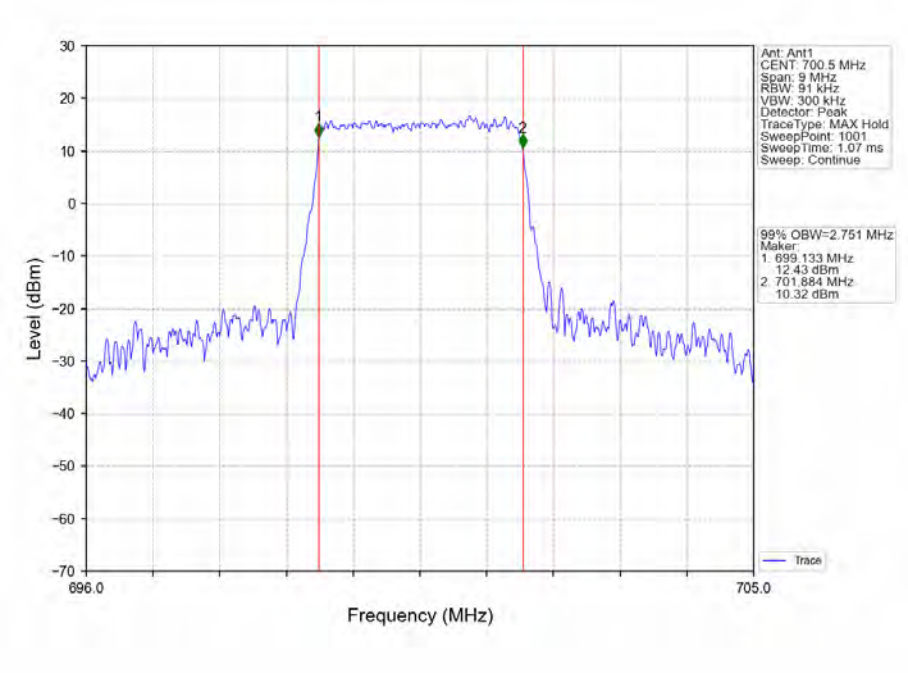
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



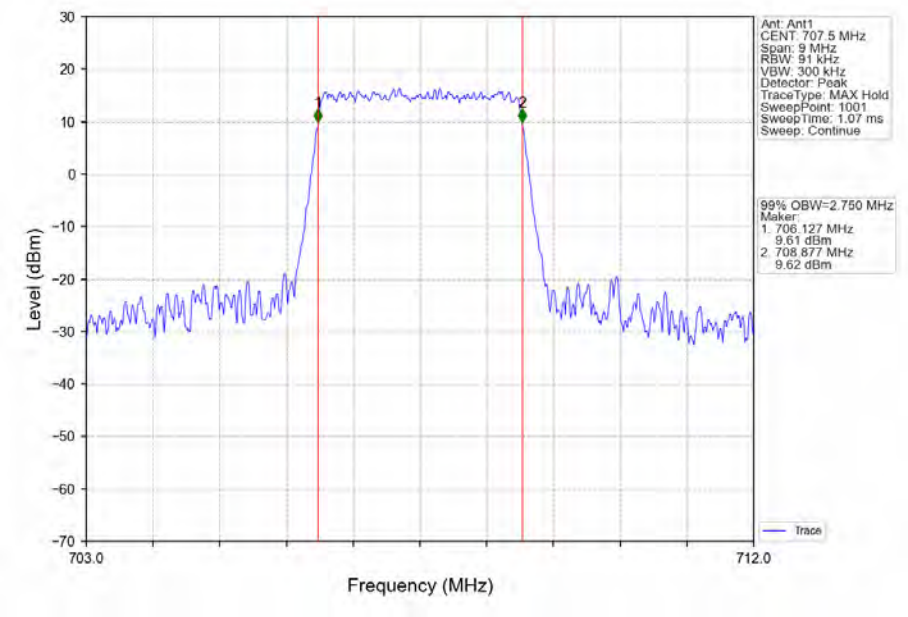
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



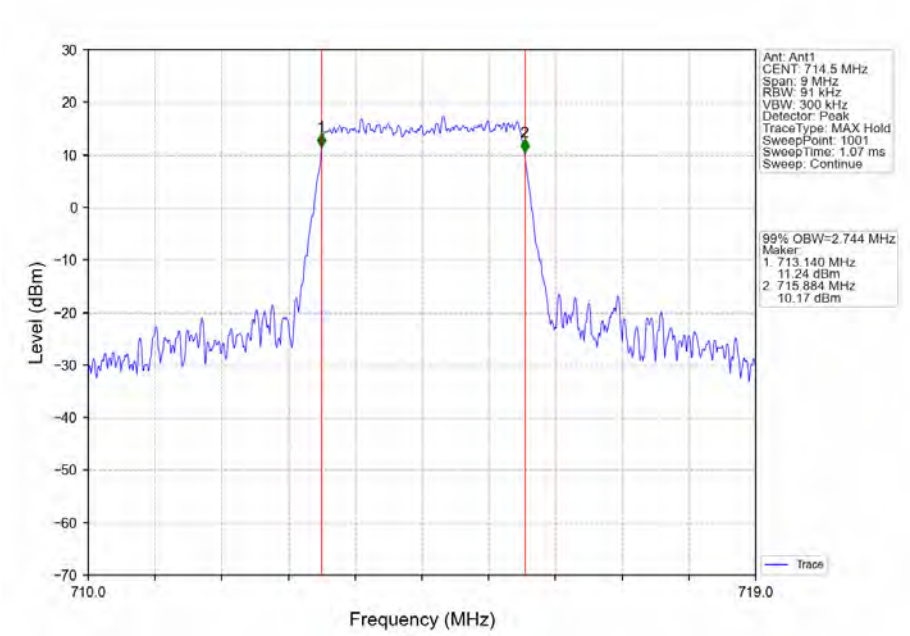
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



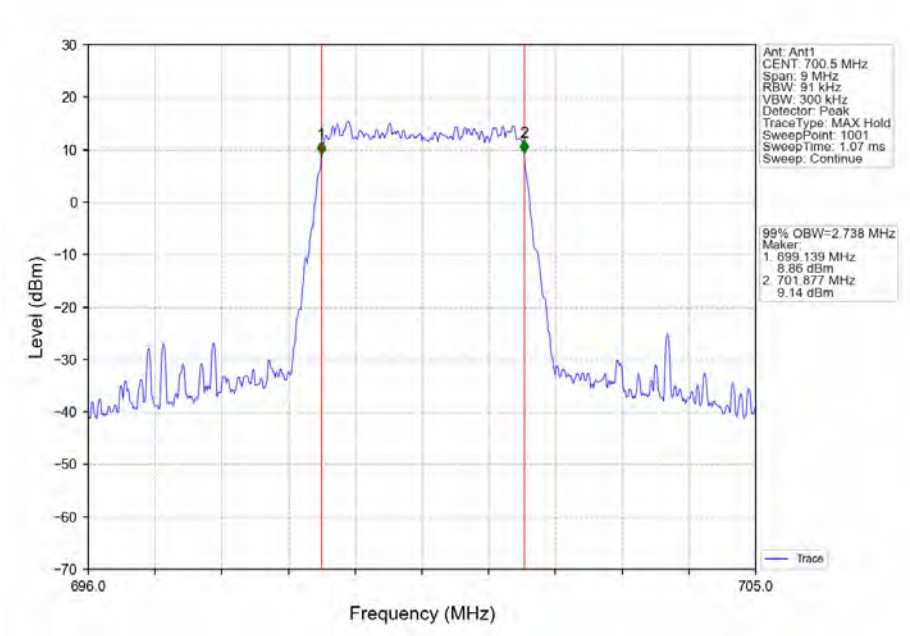
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



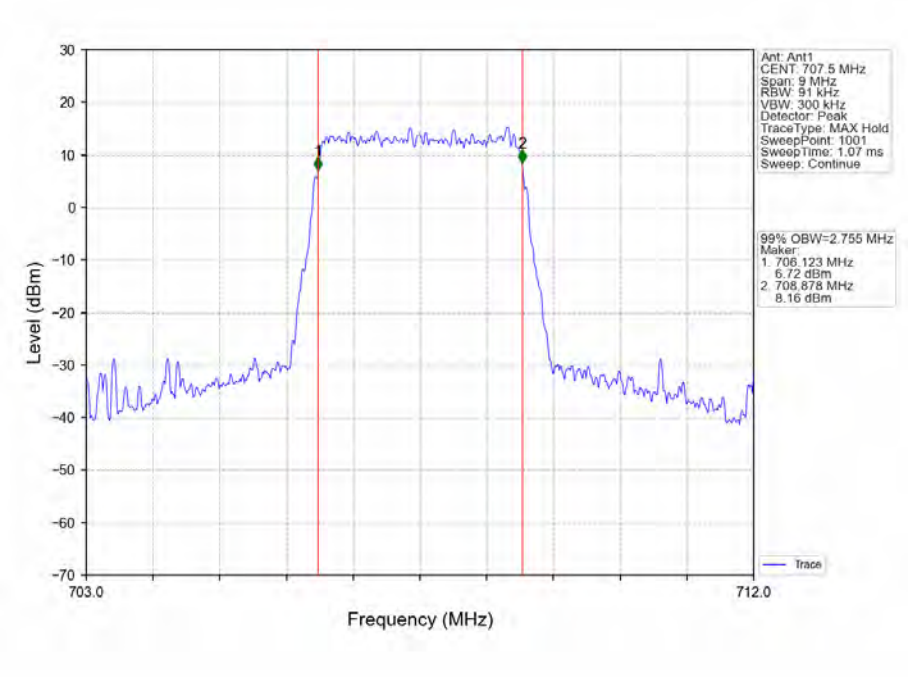
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



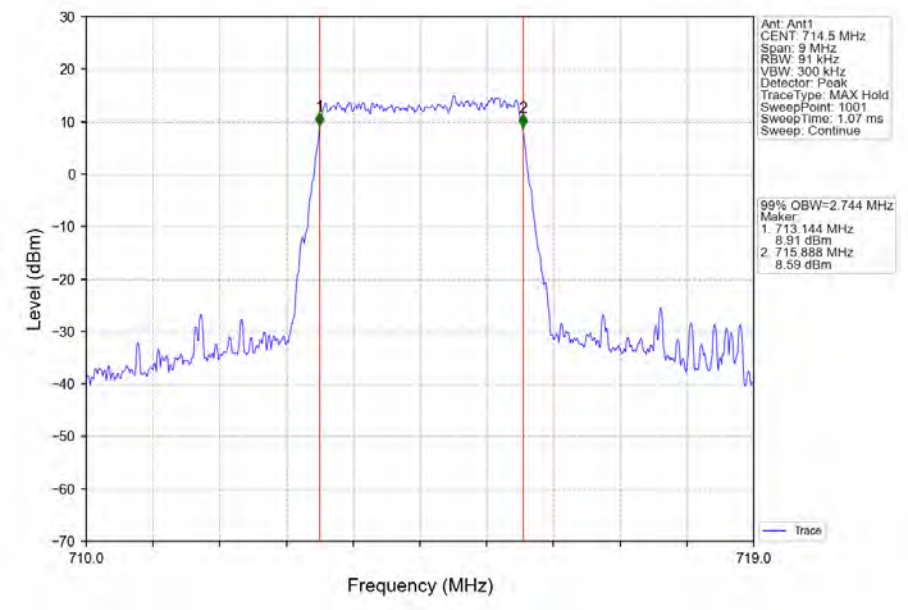
Band12_3MHz_256QAM_LCH_700.5MHz_RB_15_0_NTNV



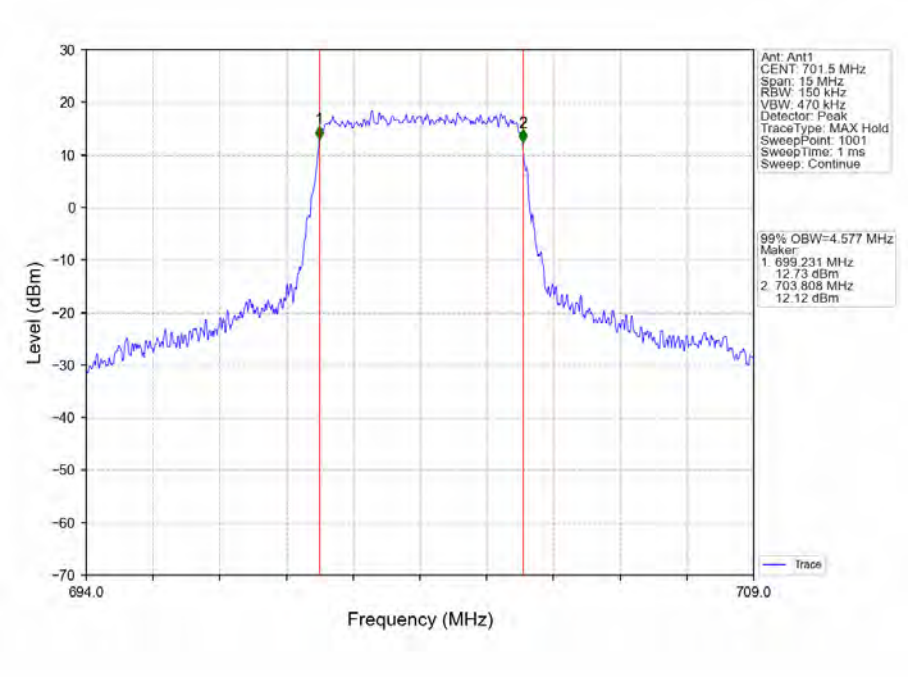
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



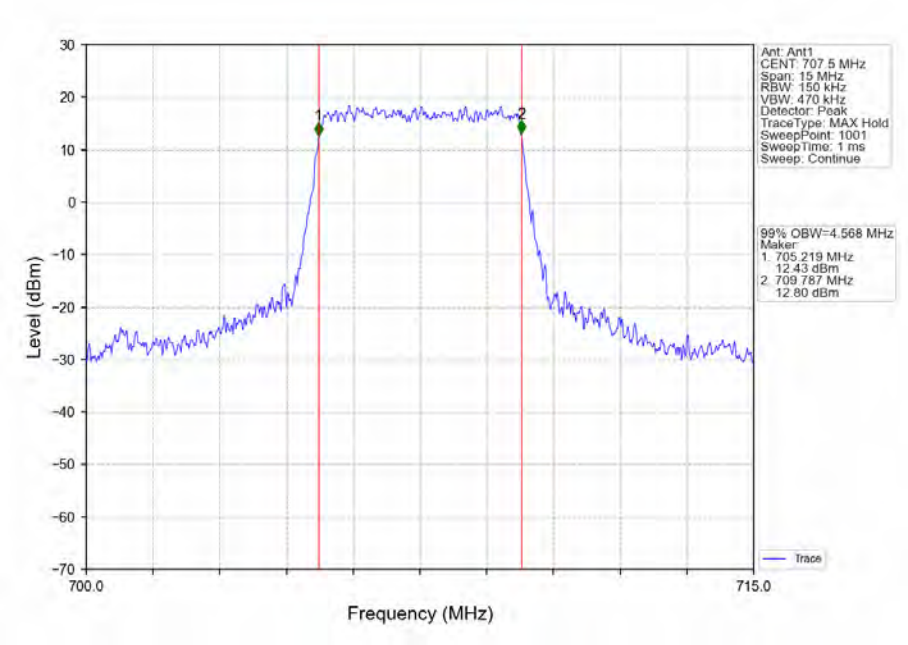
Band12_3MHz_256QAM_HCH_714.5MHz_RB_15_0_NTNV



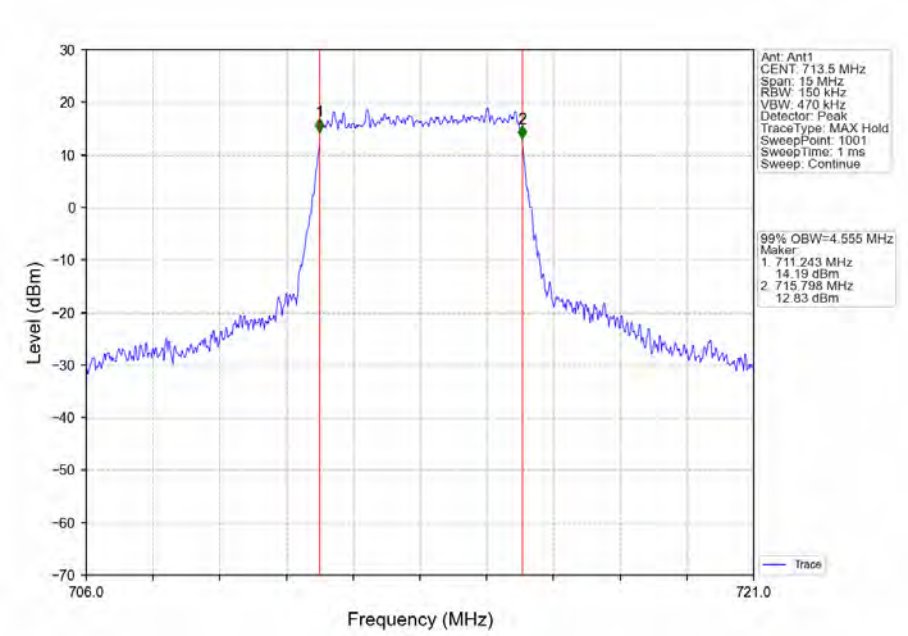
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



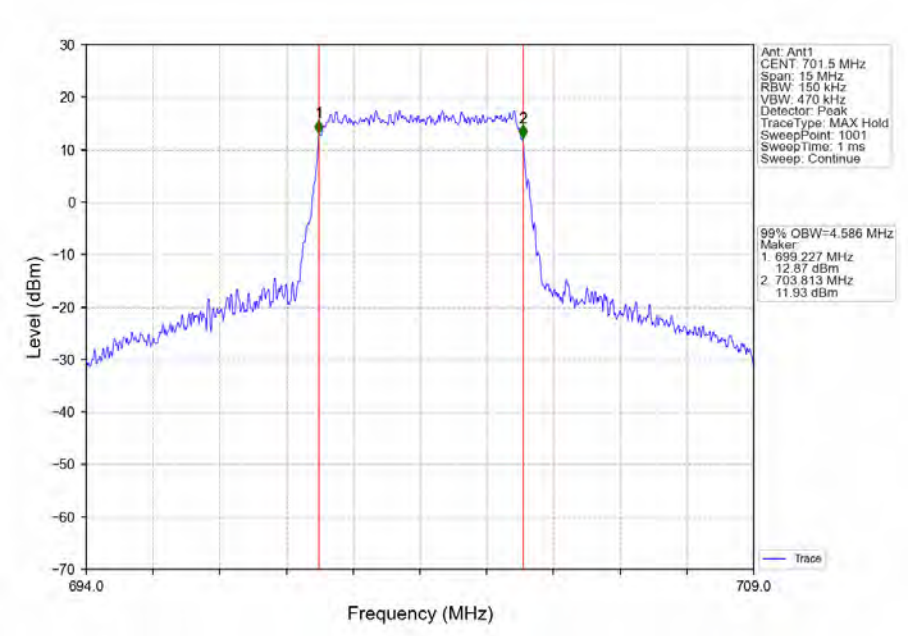
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



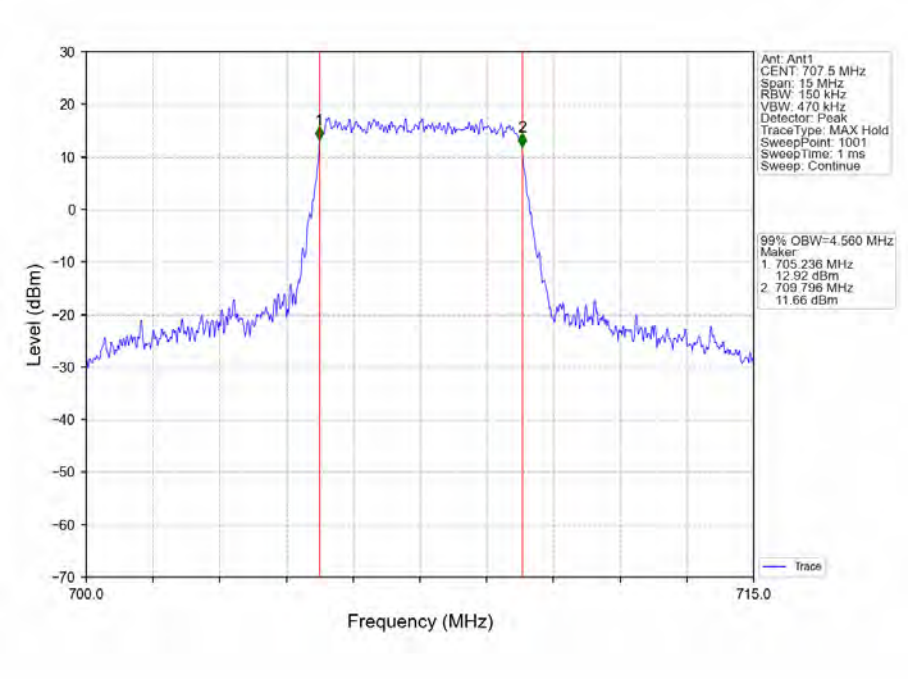
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



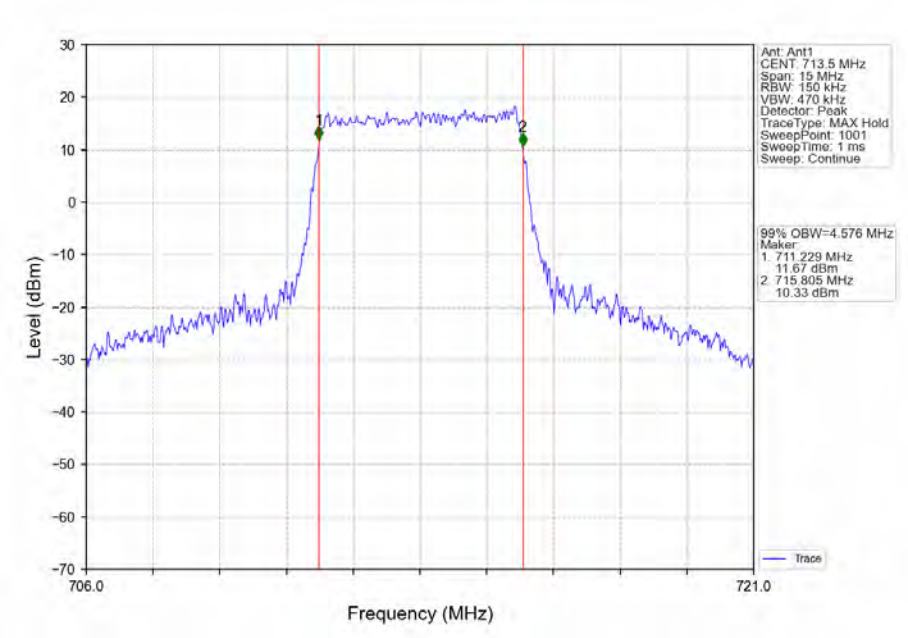
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



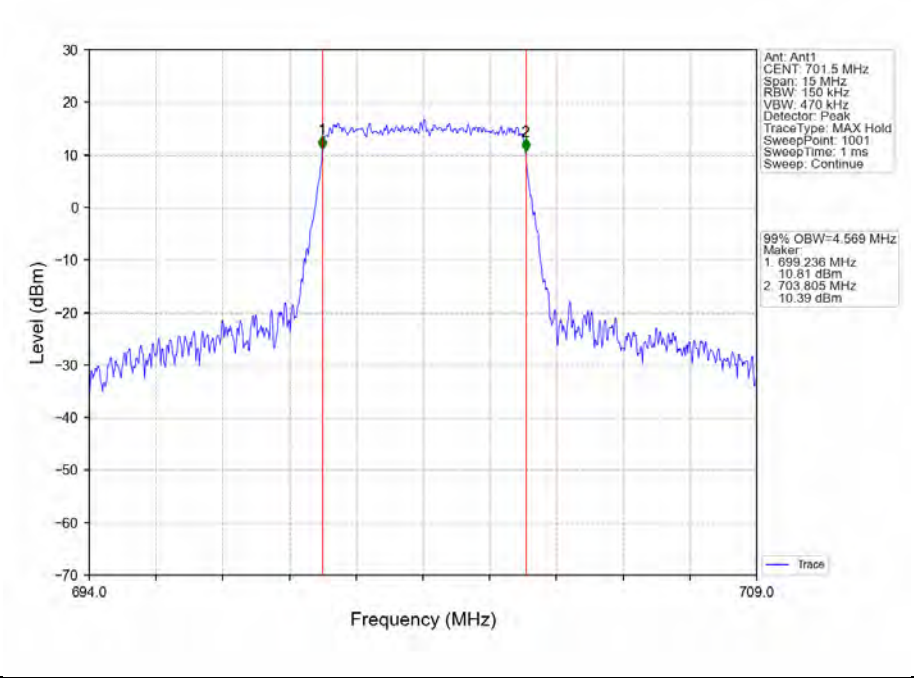
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



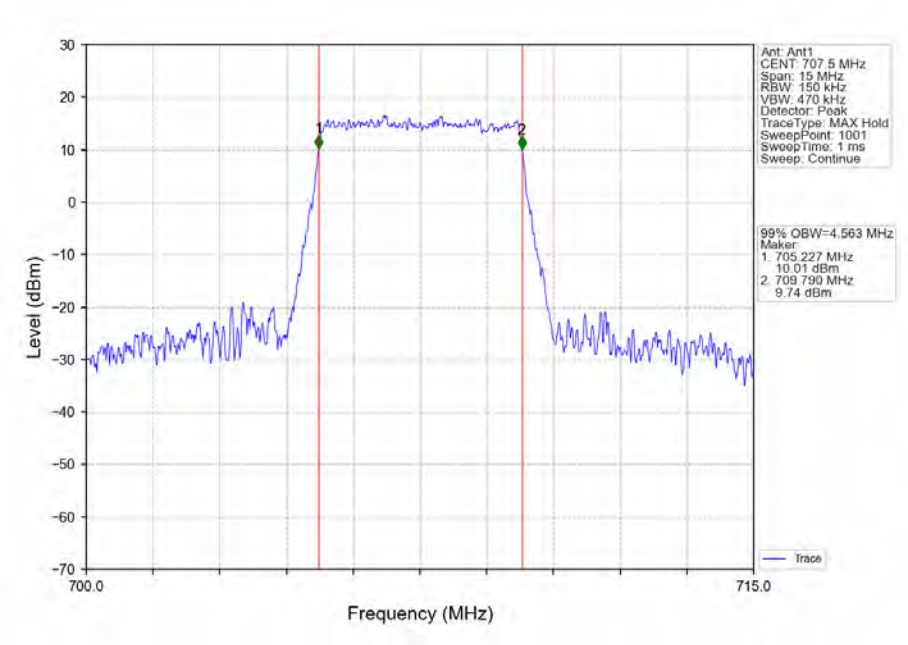
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



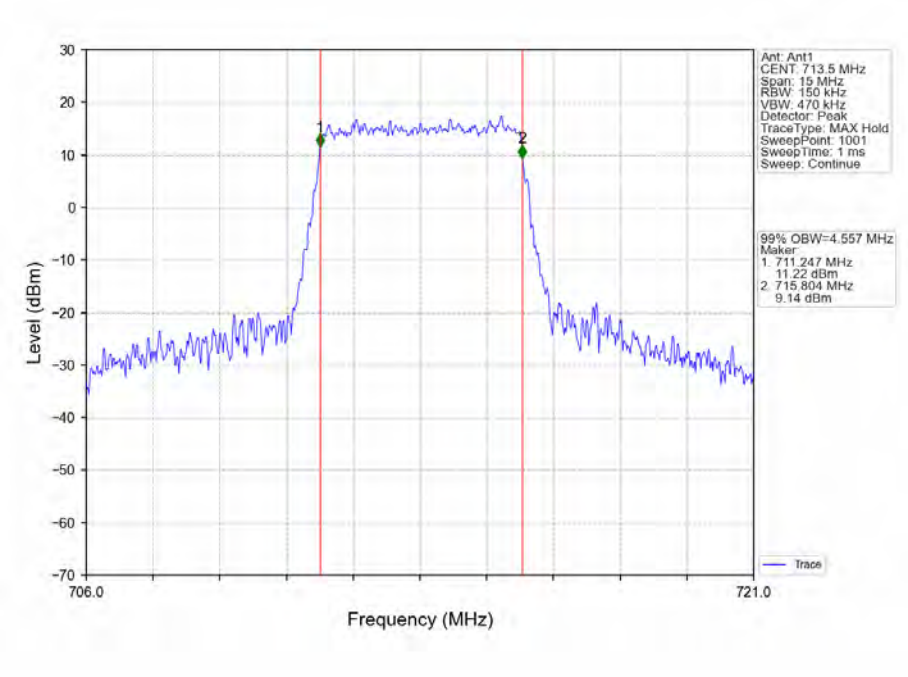
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



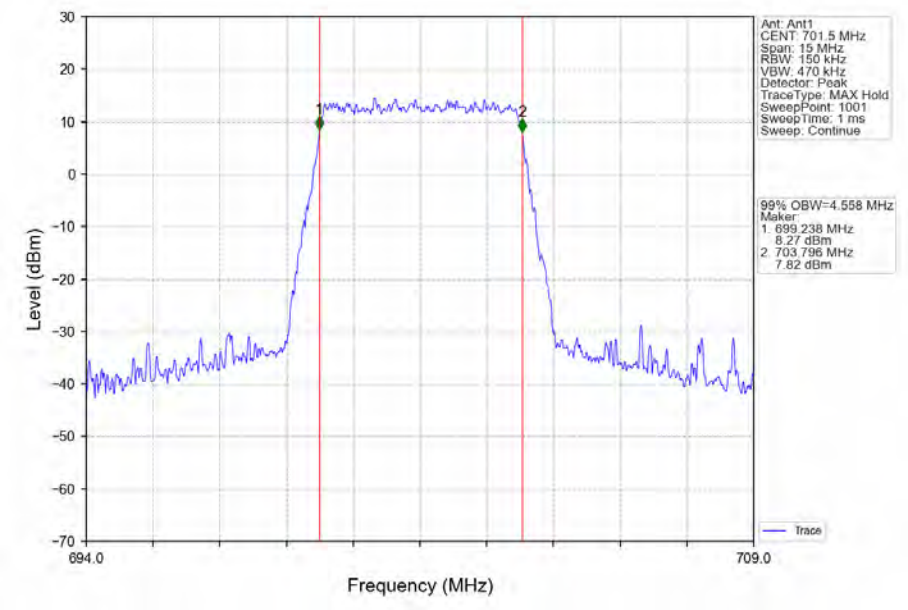
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



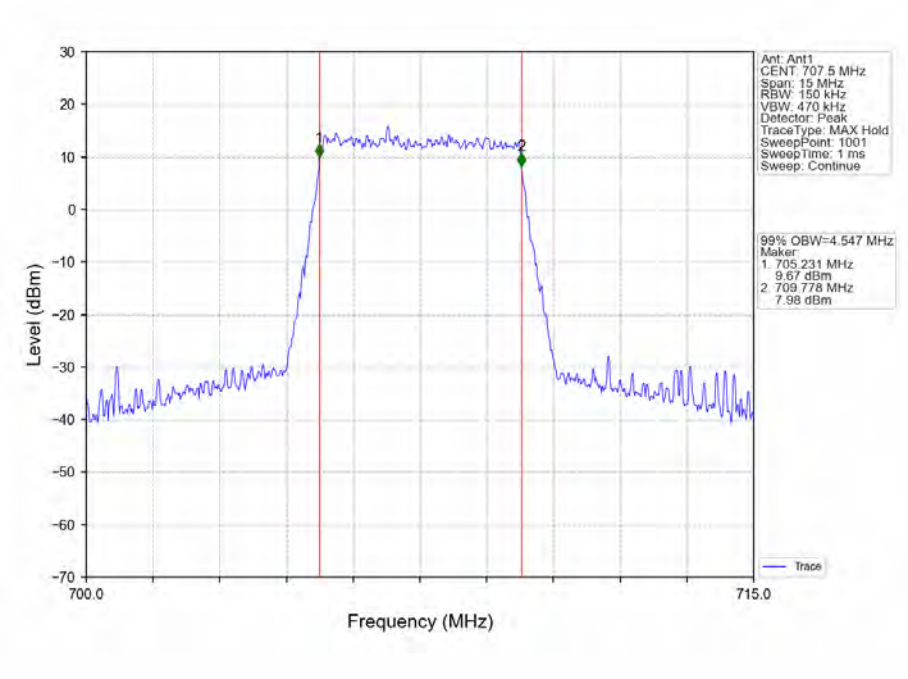
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



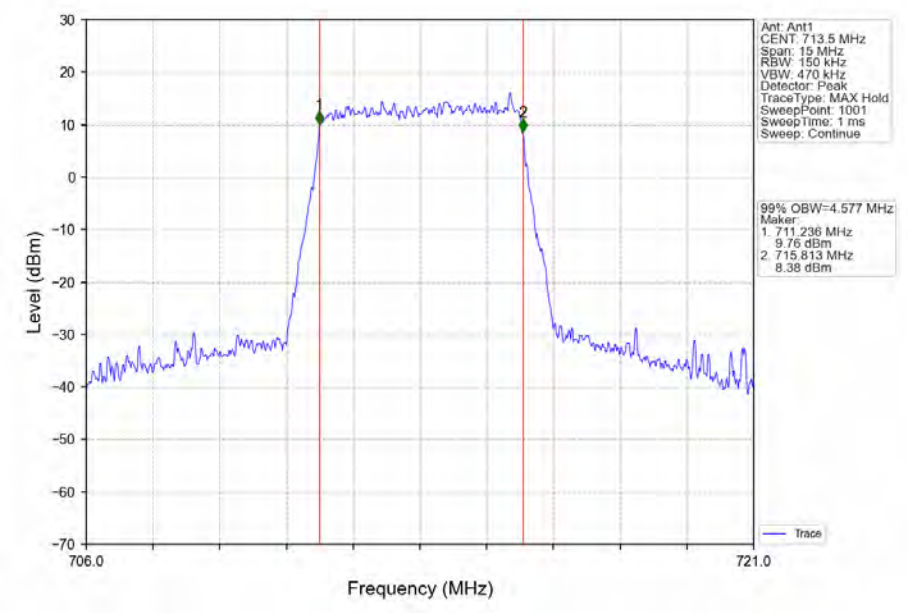
Band12_5MHz_256QAM_LCH_701.5MHz_RB_25_0_NTNV



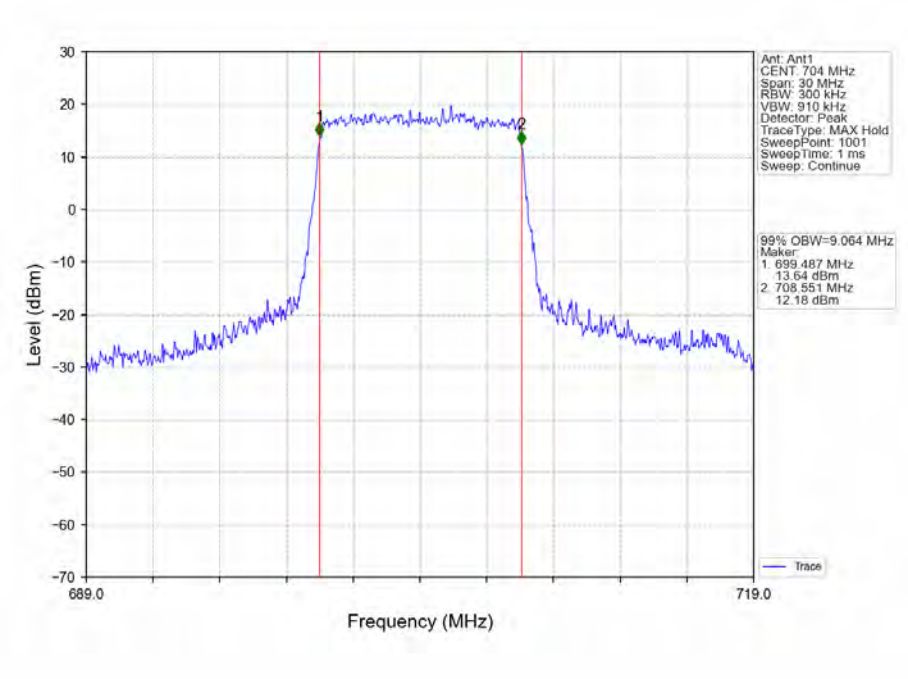
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



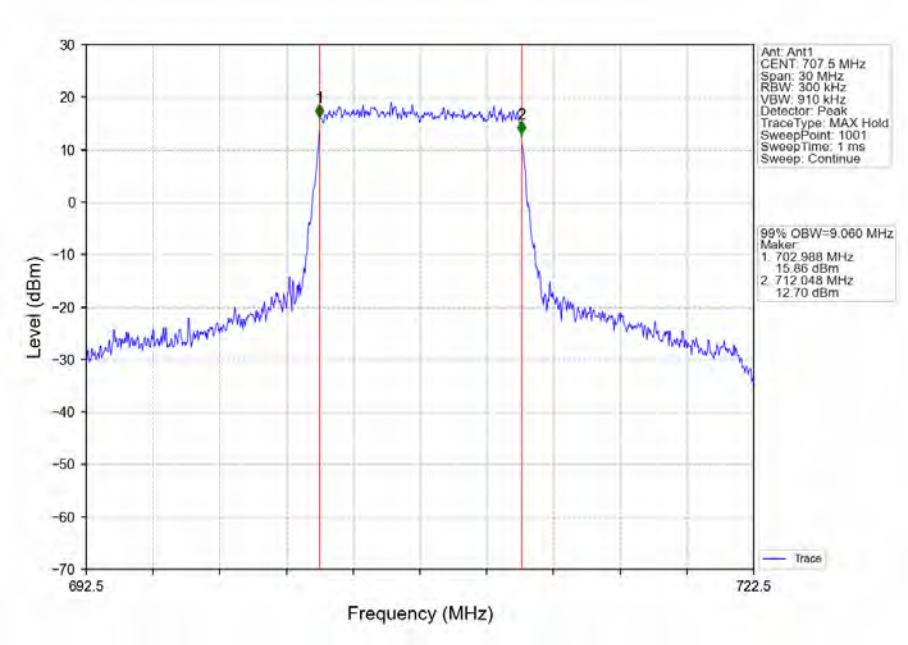
Band12_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



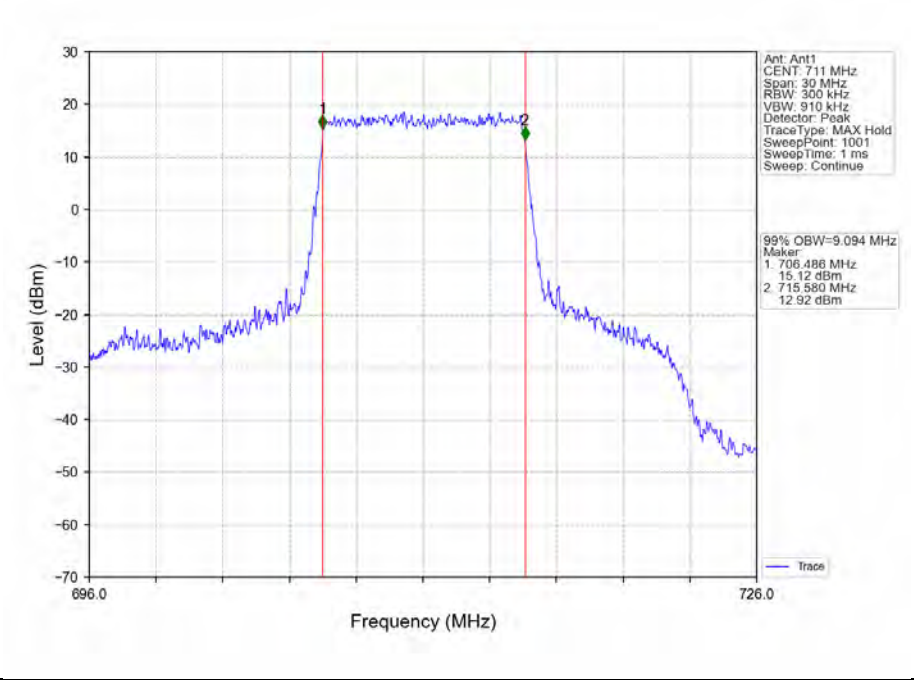
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



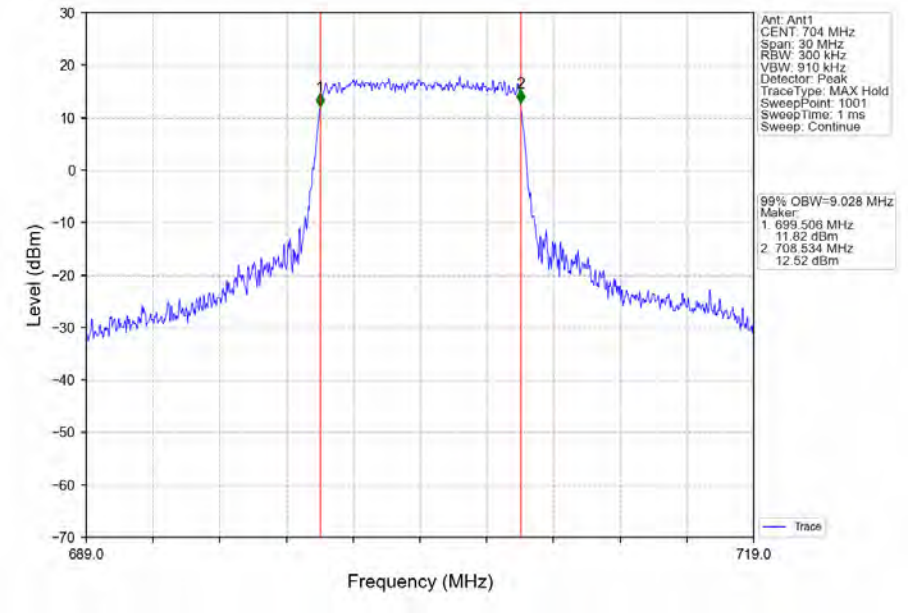
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



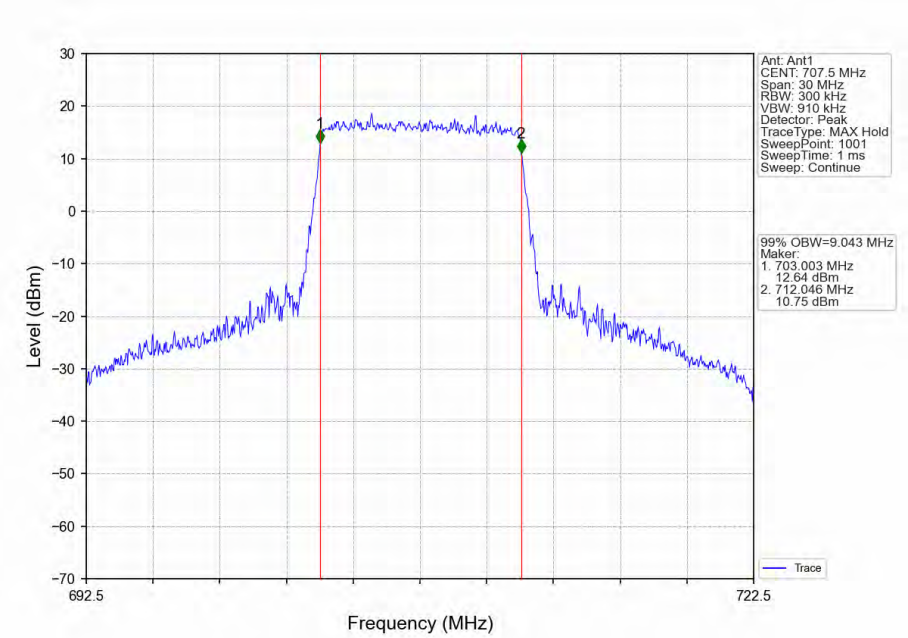
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



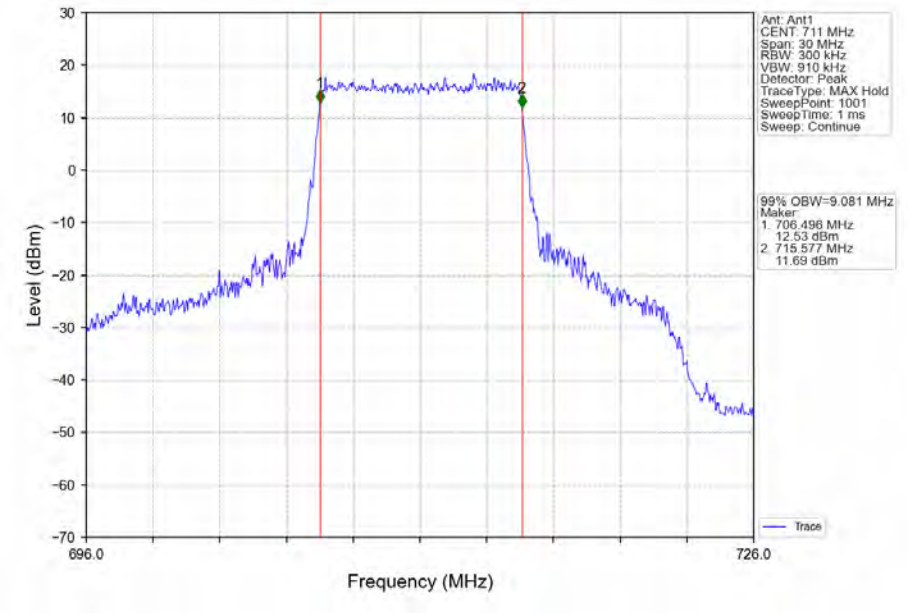
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



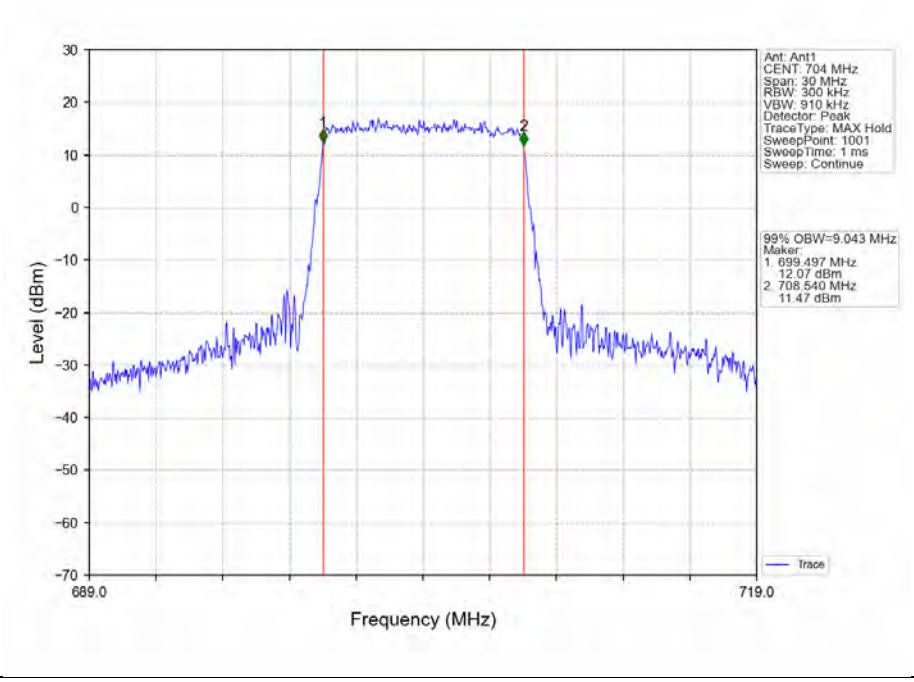
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



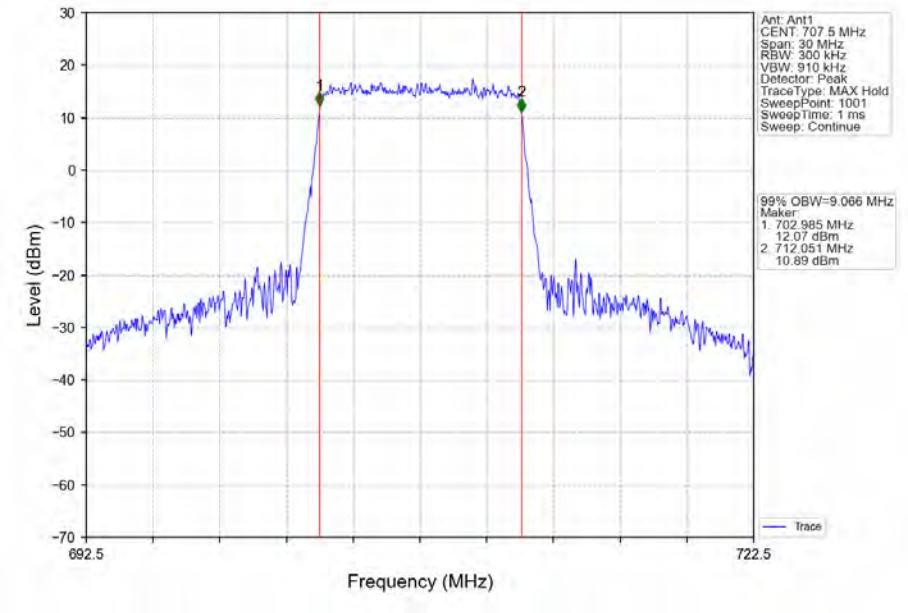
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



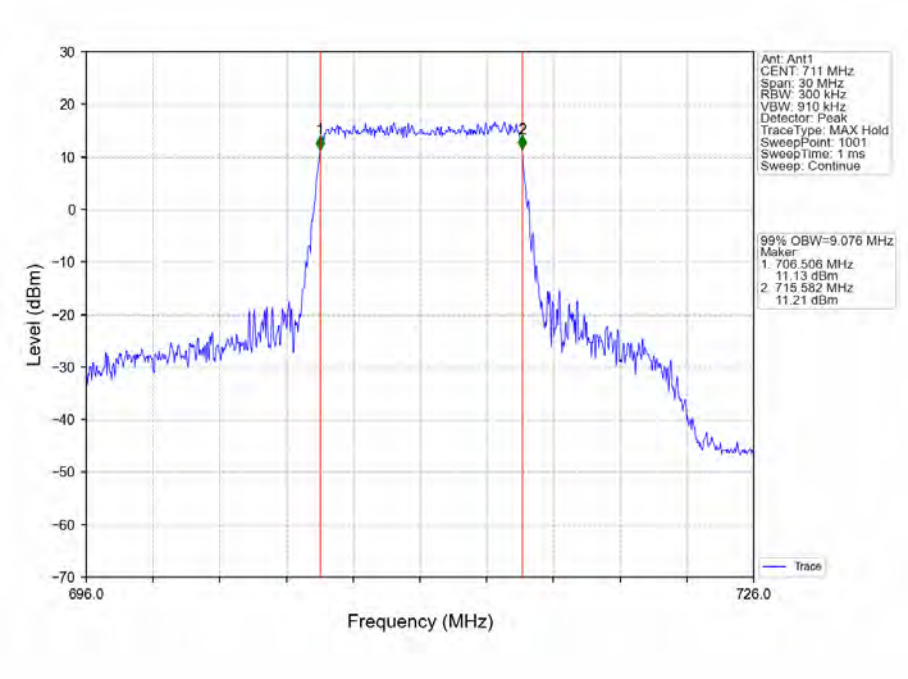
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



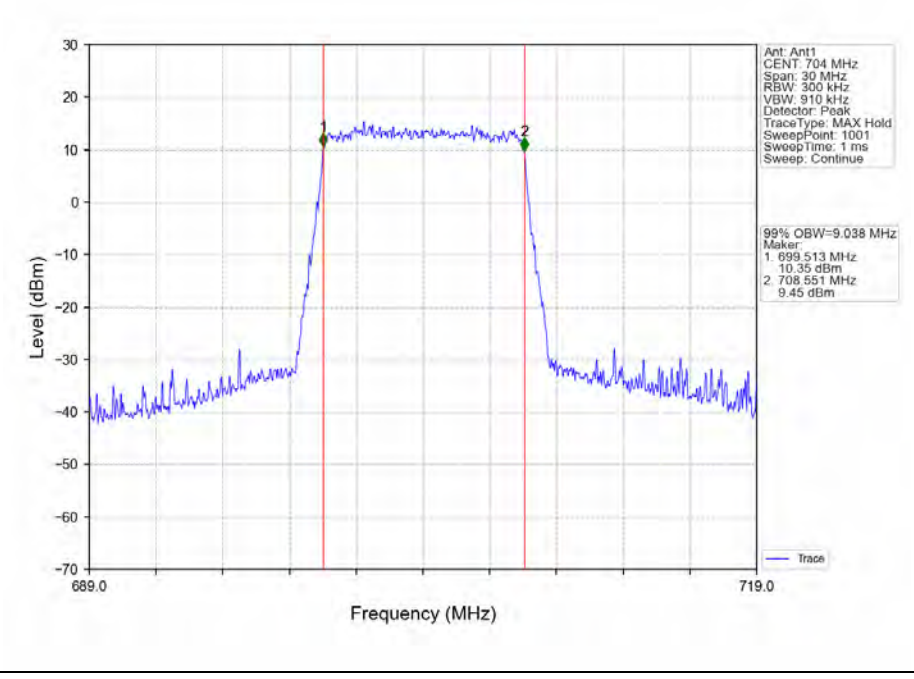
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



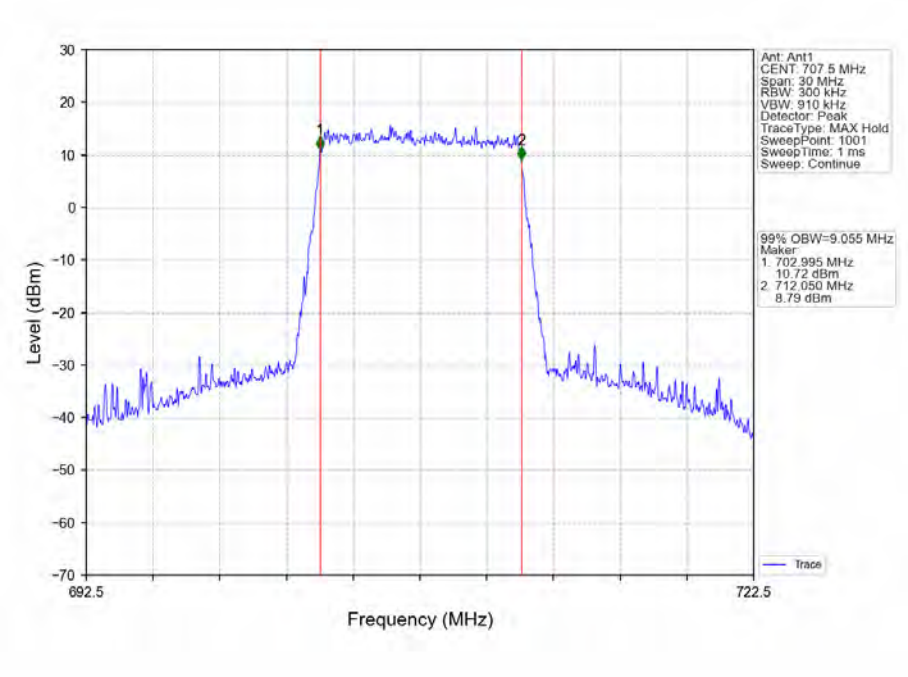
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



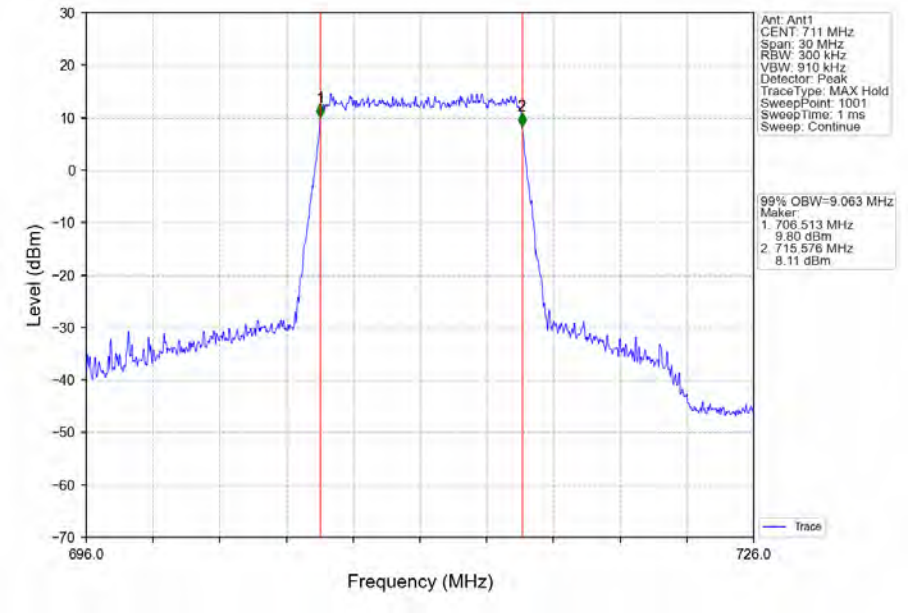
Band12_10MHz_256QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



3.2 Band12_XDB

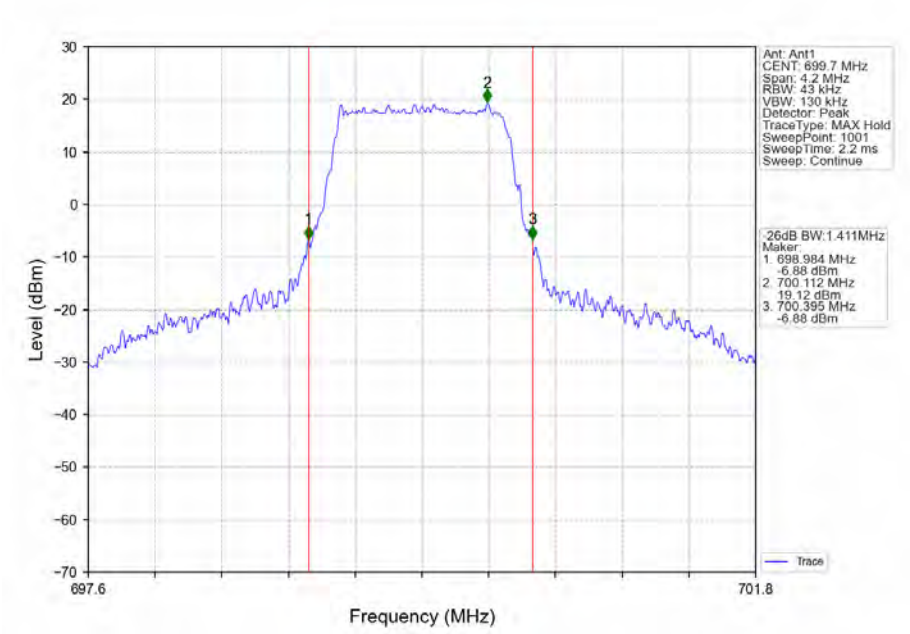
3.2.1 Test Result

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	1.411	/	Pass
		707.5	6	0	1.413	/	Pass
		715.3	6	0	1.438	/	Pass
	16QAM	699.7	6	0	1.406	/	Pass
		707.5	6	0	1.401	/	Pass
		715.3	6	0	1.411	/	Pass
	64QAM	699.7	6	0	1.399	/	Pass
		707.5	6	0	1.419	/	Pass
		715.3	6	0	1.361	/	Pass
	256QAM	699.7	6	0	1.383	/	Pass
		707.5	6	0	1.391	/	Pass
		715.3	6	0	1.403	/	Pass
3	QPSK	700.5	15	0	3.143	/	Pass
		707.5	15	0	3.101	/	Pass
		714.5	15	0	3.160	/	Pass
	16QAM	700.5	15	0	3.144	/	Pass
		707.5	15	0	3.152	/	Pass
		714.5	15	0	3.106	/	Pass
	64QAM	700.5	15	0	3.143	/	Pass
		707.5	15	0	3.109	/	Pass
		714.5	15	0	3.116	/	Pass
	256QAM	700.5	15	0	3.142	/	Pass
		707.5	15	0	3.085	/	Pass
		714.5	15	0	3.089	/	Pass
5	QPSK	701.5	25	0	5.227	/	Pass
		707.5	25	0	5.231	/	Pass
		713.5	25	0	5.203	/	Pass
	16QAM	701.5	25	0	5.241	/	Pass
		707.5	25	0	5.352	/	Pass
		713.5	25	0	5.215	/	Pass
	64QAM	701.5	25	0	5.260	/	Pass
		707.5	25	0	5.279	/	Pass
		713.5	25	0	5.233	/	Pass
	256QAM	701.5	25	0	5.273	/	Pass
		707.5	25	0	5.170	/	Pass
		713.5	25	0	5.165	/	Pass
10	QPSK	704	50	0	10.070	/	Pass
		707.5	50	0	10.080	/	Pass
		711	50	0	10.111	/	Pass
	16QAM	704	50	0	10.039	/	Pass
		707.5	50	0	10.252	/	Pass
		711	50	0	10.179	/	Pass
	64QAM	704	50	0	10.147	/	Pass
		707.5	50	0	10.173	/	Pass
		711	50	0	10.201	/	Pass
	256QAM	704	50	0	10.181	/	Pass
		707.5	50	0	10.098	/	Pass

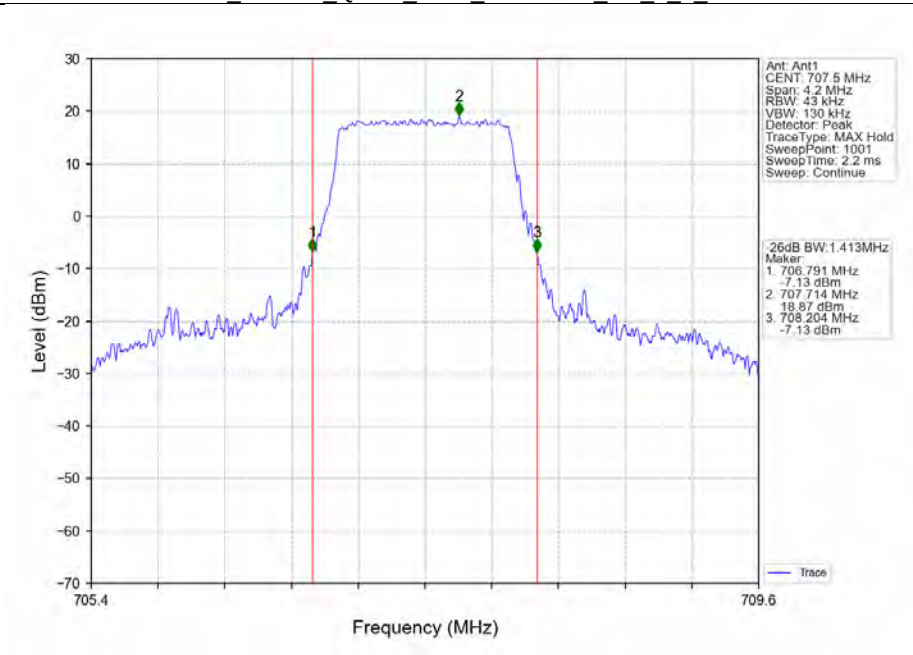
		711	50	0	10.210	/	Pass

3.2.2 Test Graph

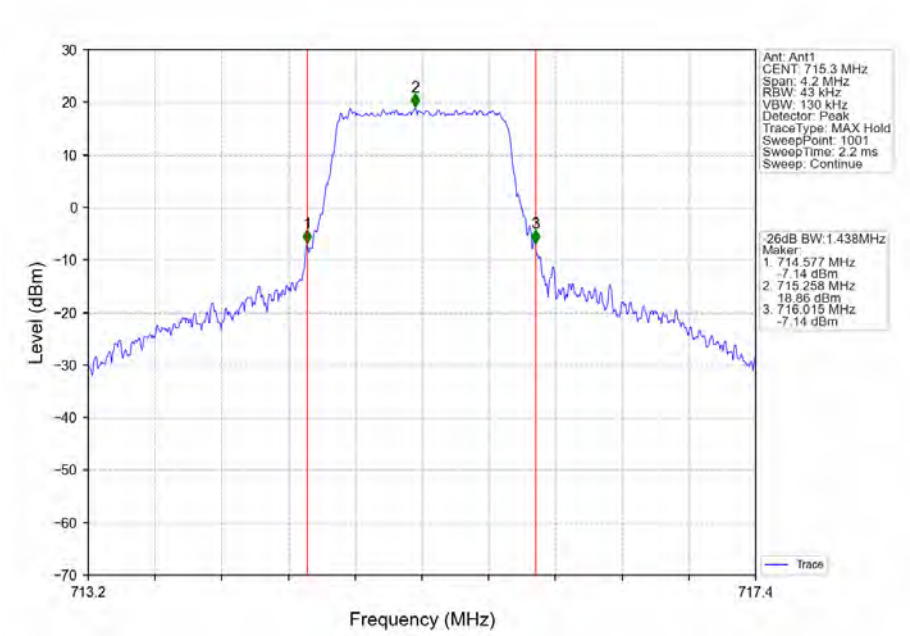
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



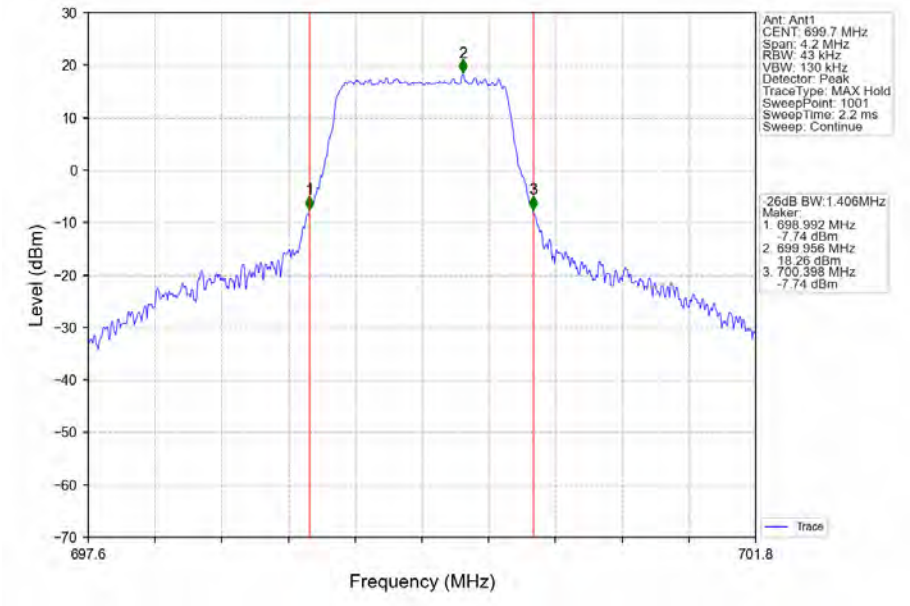
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



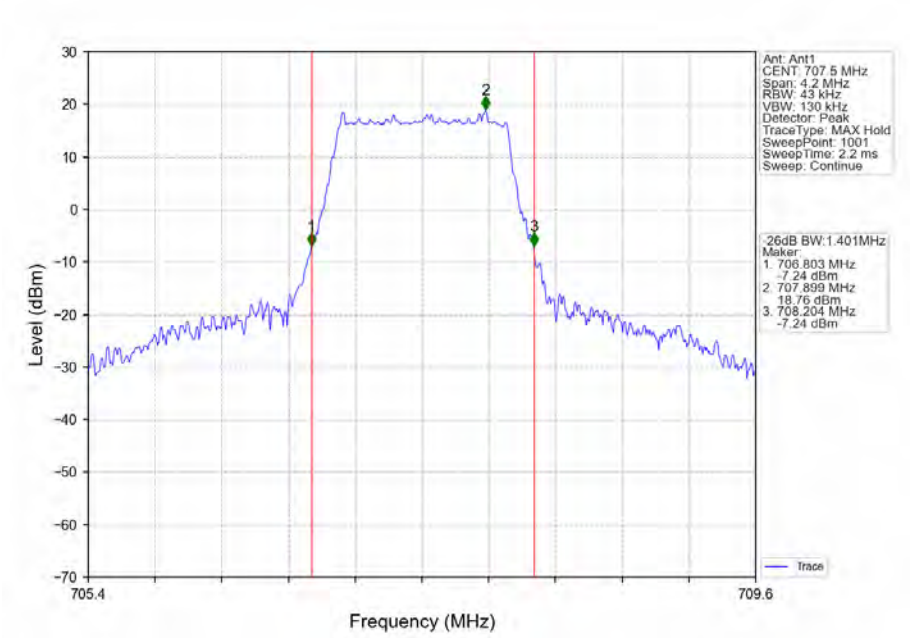
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



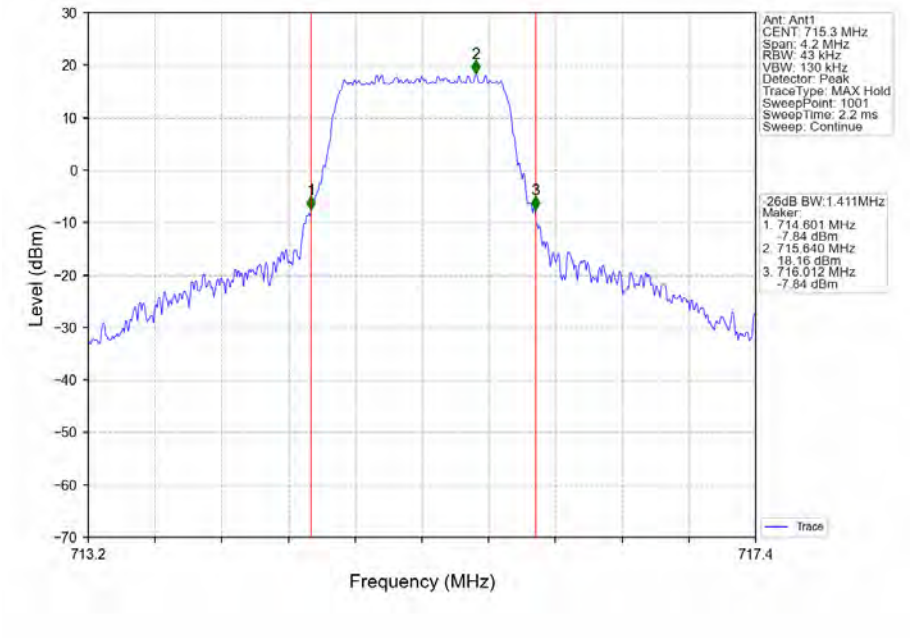
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



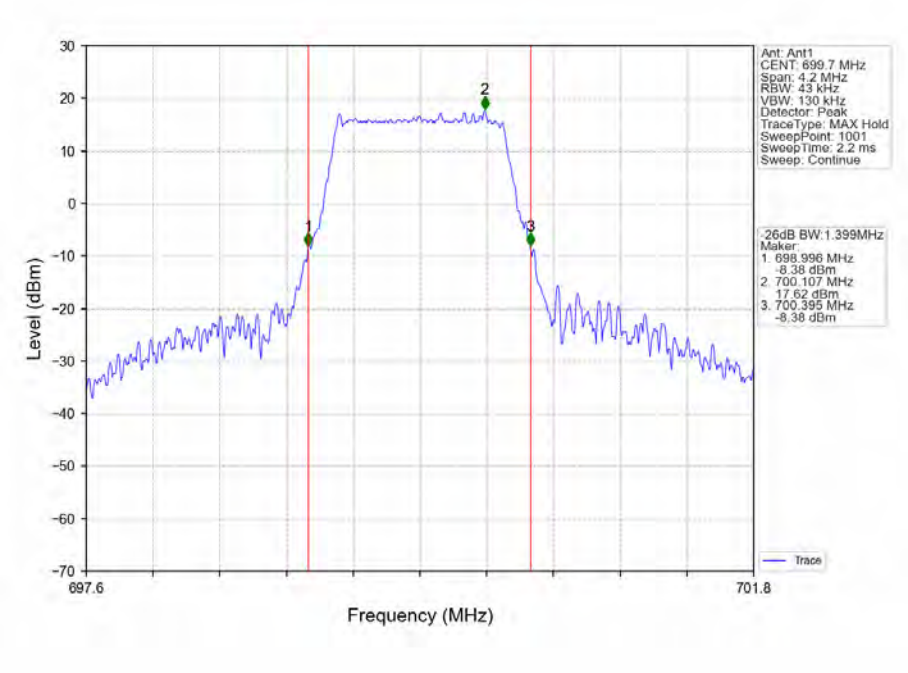
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



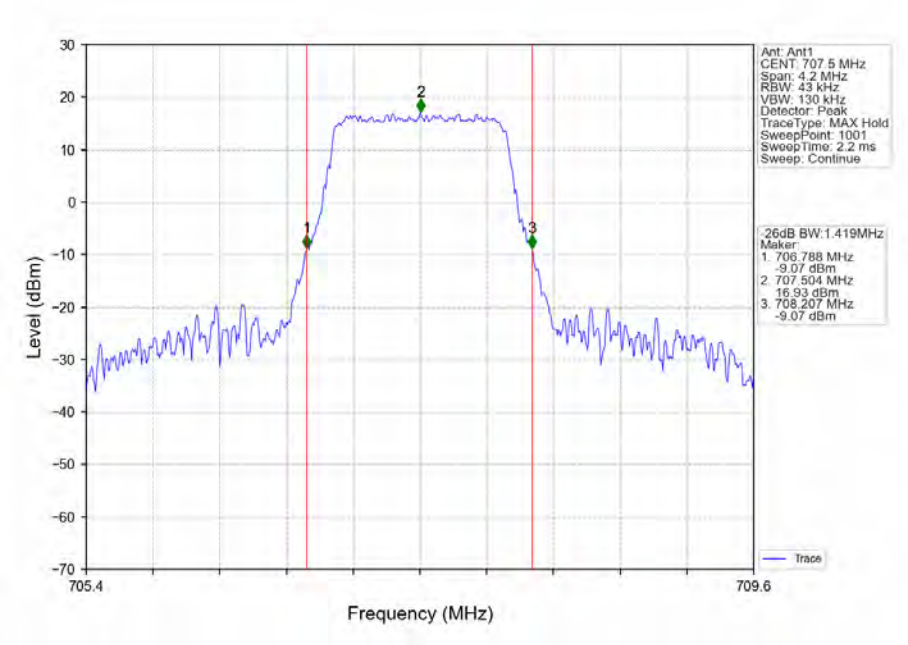
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



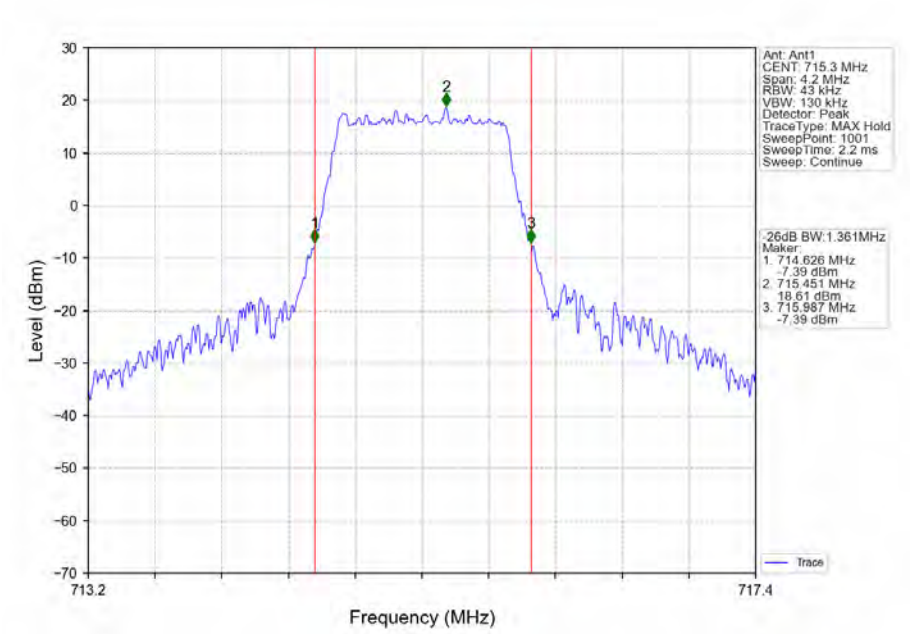
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



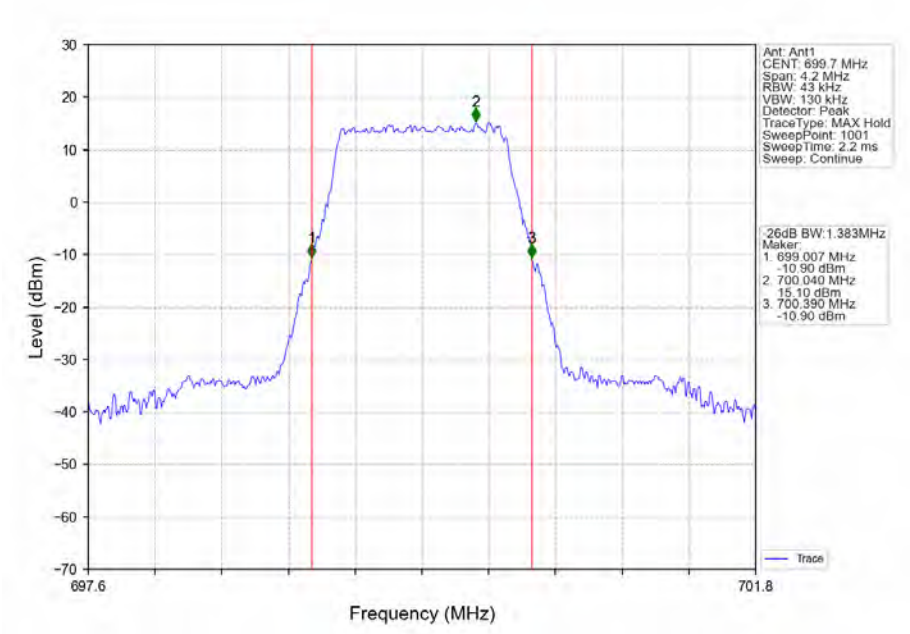
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



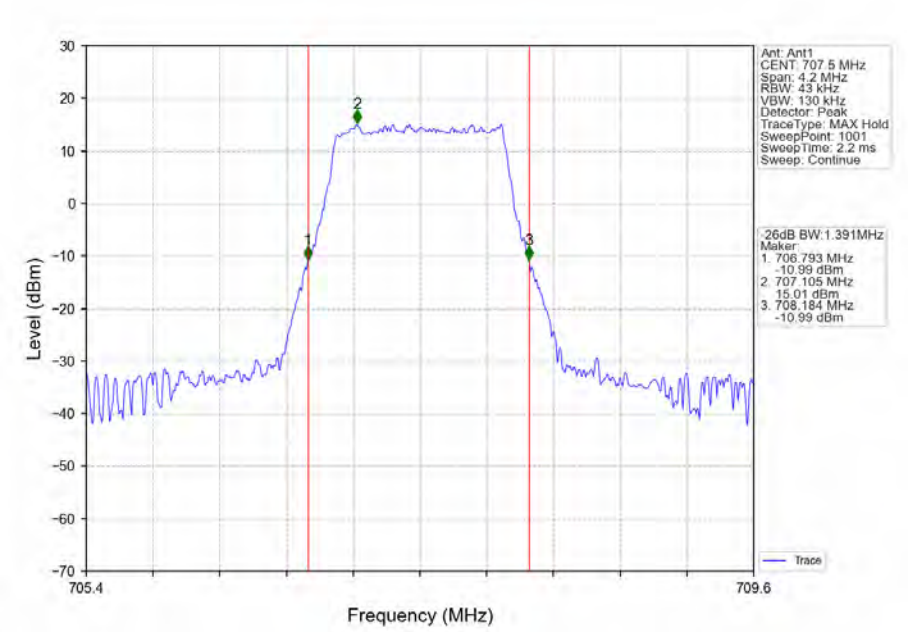
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



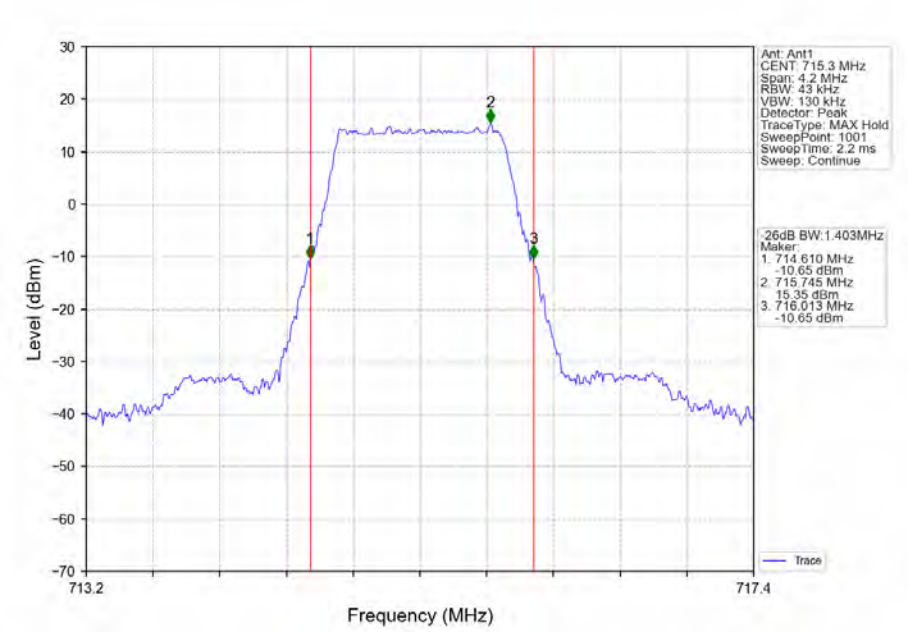
Band12_1.4MHz_256QAM_LCH_699.7MHz_RB_6_0_NTNV



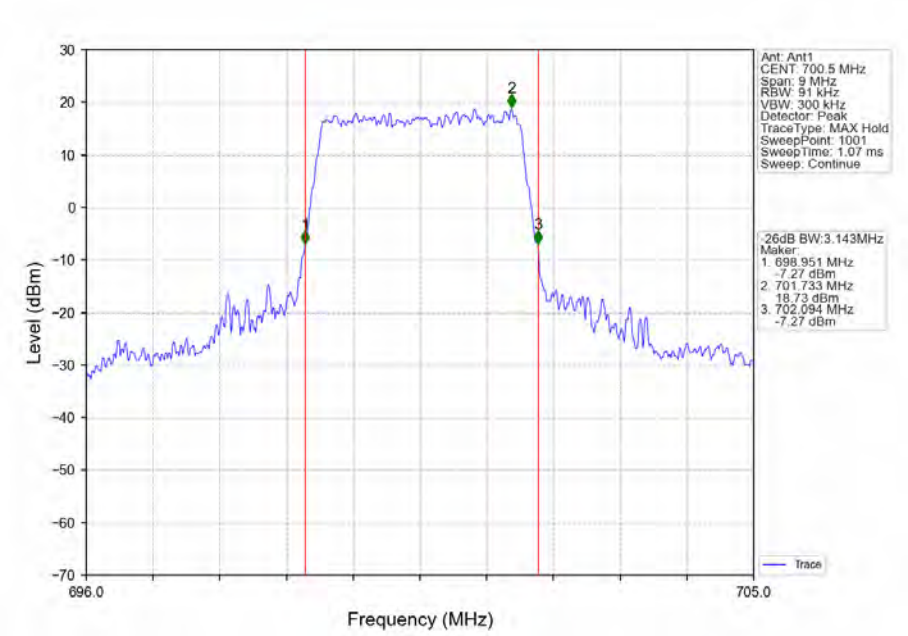
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



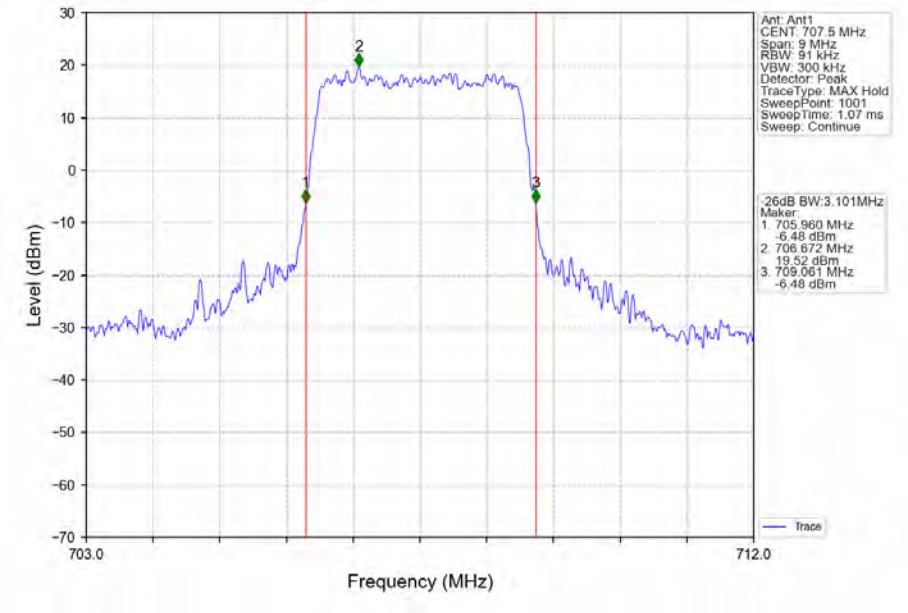
Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV

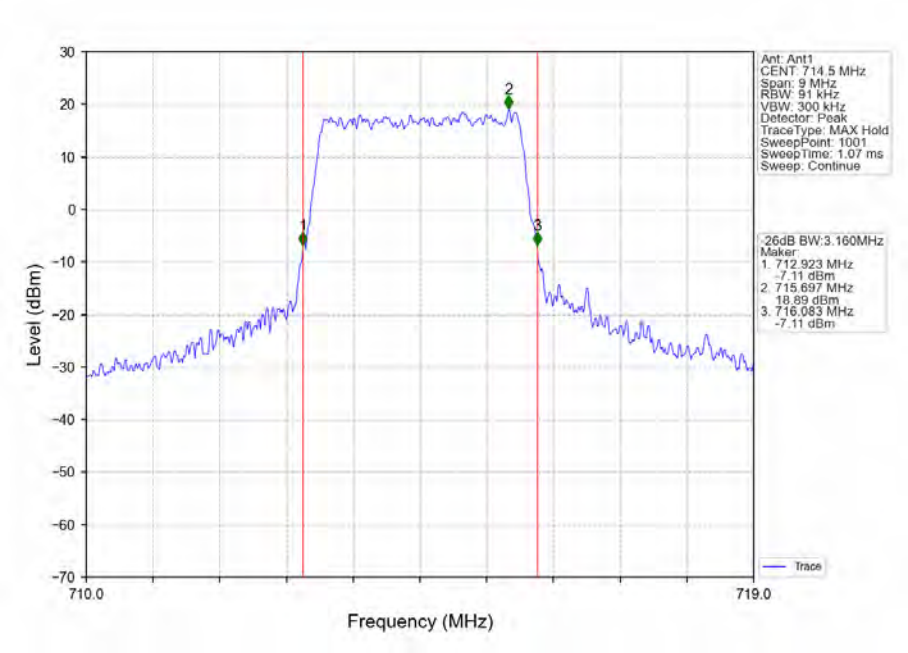


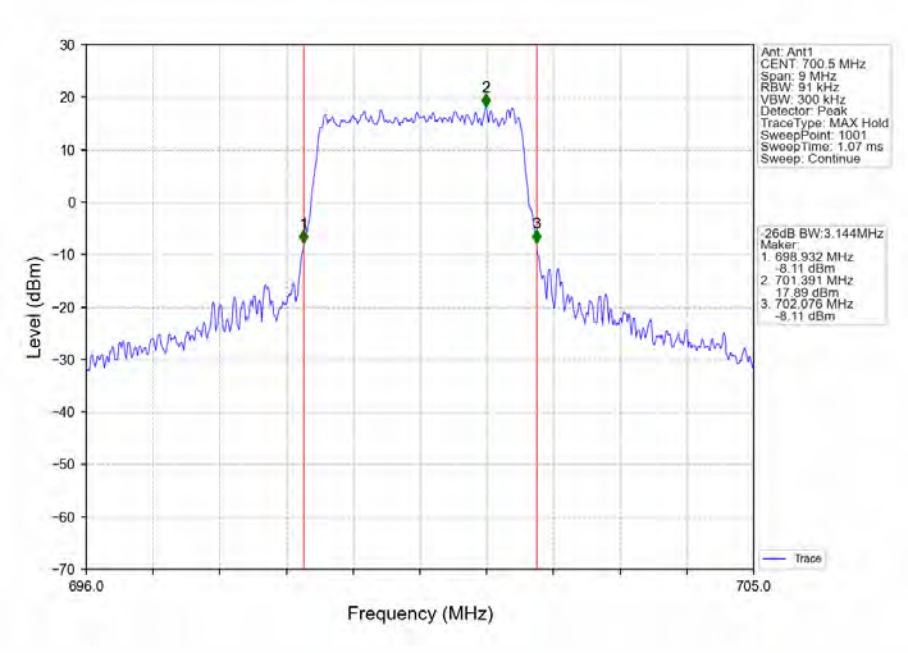
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

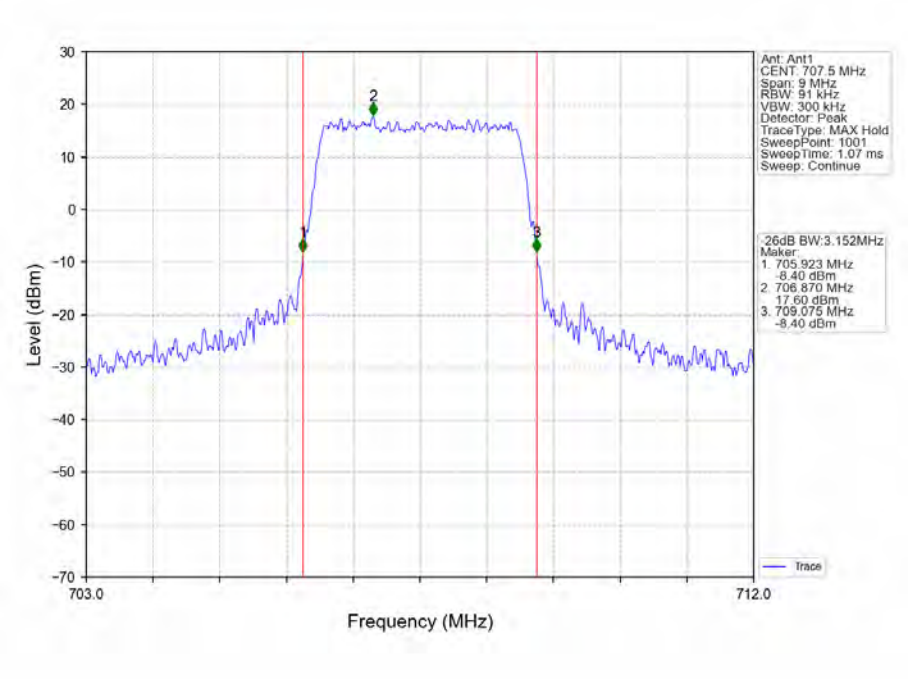


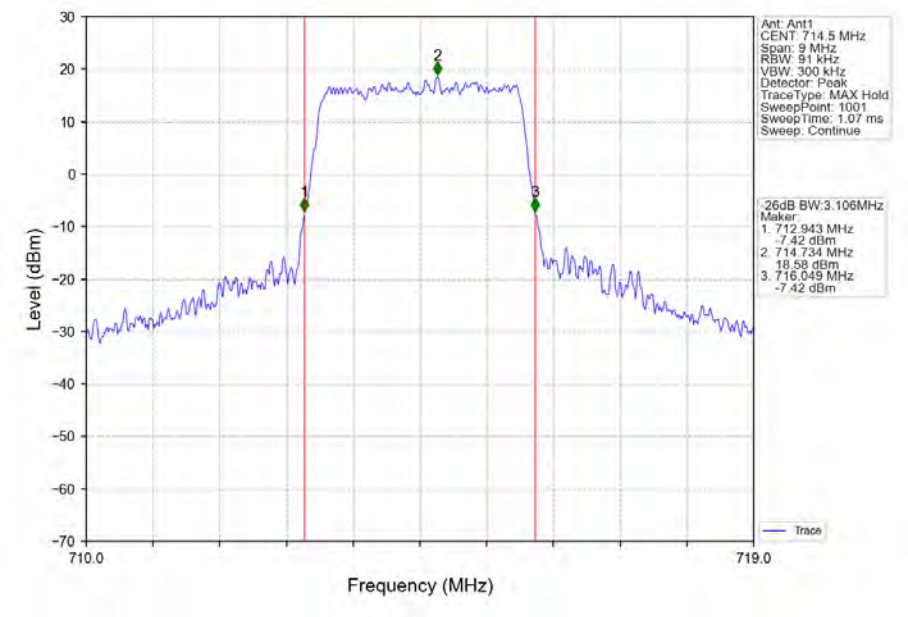
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



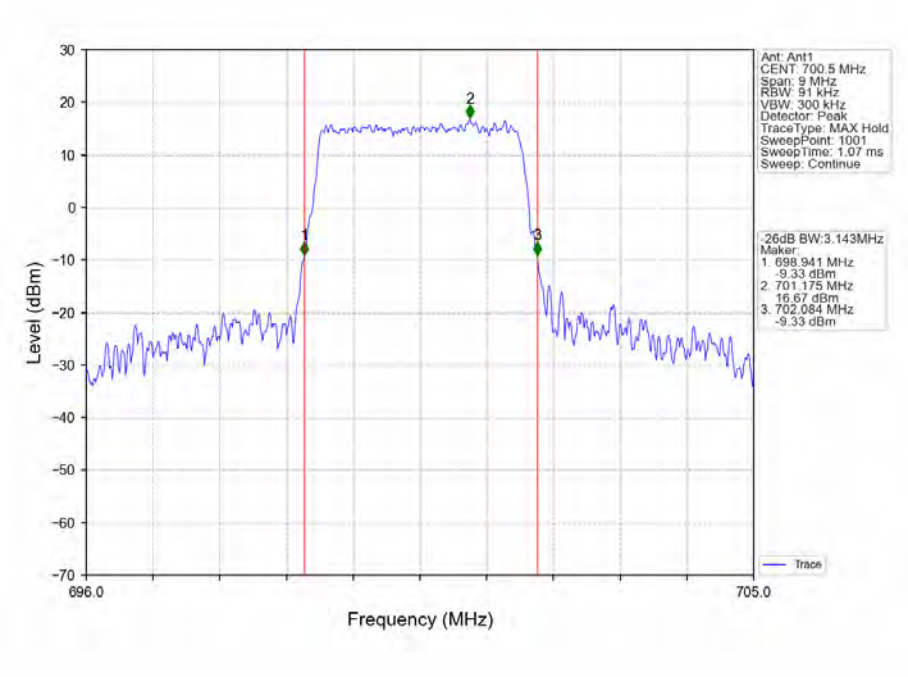
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV


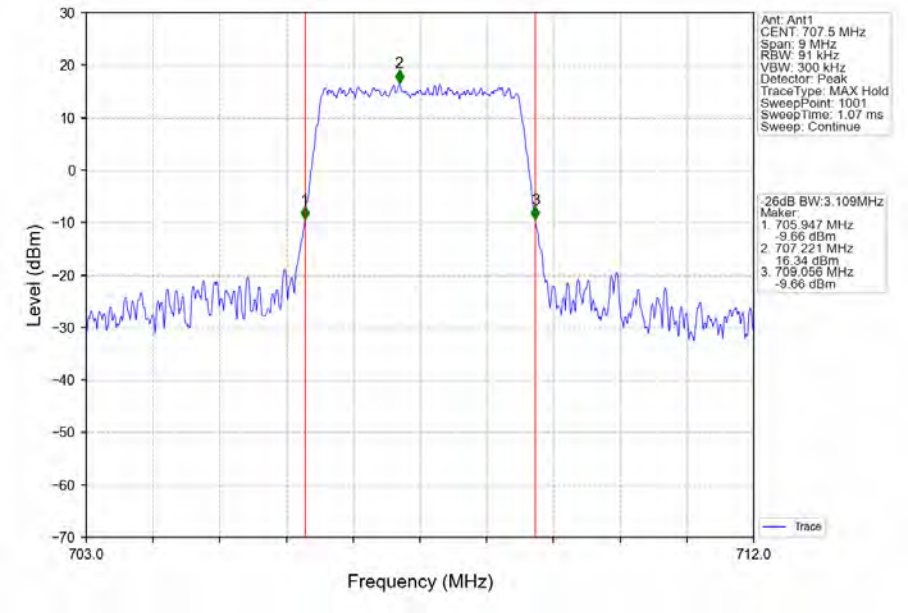
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV


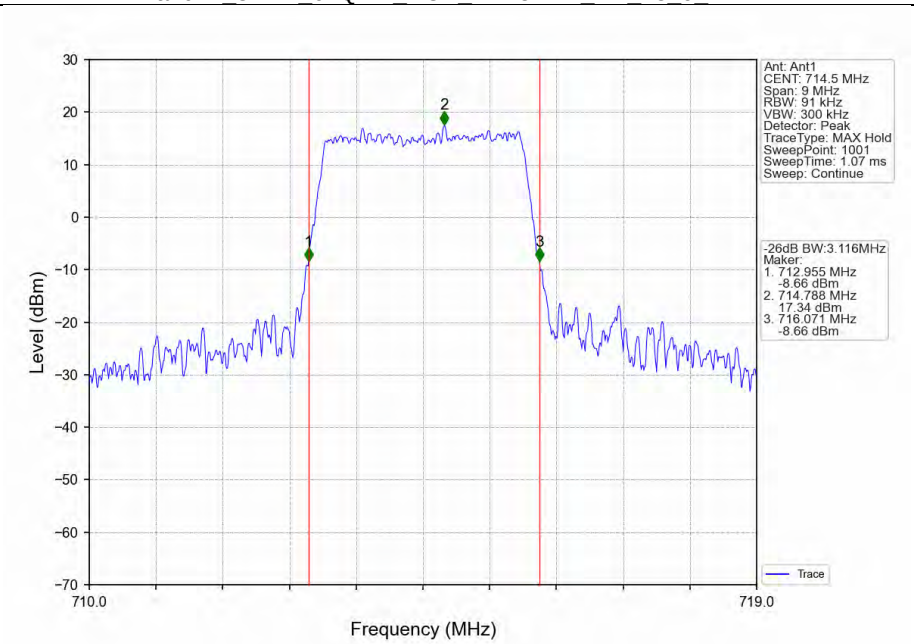
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



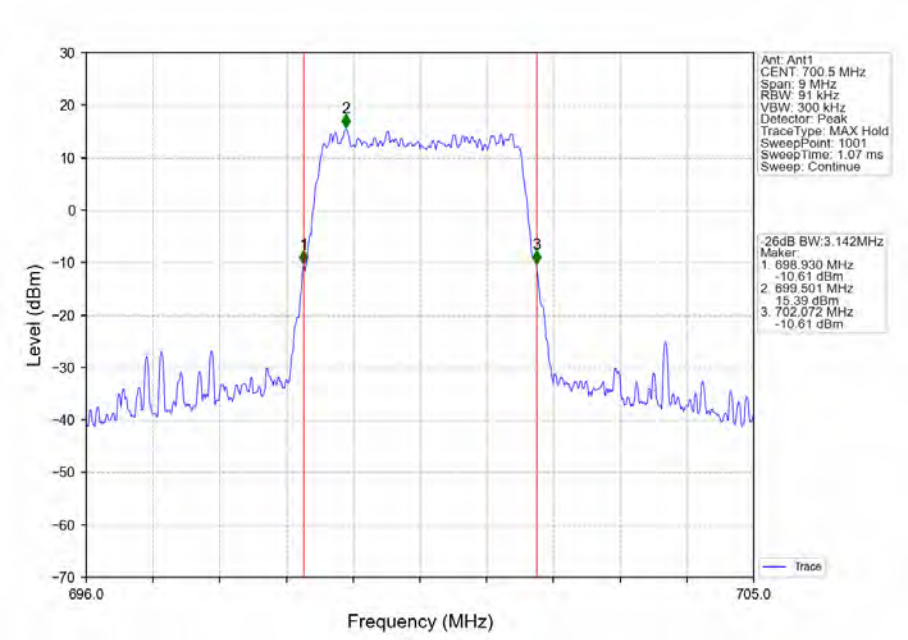
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



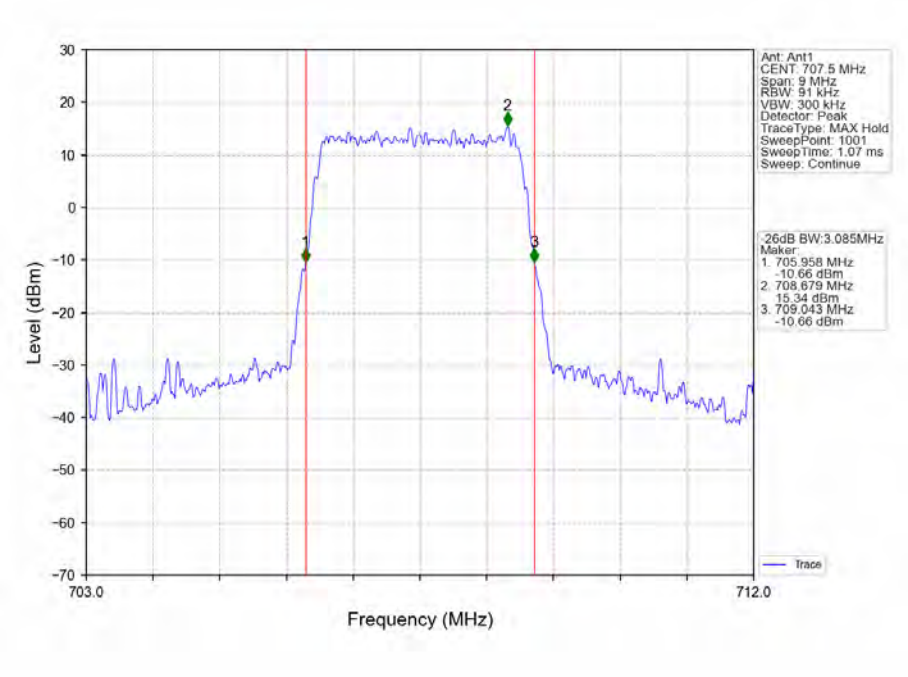
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



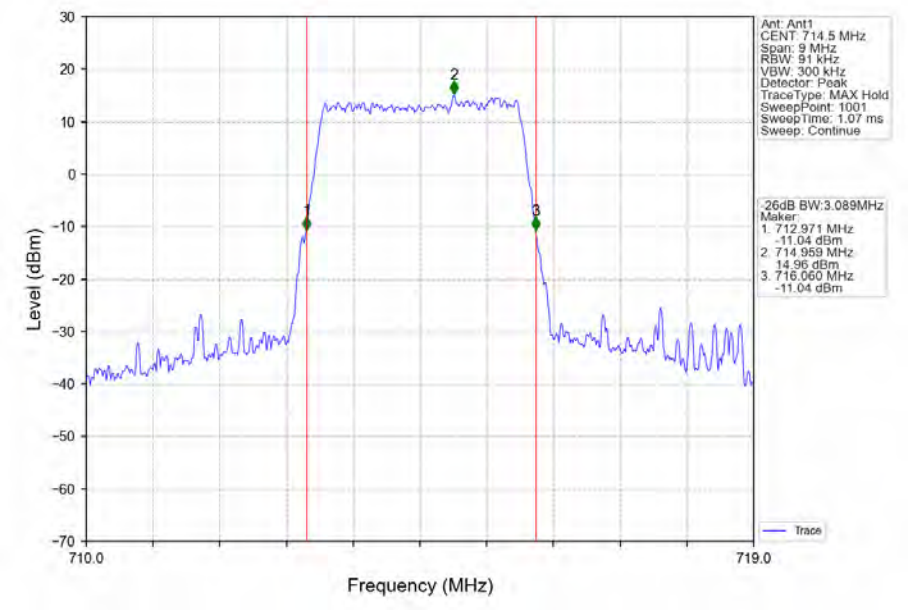
Band12_3MHz_256QAM_LCH_700.5MHz_RB_15_0_NTNV

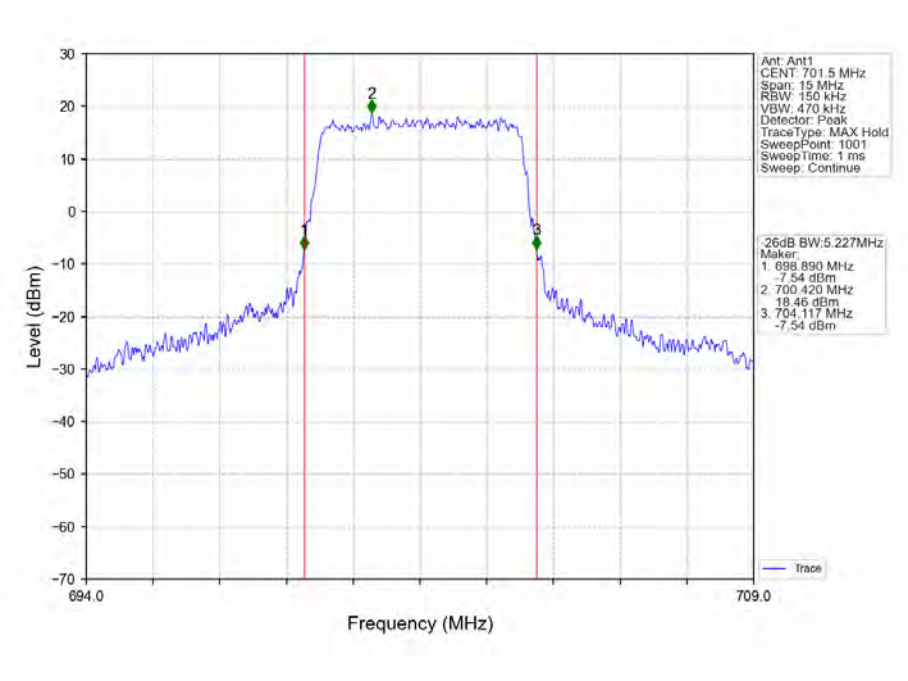


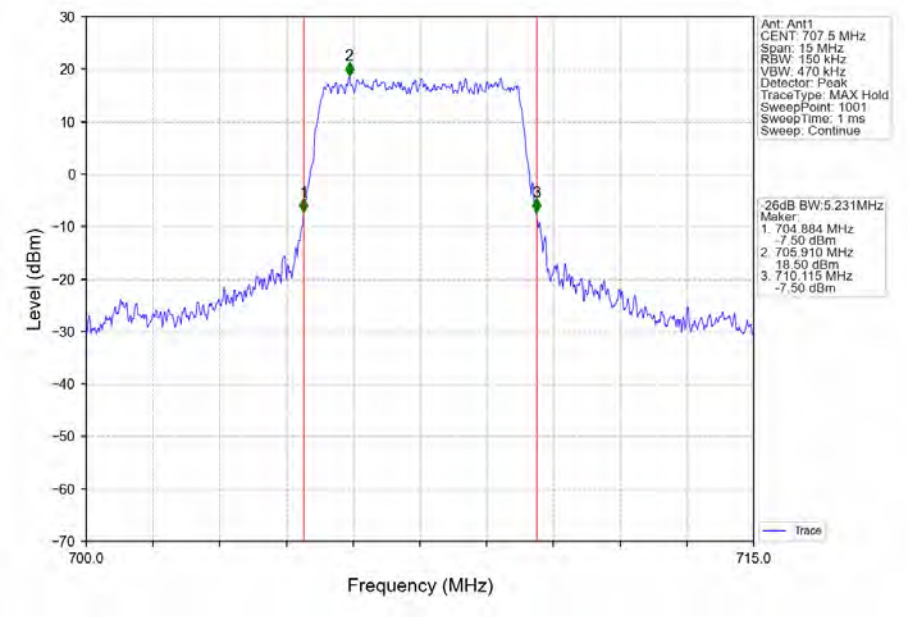
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



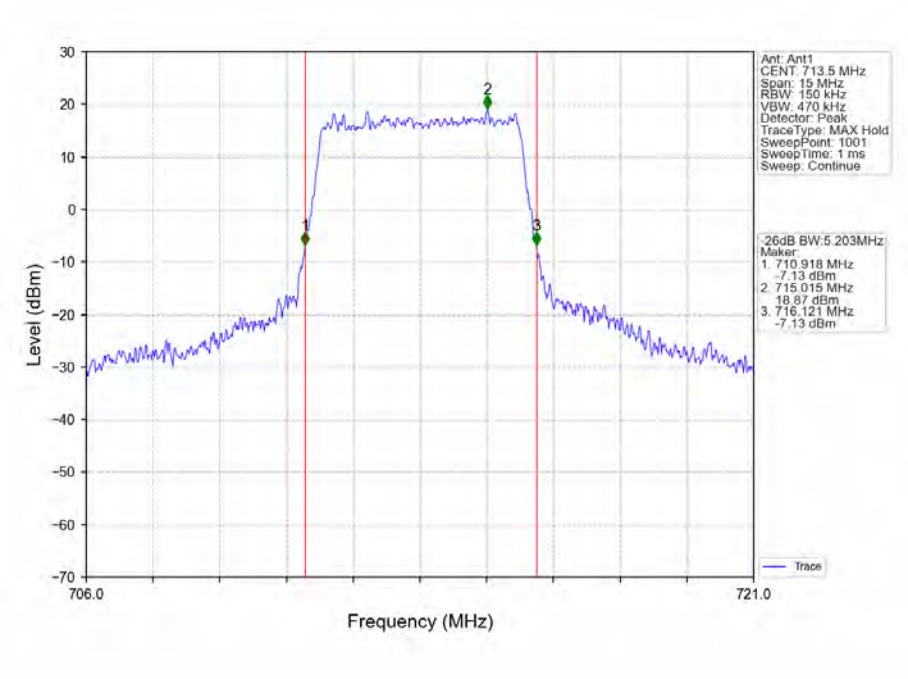
Band12_3MHz_256QAM_HCH_714.5MHz_RB_15_0_NTNV



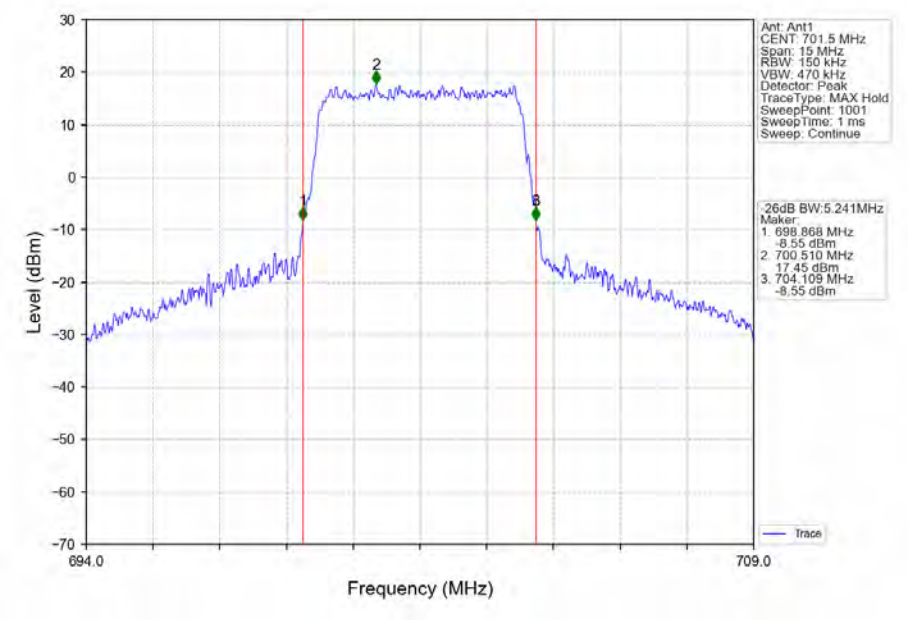
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV


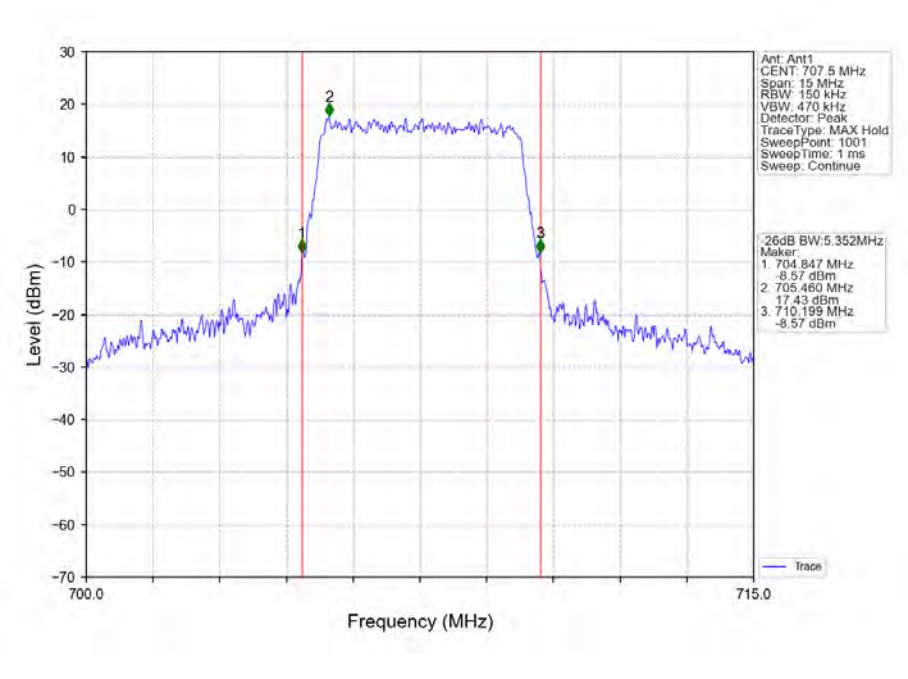
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



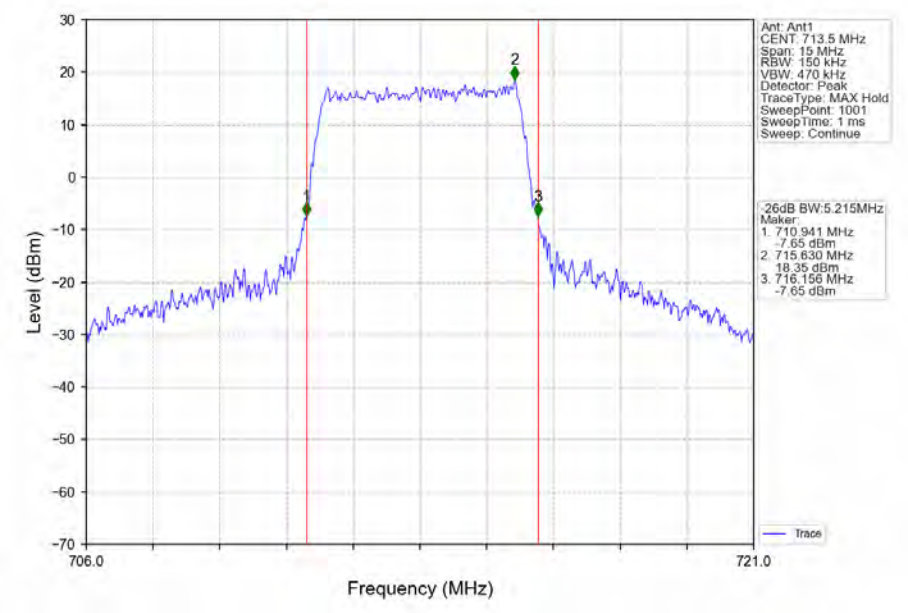
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



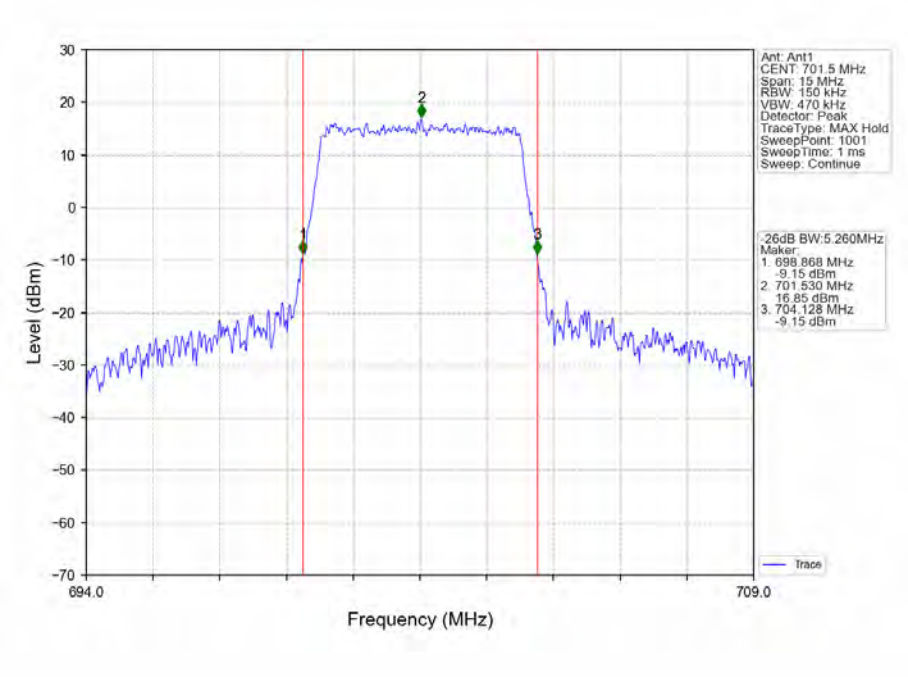
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



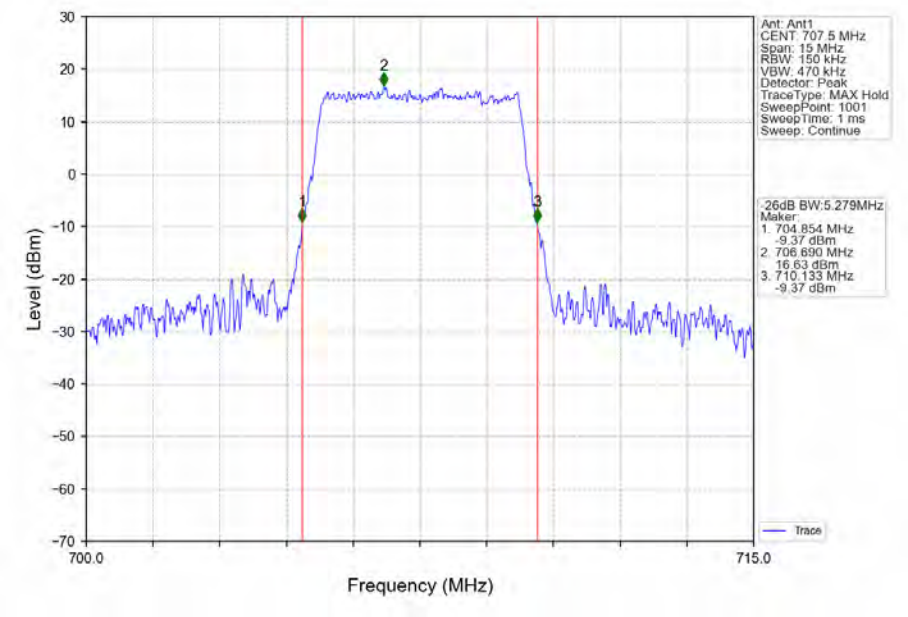
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



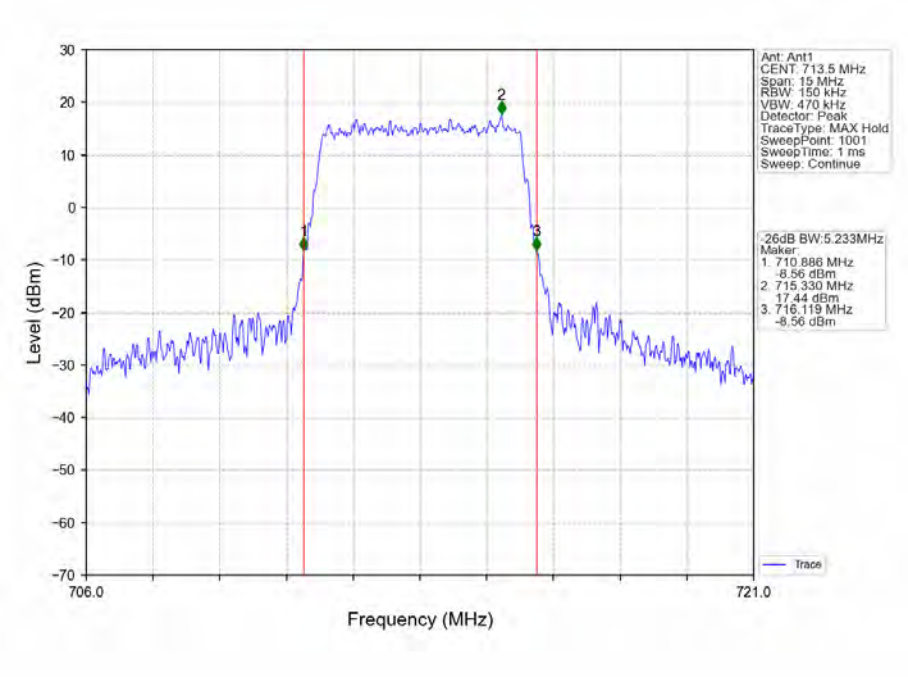
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



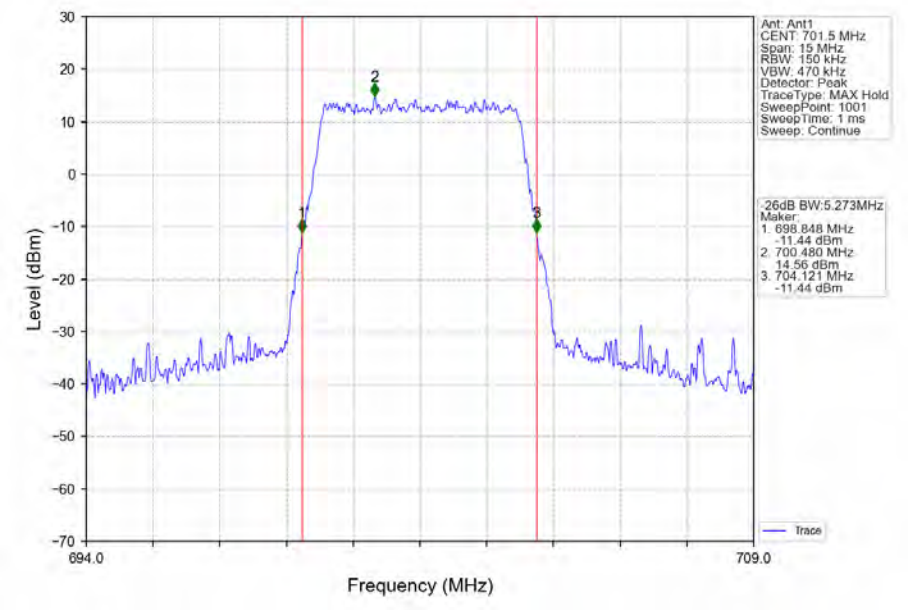
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



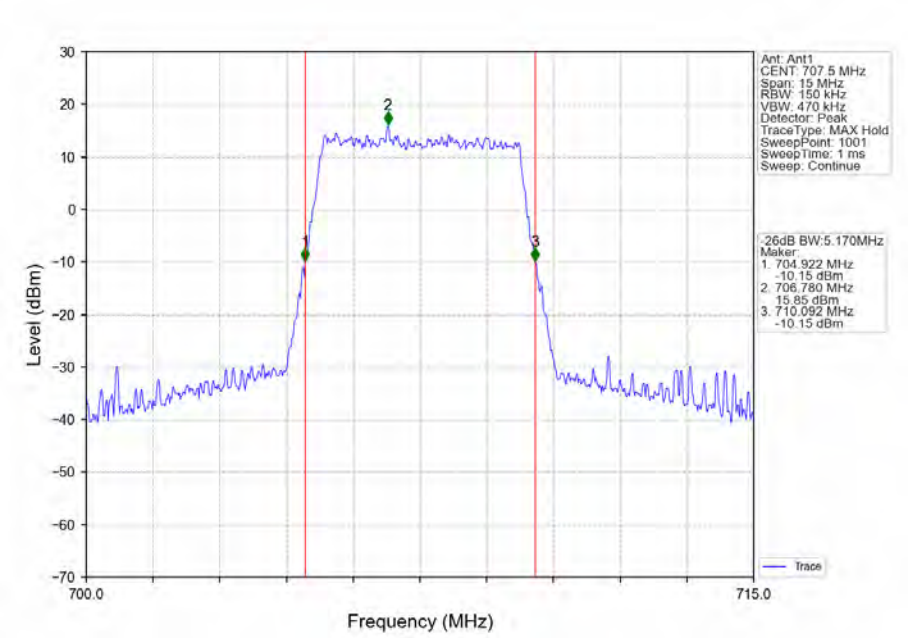
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



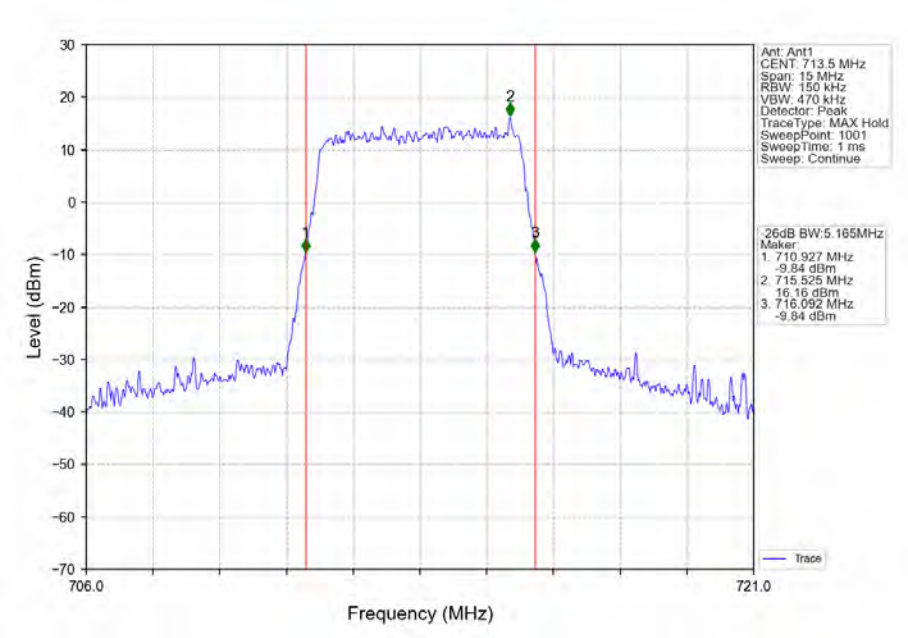
Band12_5MHz_256QAM_LCH_701.5MHz_RB_25_0_NTNV



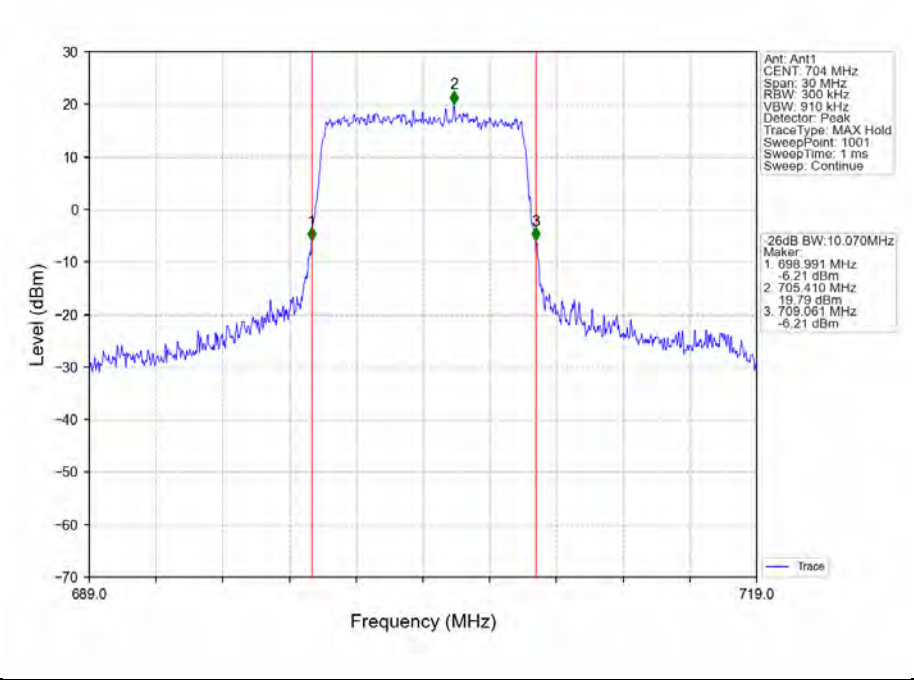
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



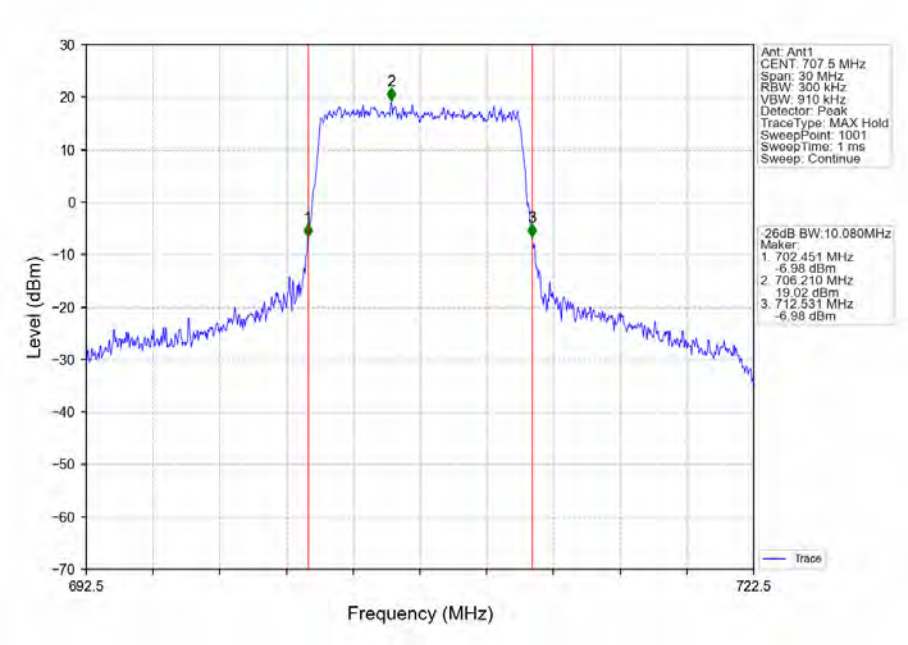
Band12_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



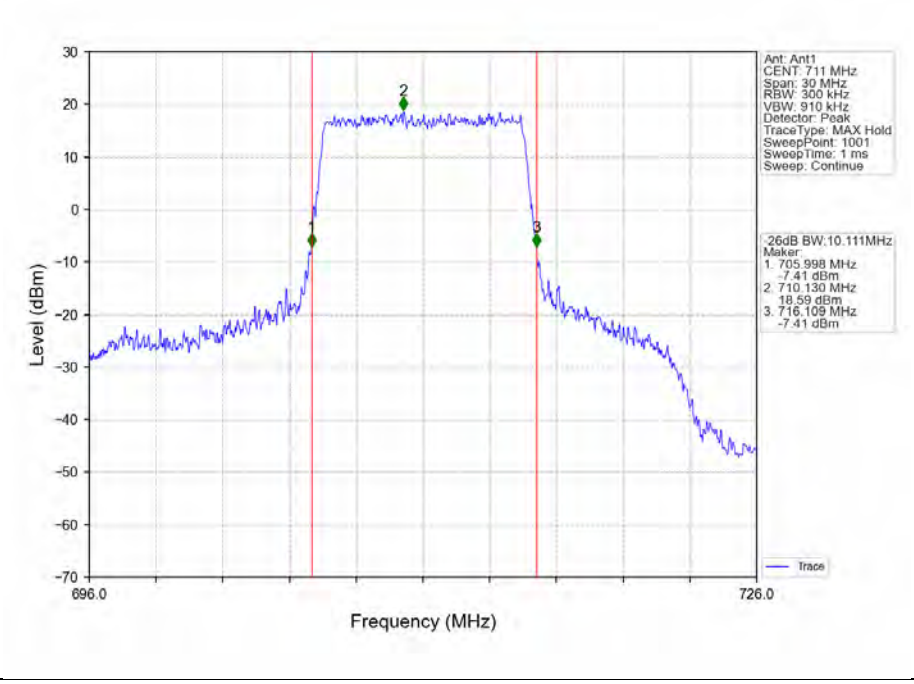
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



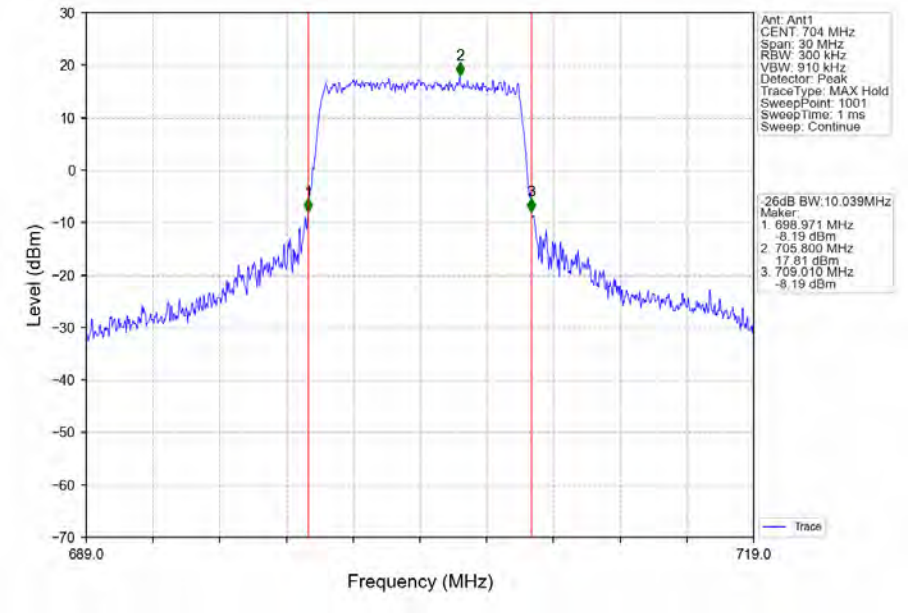
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



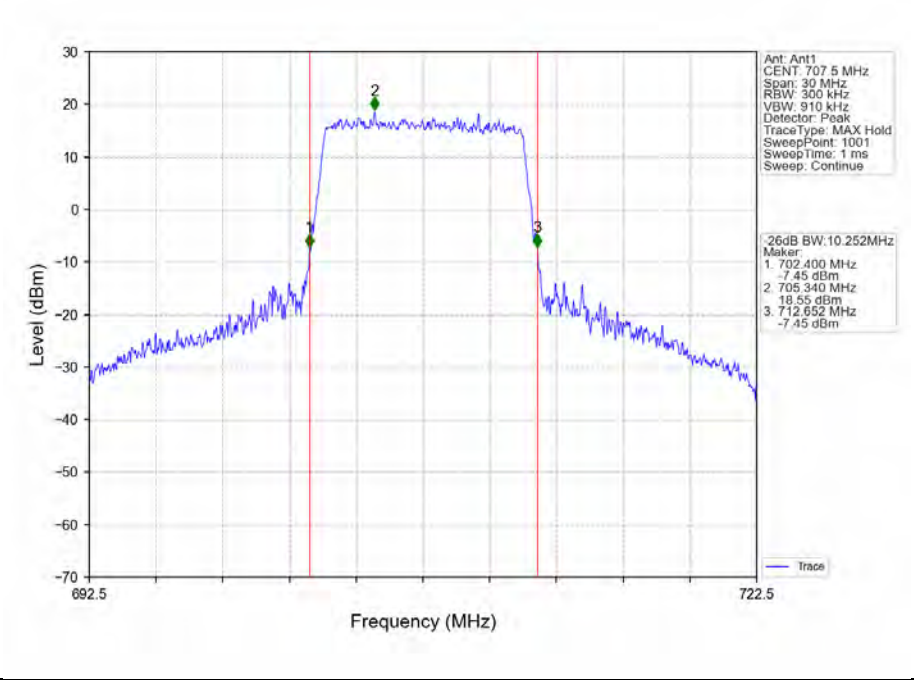
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



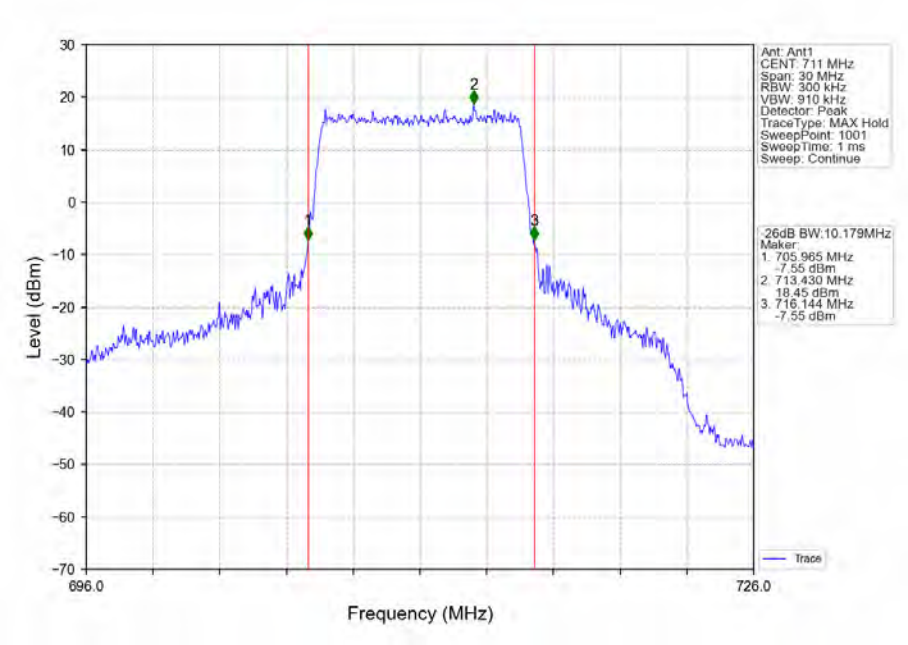
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



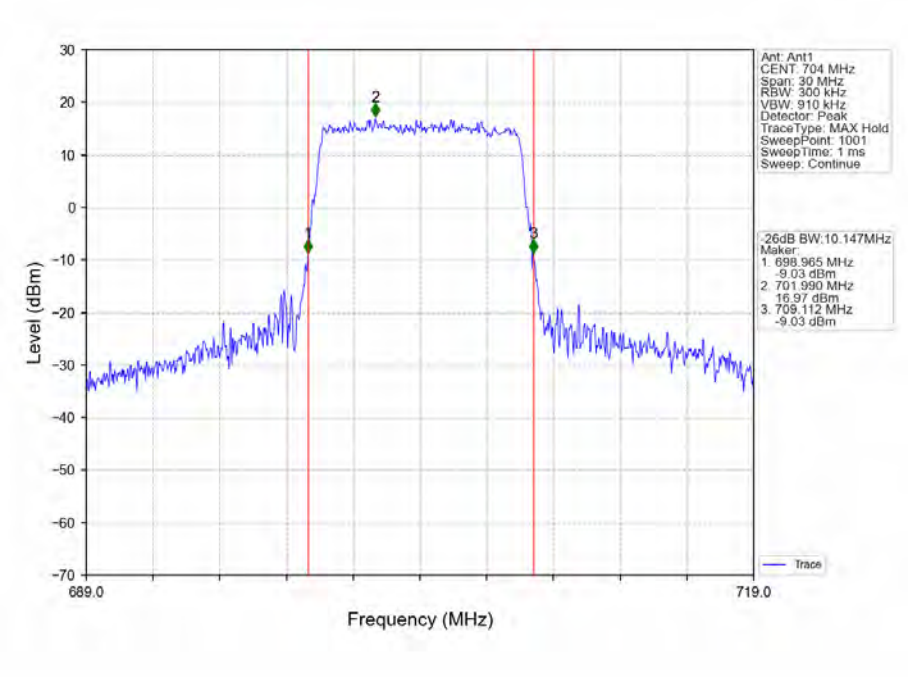
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



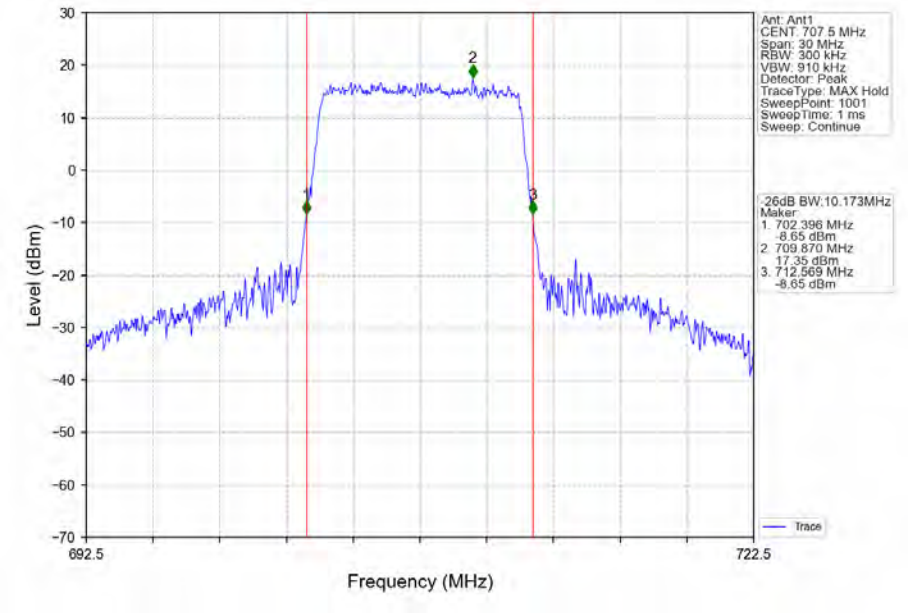
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



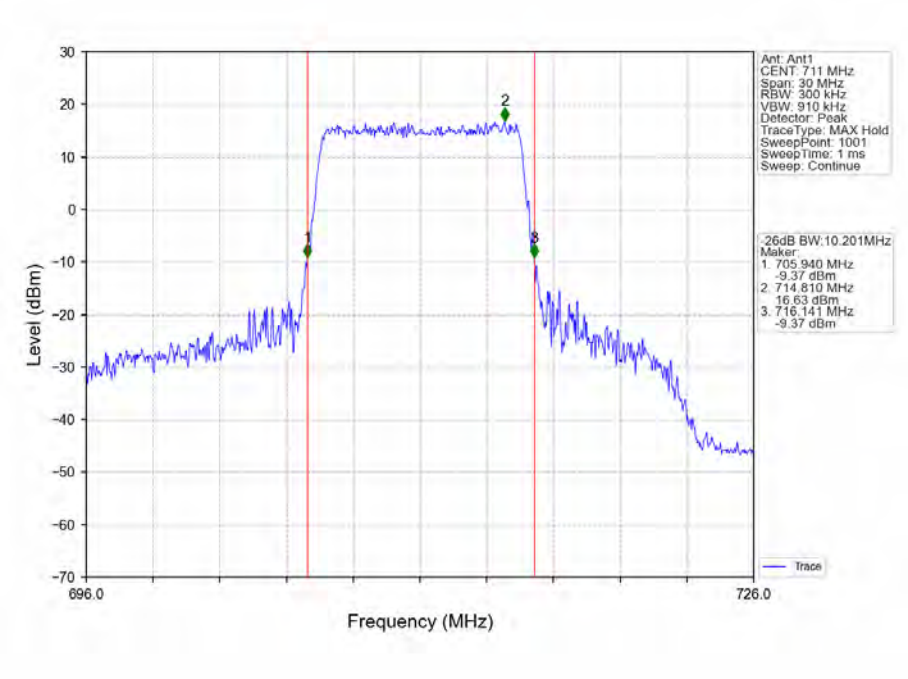
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



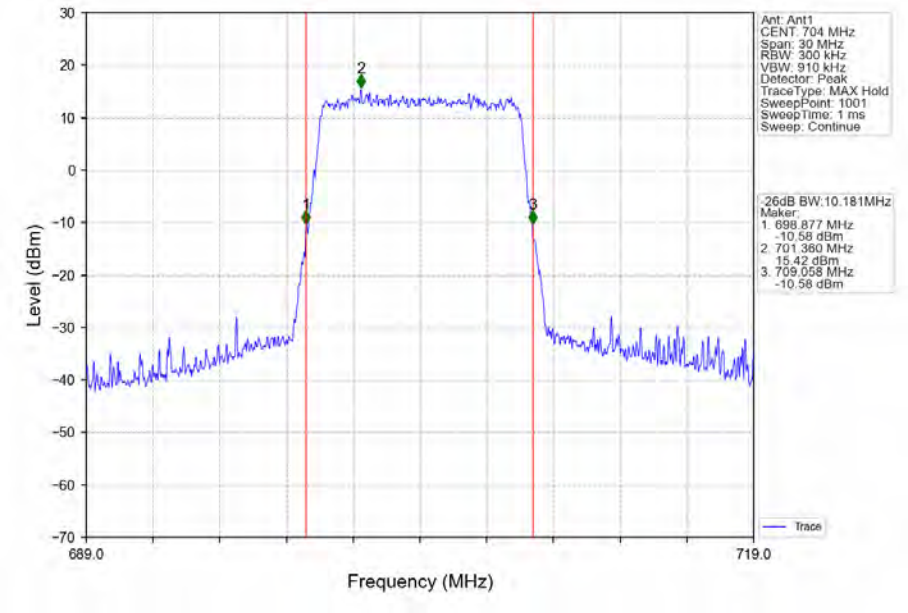
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



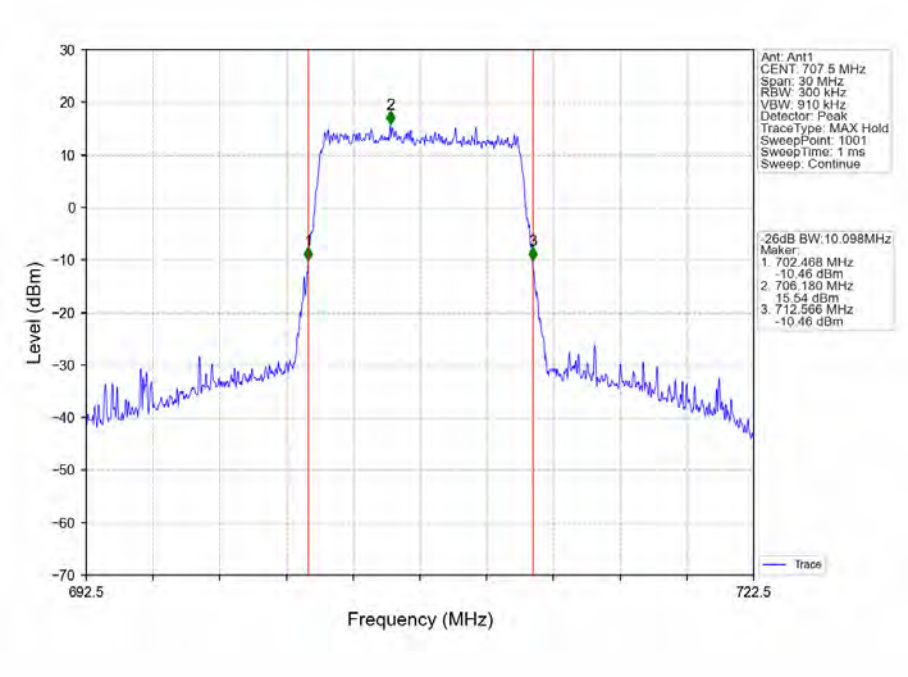
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



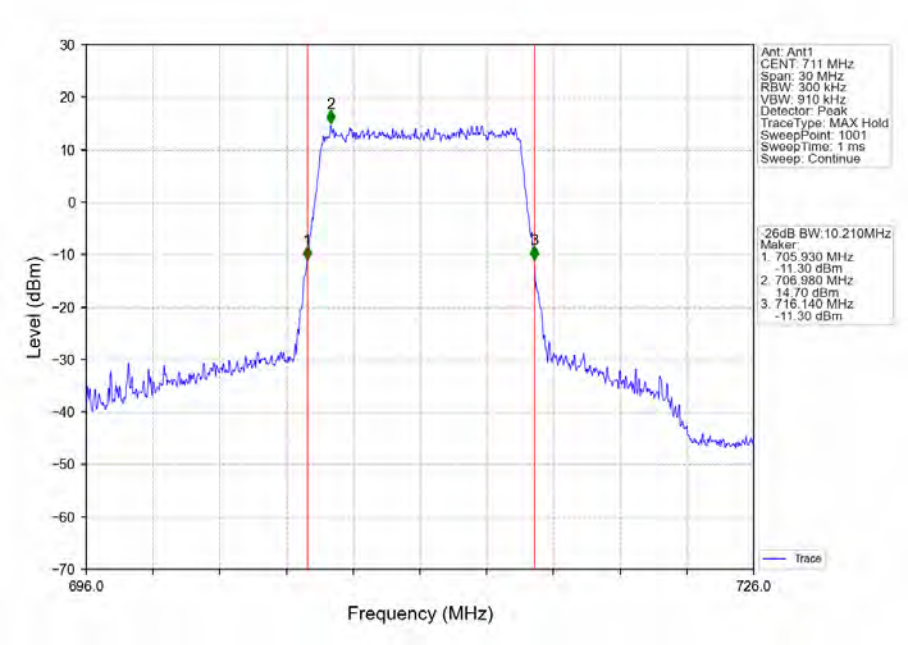
Band12_10MHz_256QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

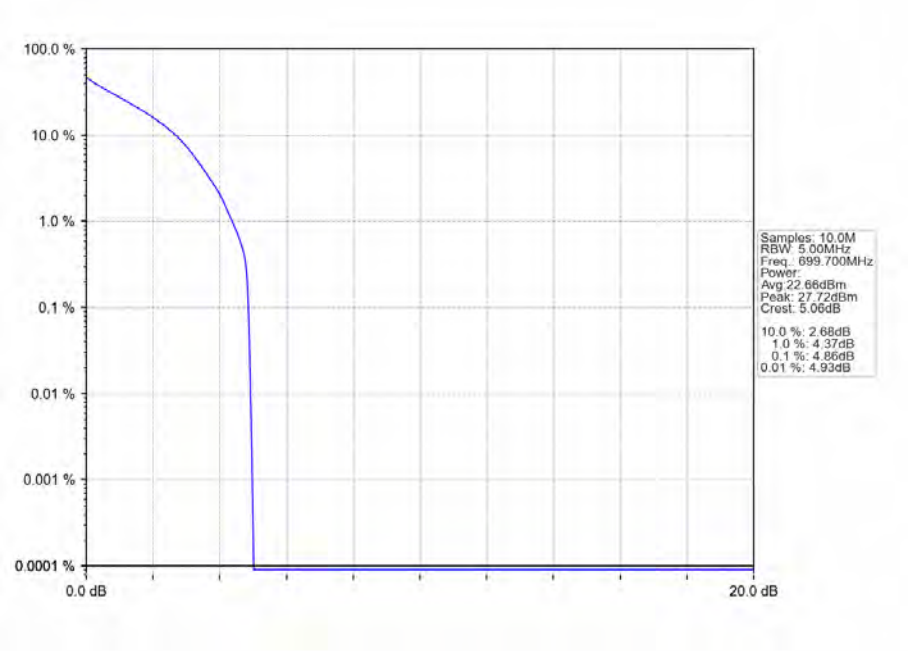
4.1 B12_1.4MHz

4.1.1 Test Result

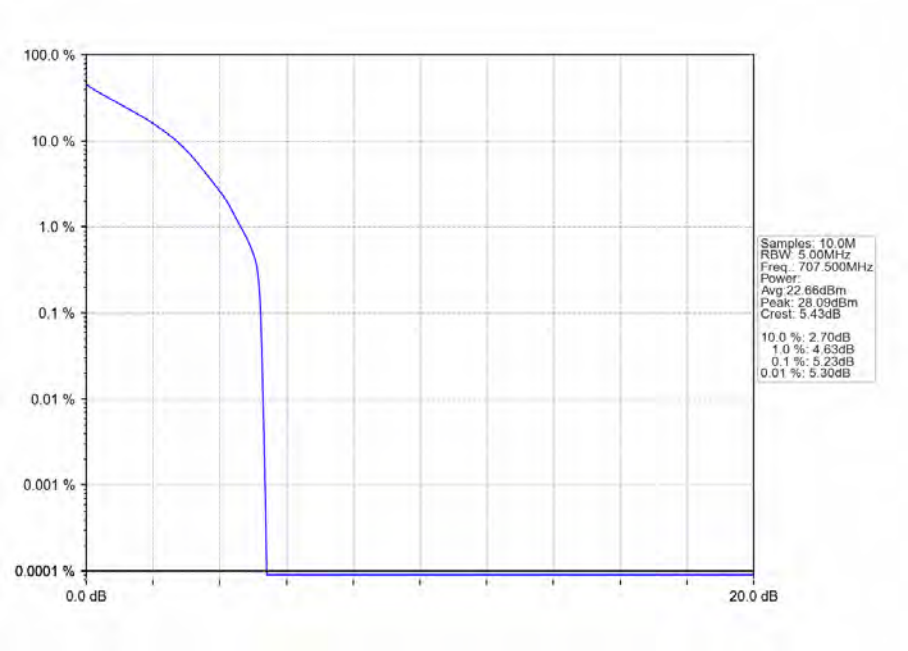
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.86	<=13	Pass
	707.5	6	0	5.23	<=13	Pass
	715.3	6	0	4.42	<=13	Pass
16QAM	699.7	6	0	5.81	<=13	Pass
	707.5	6	0	6.16	<=13	Pass
	715.3	6	0	5.40	<=13	Pass
64QAM	699.7	6	0	6.45	<=13	Pass
	707.5	6	0	9.49	<=13	Pass
	715.3	6	0	8.22	<=13	Pass
256QAM	699.7	6	0	6.88	<=13	Pass
	707.5	6	0	6.91	<=13	Pass
	715.3	6	0	6.80	<=13	Pass

4.1.2 Test Graph

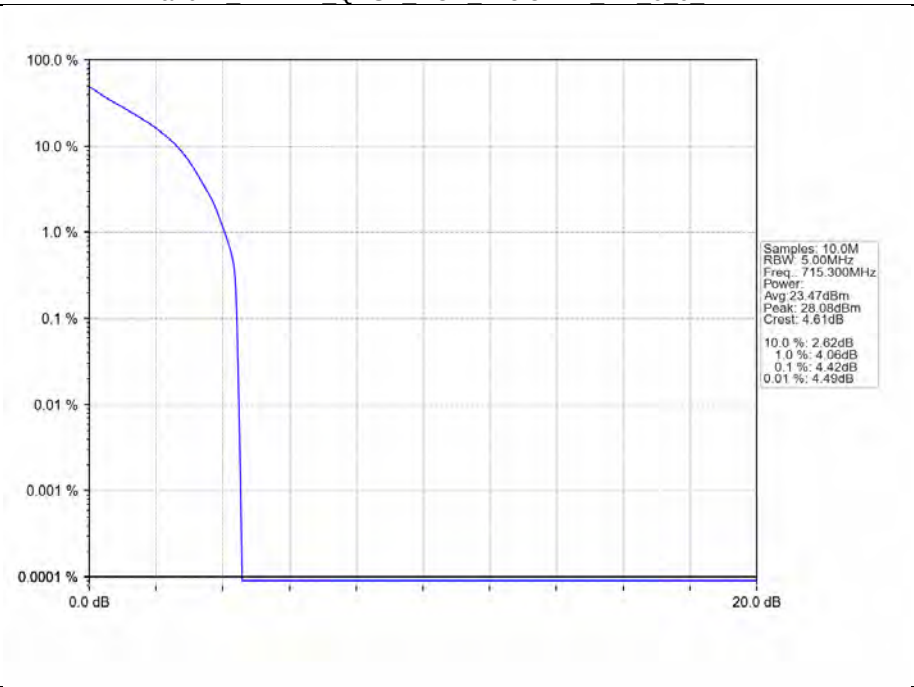
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



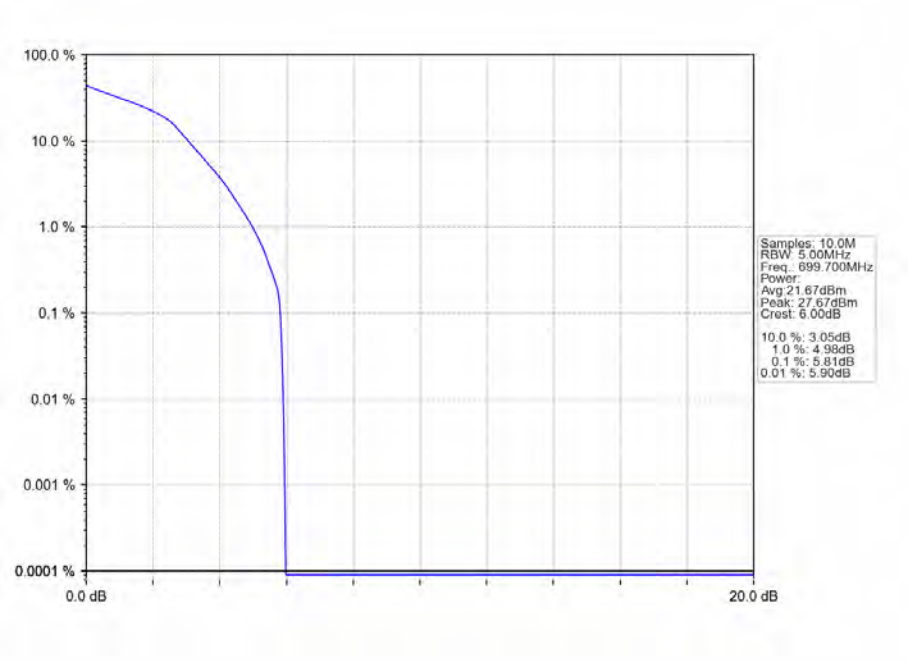
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



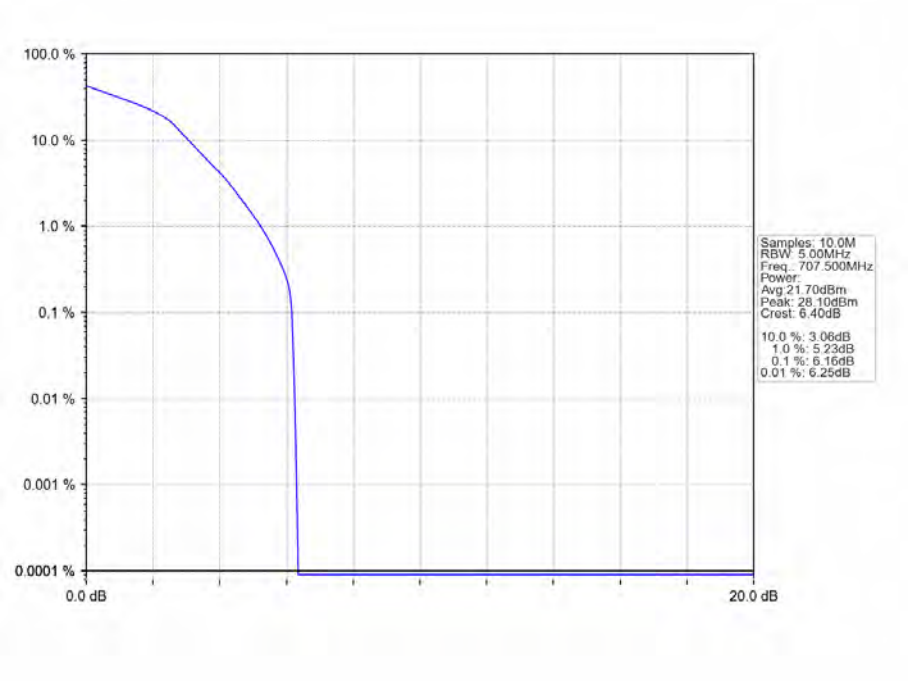
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



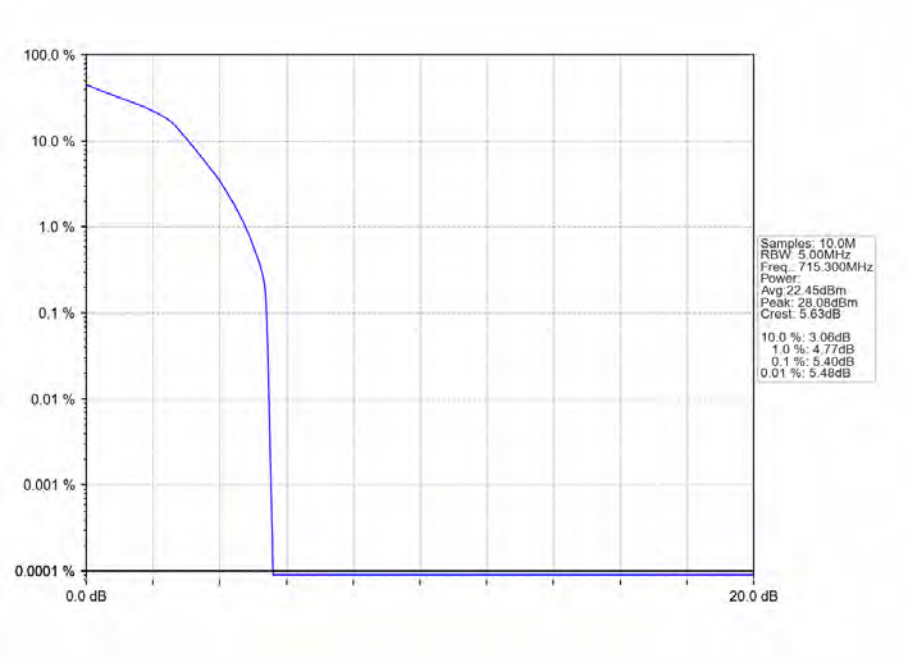
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



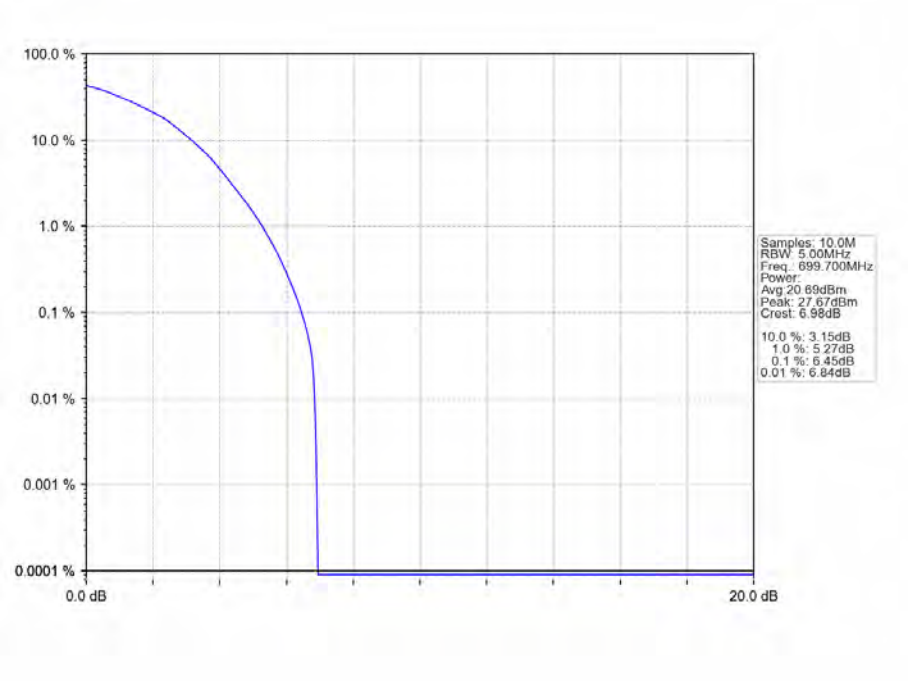
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



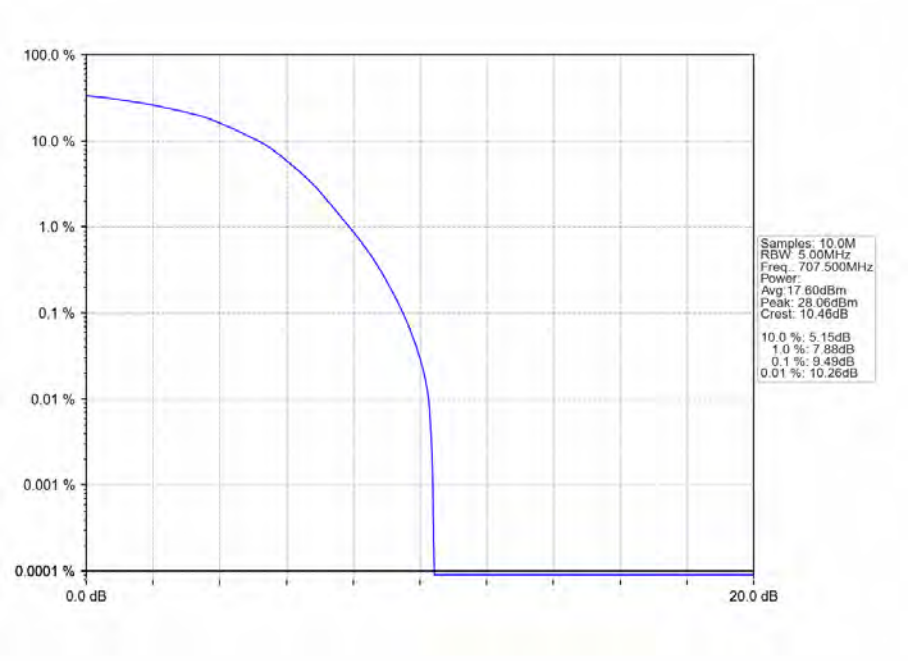
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



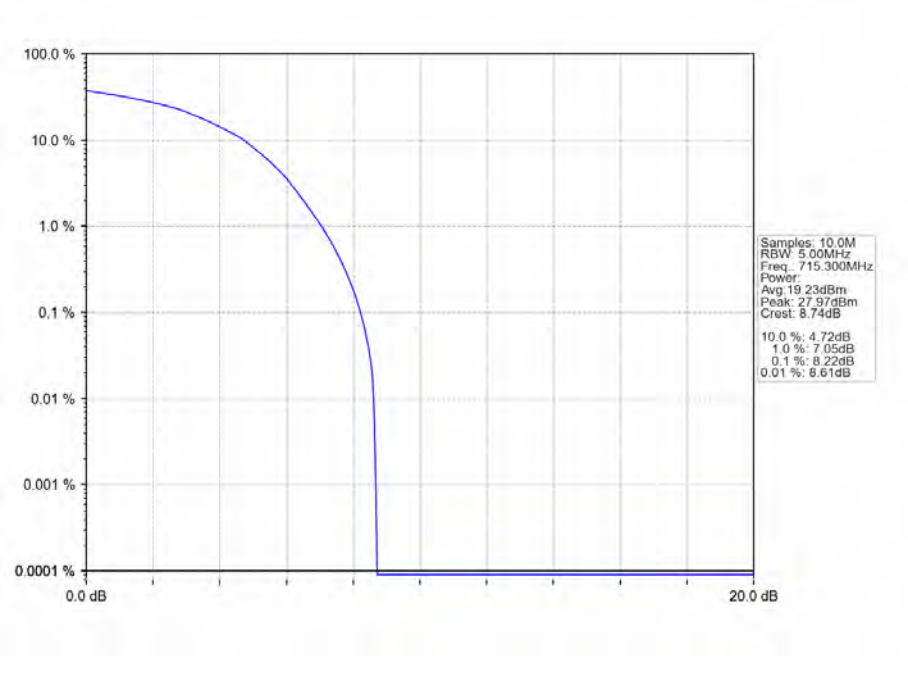
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



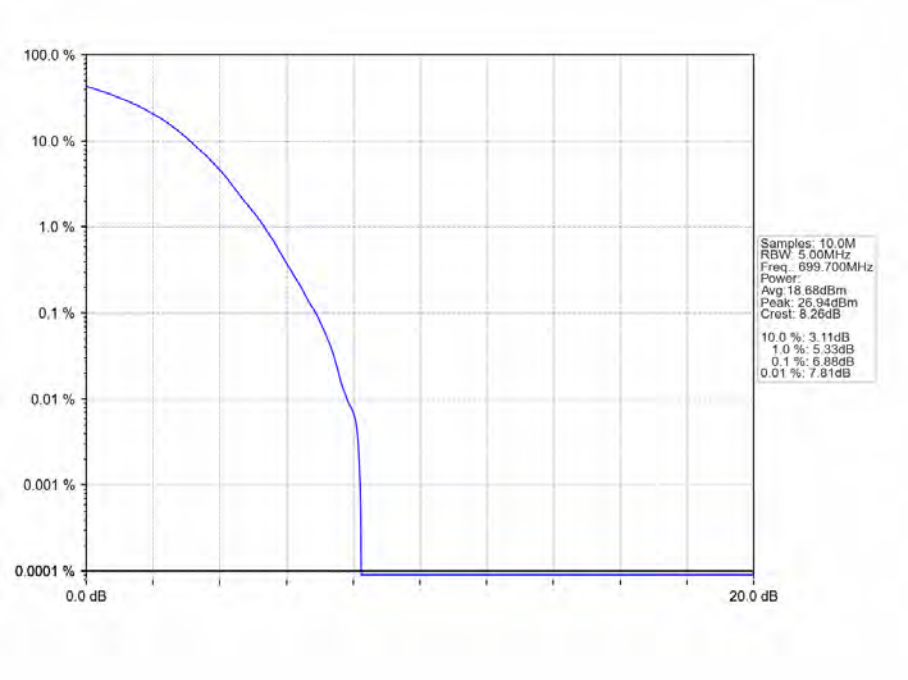
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



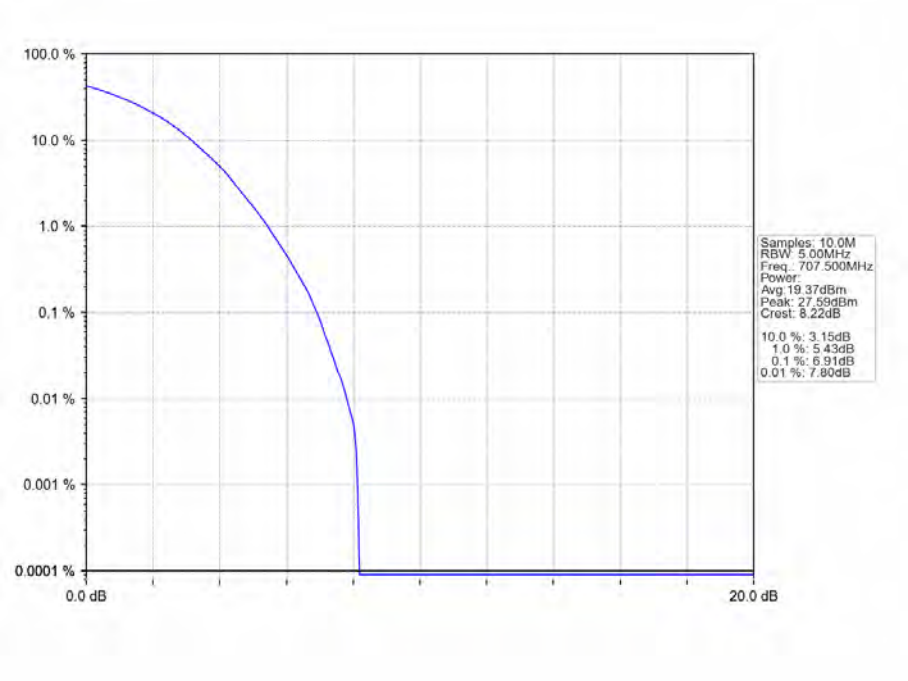
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



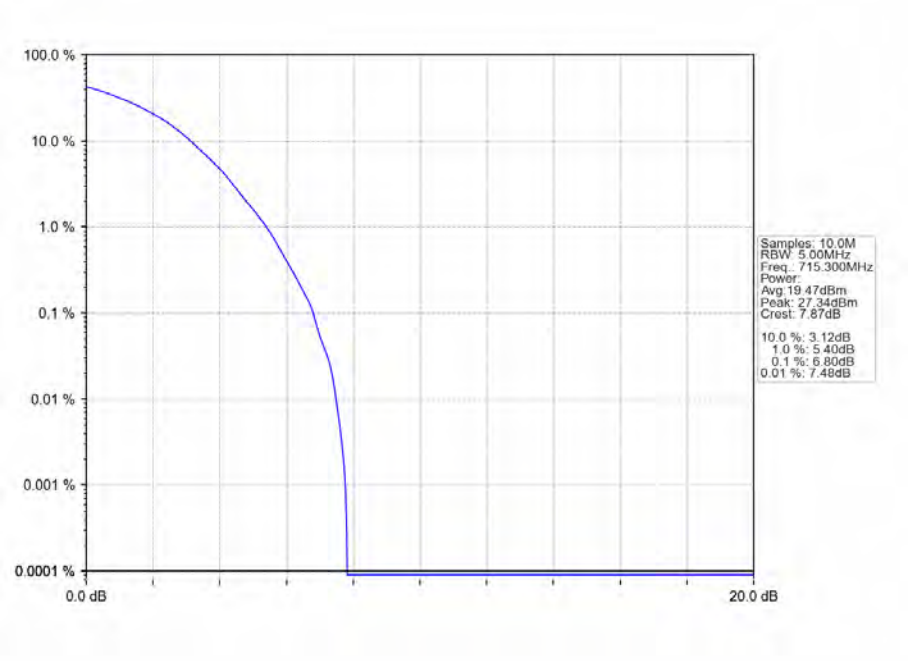
Band12_1.4MHz_256QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV



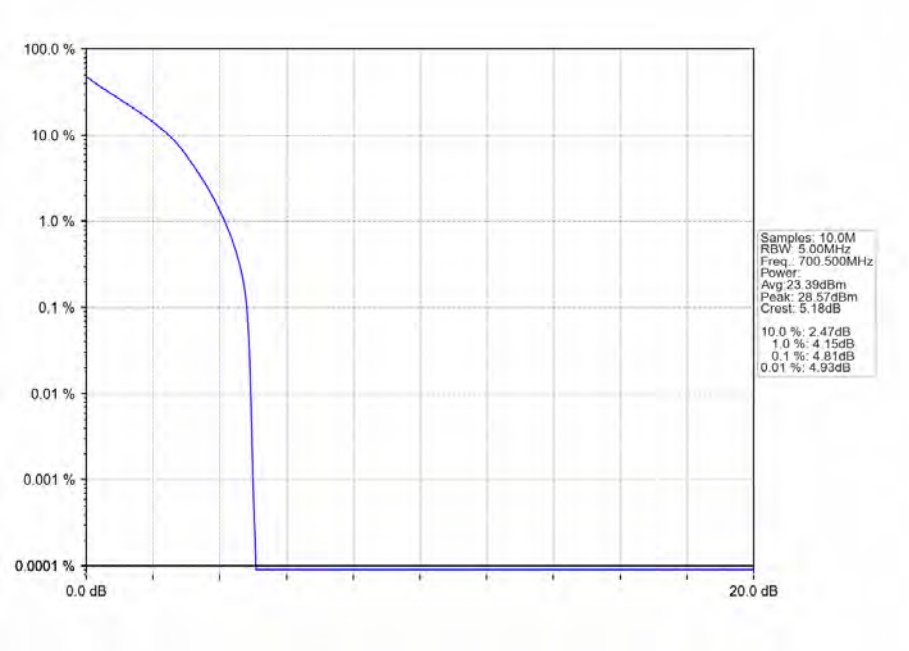
4.2 B12_3MHz

4.2.1 Test Result

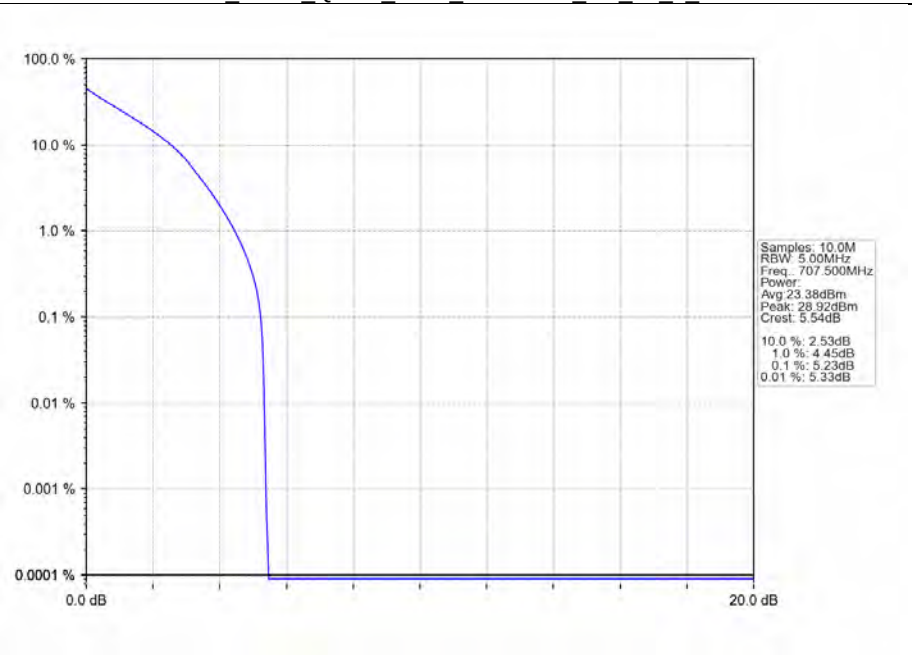
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.81	<=13	Pass
	707.5	15	0	5.23	<=13	Pass
	714.5	15	0	4.91	<=13	Pass
16QAM	700.5	15	0	5.69	<=13	Pass
	707.5	15	0	6.13	<=13	Pass
	714.5	15	0	5.81	<=13	Pass
64QAM	700.5	15	0	9.19	<=13	Pass
	707.5	15	0	6.62	<=13	Pass
	714.5	15	0	6.35	<=13	Pass
256QAM	700.5	15	0	6.77	<=13	Pass
	707.5	15	0	6.91	<=13	Pass
	714.5	15	0	6.81	<=13	Pass

4.2.2 Test Graph

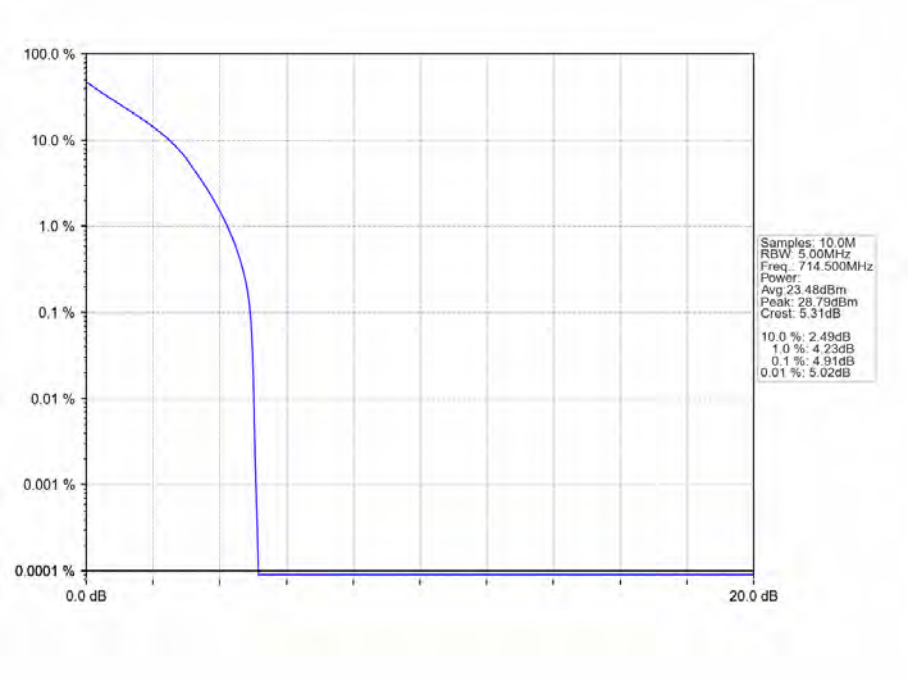
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



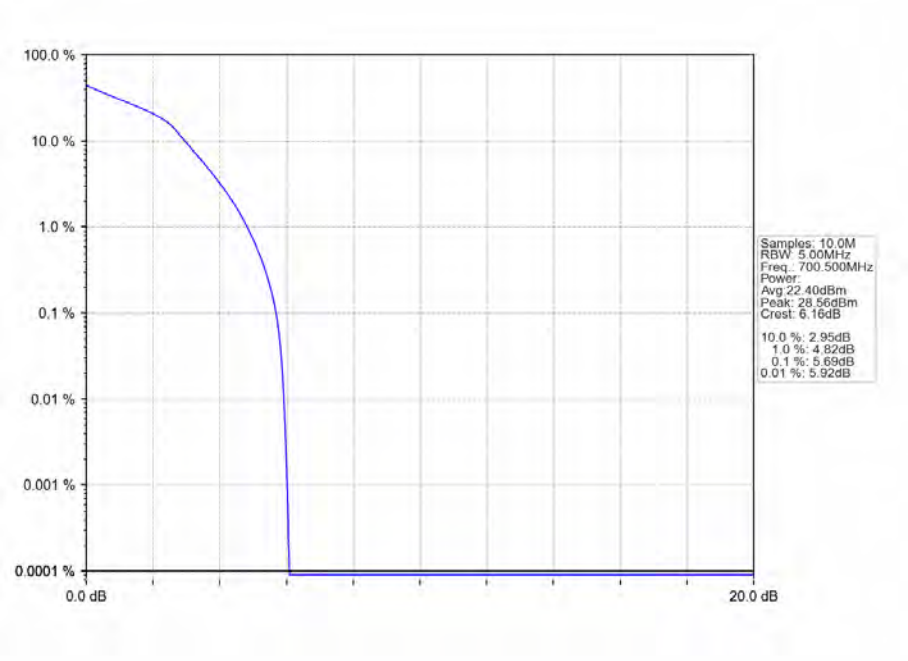
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



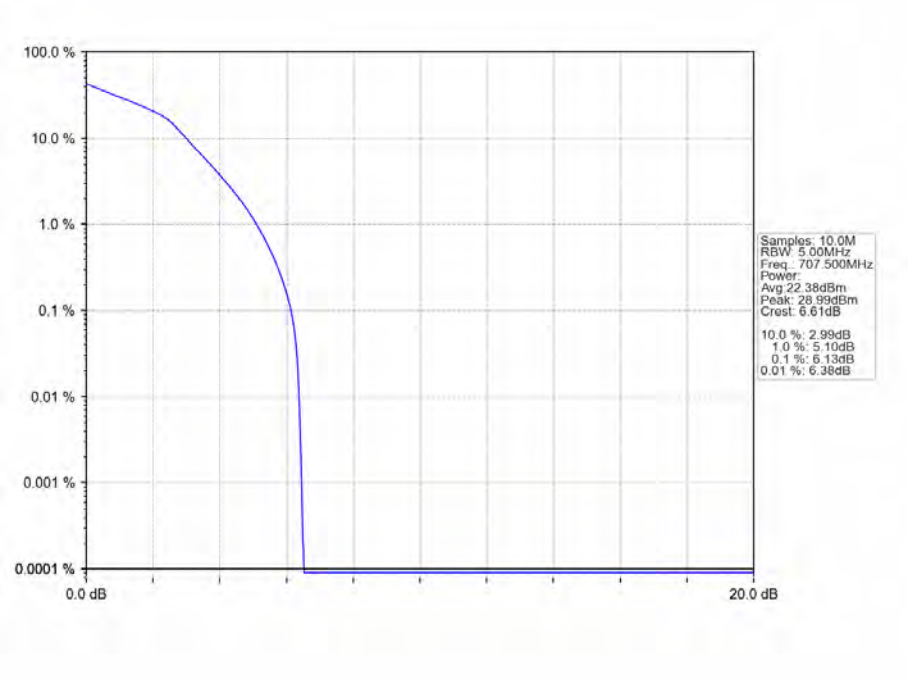
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



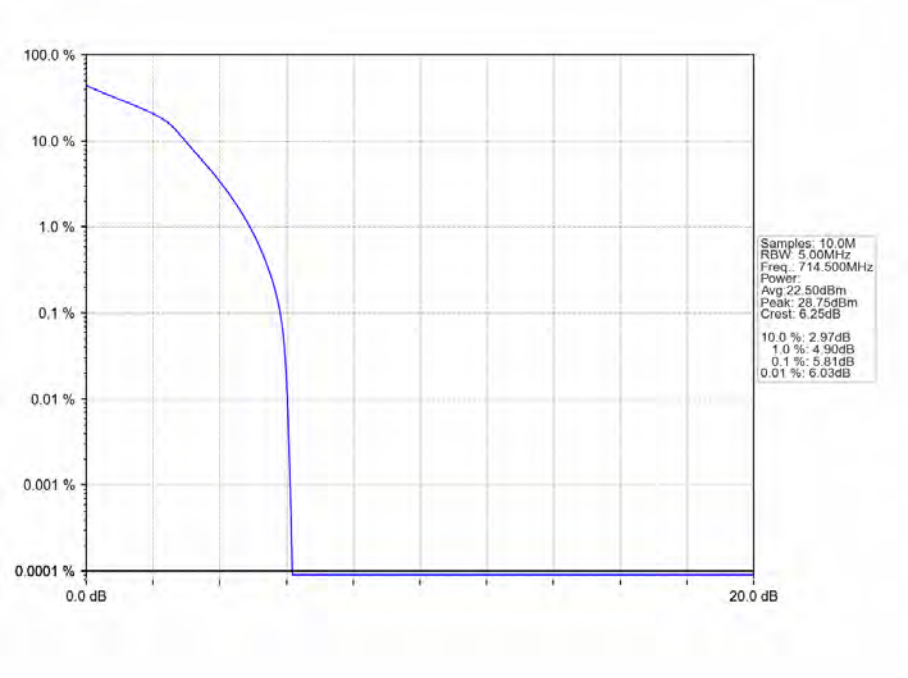
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



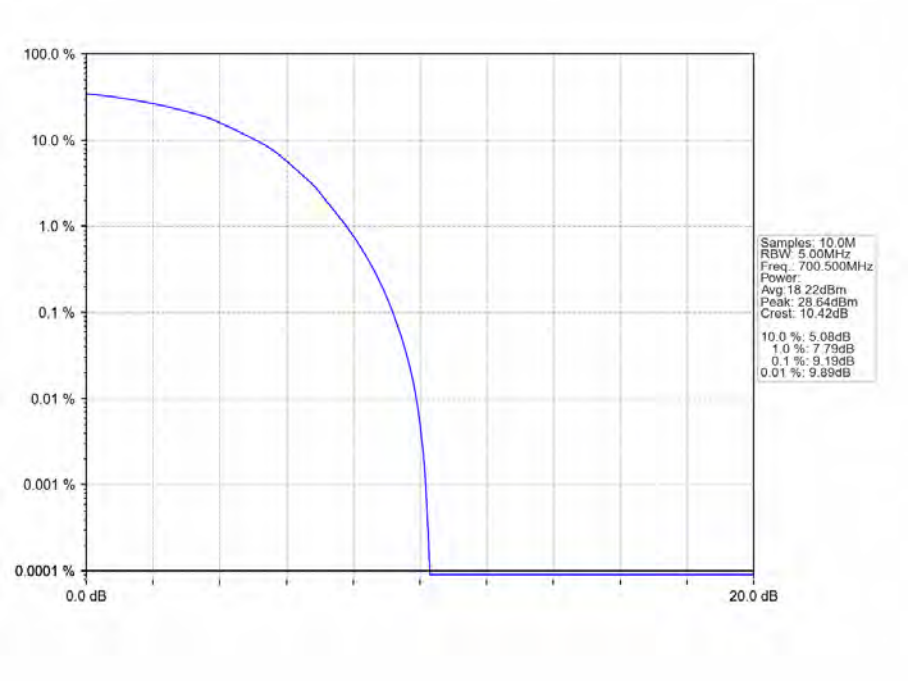
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



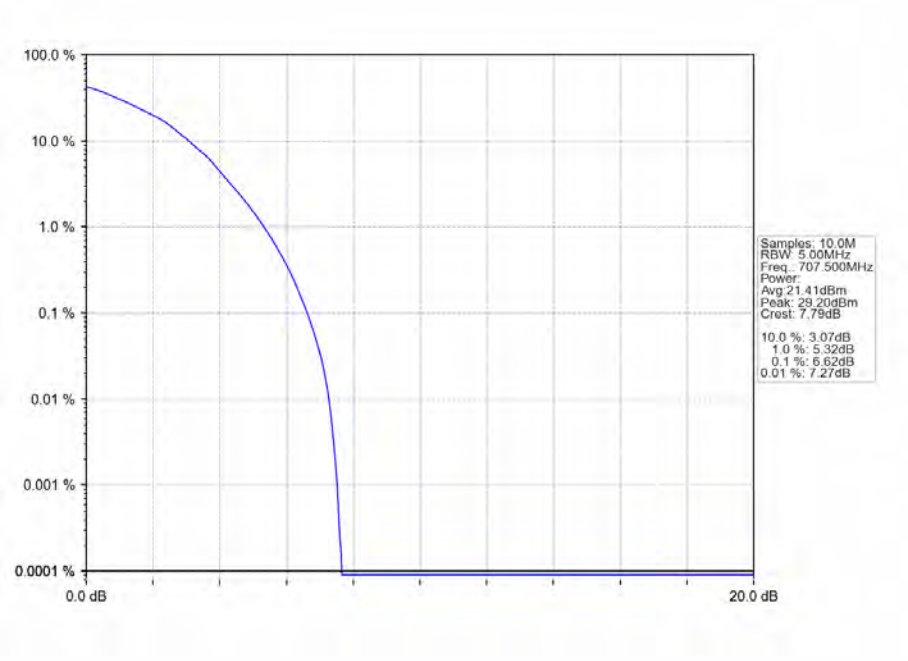
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



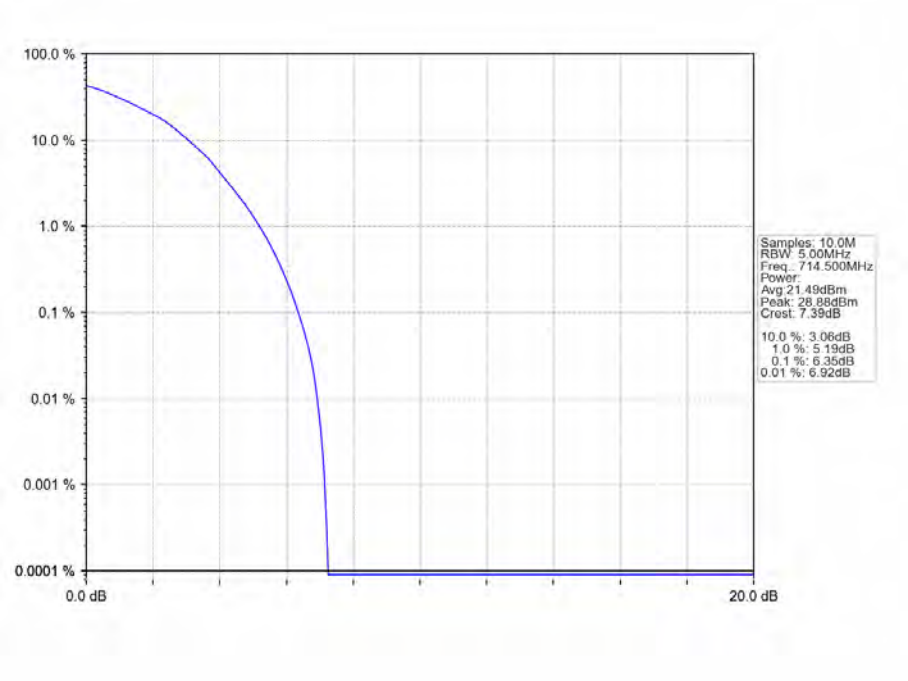
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



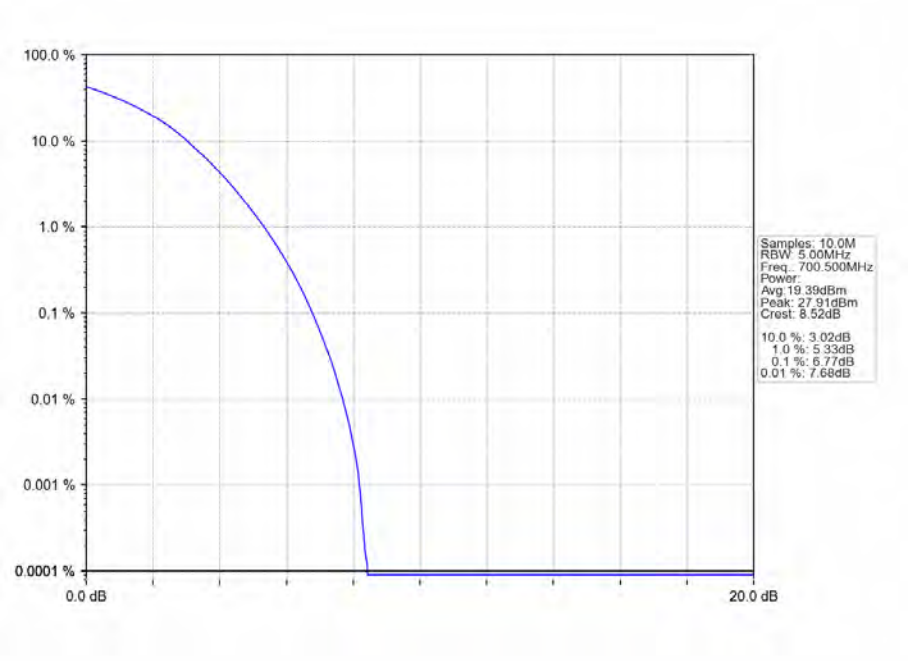
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



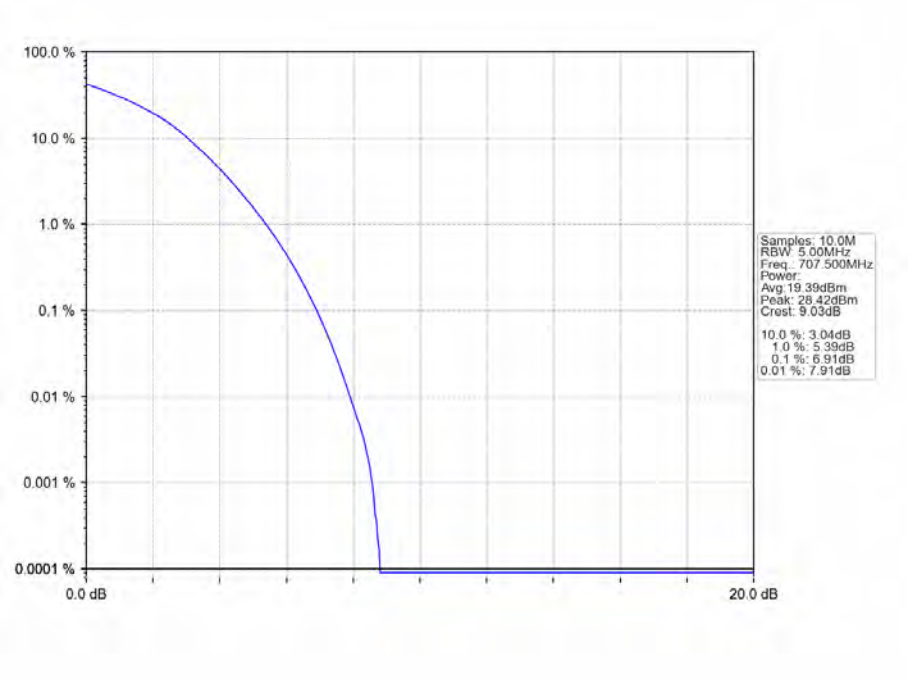
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



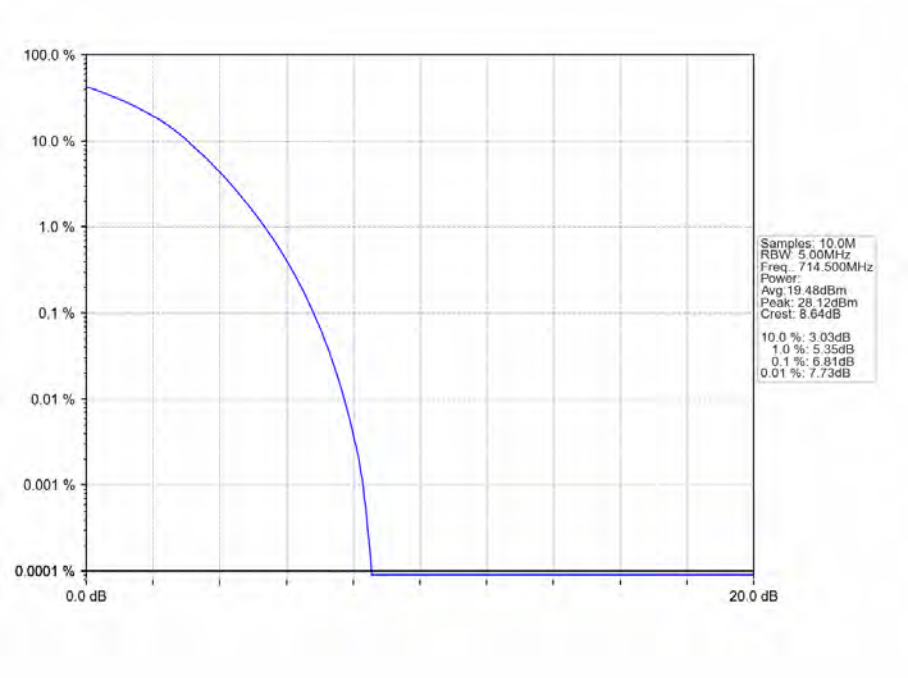
Band12_3MHz_256QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_256QAM_HCH_714.5MHz_RB_15_0_NTNV



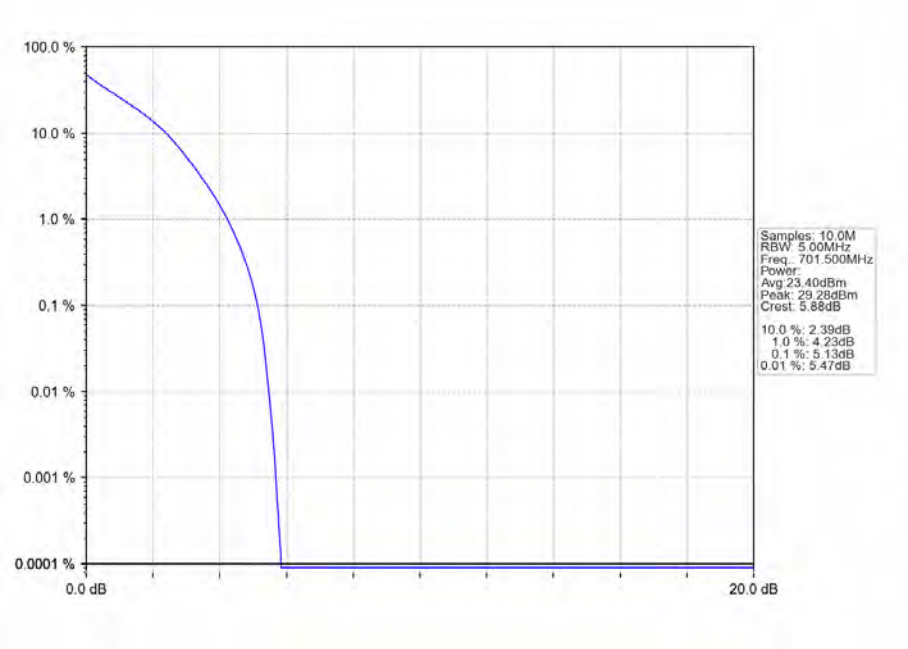
4.3 B12_5MHz

4.3.1 Test Result

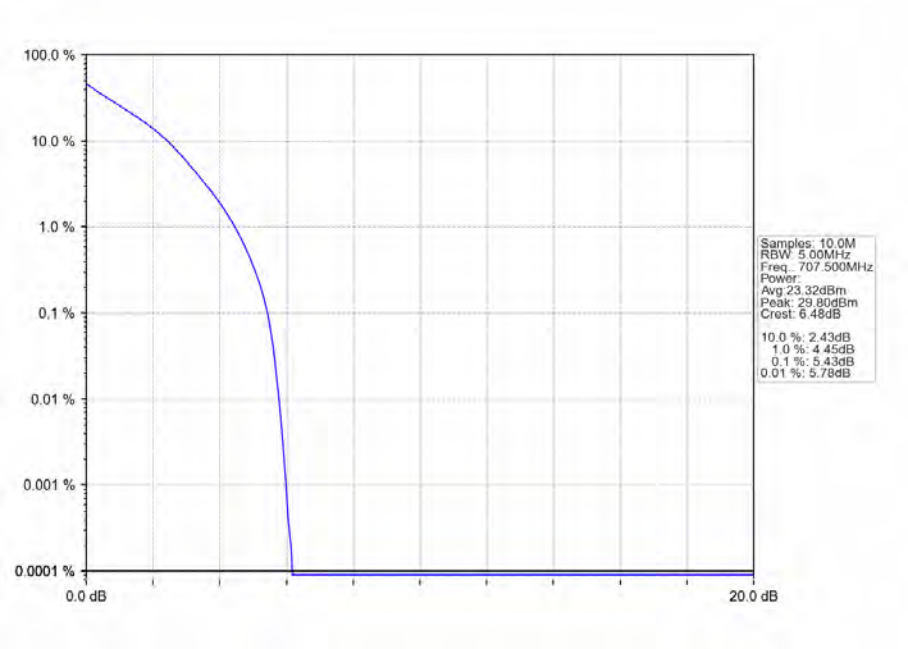
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.13	<=13	Pass
	707.5	25	0	5.43	<=13	Pass
	713.5	25	0	5.33	<=13	Pass
16QAM	701.5	25	0	5.95	<=13	Pass
	707.5	25	0	6.25	<=13	Pass
	713.5	25	0	6.12	<=13	Pass
64QAM	701.5	25	0	9.84	<=13	Pass
	707.5	25	0	10.13	<=13	Pass
	713.5	25	0	9.81	<=13	Pass
256QAM	701.5	25	0	6.68	<=13	Pass
	707.5	25	0	6.82	<=13	Pass
	713.5	25	0	6.80	<=13	Pass

4.3.2 Test Graph

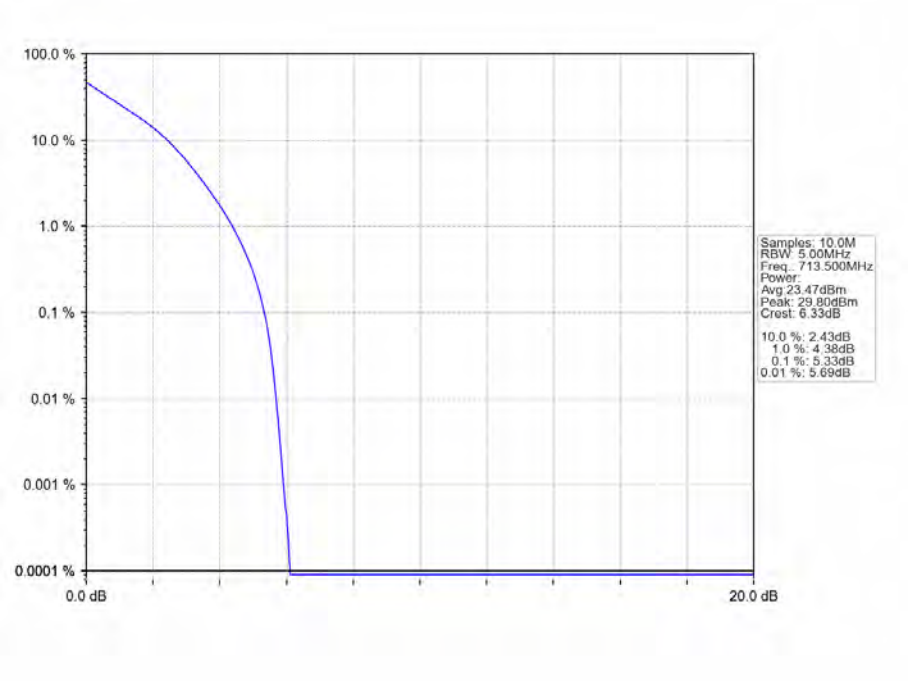
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



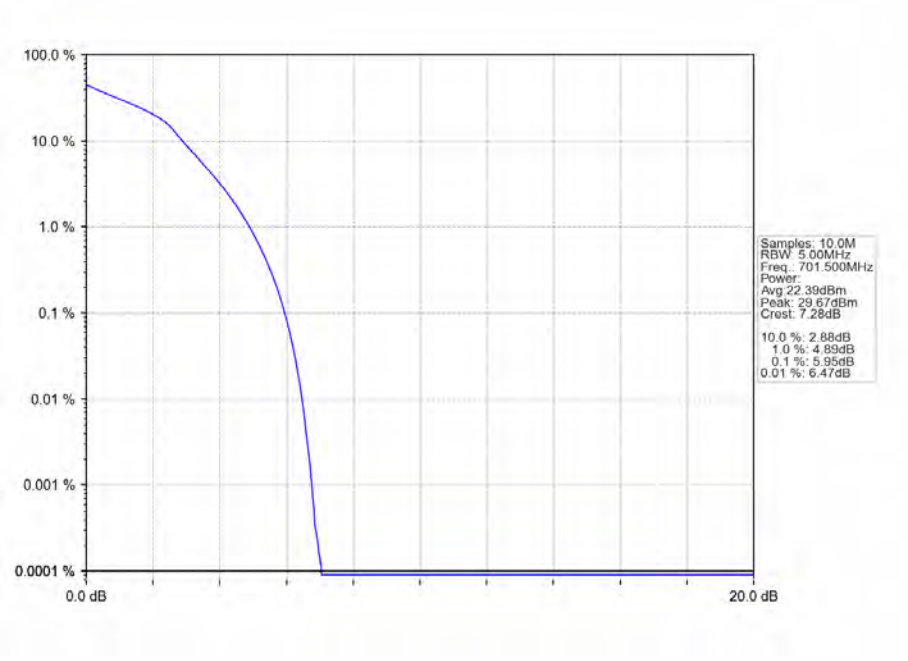
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



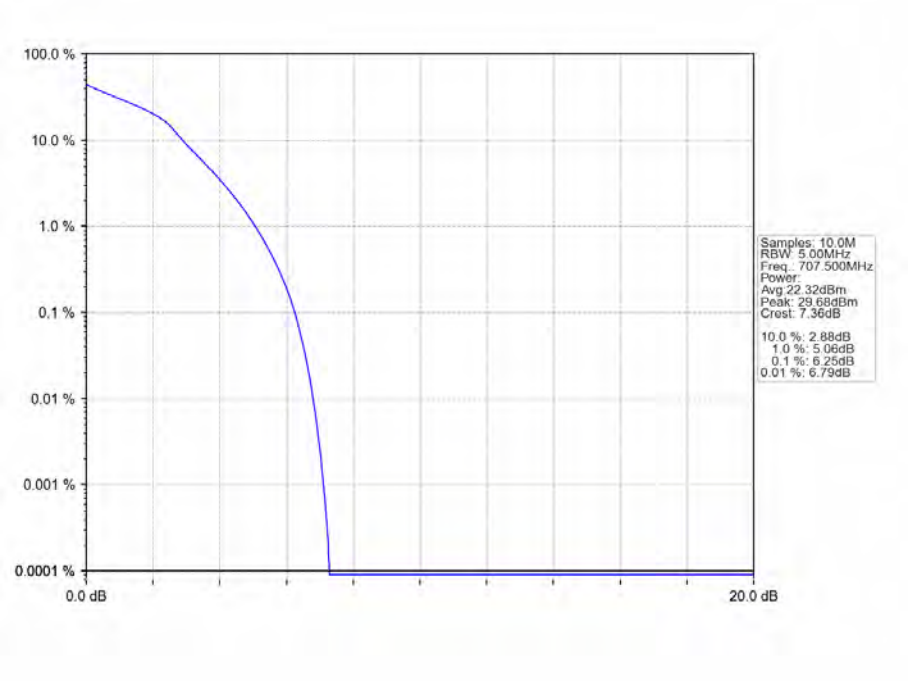
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



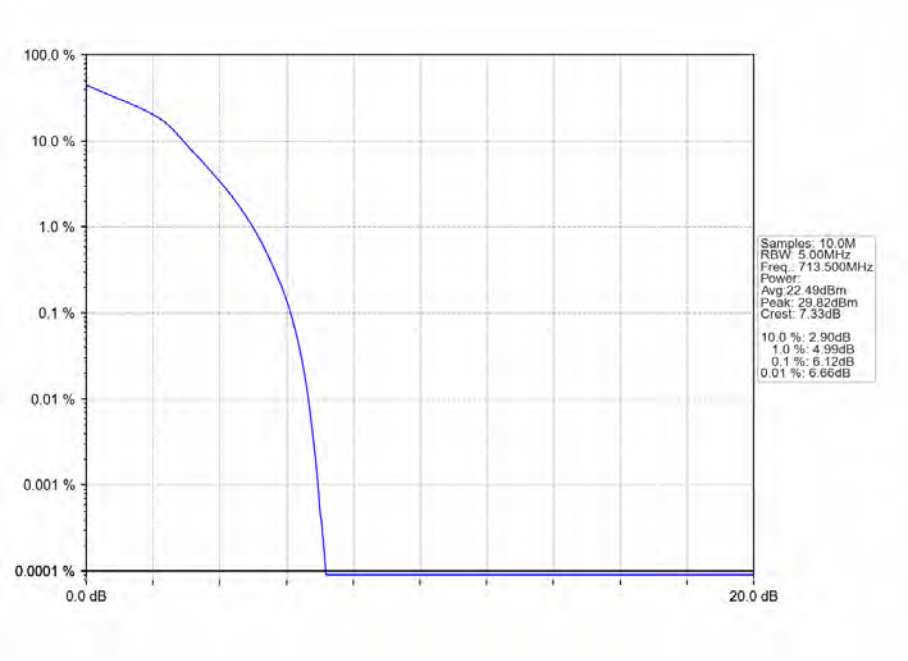
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

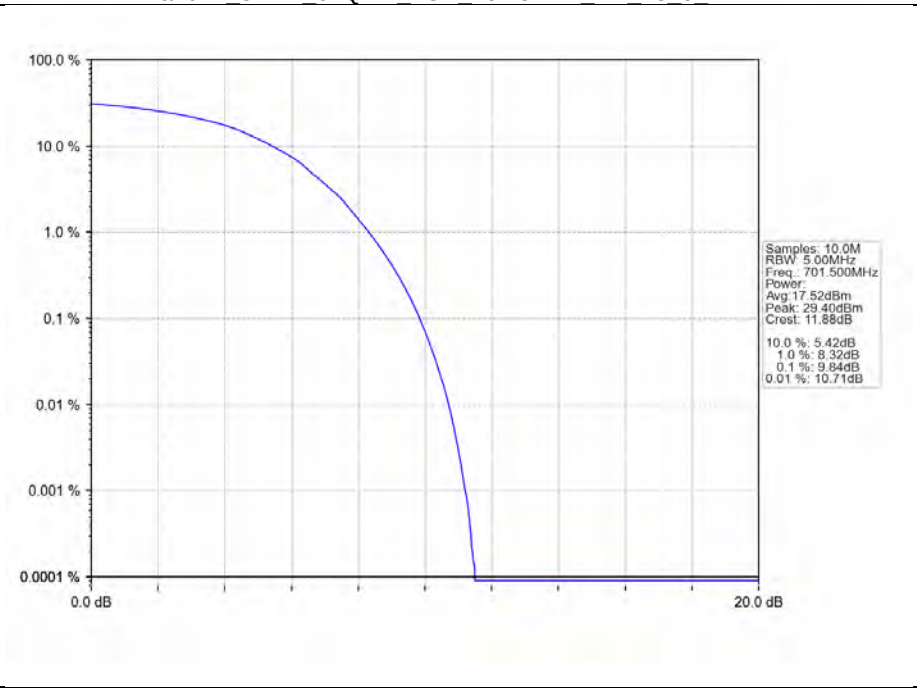


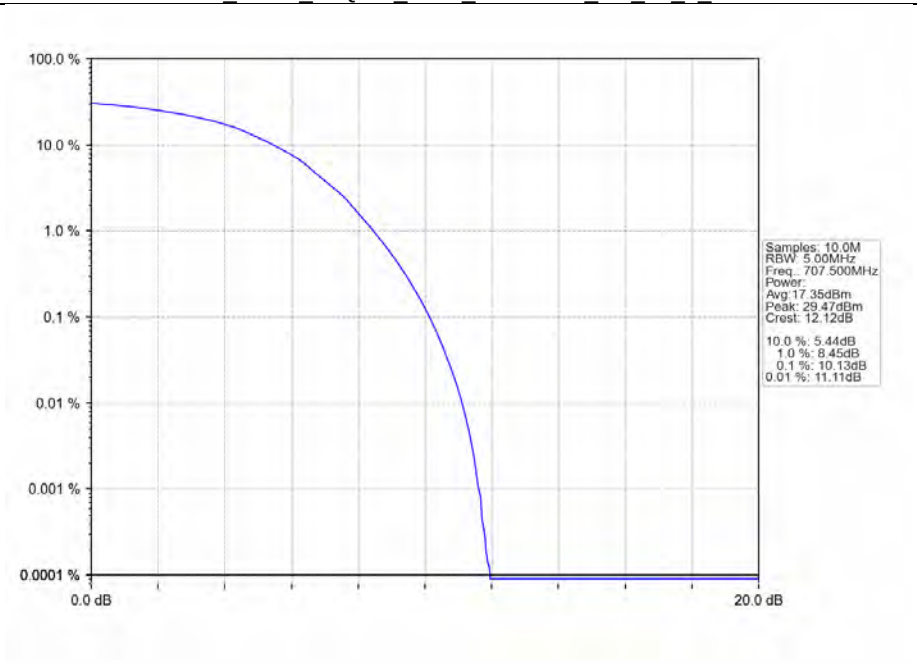
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



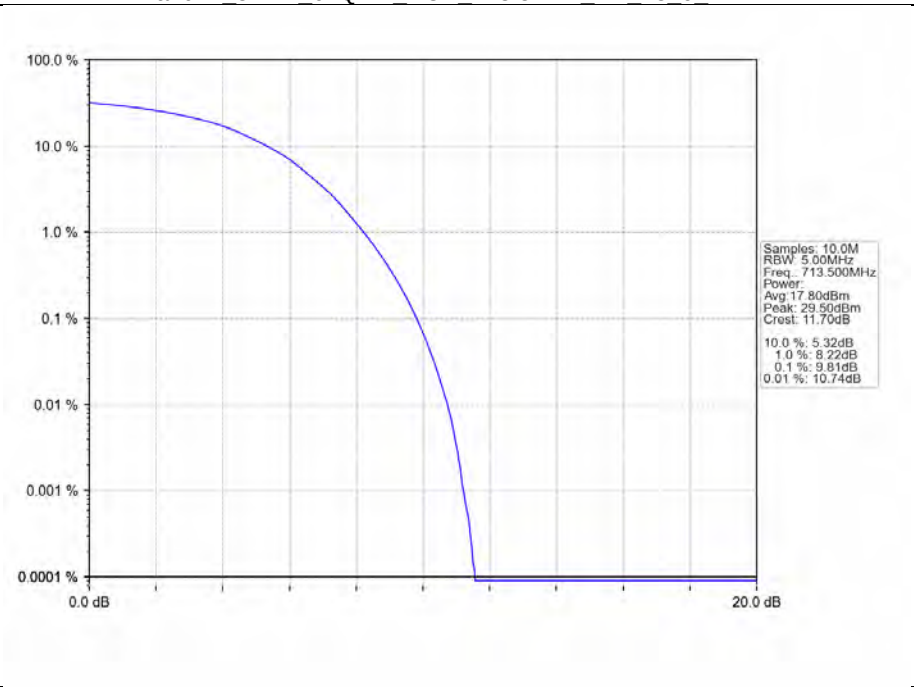
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



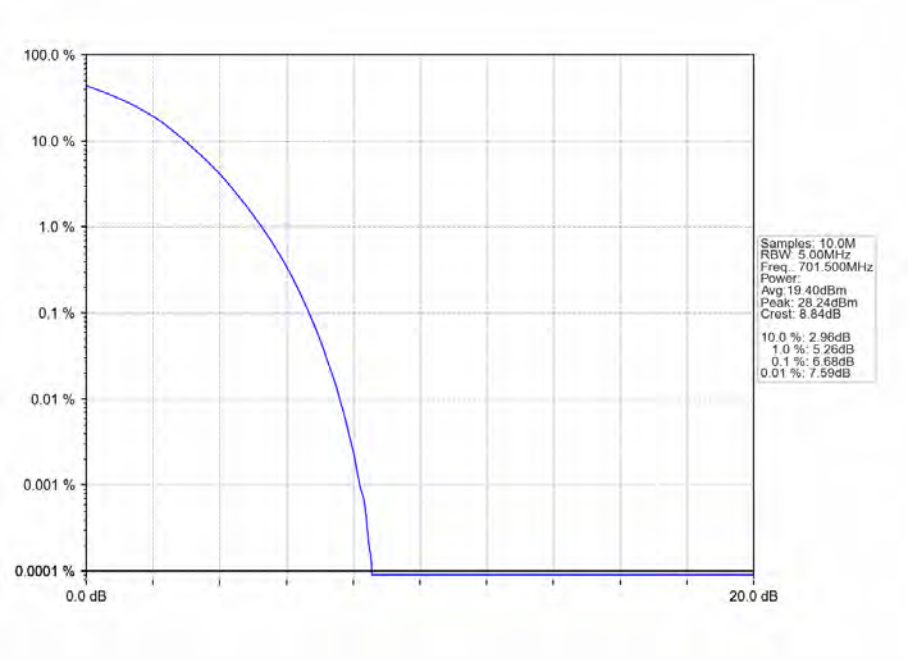
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV


Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV


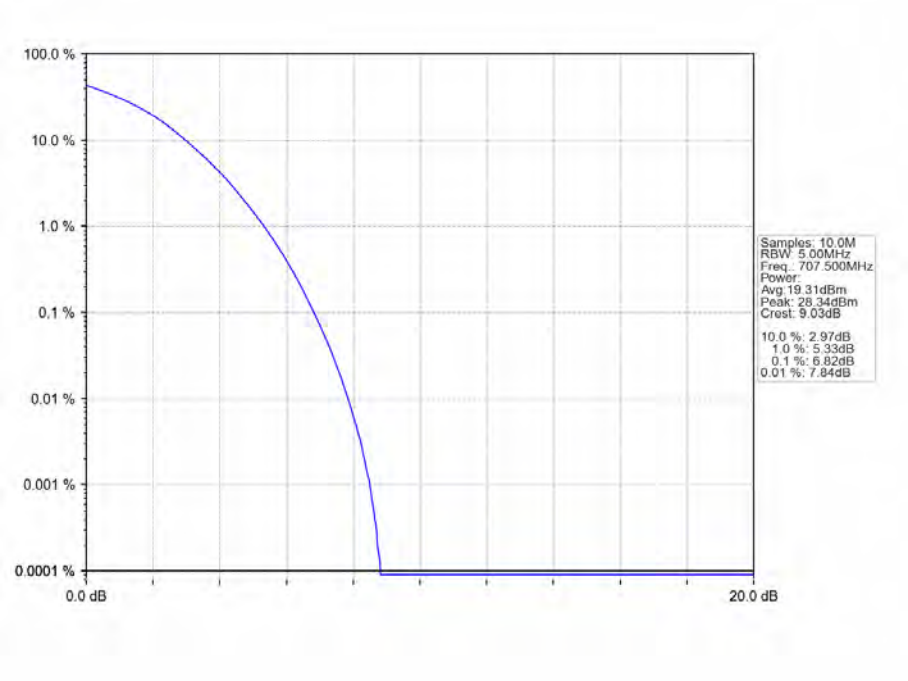
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



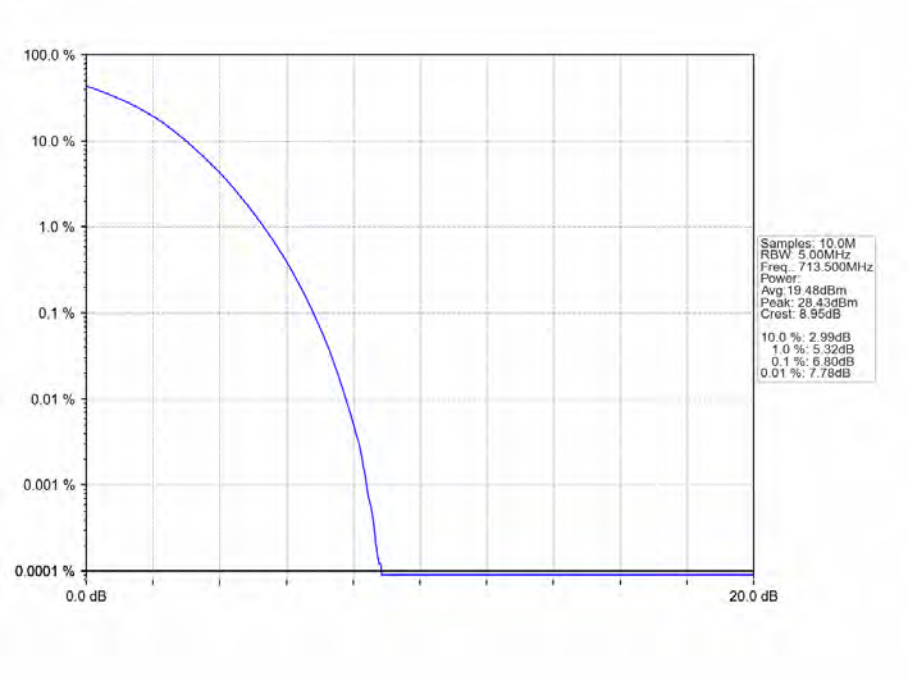
Band12_5MHz_256QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



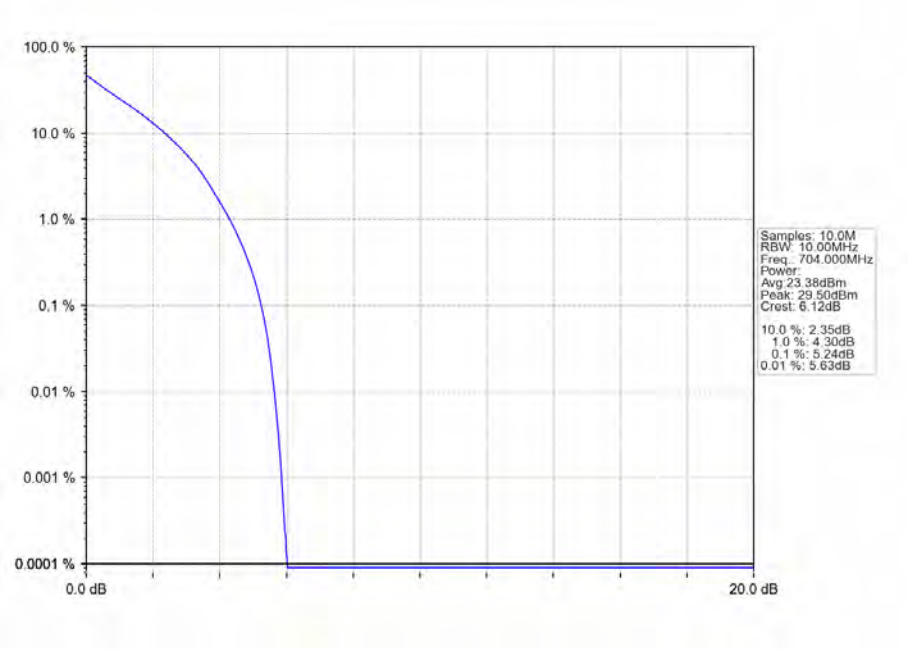
4.4 B12_10MHz

4.4.1 Test Result

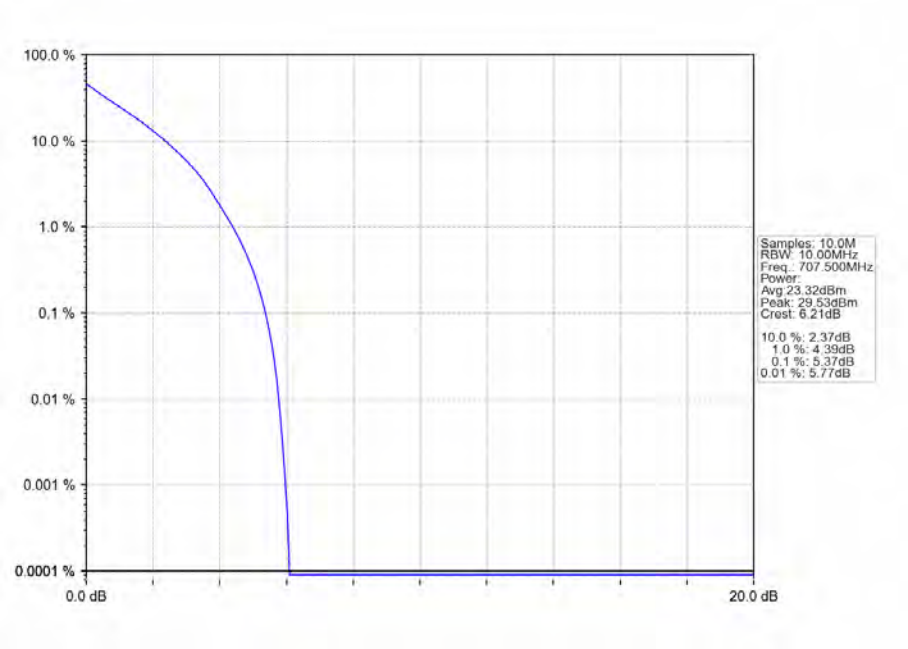
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.24	<=13	Pass
	707.5	50	0	5.37	<=13	Pass
	711	50	0	5.41	<=13	Pass
16QAM	704	50	0	6.04	<=13	Pass
	707.5	50	0	6.19	<=13	Pass
	711	50	0	6.21	<=13	Pass
64QAM	704	50	0	7.33	<=13	Pass
	707.5	50	0	6.57	<=13	Pass
	711	50	0	7.61	<=13	Pass
256QAM	704	50	0	6.74	<=13	Pass
	707.5	50	0	6.79	<=13	Pass
	711	50	0	6.84	<=13	Pass

4.4.2 Test Graph

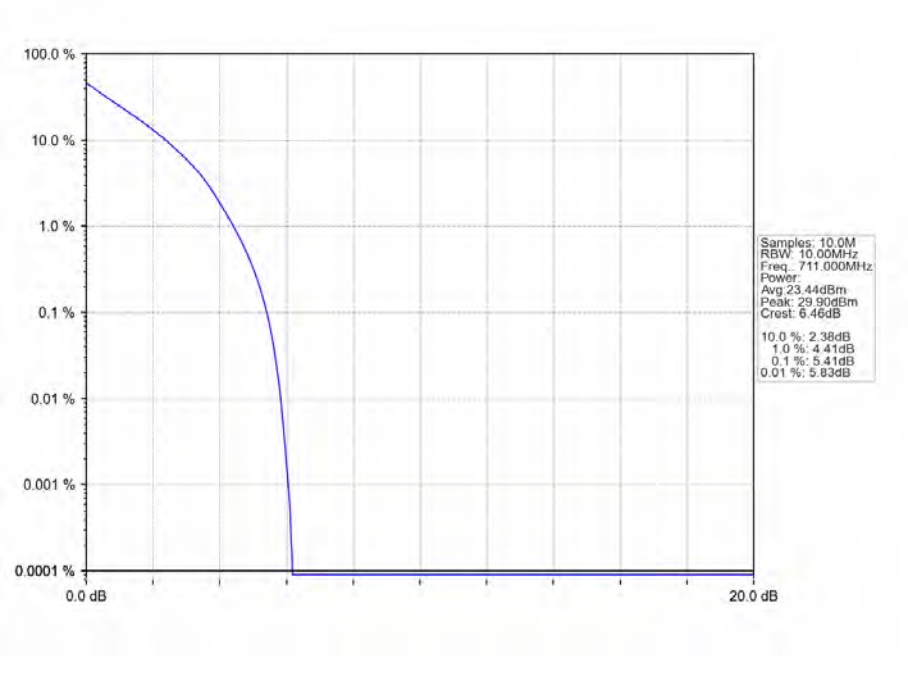
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



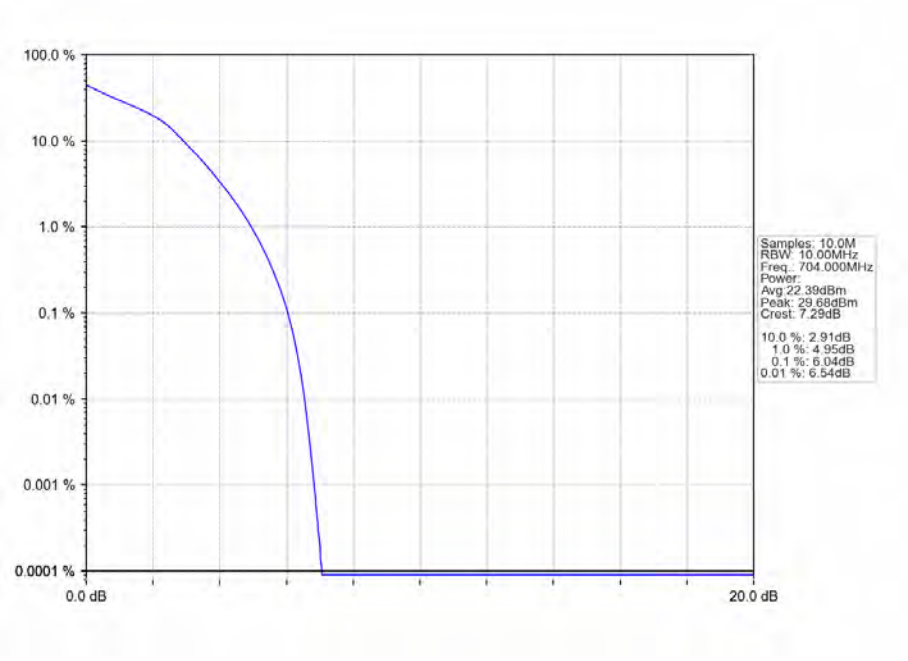
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



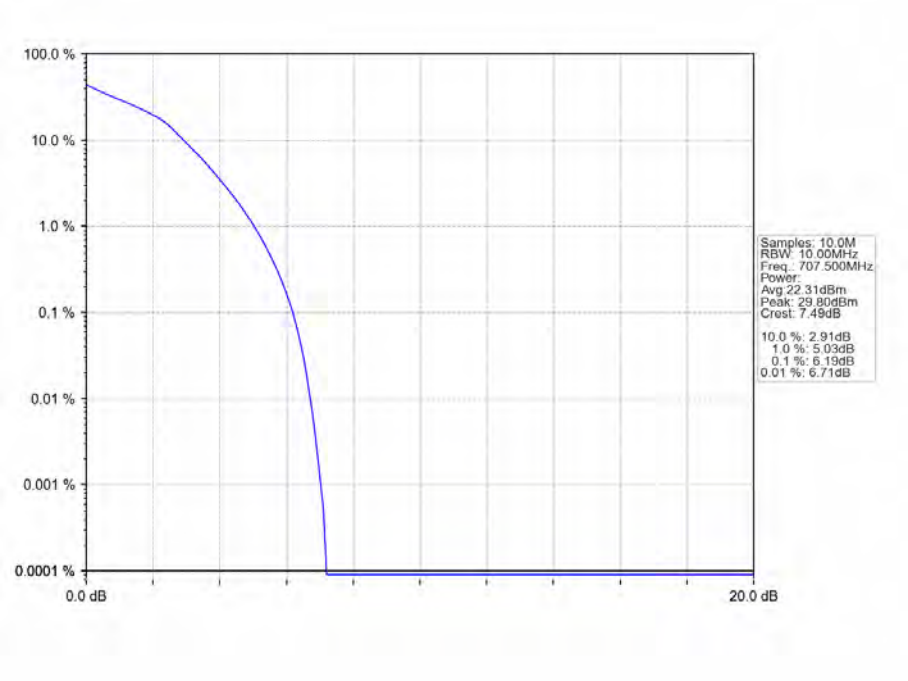
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



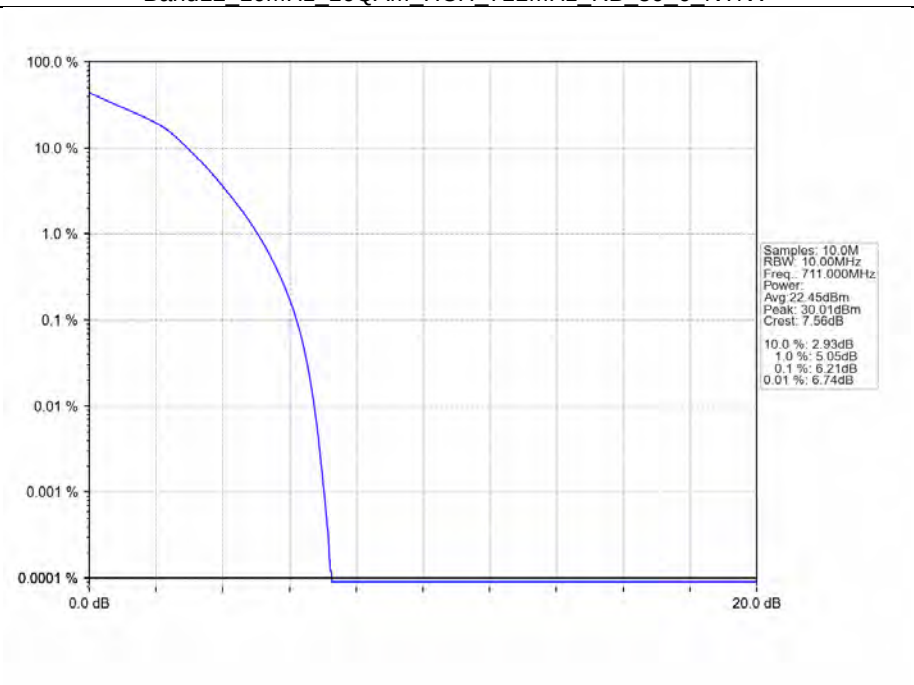
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



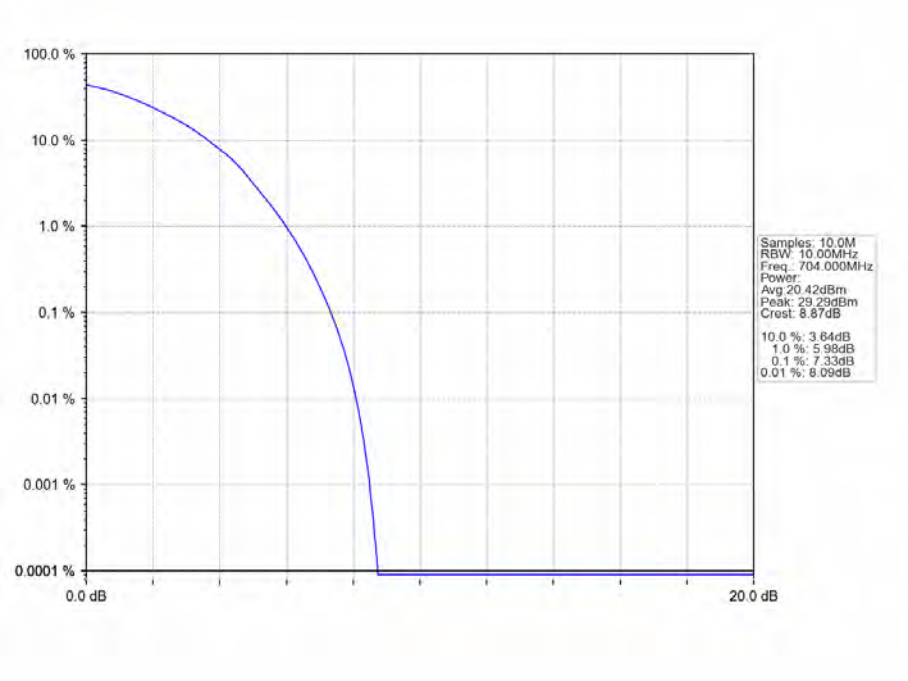
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



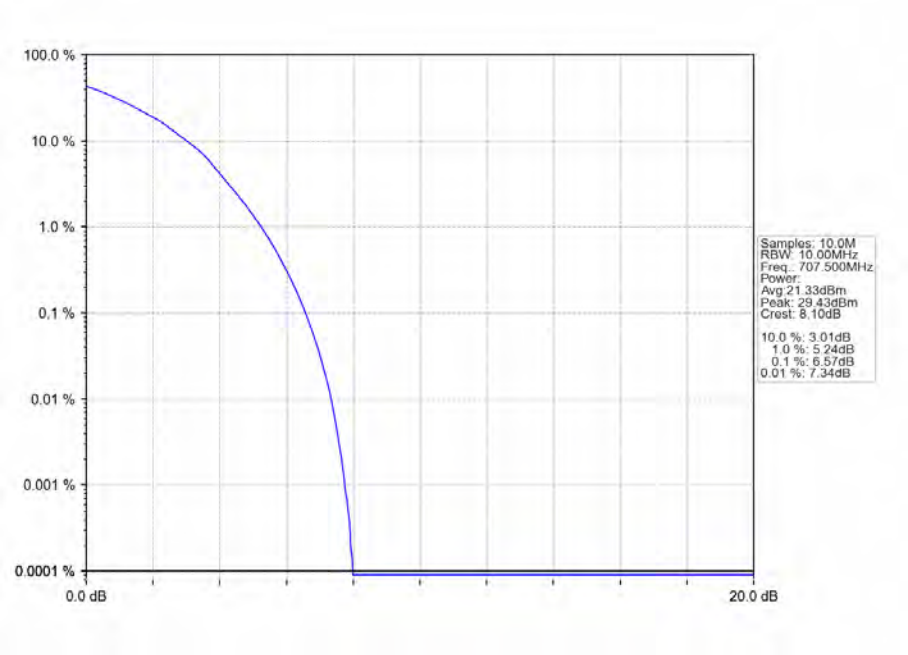
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



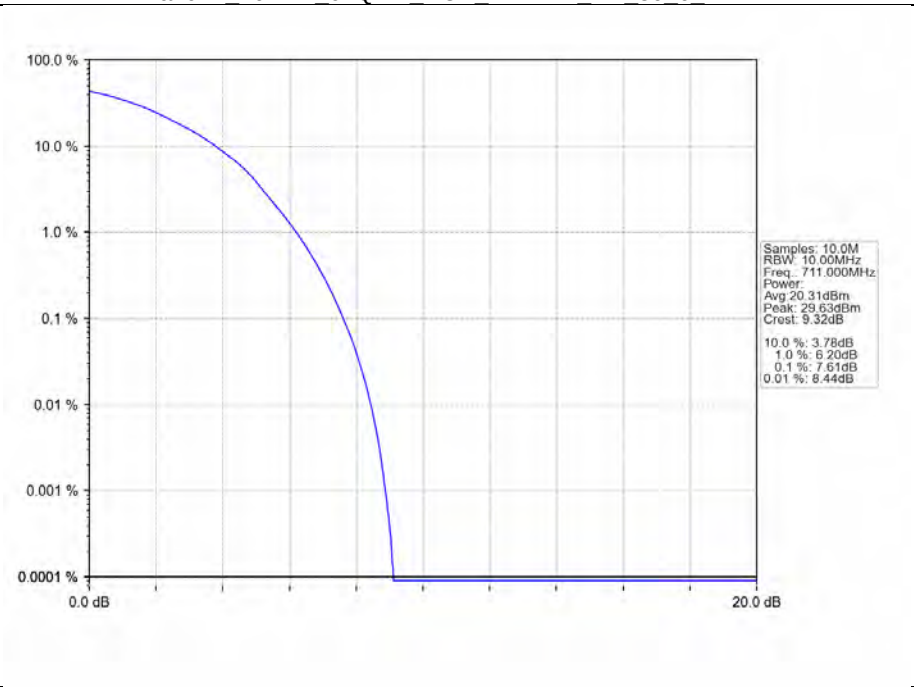
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



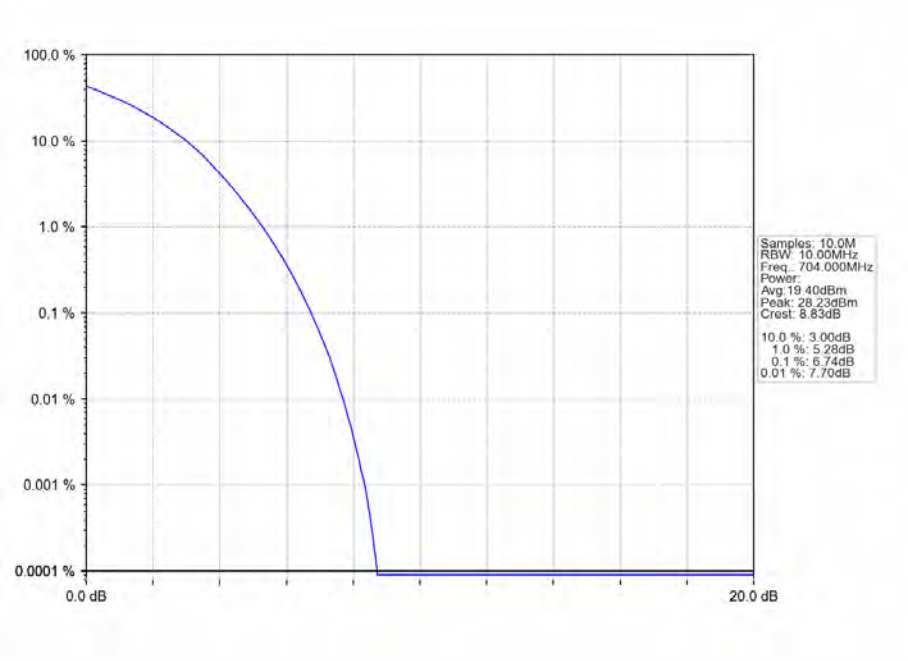
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



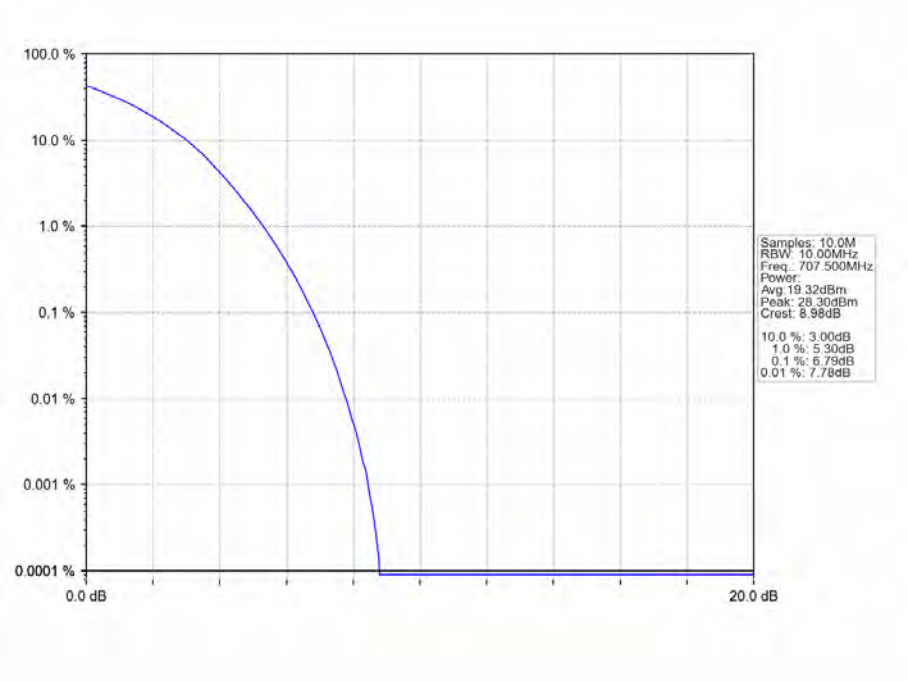
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



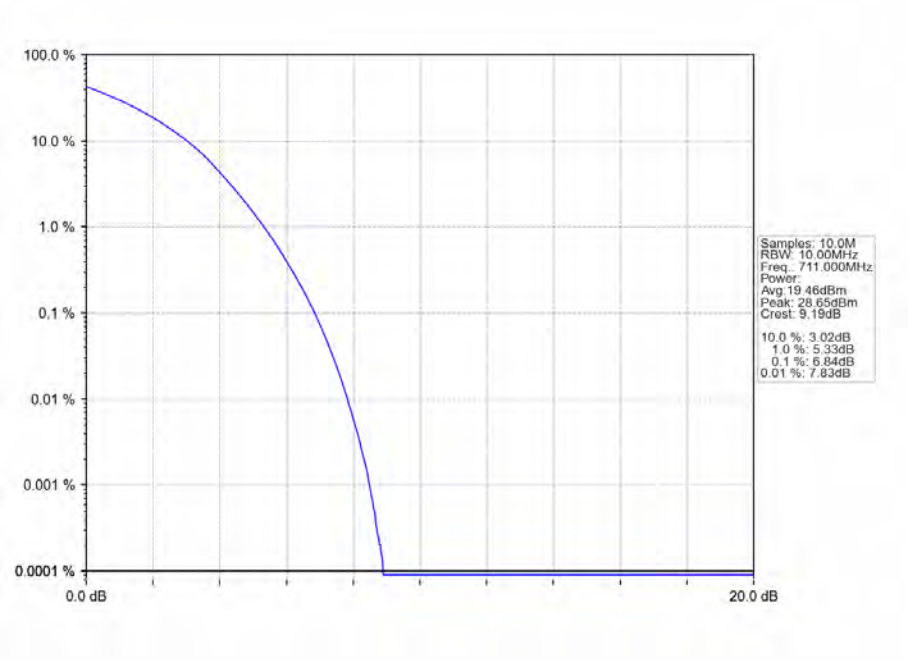
Band12_10MHz_256QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission

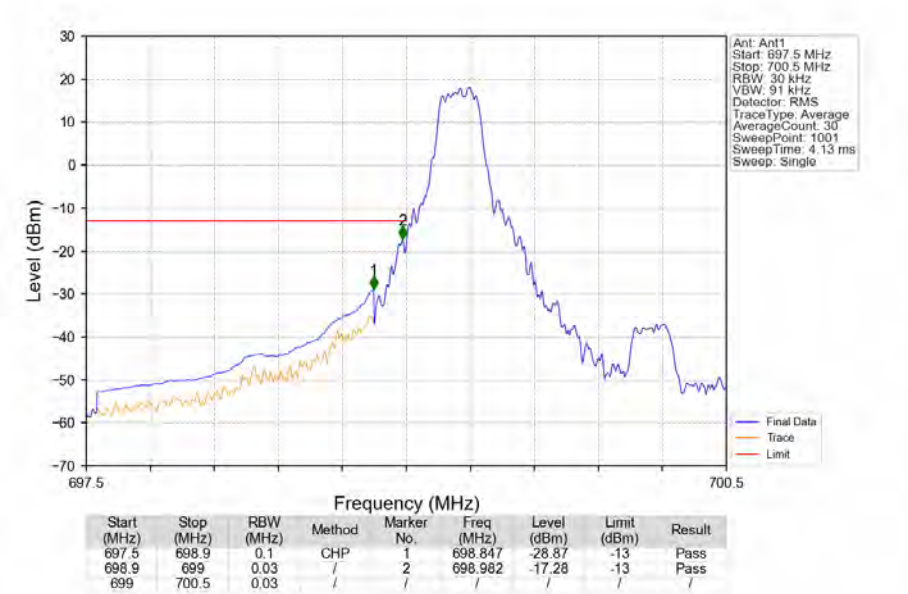
5.1 B12_1.4MHz

5.1.1 Test Result

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

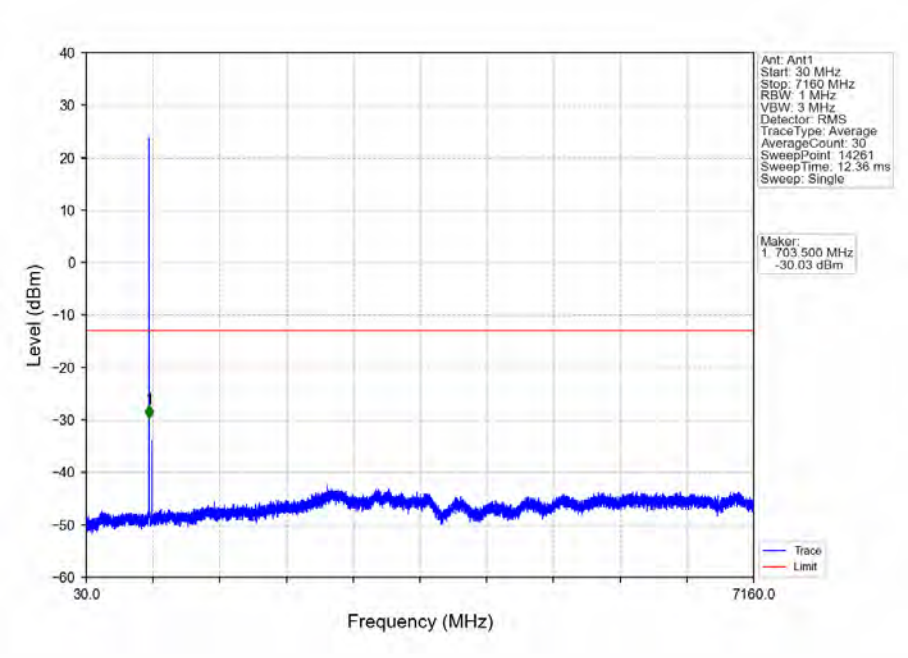
5.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

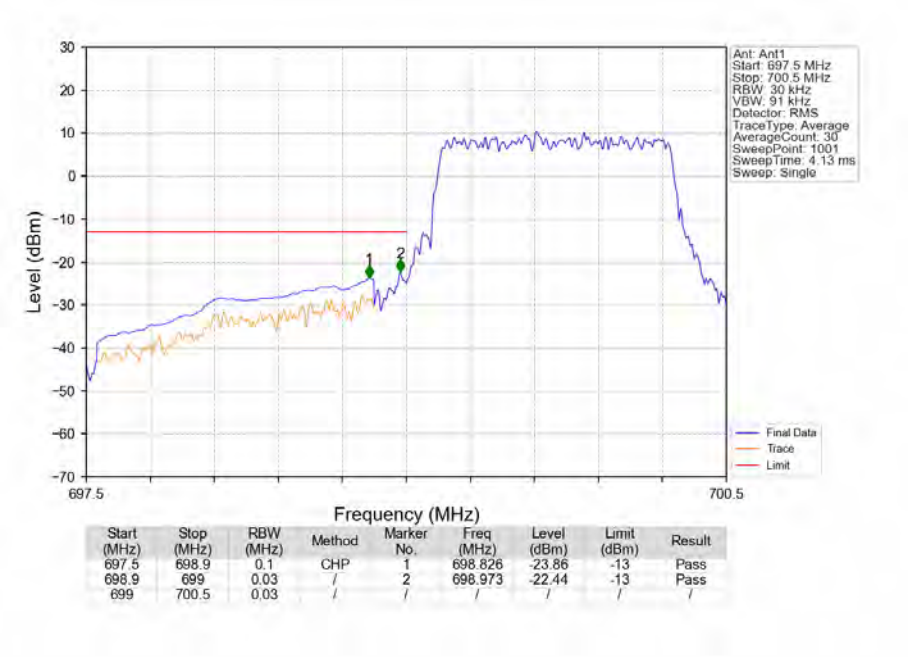


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-28.87	-13	Pass
698.9	699	0.03	/	2	698.982	-17.28	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

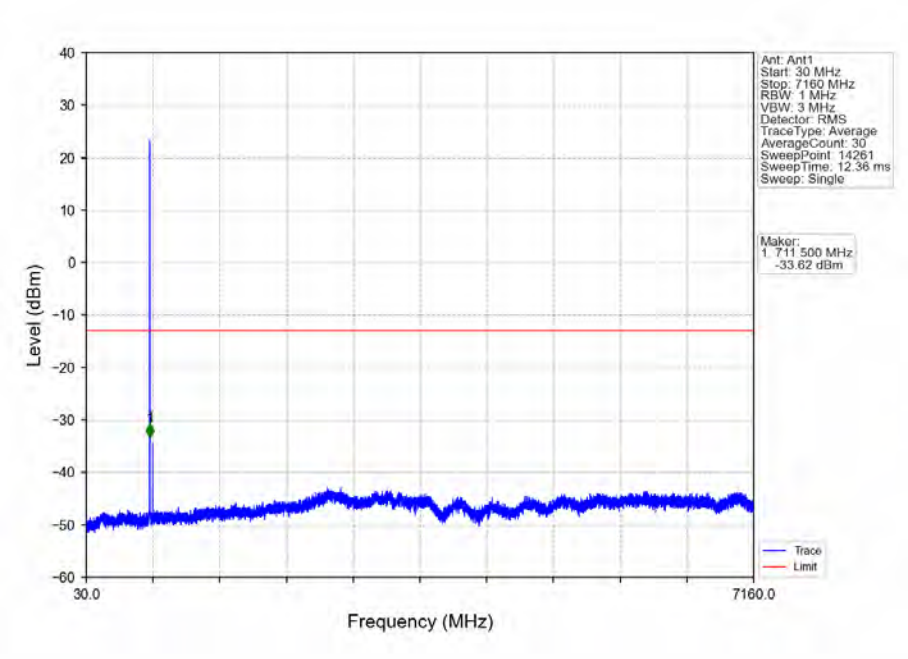


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

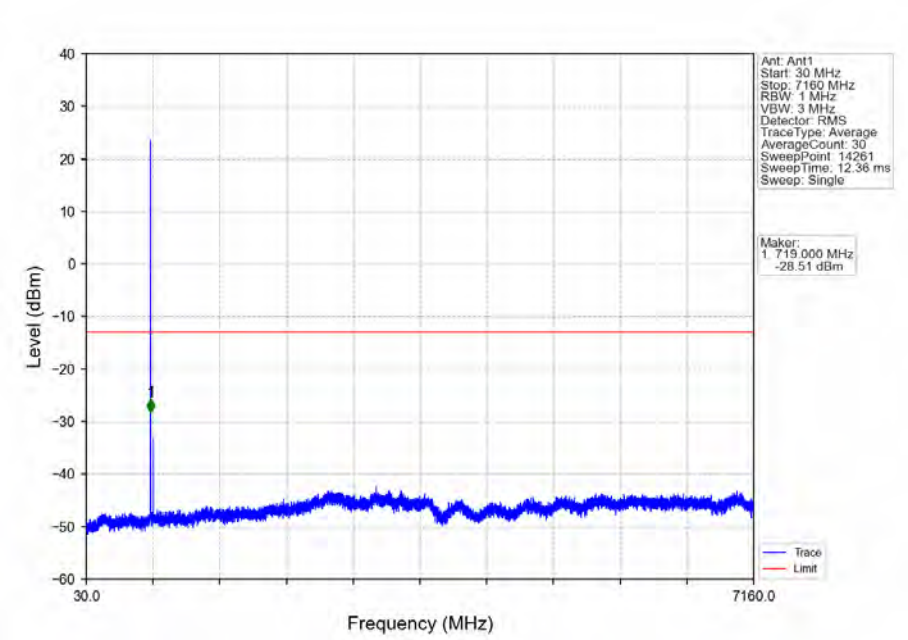


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.826	-23.86	-13	Pass
698.9	699	0.03	/	2	698.973	-22.44	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

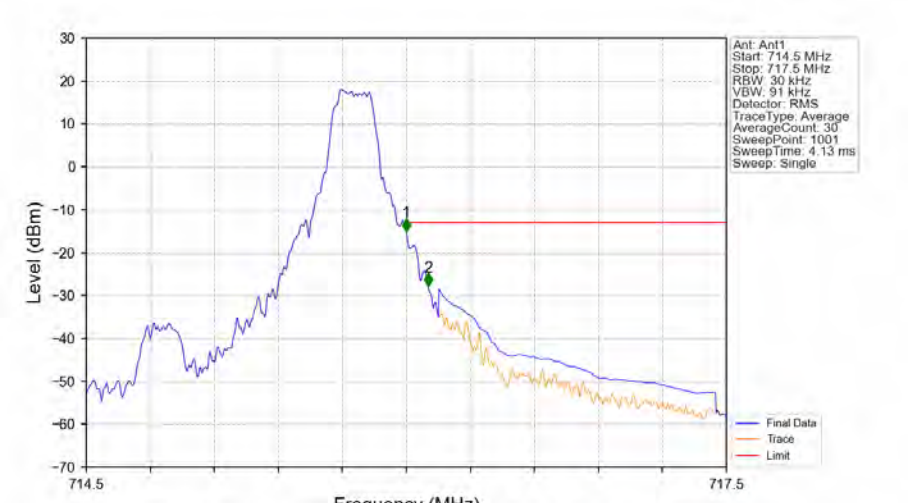
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

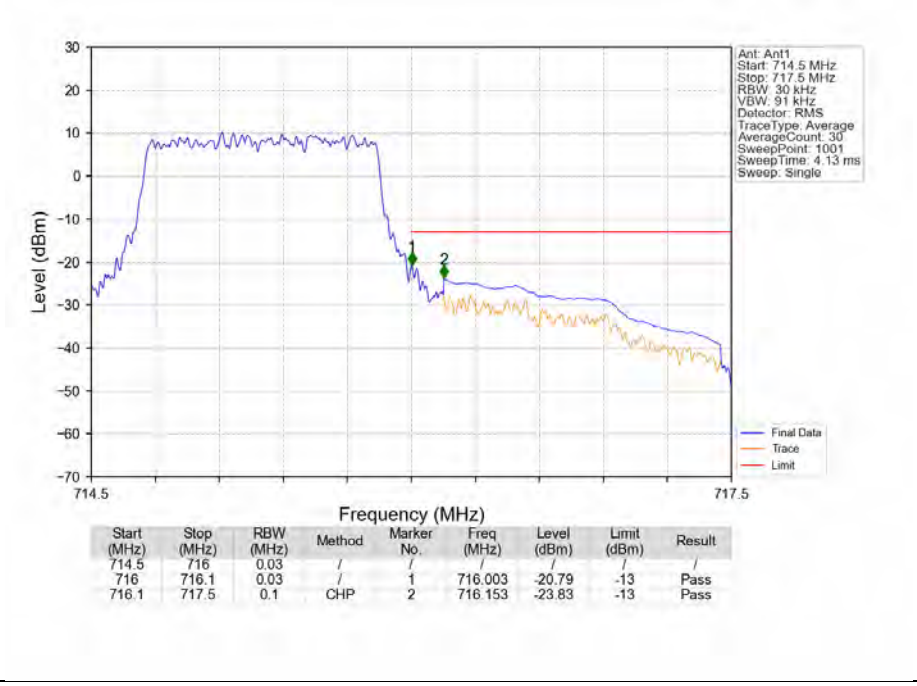


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



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	-15.07	-13	Pass
716.1	717.5	0.1	CHP	2	716.102	-27.92	-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	716.003	-20.79	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-23.83	-13	Pass

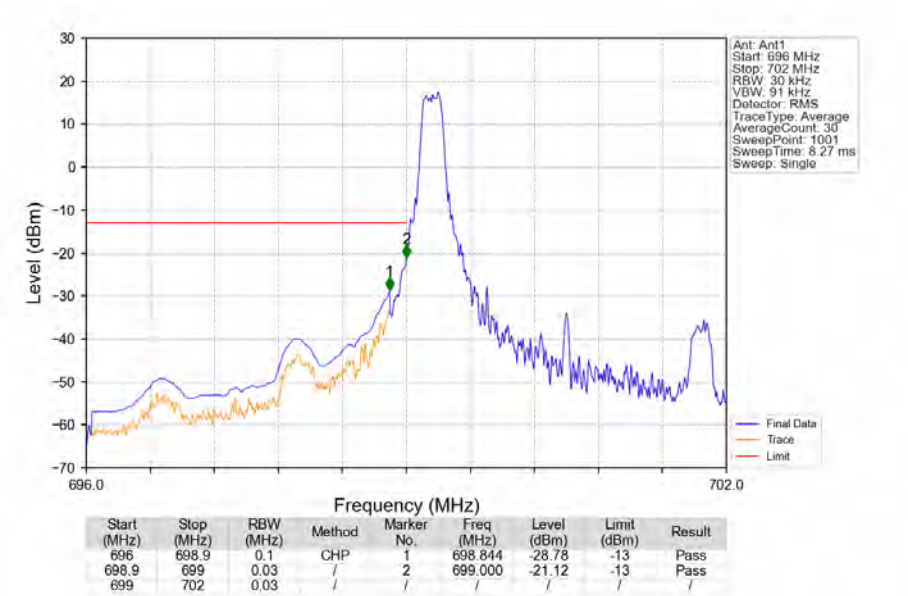
5.2 B12_3MHz

5.2.1 Test Result

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

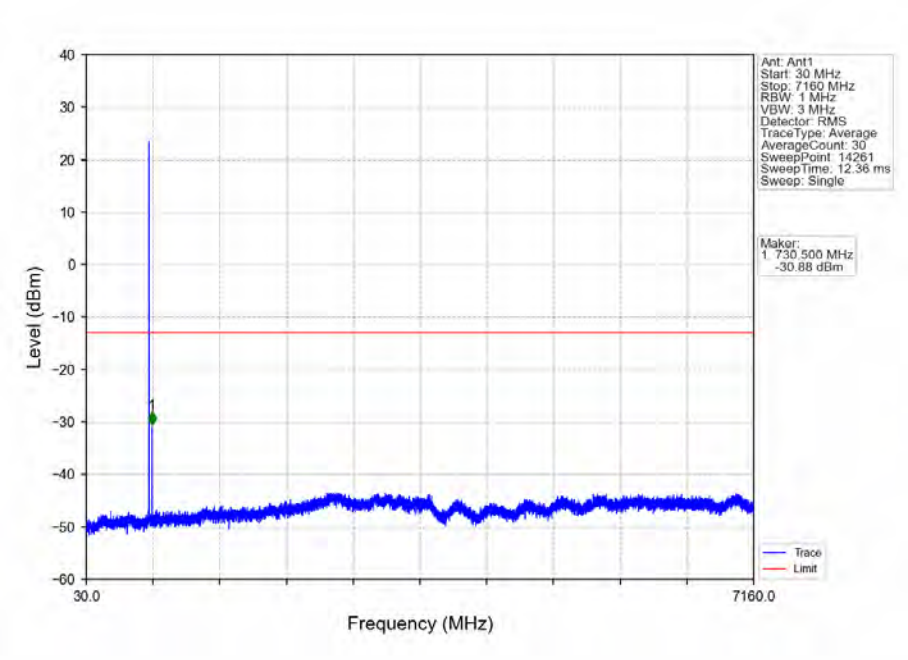
5.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

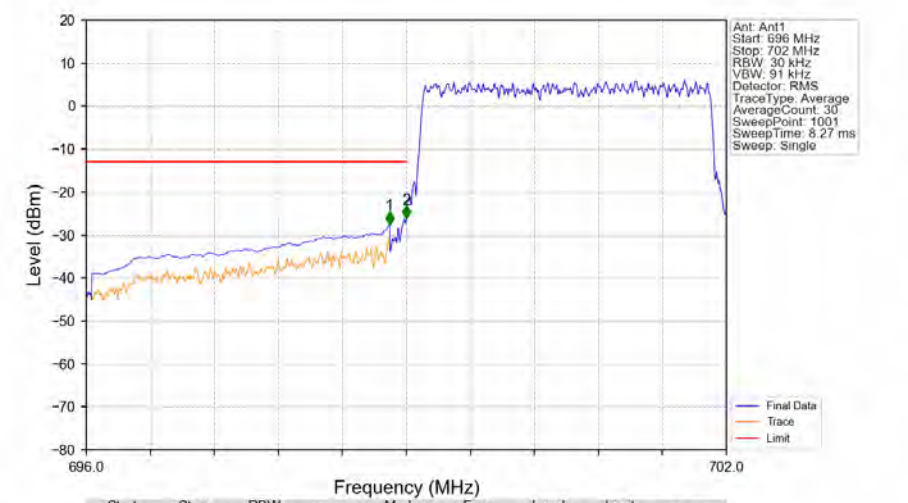


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-28.78	-13	Pass
698.9	699	0.03	/	2	699.000	-21.12	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

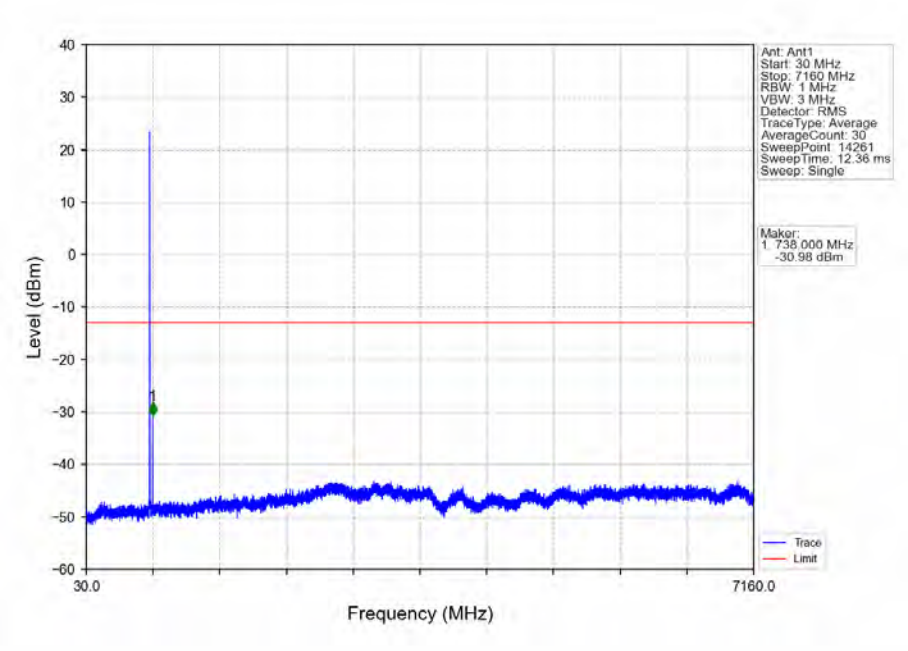


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

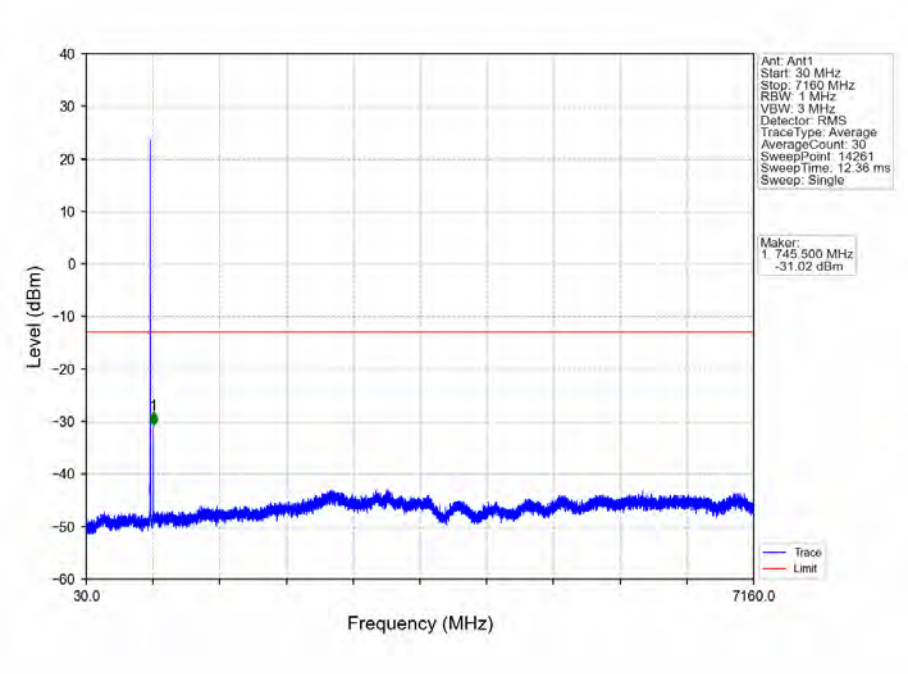


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.54	-13	Pass
698.9	699	0.03	/	2	699.000	-26.16	-13	Pass
699	702	0.03	/	/	/	/	/	/

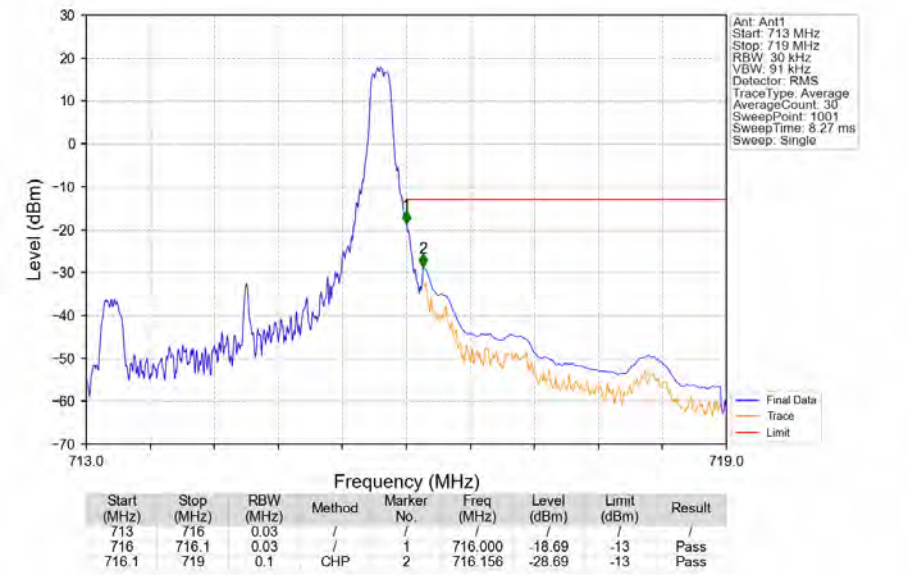
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

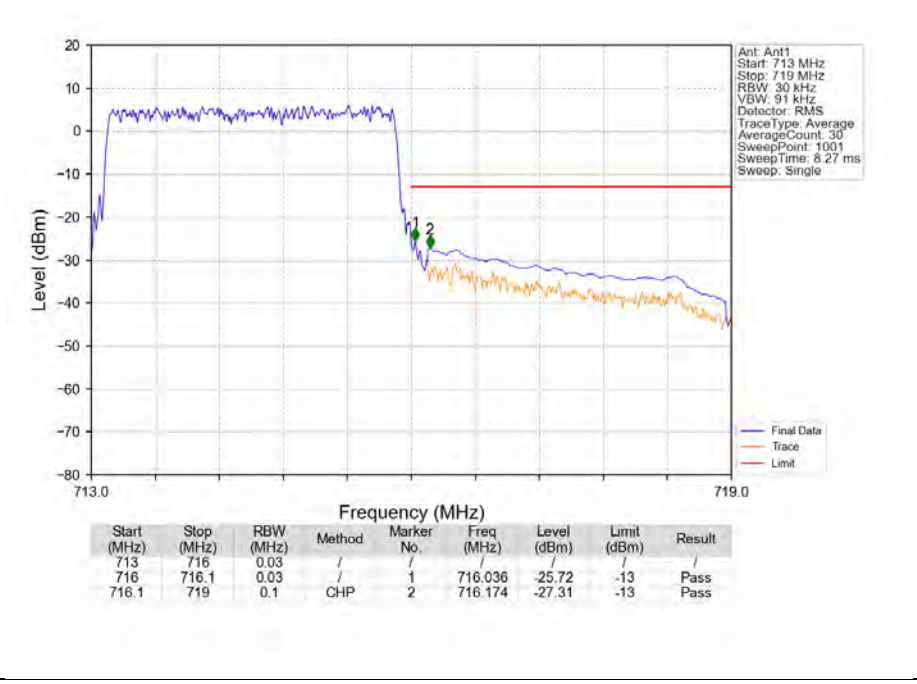


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	-18.69	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.69	-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	716.036	-25.72	-13	Pass
716.1	719	0.1	CHP	2	716.174	-27.31	-13	Pass

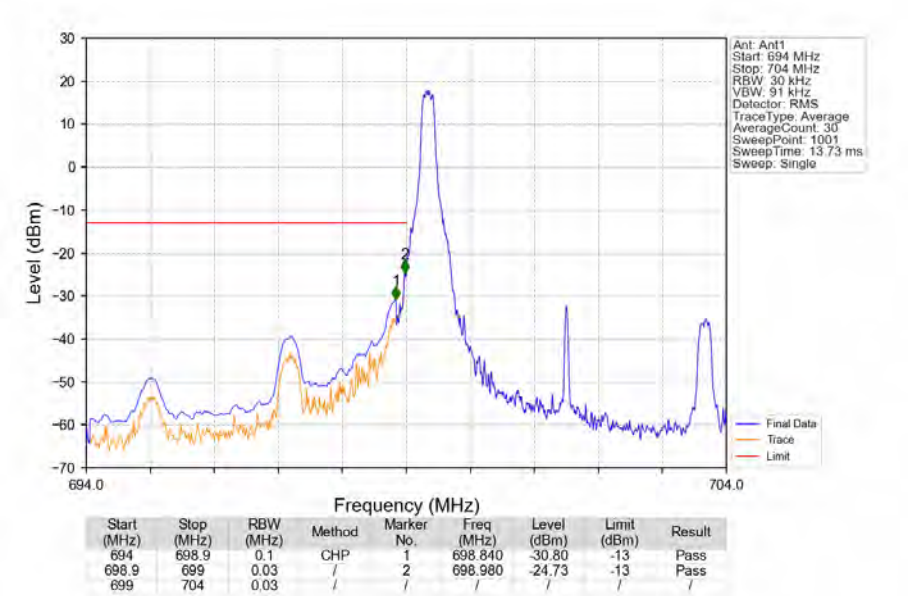
5.3 B12_5MHz

5.3.1 Test Result

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

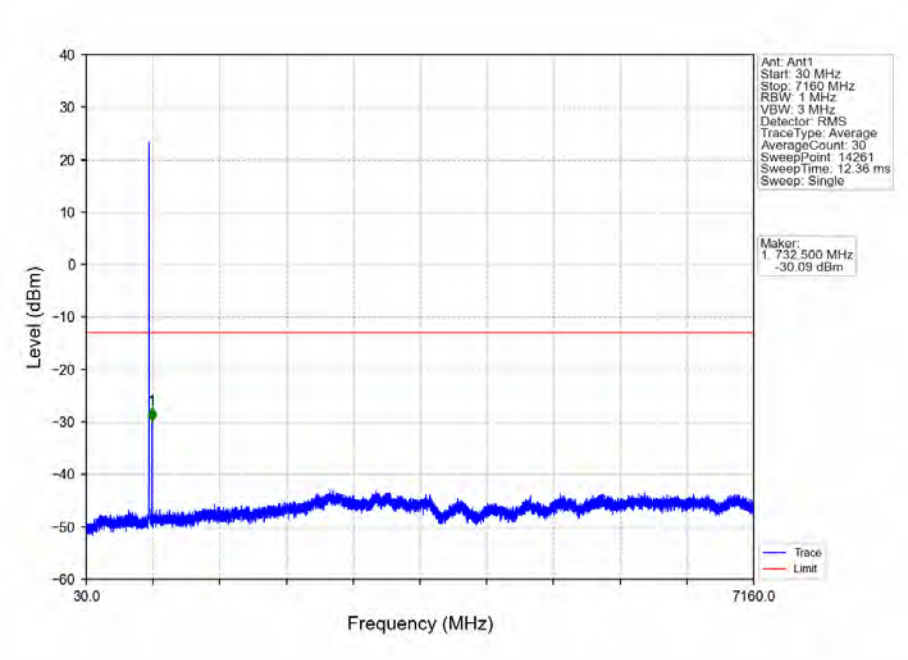
5.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

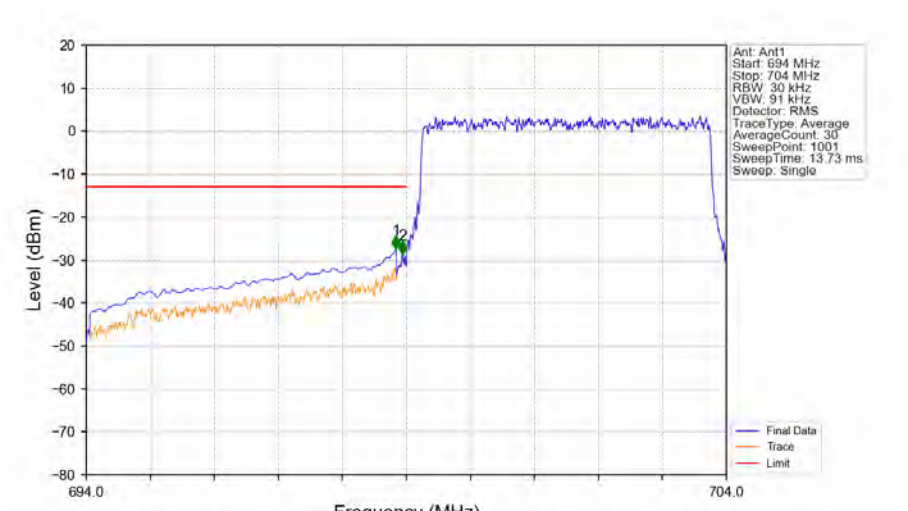


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-30.80	-13	Pass
698.9	699	0.03	/	2	698.980	-24.73	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

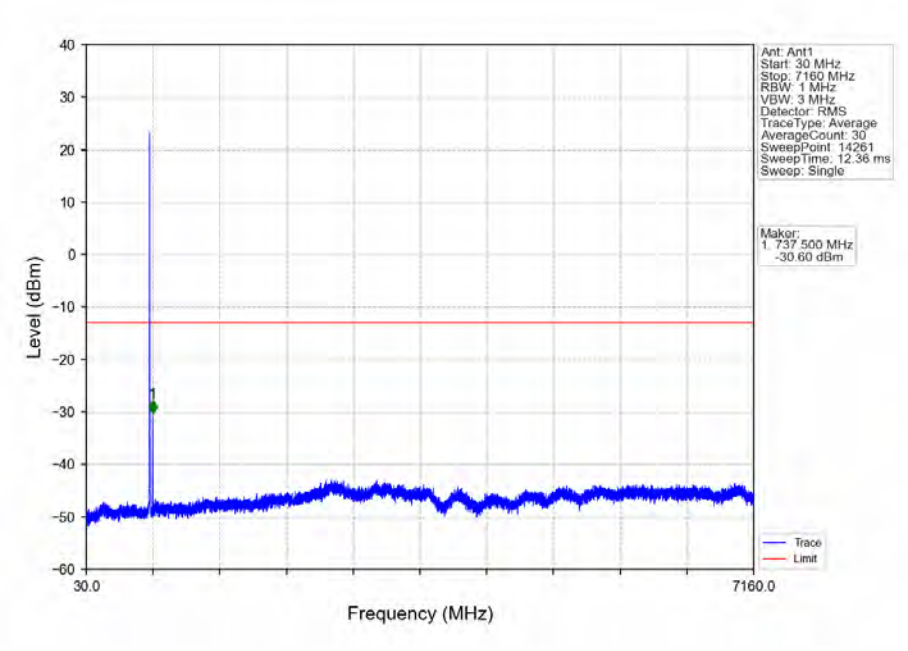


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

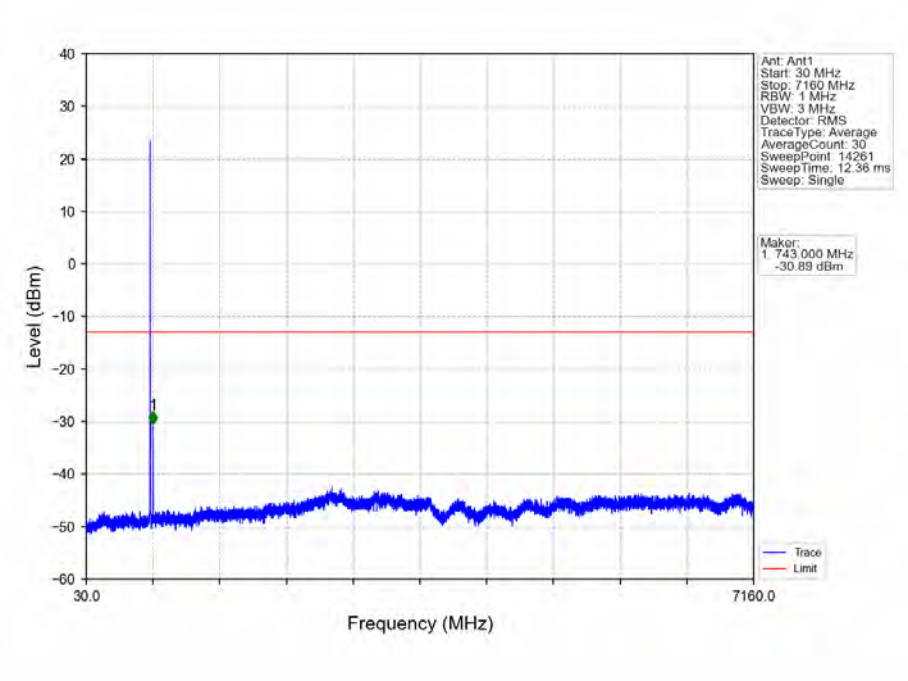


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-27.48	-13	Pass
698.9	699	0.03	/	2	698.940	-28.72	-13	Pass
699	704	0.03	/	/	/	/	/	/

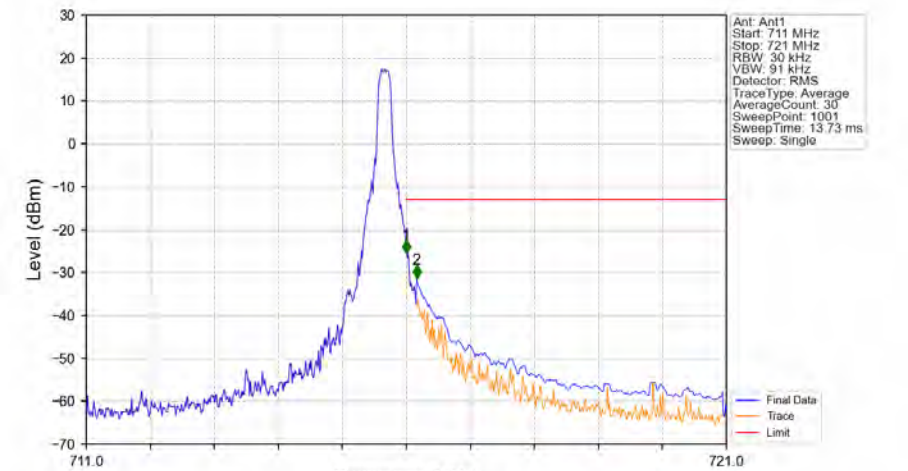
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

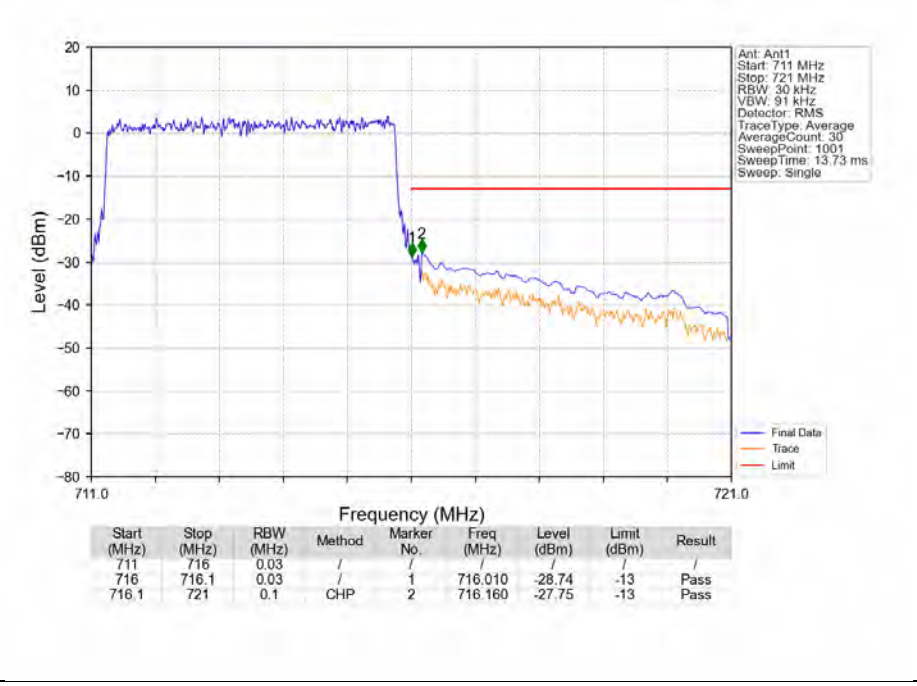


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-25.58	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.41	-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	716.010	-28.74	-13	Pass
716.1	721	0.1	CHP	2	716.160	-27.75	-13	Pass

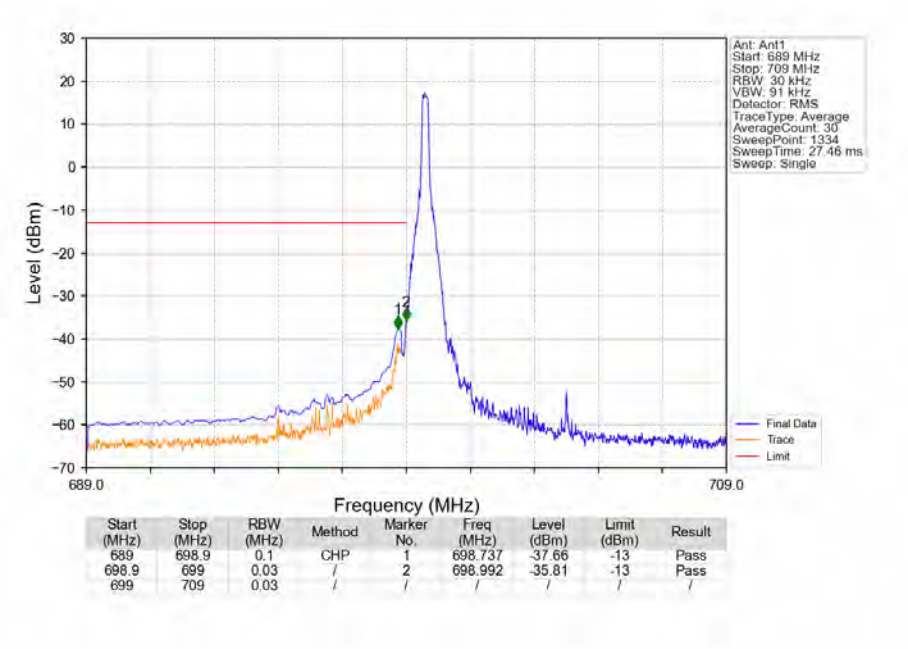
5.4 B12_10MHz

5.4.1 Test Result

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

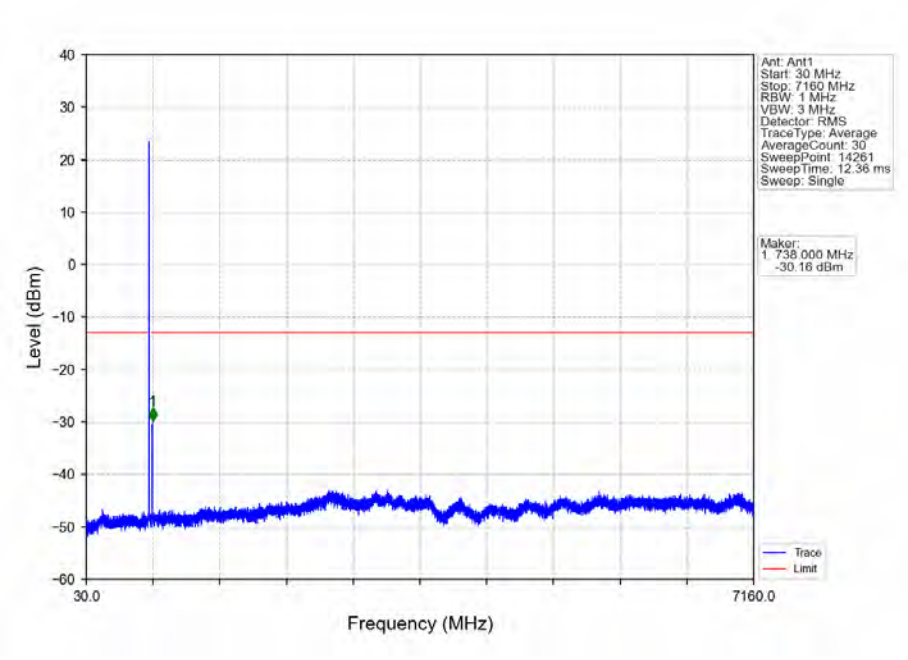
5.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

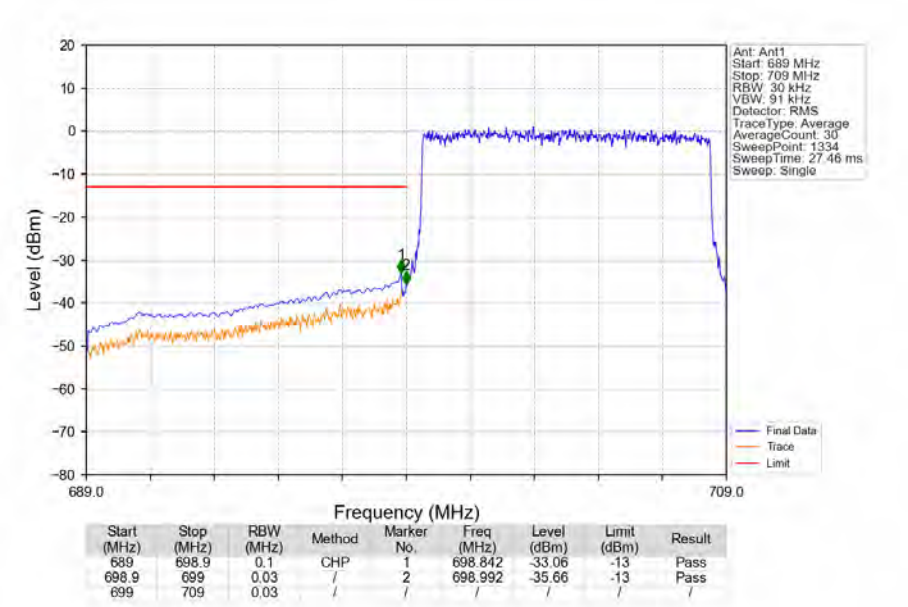


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.737	-37.66	-13	Pass
698.9	699	0.03	/	2	698.992	-35.81	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

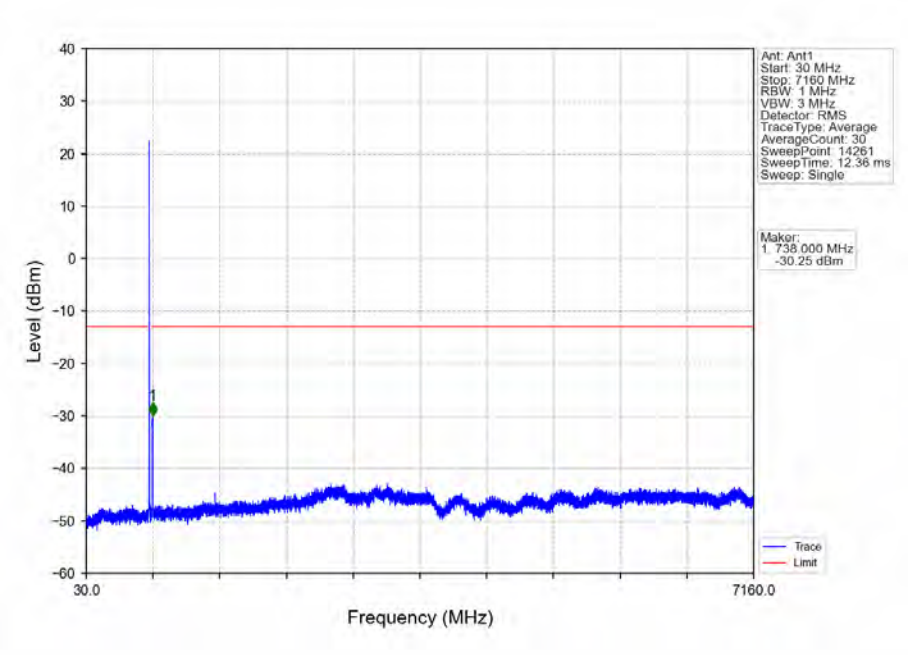


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

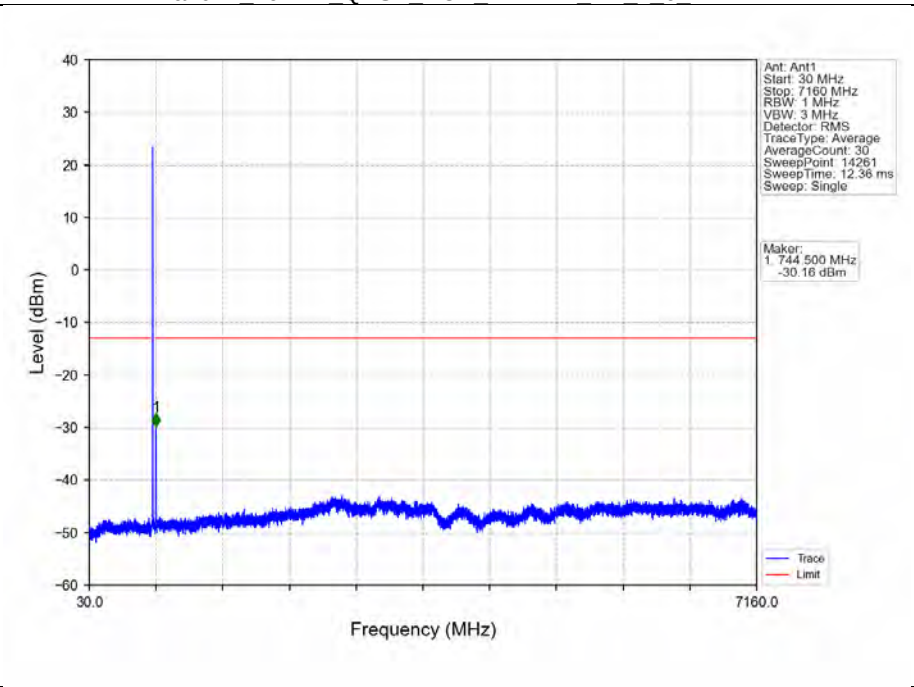


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-33.06	-13	Pass
698.9	699	0.03	/	2	698.992	-35.66	-13	Pass
699	709	0.03	/	/	/	/	/	/

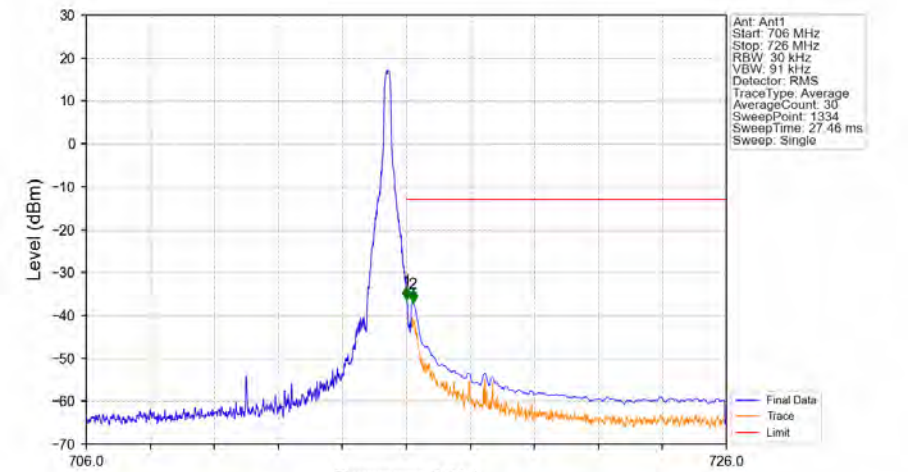
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

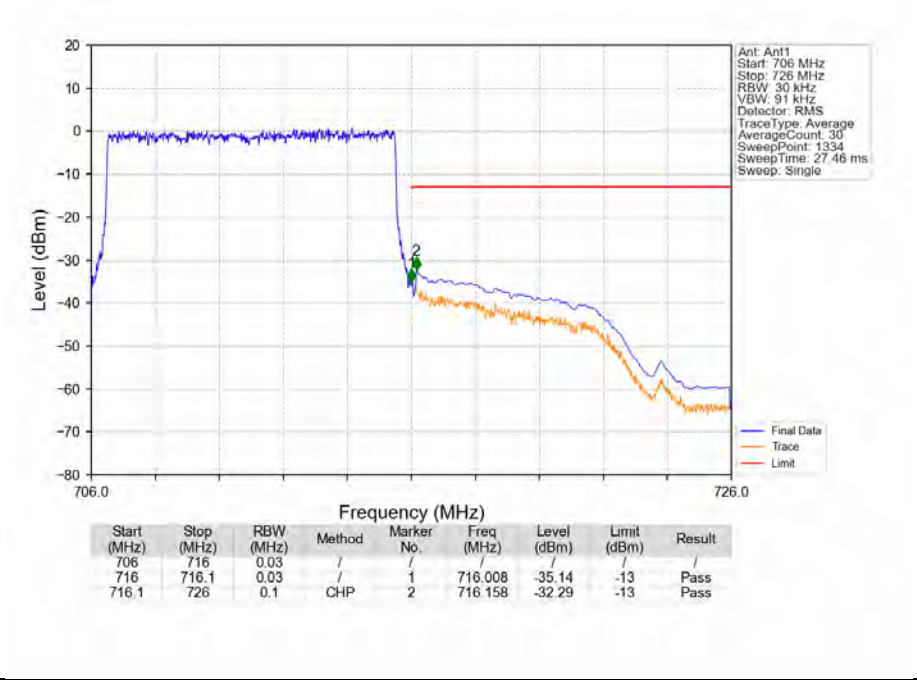


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-36.37	-13	Pass
716.1	726	0.1	CHP	2	716.203	-37.02	-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	716.008	-35.14	-13	Pass
716.1	726	0.1	CHP	2	716.158	-32.29	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 12-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	-70.24	-13	-57.24	-73.01	2.47	5.24	Horizontal	Pass
2098.5	-64.0	-13	-51.0	-66.07	2.79	4.86	Horizontal	Pass
2798.0	-68.53	-13	-55.53	-71.89	3.12	6.48	Horizontal	Pass
1399.0	-63.59	-13	-50.59	-66.36	2.47	5.24	Vertical	Pass
2098.5	-63.03	-13	-50.03	-65.1	2.79	4.86	Vertical	Pass
2798.0	-68.31	-13	-55.31	-71.67	3.12	6.48	Vertical	Pass

LTE Band 12-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	-70.54	-13	-57.54	-73.34	2.48	5.28	Horizontal	Pass
2109.0	-68.33	-13	-55.33	-70.41	2.8	4.88	Horizontal	Pass
2812.0	-69.46	-13	-56.46	-72.85	3.12	6.51	Horizontal	Pass
1406.0	-70.52	-13	-57.52	-73.32	2.48	5.28	Vertical	Pass
2109.0	-69.02	-13	-56.02	-71.1	2.8	4.88	Vertical	Pass
2812.0	-68.83	-13	-55.83	-72.22	3.12	6.51	Vertical	Pass

LTE Band 12-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	-70.83	-13	-57.83	-73.67	2.49	5.33	Horizontal	Pass
2119.5	-67.35	-13	-54.35	-69.45	2.81	4.91	Horizontal	Pass
2826.0	-68.82	-13	-55.82	-72.23	3.13	6.54	Horizontal	Pass
1413.0	-65.86	-13	-52.86	-68.7	2.49	5.33	Vertical	Pass
2119.5	-68.62	-13	-55.62	-70.72	2.81	4.91	Vertical	Pass
2826.0	-69.33	-13	-56.33	-72.74	3.13	6.54	Vertical	Pass

LTE CA_2A_12A-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**
3702.0	-62.69	-13	-49.69	-67.55	3.58	8.44	Horizontal	Pass
5553.0	-55.58	-13	-42.58	-61.29	4.74	10.45	Horizontal	Pass
7404.0	-60.37	-13	-47.37	-67.05	4.94	11.62	Horizontal	Pass
3702.0	-65.94	-13	-52.94	-70.8	3.58	8.44	Vertical	Pass
5553.0	-57.83	-13	-44.83	-63.54	4.74	10.45	Vertical	Pass
7404.0	-60.25	-13	-47.25	-66.93	4.94	11.62	Vertical	Pass

LTE CA_2A_12A -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**
3742.0	-66.78	-13	-53.78	-71.66	3.61	8.49	Horizontal	Pass
5613.0	-62.69	-13	-49.69	-68.4	4.74	10.45	Horizontal	Pass
7484.0	-60.8	-13	-47.8	-67.58	4.94	11.72	Horizontal	Pass
3742.0	-67.0	-13	-54.0	-71.88	3.61	8.49	Vertical	Pass
5613.0	-62.57	-13	-49.57	-68.28	4.74	10.45	Vertical	Pass
7484.0	-61.18	-13	-48.18	-67.96	4.94	11.72	Vertical	Pass

LTE CA_2A_12A -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**
3782.0	-66.68	-13	-53.68	-71.58	3.65	8.55	Horizontal	Pass
5673.0	-63.06	-13	-50.06	-68.76	4.75	10.45	Horizontal	Pass
7564.0	-60.91	-13	-47.91	-67.78	4.95	11.82	Horizontal	Pass
3782.0	-66.67	-13	-53.67	-71.57	3.65	8.55	Vertical	Pass
5673.0	-62.38	-13	-49.38	-68.08	4.75	10.45	Vertical	Pass
7564.0	-60.68	-13	-47.68	-67.55	4.95	11.82	Vertical	Pass

LTE CA_4A_12A-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**
3422.0	-64.57	-13	-51.57	-69.19	3.36	7.98	Horizontal	Pass
5133.0	-57.7	-13	-44.7	-63.31	4.61	10.22	Horizontal	Pass
6844.0	-60.5	-13	-47.5	-66.53	4.9	10.93	Horizontal	Pass
3422.0	-63.21	-13	-50.21	-67.83	3.36	7.98	Vertical	Pass
5133.0	-55.33	-13	-42.33	-60.94	4.61	10.22	Vertical	Pass
6844.0	-58.44	-13	-45.44	-64.47	4.9	10.93	Vertical	Pass

LTE CA_4A_12A -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**
3447.0	-67.03	-13	-54.03	-71.7	3.37	8.04	Horizontal	Pass
5170.5	-62.61	-13	-49.61	-68.24	4.62	10.25	Horizontal	Pass
6894.0	-61.42	-13	-48.42	-67.51	4.9	10.99	Horizontal	Pass
3447.0	-67.13	-13	-54.13	-71.8	3.37	8.04	Vertical	Pass
5170.5	-58.93	-13	-45.93	-64.56	4.62	10.25	Vertical	Pass
6894.0	-61.19	-13	-48.19	-67.28	4.9	10.99	Vertical	Pass

LTE CA_4A_12A -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**
3472.0	-67.16	-13	-54.16	-71.87	3.39	8.1	Horizontal	Pass
5208.0	-63.06	-13	-50.06	-68.69	4.64	10.27	Horizontal	Pass
6944.0	-60.87	-13	-47.87	-67.02	4.91	11.06	Horizontal	Pass
3472.0	-67.48	-13	-54.48	-72.19	3.39	8.1	Vertical	Pass
5208.0	-61.9	-13	-48.9	-67.53	4.64	10.27	Vertical	Pass
6944.0	-61.59	-13	-48.59	-67.74	4.91	11.06	Vertical	Pass