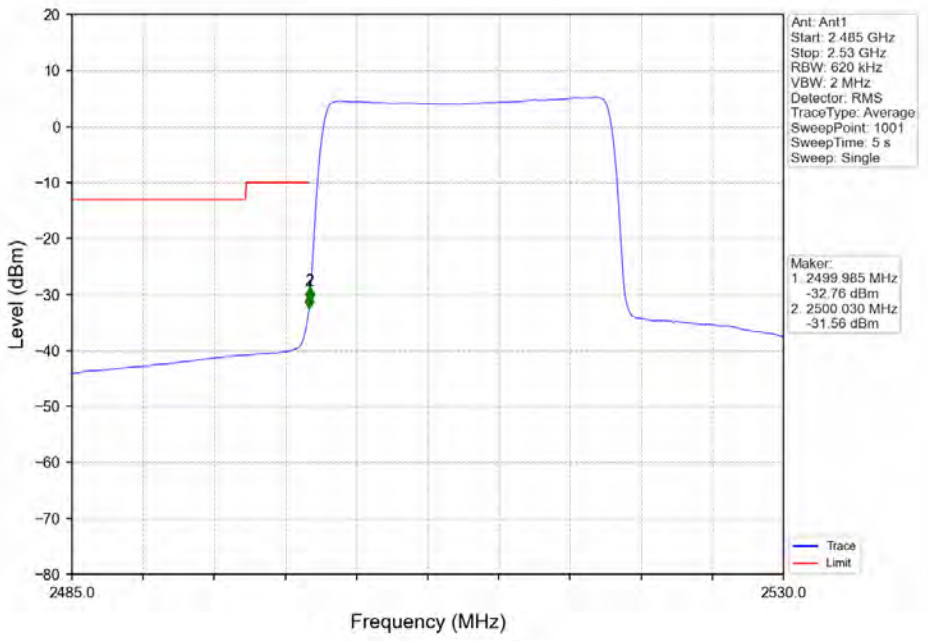
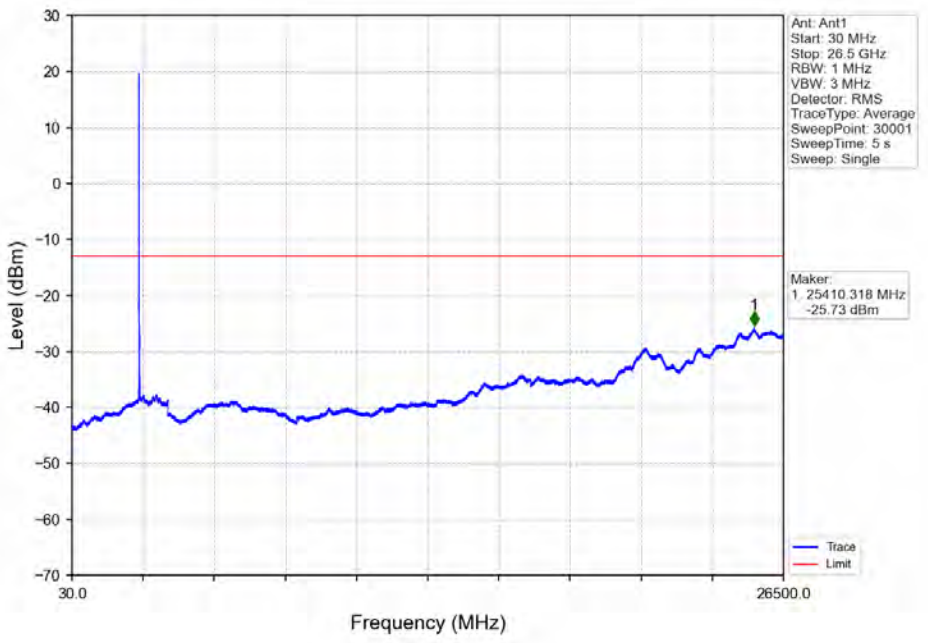
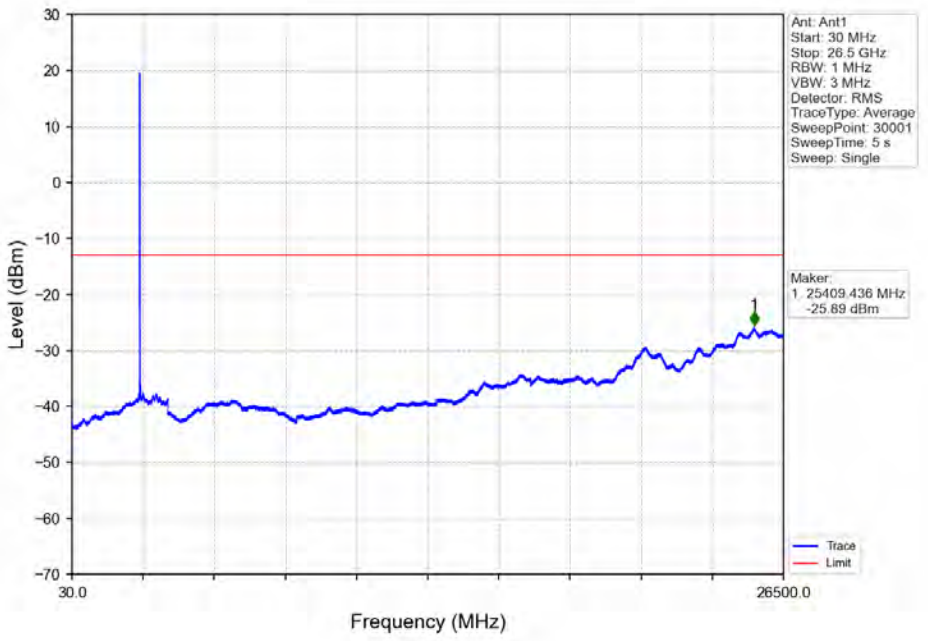
Band7_20MHz_64QAM_LCH_2510MHz_RB_100_0_NTNV



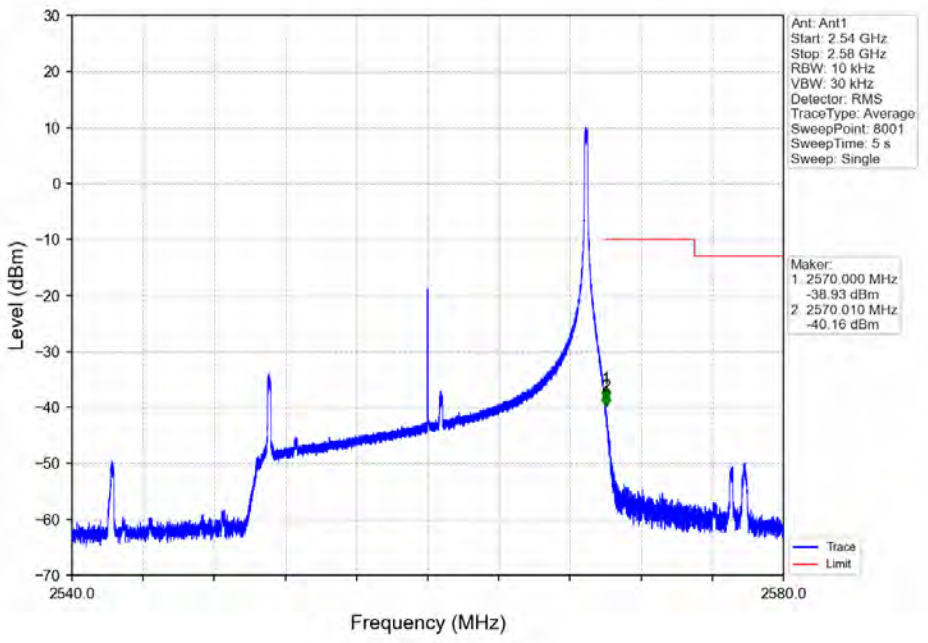
Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



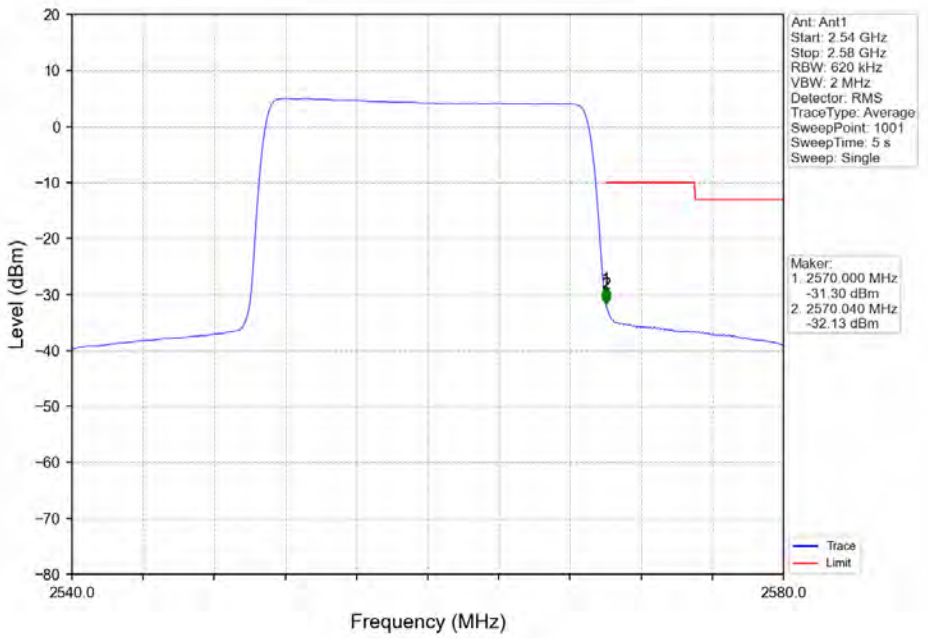
Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_64QAM_HCH_2560MHz_RB_1_99_NTNV



Band7_20MHz_64QAM_HCH_2560MHz_RB_100_0_NTNV



LTE BAND 12

FREQUENCY STABILITY B12_1.4MHZ 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	2.26	0.00	-2.5 to 2.5	Pass
					3.85	5.24	0.01	-2.5 to 2.5	Pass
					4.43	6.44	0.01	-2.5 to 2.5	Pass
				-30	3.85	6.17	0.01	-2.5 to 2.5	Pass
				-20	3.85	5.52	0.01	-2.5 to 2.5	Pass
				-10	3.85	3.96	0.01	-2.5 to 2.5	Pass
				0	3.85	2.95	0.00	-2.5 to 2.5	Pass
				10	3.85	1.14	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.06	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.71	-0.01	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.29	0.00	-2.5 to 2.5	Pass
					3.85	-2.60	-0.00	-2.5 to 2.5	Pass
					4.43	-2.93	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-5.46	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-9.48	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-12.39	-0.02	-2.5 to 2.5	Pass
				0	3.85	-14.38	-0.02	-2.5 to 2.5	Pass
				10	3.85	-18.54	-0.03	-2.5 to 2.5	Pass
				30	3.85	-20.06	-0.03	-2.5 to 2.5	Pass
				40	3.85	-26.08	-0.04	-2.5 to 2.5	Pass
				50	3.85	-28.21	-0.04	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	3.43	0.00	-2.5 to 2.5	Pass
					3.85	0.84	0.00	-2.5 to 2.5	Pass
					4.43	-0.14	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.50	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.45	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.59	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.67	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.83	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.77	-0.00	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-7.31	-0.01	-2.5 to 2.5	Pass
					3.85	-9.23	-0.01	-2.5 to 2.5	Pass
					4.43	-8.90	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-8.53	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-9.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.57	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.12	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.78	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.57	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.77	-0.01	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-31.82	-0.04	-2.5 to 2.5	Pass
					3.85	-35.65	-0.05	-2.5 to 2.5	Pass
					4.43	-35.65	-0.05	-2.5 to 2.5	Pass
				-30	3.85	-36.59	-0.05	-2.5 to 2.5	Pass
				-20	3.85	-38.59	-0.05	-2.5 to 2.5	Pass
				-10	3.85	-40.71	-0.06	-2.5 to 2.5	Pass

				0	3.85	-43.13	-0.06	-2.5 to 2.5	Pass
				10	3.85	7.11	0.01	-2.5 to 2.5	Pass
				30	3.85	6.54	0.01	-2.5 to 2.5	Pass
				40	3.85	5.15	0.01	-2.5 to 2.5	Pass
				50	3.85	3.93	0.01	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-2.23	-0.00	-2.5 to 2.5	Pass
					3.85	-0.97	-0.00	-2.5 to 2.5	Pass
					4.43	1.93	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.76	0.01	-2.5 to 2.5	Pass
				-20	3.85	2.29	0.00	-2.5 to 2.5	Pass
				-10	3.85	4.39	0.01	-2.5 to 2.5	Pass
				0	3.85	5.99	0.01	-2.5 to 2.5	Pass
				10	3.85	4.95	0.01	-2.5 to 2.5	Pass
				30	3.85	8.20	0.01	-2.5 to 2.5	Pass
				40	3.85	9.96	0.01	-2.5 to 2.5	Pass
				50	3.85	12.72	0.02	-2.5 to 2.5	Pass
64QAM	699.7	6	0	20	3.27	-7.04	-0.01	-2.5 to 2.5	Pass
					3.85	-4.56	-0.01	-2.5 to 2.5	Pass
					4.43	-3.55	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-3.60	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-2.22	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.06	0.00	-2.5 to 2.5	Pass
				0	3.85	3.35	0.00	-2.5 to 2.5	Pass
				10	3.85	5.69	0.01	-2.5 to 2.5	Pass
				30	3.85	4.62	0.01	-2.5 to 2.5	Pass
				40	3.85	4.96	0.01	-2.5 to 2.5	Pass
				50	3.85	3.60	0.01	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	3.22	0.00	-2.5 to 2.5	Pass
					3.85	3.82	0.01	-2.5 to 2.5	Pass
					4.43	6.05	0.01	-2.5 to 2.5	Pass
				-30	3.85	6.58	0.01	-2.5 to 2.5	Pass
				-20	3.85	7.50	0.01	-2.5 to 2.5	Pass
				-10	3.85	8.71	0.01	-2.5 to 2.5	Pass
				0	3.85	9.27	0.01	-2.5 to 2.5	Pass
				10	3.85	8.07	0.01	-2.5 to 2.5	Pass
				30	3.85	9.21	0.01	-2.5 to 2.5	Pass
				40	3.85	10.17	0.01	-2.5 to 2.5	Pass
				50	3.85	12.32	0.02	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	14.13	0.02	-2.5 to 2.5	Pass
					3.85	16.36	0.02	-2.5 to 2.5	Pass
					4.43	18.07	0.03	-2.5 to 2.5	Pass
				-30	3.85	20.31	0.03	-2.5 to 2.5	Pass
				-20	3.85	22.92	0.03	-2.5 to 2.5	Pass
				-10	3.85	25.71	0.04	-2.5 to 2.5	Pass
				0	3.85	30.04	0.04	-2.5 to 2.5	Pass
				10	3.85	31.99	0.04	-2.5 to 2.5	Pass
				30	3.85	33.55	0.05	-2.5 to 2.5	Pass
				40	3.85	38.52	0.05	-2.5 to 2.5	Pass
				50	3.85	39.93	0.06	-2.5 to 2.5	Pass

B12_3MHZ 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	17.45	0.02	-2.5 to 2.5	Pass
					3.85	20.46	0.03	-2.5 to 2.5	Pass
					4.43	21.40	0.03	-2.5 to 2.5	Pass
				-30	3.85	21.82	0.03	-2.5 to 2.5	Pass
				-20	3.85	20.17	0.03	-2.5 to 2.5	Pass
				-10	3.85	18.73	0.03	-2.5 to 2.5	Pass
				0	3.85	14.99	0.02	-2.5 to 2.5	Pass
				10	3.85	12.49	0.02	-2.5 to 2.5	Pass
				30	3.85	9.24	0.01	-2.5 to 2.5	Pass
				40	3.85	8.77	0.01	-2.5 to 2.5	Pass
				50	3.85	6.77	0.01	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	4.16	0.01	-2.5 to 2.5	Pass
					3.85	4.51	0.01	-2.5 to 2.5	Pass
					4.43	5.05	0.01	-2.5 to 2.5	Pass
				-30	3.85	5.21	0.01	-2.5 to 2.5	Pass
				-20	3.85	2.00	0.00	-2.5 to 2.5	Pass
				-10	3.85	0.04	0.00	-2.5 to 2.5	Pass
				0	3.85	-3.89	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.08	-0.01	-2.5 to 2.5	Pass
				30	3.85	-10.27	-0.01	-2.5 to 2.5	Pass
				40	3.85	-16.12	-0.02	-2.5 to 2.5	Pass
				50	3.85	-17.80	-0.03	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-4.72	-0.01	-2.5 to 2.5	Pass
					3.85	-4.71	-0.01	-2.5 to 2.5	Pass
					4.43	-5.02	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-9.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.67	-0.01	-2.5 to 2.5	Pass
				0	3.85	-11.29	-0.02	-2.5 to 2.5	Pass
				10	3.85	-14.28	-0.02	-2.5 to 2.5	Pass
				30	3.85	-16.14	-0.02	-2.5 to 2.5	Pass
				40	3.85	-18.17	-0.03	-2.5 to 2.5	Pass
				50	3.85	-16.58	-0.02	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	5.94	0.01	-2.5 to 2.5	Pass
					3.85	6.87	0.01	-2.5 to 2.5	Pass
					4.43	5.06	0.01	-2.5 to 2.5	Pass
				-30	3.85	7.80	0.01	-2.5 to 2.5	Pass
				-20	3.85	8.31	0.01	-2.5 to 2.5	Pass
				-10	3.85	7.58	0.01	-2.5 to 2.5	Pass
				0	3.85	9.03	0.01	-2.5 to 2.5	Pass
				10	3.85	10.03	0.01	-2.5 to 2.5	Pass
				30	3.85	8.94	0.01	-2.5 to 2.5	Pass
				40	3.85	10.59	0.02	-2.5 to 2.5	Pass
				50	3.85	11.24	0.02	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-22.26	-0.03	-2.5 to 2.5	Pass
					3.85	-24.93	-0.04	-2.5 to 2.5	Pass
					4.43	-28.48	-0.04	-2.5 to 2.5	Pass
				-30	3.85	-29.44	-0.04	-2.5 to 2.5	Pass
				-20	3.85	-32.19	-0.05	-2.5 to 2.5	Pass
				-10	3.85	-32.86	-0.05	-2.5 to 2.5	Pass
				0	3.85	-32.53	-0.05	-2.5 to 2.5	Pass
				10	3.85	-32.24	-0.05	-2.5 to 2.5	Pass
				30	3.85	-35.23	-0.05	-2.5 to 2.5	Pass
				40	3.85	-33.45	-0.05	-2.5 to 2.5	Pass
				50	3.85	-34.16	-0.05	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-15.45	-0.02	-2.5 to 2.5	Pass
					3.85	-16.09	-0.02	-2.5 to 2.5	Pass

					4.43	-16.16	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-17.77	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-15.56	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-15.75	-0.02	-2.5 to 2.5	Pass
				0	3.85	-14.06	-0.02	-2.5 to 2.5	Pass
				10	3.85	-14.06	-0.02	-2.5 to 2.5	Pass
				30	3.85	-12.72	-0.02	-2.5 to 2.5	Pass
				40	3.85	-14.03	-0.02	-2.5 to 2.5	Pass
				50	3.85	-15.82	-0.02	-2.5 to 2.5	Pass
64QAM	700.5	15	0	20	3.27	13.18	0.02	-2.5 to 2.5	Pass
					3.85	14.55	0.02	-2.5 to 2.5	Pass
					4.43	16.27	0.02	-2.5 to 2.5	Pass
				-30	3.85	18.60	0.03	-2.5 to 2.5	Pass
				-20	3.85	17.95	0.03	-2.5 to 2.5	Pass
				-10	3.85	21.00	0.03	-2.5 to 2.5	Pass
				0	3.85	21.83	0.03	-2.5 to 2.5	Pass
				10	3.85	23.57	0.03	-2.5 to 2.5	Pass
				30	3.85	23.83	0.03	-2.5 to 2.5	Pass
				40	3.85	25.18	0.04	-2.5 to 2.5	Pass
				50	3.85	23.96	0.03	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-32.31	-0.05	-2.5 to 2.5	Pass
					3.85	-29.35	-0.04	-2.5 to 2.5	Pass
					4.43	-28.84	-0.04	-2.5 to 2.5	Pass
				-30	3.85	-29.27	-0.04	-2.5 to 2.5	Pass
				-20	3.85	-28.20	-0.04	-2.5 to 2.5	Pass
				-10	3.85	-25.08	-0.04	-2.5 to 2.5	Pass
				0	3.85	-22.69	-0.03	-2.5 to 2.5	Pass
				10	3.85	-22.16	-0.03	-2.5 to 2.5	Pass
				30	3.85	-19.38	-0.03	-2.5 to 2.5	Pass
				40	3.85	-18.00	-0.03	-2.5 to 2.5	Pass
				50	3.85	-18.88	-0.03	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-13.12	-0.02	-2.5 to 2.5	Pass
					3.85	-10.27	-0.01	-2.5 to 2.5	Pass
					4.43	-8.01	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-5.25	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-4.55	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-0.96	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.23	0.00	-2.5 to 2.5	Pass
				30	3.85	4.58	0.01	-2.5 to 2.5	Pass
				40	3.85	5.91	0.01	-2.5 to 2.5	Pass
				50	3.85	7.87	0.01	-2.5 to 2.5	Pass

B12_5MHZ 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	-1.14	-0.00	-2.5 to 2.5	Pass
					3.85	3.82	0.01	-2.5 to 2.5	Pass
					4.43	6.50	0.01	-2.5 to 2.5	Pass
				-30	3.85	8.78	0.01	-2.5 to 2.5	Pass
				-20	3.85	6.22	0.01	-2.5 to 2.5	Pass
				-10	3.85	2.16	0.00	-2.5 to 2.5	Pass
				0	3.85	2.09	0.00	-2.5 to 2.5	Pass
				10	3.85	-1.79	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.08	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.80	-0.01	-2.5 to 2.5	Pass
				50	3.85	-9.63	-0.01	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-7.85	-0.01	-2.5 to 2.5	Pass
					3.85	-7.35	-0.01	-2.5 to 2.5	Pass
					4.43	-11.46	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-8.55	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-10.71	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-16.74	-0.02	-2.5 to 2.5	Pass
				0	3.85	-19.21	-0.03	-2.5 to 2.5	Pass
				10	3.85	-20.96	-0.03	-2.5 to 2.5	Pass
				30	3.85	-23.93	-0.03	-2.5 to 2.5	Pass
				40	3.85	-27.70	-0.04	-2.5 to 2.5	Pass
				50	3.85	-32.63	-0.05	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	4.69	0.01	-2.5 to 2.5	Pass
					3.85	4.49	0.01	-2.5 to 2.5	Pass
					4.43	5.08	0.01	-2.5 to 2.5	Pass
				-30	3.85	6.94	0.01	-2.5 to 2.5	Pass
				-20	3.85	4.51	0.01	-2.5 to 2.5	Pass
				-10	3.85	2.93	0.00	-2.5 to 2.5	Pass
				0	3.85	1.76	0.00	-2.5 to 2.5	Pass
				10	3.85	0.93	0.00	-2.5 to 2.5	Pass
				30	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.82	-0.01	-2.5 to 2.5	Pass
				50	3.85	-8.27	-0.01	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-13.20	-0.02	-2.5 to 2.5	Pass
					3.85	-14.03	-0.02	-2.5 to 2.5	Pass
					4.43	-17.22	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-18.43	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-19.57	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-17.85	-0.03	-2.5 to 2.5	Pass
				0	3.85	-18.62	-0.03	-2.5 to 2.5	Pass
				10	3.85	-18.15	-0.03	-2.5 to 2.5	Pass
				30	3.85	-18.70	-0.03	-2.5 to 2.5	Pass
				40	3.85	-19.60	-0.03	-2.5 to 2.5	Pass
				50	3.85	-21.53	-0.03	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-35.78	-0.05	-2.5 to 2.5	Pass
					3.85	-38.88	-0.06	-2.5 to 2.5	Pass
					4.43	-39.30	-0.06	-2.5 to 2.5	Pass
				-30	3.85	-41.76	-0.06	-2.5 to 2.5	Pass
				-20	3.85	-44.37	-0.06	-2.5 to 2.5	Pass
				-10	3.85	-40.45	-0.06	-2.5 to 2.5	Pass
				0	3.85	8.91	0.01	-2.5 to 2.5	Pass
				10	3.85	8.64	0.01	-2.5 to 2.5	Pass
				30	3.85	8.34	0.01	-2.5 to 2.5	Pass
				40	3.85	7.55	0.01	-2.5 to 2.5	Pass
				50	3.85	7.85	0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-8.94	-0.01	-2.5 to 2.5	Pass
					3.85	-10.81	-0.02	-2.5 to 2.5	Pass

					4.43	-12.83	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-12.26	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-11.06	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-11.00	-0.02	-2.5 to 2.5	Pass
				0	3.85	-9.60	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.33	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.83	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.22	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.92	-0.01	-2.5 to 2.5	Pass
64QAM	701.5	25	0	20	3.27	-19.53	-0.03	-2.5 to 2.5	Pass
					3.85	-16.36	-0.02	-2.5 to 2.5	Pass
					4.43	-17.27	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-16.39	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-15.58	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-14.81	-0.02	-2.5 to 2.5	Pass
				0	3.85	-14.61	-0.02	-2.5 to 2.5	Pass
				10	3.85	-15.21	-0.02	-2.5 to 2.5	Pass
				30	3.85	-11.34	-0.02	-2.5 to 2.5	Pass
				40	3.85	-12.22	-0.02	-2.5 to 2.5	Pass
				50	3.85	-8.30	-0.01	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	7.95	0.01	-2.5 to 2.5	Pass
					3.85	7.45	0.01	-2.5 to 2.5	Pass
					4.43	6.81	0.01	-2.5 to 2.5	Pass
				-30	3.85	6.08	0.01	-2.5 to 2.5	Pass
				-20	3.85	5.16	0.01	-2.5 to 2.5	Pass
				-10	3.85	8.81	0.01	-2.5 to 2.5	Pass
				0	3.85	11.47	0.02	-2.5 to 2.5	Pass
				10	3.85	13.79	0.02	-2.5 to 2.5	Pass
				30	3.85	14.32	0.02	-2.5 to 2.5	Pass
				40	3.85	13.88	0.02	-2.5 to 2.5	Pass
				50	3.85	15.05	0.02	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-4.99	-0.01	-2.5 to 2.5	Pass
					3.85	-4.21	-0.01	-2.5 to 2.5	Pass
					4.43	-0.67	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.37	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.99	0.00	-2.5 to 2.5	Pass
				-10	3.85	2.63	0.00	-2.5 to 2.5	Pass
				0	3.85	3.71	0.01	-2.5 to 2.5	Pass
				10	3.85	7.52	0.01	-2.5 to 2.5	Pass
				30	3.85	10.33	0.01	-2.5 to 2.5	Pass
				40	3.85	13.09	0.02	-2.5 to 2.5	Pass
				50	3.85	13.70	0.02	-2.5 to 2.5	Pass

B12_10MHZ 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	9.05	0.01	-2.5 to 2.5	Pass
					3.85	11.19	0.02	-2.5 to 2.5	Pass
					4.43	12.03	0.02	-2.5 to 2.5	Pass
				-30	3.85	11.60	0.02	-2.5 to 2.5	Pass
				-20	3.85	9.57	0.01	-2.5 to 2.5	Pass
				-10	3.85	2.62	0.00	-2.5 to 2.5	Pass
				0	3.85	-1.36	-0.00	-2.5 to 2.5	Pass
				10	3.85	-4.99	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.28	-0.01	-2.5 to 2.5	Pass
				40	3.85	-9.18	-0.01	-2.5 to 2.5	Pass
				50	3.85	-13.52	-0.02	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-2.35	-0.00	-2.5 to 2.5	Pass
					3.85	-6.35	-0.01	-2.5 to 2.5	Pass
					4.43	-11.53	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-18.43	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-25.02	-0.04	-2.5 to 2.5	Pass
				-10	3.85	-29.53	-0.04	-2.5 to 2.5	Pass
				0	3.85	-35.42	-0.05	-2.5 to 2.5	Pass
				10	3.85	-41.26	-0.06	-2.5 to 2.5	Pass
				30	3.85	-41.86	-0.06	-2.5 to 2.5	Pass
				40	3.85	-5.11	-0.01	-2.5 to 2.5	Pass
				50	3.85	-9.67	-0.01	-2.5 to 2.5	Pass
	711	50	0	20	3.27	3.23	0.00	-2.5 to 2.5	Pass
					3.85	1.56	0.00	-2.5 to 2.5	Pass
					4.43	-2.56	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-6.59	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-12.67	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-17.24	-0.02	-2.5 to 2.5	Pass
				0	3.85	-29.14	-0.04	-2.5 to 2.5	Pass
				10	3.85	-32.39	-0.05	-2.5 to 2.5	Pass
				30	3.85	-39.00	-0.05	-2.5 to 2.5	Pass
				40	3.85	-18.67	-0.03	-2.5 to 2.5	Pass
				50	3.85	-6.92	-0.01	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-17.47	-0.02	-2.5 to 2.5	Pass
					3.85	-18.77	-0.03	-2.5 to 2.5	Pass
					4.43	-17.62	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-15.26	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-15.81	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-14.83	-0.02	-2.5 to 2.5	Pass
				0	3.85	-15.78	-0.02	-2.5 to 2.5	Pass
				10	3.85	-17.09	-0.02	-2.5 to 2.5	Pass
				30	3.85	-15.76	-0.02	-2.5 to 2.5	Pass
				40	3.85	-17.82	-0.03	-2.5 to 2.5	Pass
				50	3.85	-17.02	-0.02	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-16.57	-0.02	-2.5 to 2.5	Pass
					3.85	-19.64	-0.03	-2.5 to 2.5	Pass
					4.43	-20.83	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-21.34	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-21.99	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-22.60	-0.03	-2.5 to 2.5	Pass
				0	3.85	-23.39	-0.03	-2.5 to 2.5	Pass
				10	3.85	-23.75	-0.03	-2.5 to 2.5	Pass
				30	3.85	-24.43	-0.03	-2.5 to 2.5	Pass
				40	3.85	-23.63	-0.03	-2.5 to 2.5	Pass
				50	3.85	-24.88	-0.04	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-9.40	-0.01	-2.5 to 2.5	Pass
					3.85	-12.63	-0.02	-2.5 to 2.5	Pass

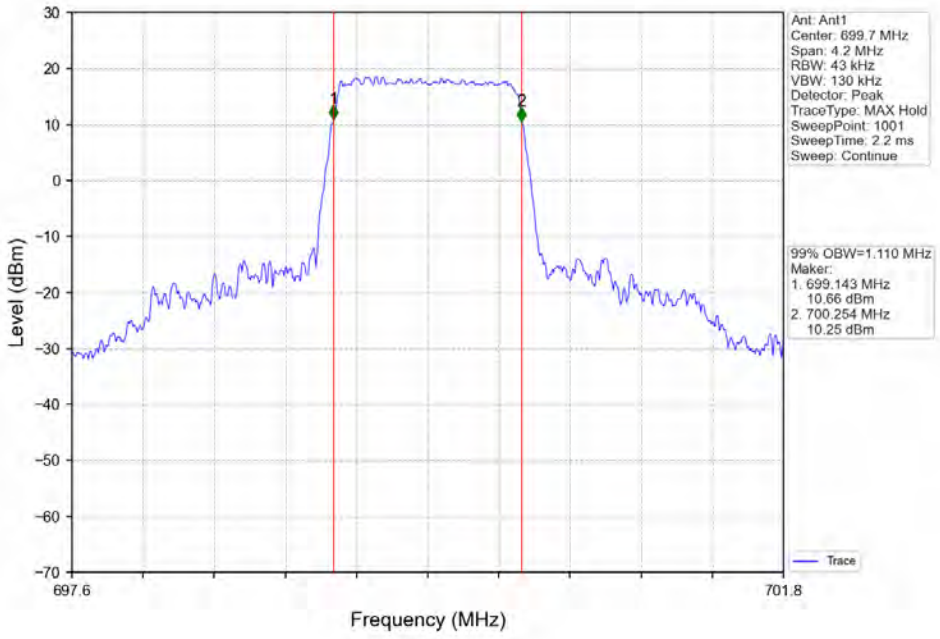
					4.43	-13.28	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-11.34	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-10.91	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-12.77	-0.02	-2.5 to 2.5	Pass
				0	3.85	-14.38	-0.02	-2.5 to 2.5	Pass
				10	3.85	-12.57	-0.02	-2.5 to 2.5	Pass
				30	3.85	-11.72	-0.02	-2.5 to 2.5	Pass
				40	3.85	-11.86	-0.02	-2.5 to 2.5	Pass
				50	3.85	-11.95	-0.02	-2.5 to 2.5	Pass
64QAM	704	50	0	20	3.27	-15.68	-0.02	-2.5 to 2.5	Pass
					3.85	-12.83	-0.02	-2.5 to 2.5	Pass
					4.43	-10.20	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-12.09	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-9.03	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.42	-0.01	-2.5 to 2.5	Pass
				0	3.85	-1.12	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.16	0.00	-2.5 to 2.5	Pass
				30	3.85	3.60	0.01	-2.5 to 2.5	Pass
				40	3.85	7.61	0.01	-2.5 to 2.5	Pass
				50	3.85	7.25	0.01	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-24.99	-0.04	-2.5 to 2.5	Pass
					3.85	-22.09	-0.03	-2.5 to 2.5	Pass
					4.43	-20.53	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-21.54	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-19.83	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-19.23	-0.03	-2.5 to 2.5	Pass
				0	3.85	-19.44	-0.03	-2.5 to 2.5	Pass
				10	3.85	-16.74	-0.02	-2.5 to 2.5	Pass
				30	3.85	-19.88	-0.03	-2.5 to 2.5	Pass
				40	3.85	-18.32	-0.03	-2.5 to 2.5	Pass
				50	3.85	-16.94	-0.02	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-10.50	-0.01	-2.5 to 2.5	Pass
					3.85	-6.65	-0.01	-2.5 to 2.5	Pass
					4.43	-6.25	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-2.03	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.52	-0.00	-2.5 to 2.5	Pass
				-10	3.85	1.13	0.00	-2.5 to 2.5	Pass
				0	3.85	6.01	0.01	-2.5 to 2.5	Pass
				10	3.85	6.70	0.01	-2.5 to 2.5	Pass
				30	3.85	7.21	0.01	-2.5 to 2.5	Pass
				40	3.85	10.17	0.01	-2.5 to 2.5	Pass
				50	3.85	10.07	0.01	-2.5 to 2.5	Pass

99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

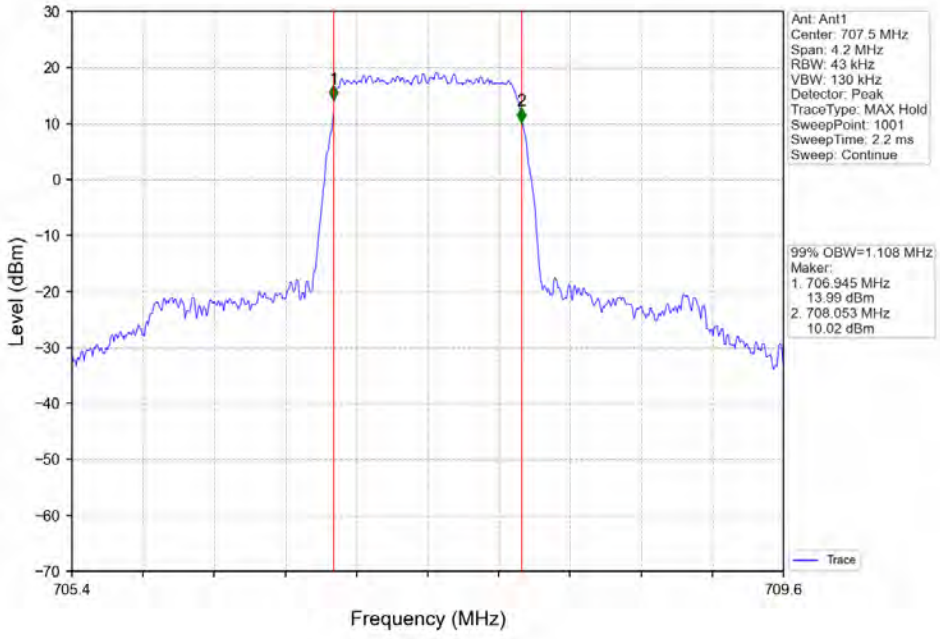
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.110	Pass
		707.5	6	0	1.108	Pass
		715.3	6	0	1.113	Pass
	16QAM	699.7	6	0	1.110	Pass
		707.5	6	0	1.119	Pass
		715.3	6	0	1.121	Pass
	64QAM	699.7	6	0	1.111	Pass
		707.5	6	0	1.106	Pass
		715.3	6	0	1.109	Pass
3	QPSK	700.5	15	0	2.747	Pass
		707.5	15	0	2.766	Pass
		714.5	15	0	2.767	Pass
	16QAM	700.5	15	0	2.750	Pass
		707.5	15	0	2.749	Pass
		714.5	15	0	2.769	Pass
	64QAM	700.5	15	0	2.765	Pass
		707.5	15	0	2.748	Pass
		714.5	15	0	2.755	Pass
5	QPSK	701.5	25	0	4.574	Pass
		707.5	25	0	4.564	Pass
		713.5	25	0	4.549	Pass
	16QAM	701.5	25	0	4.560	Pass
		707.5	25	0	4.572	Pass
		713.5	25	0	4.545	Pass
	64QAM	701.5	25	0	4.549	Pass
		707.5	25	0	4.559	Pass
		713.5	25	0	4.542	Pass
10	QPSK	704	50	0	9.073	Pass
		707.5	50	0	9.082	Pass
		711	50	0	9.078	Pass
	16QAM	704	50	0	9.073	Pass
		707.5	50	0	9.096	Pass
		711	50	0	9.075	Pass
	64QAM	704	50	0	9.060	Pass
		707.5	50	0	9.064	Pass
		711	50	0	9.087	Pass

TEST GRAPH

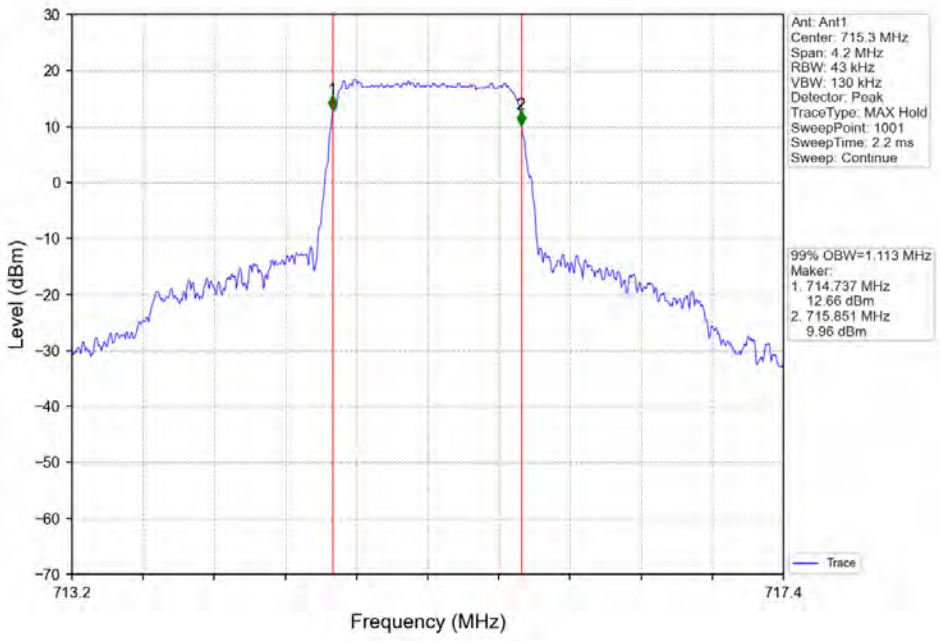
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



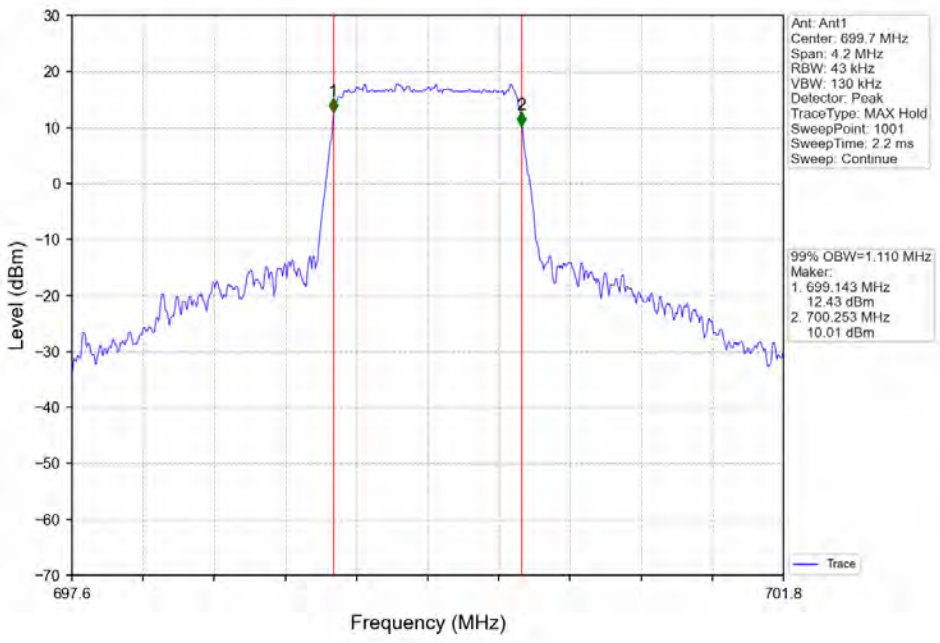
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



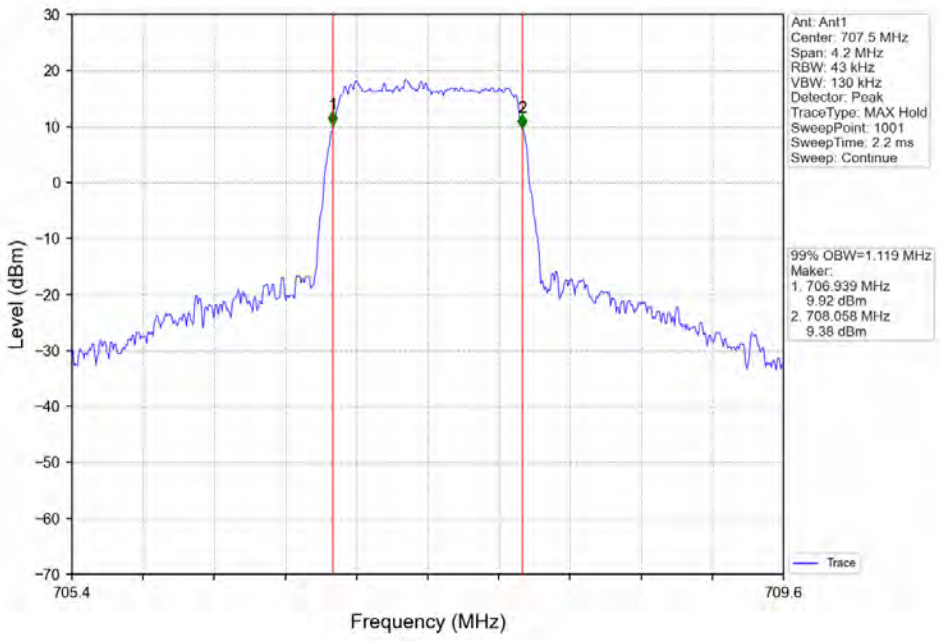
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



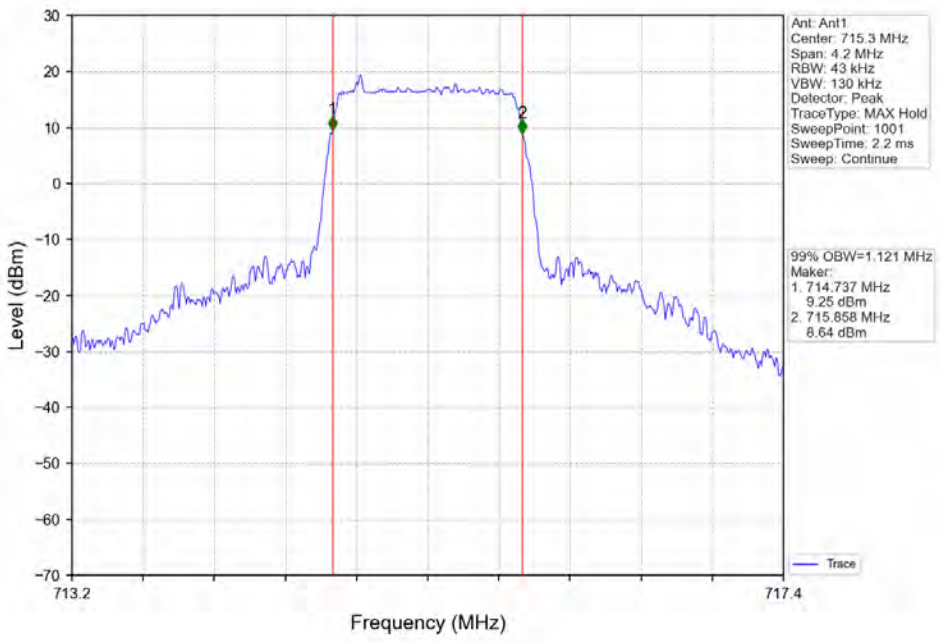
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



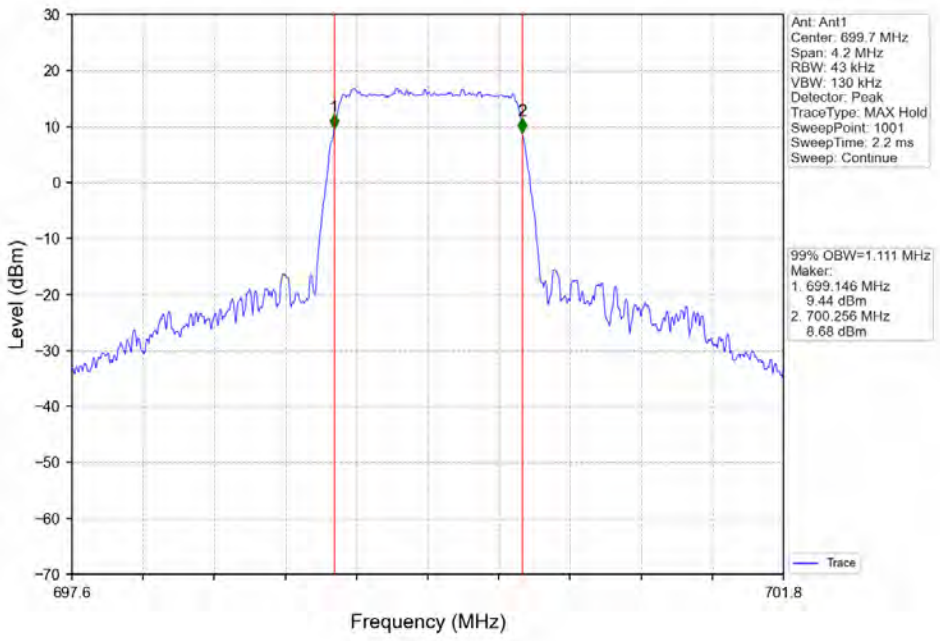
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



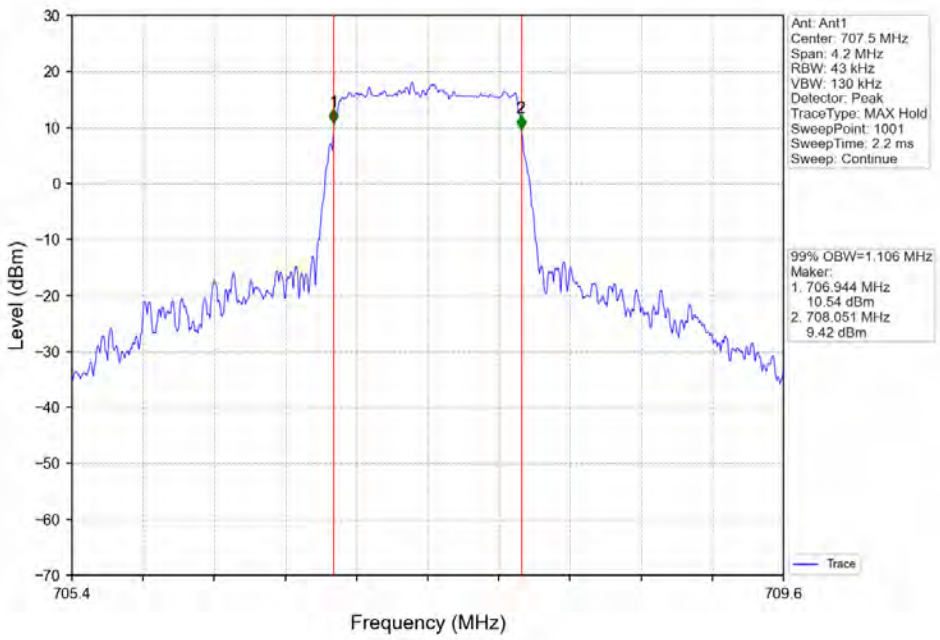
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



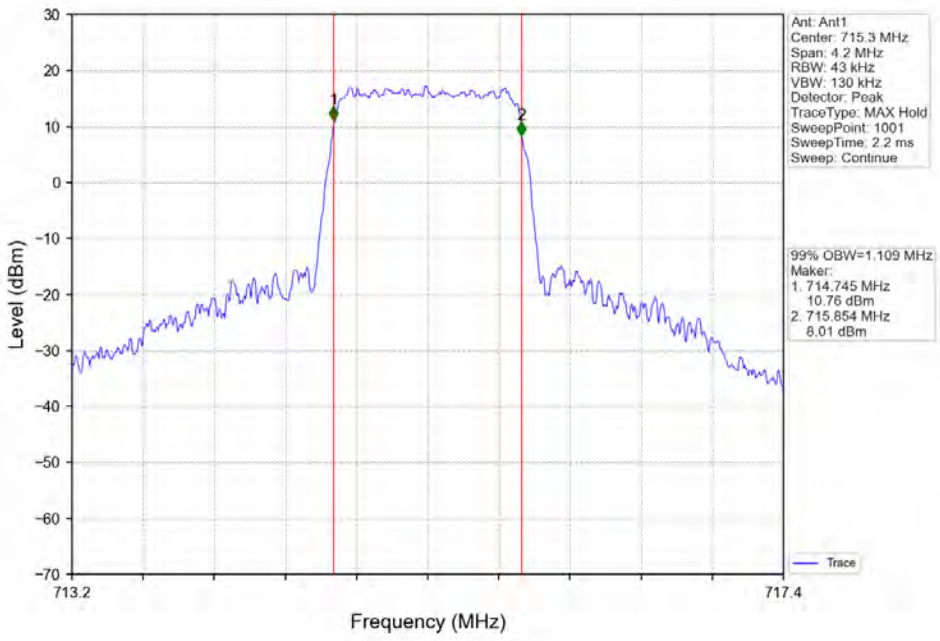
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



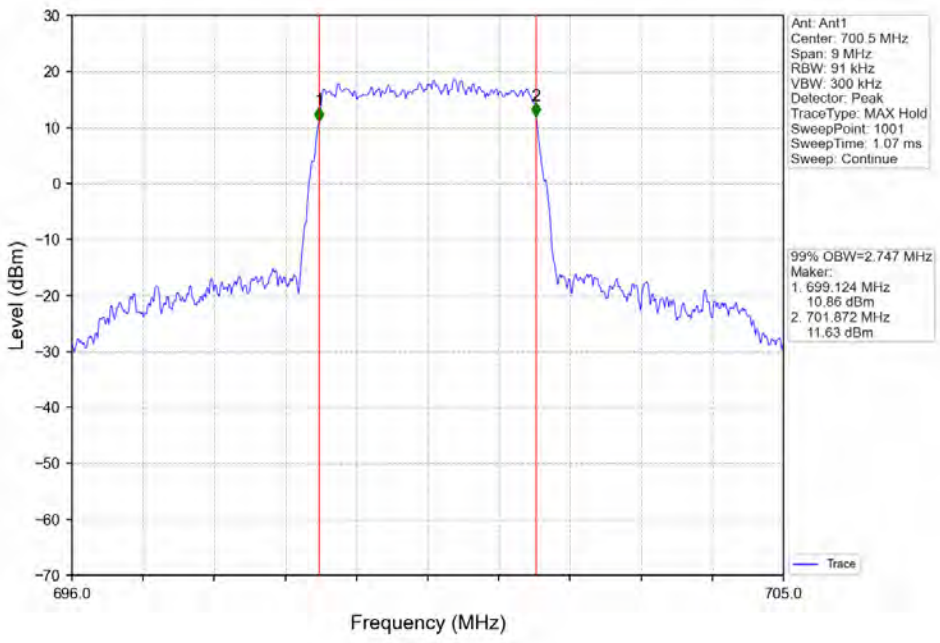
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



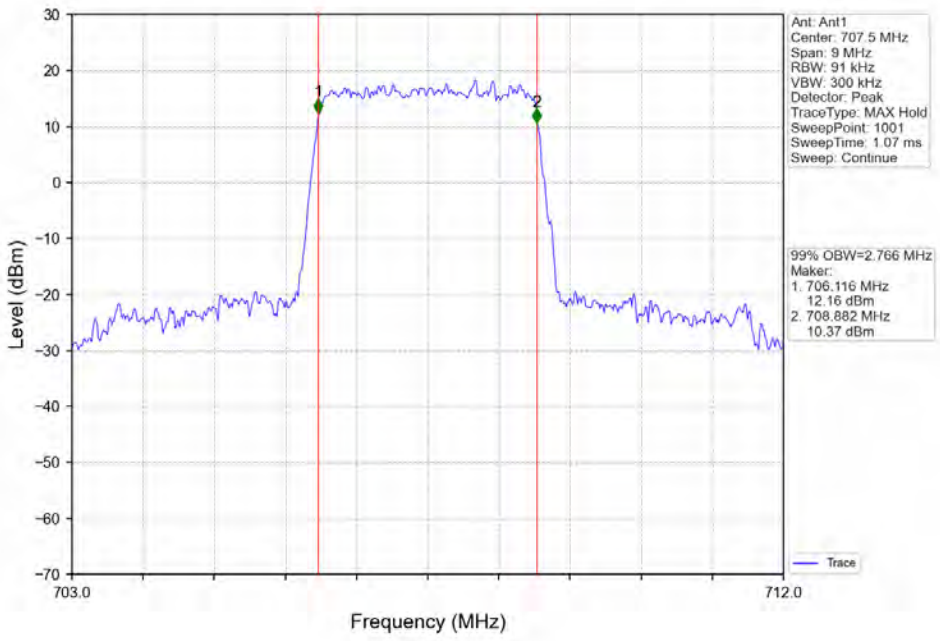
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



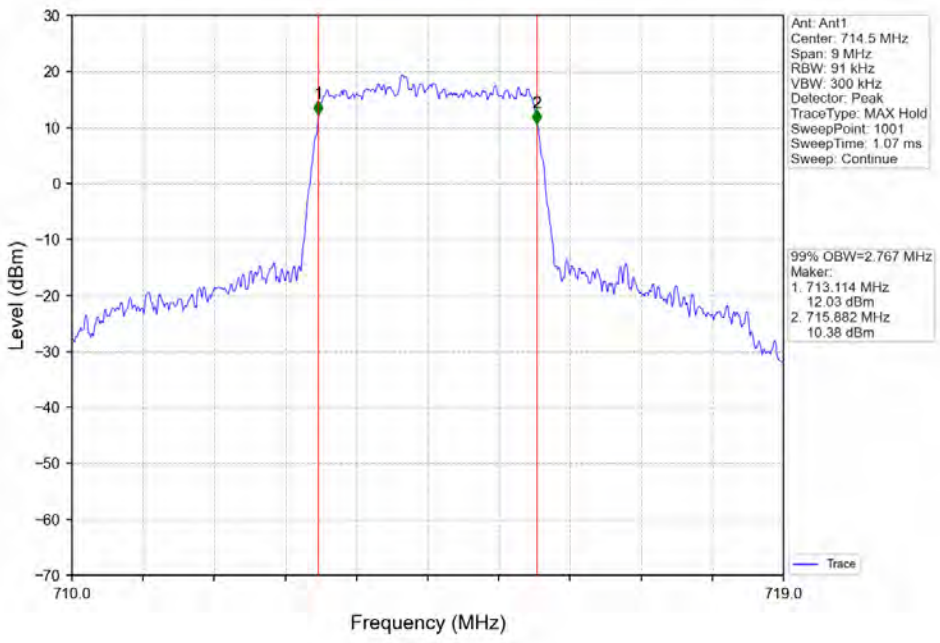
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



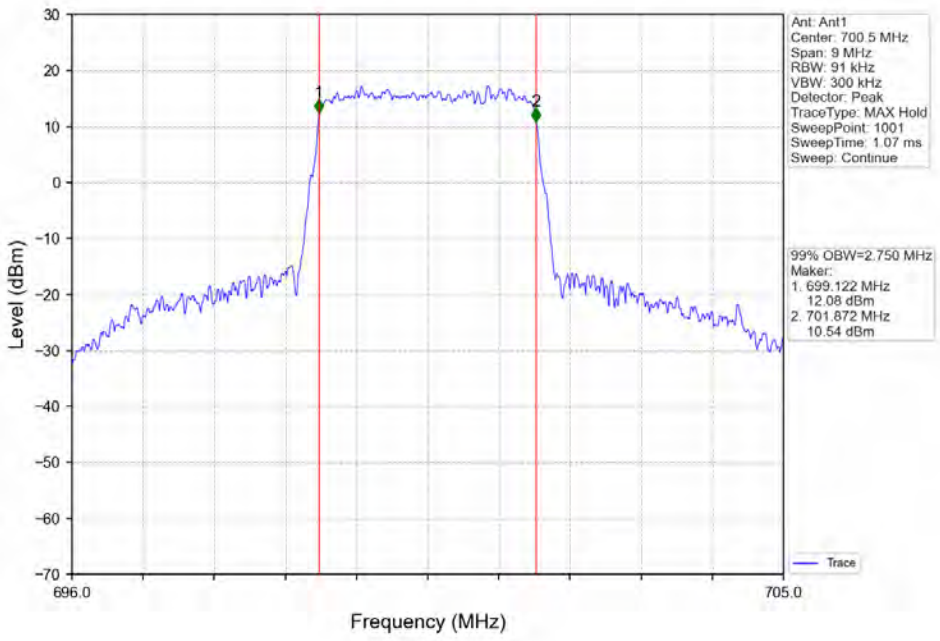
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



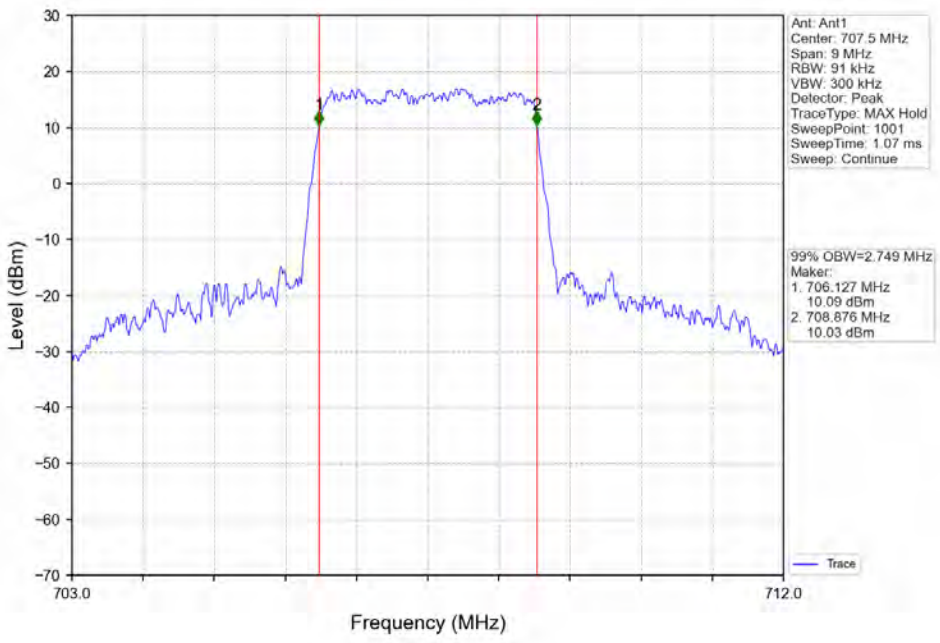
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



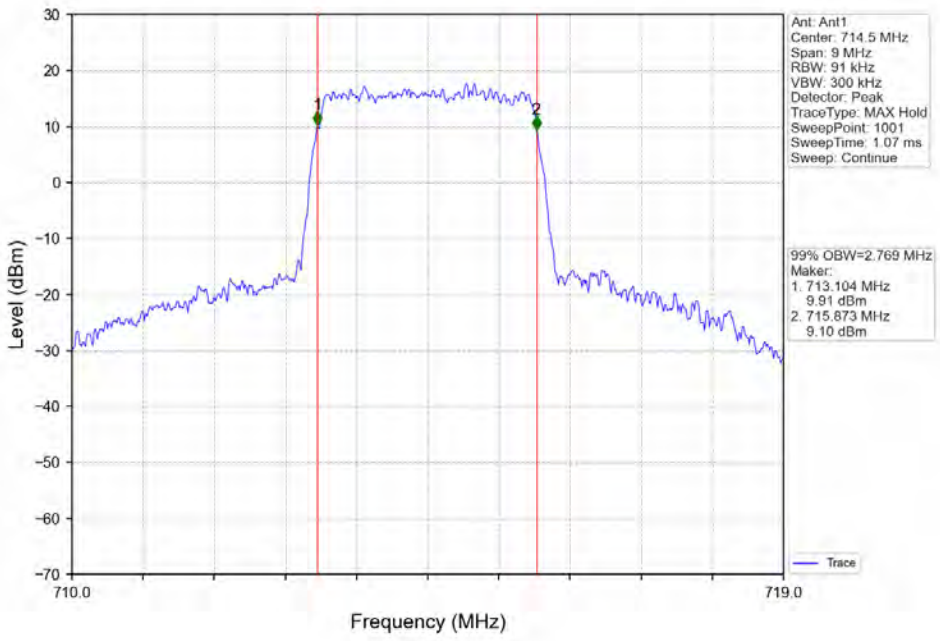
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



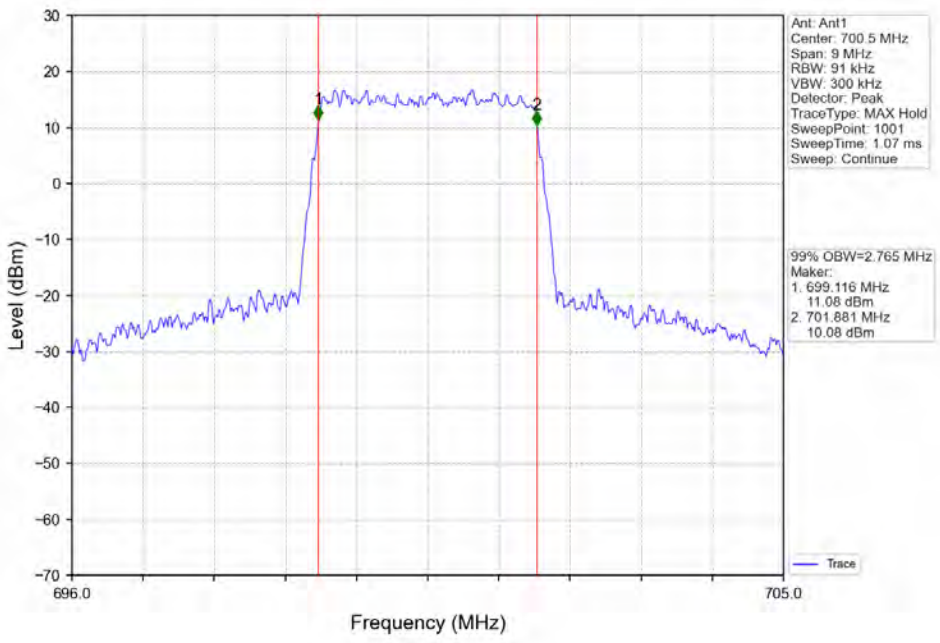
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



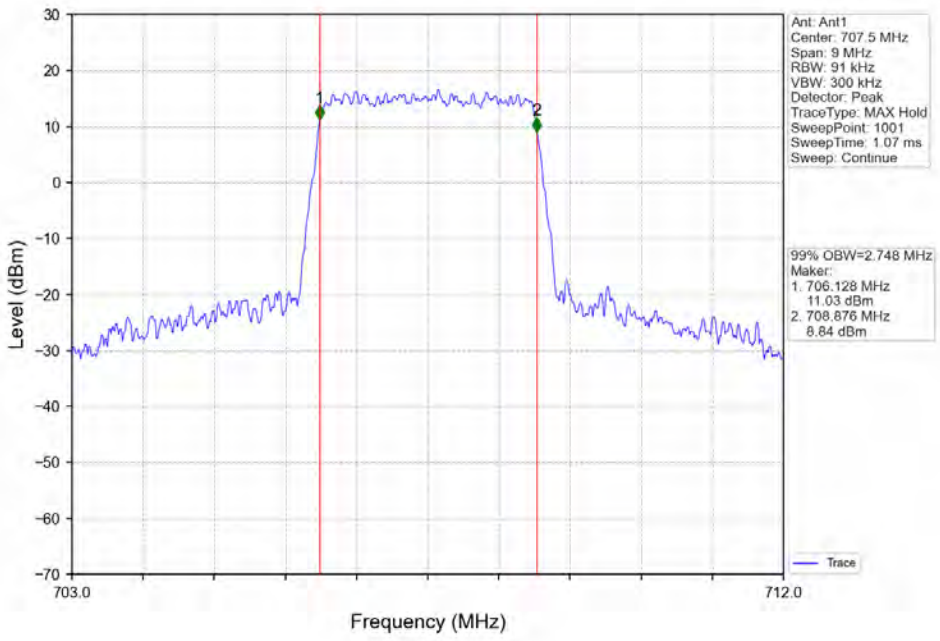
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



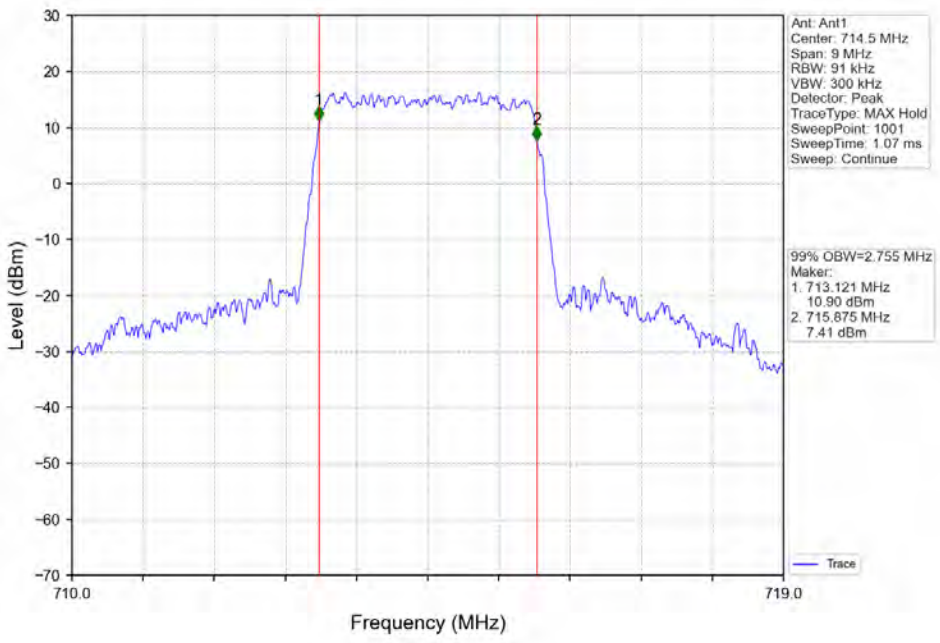
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



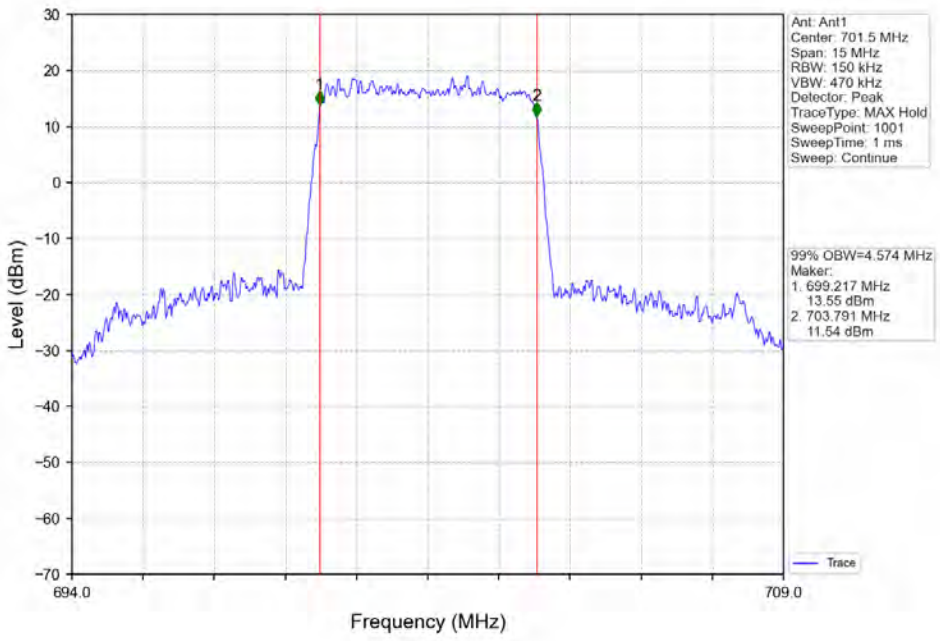
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



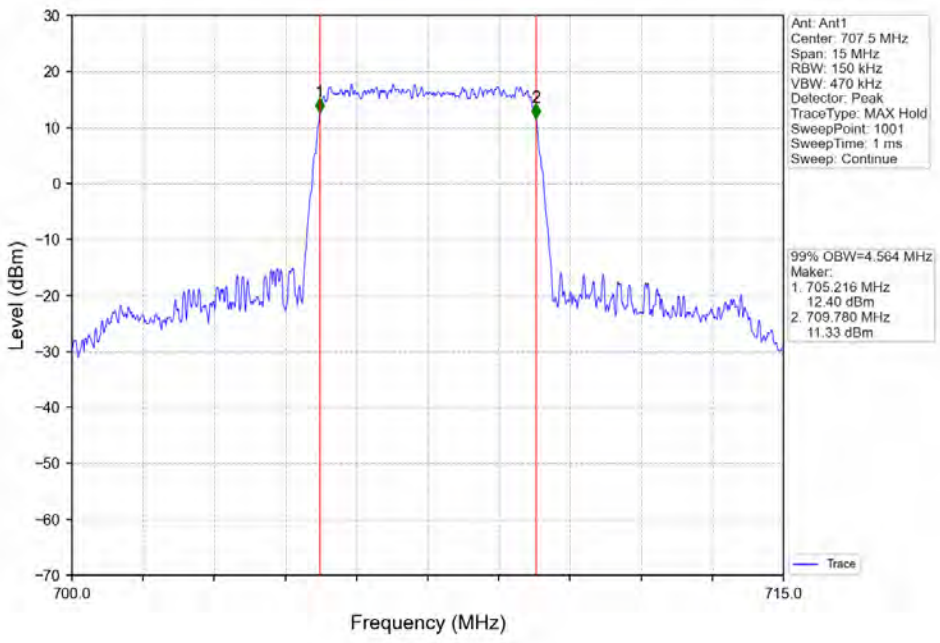
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



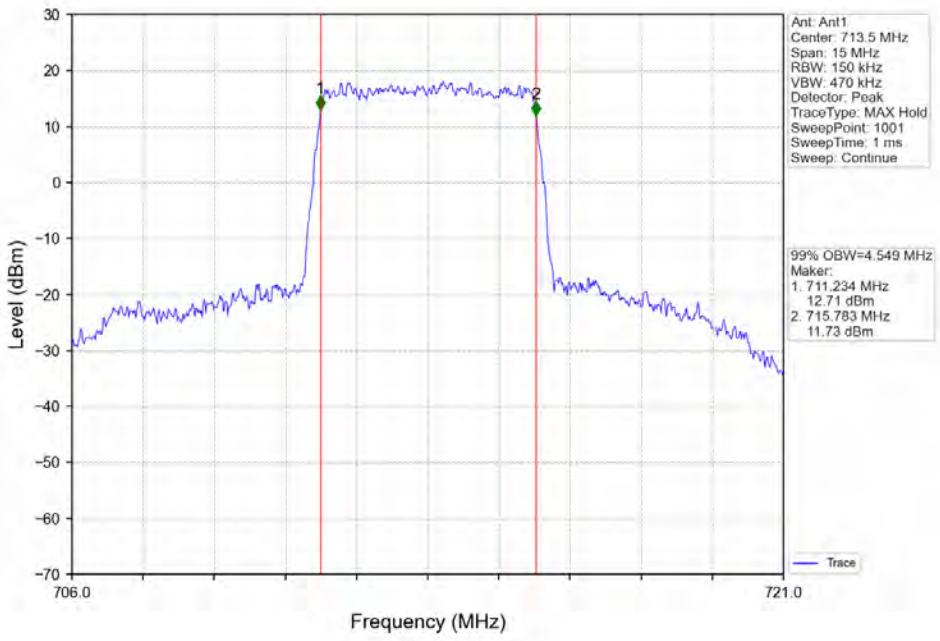
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



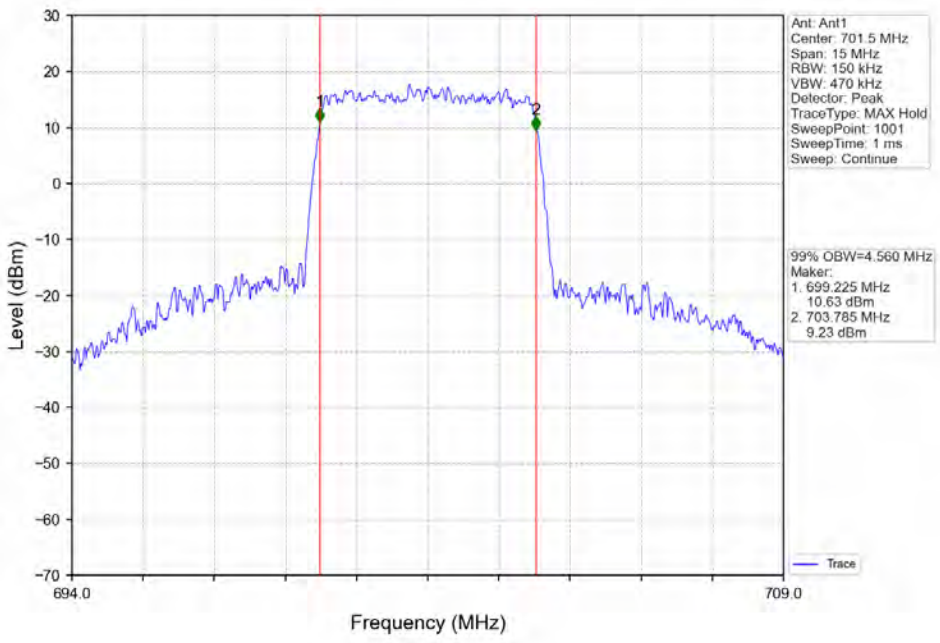
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



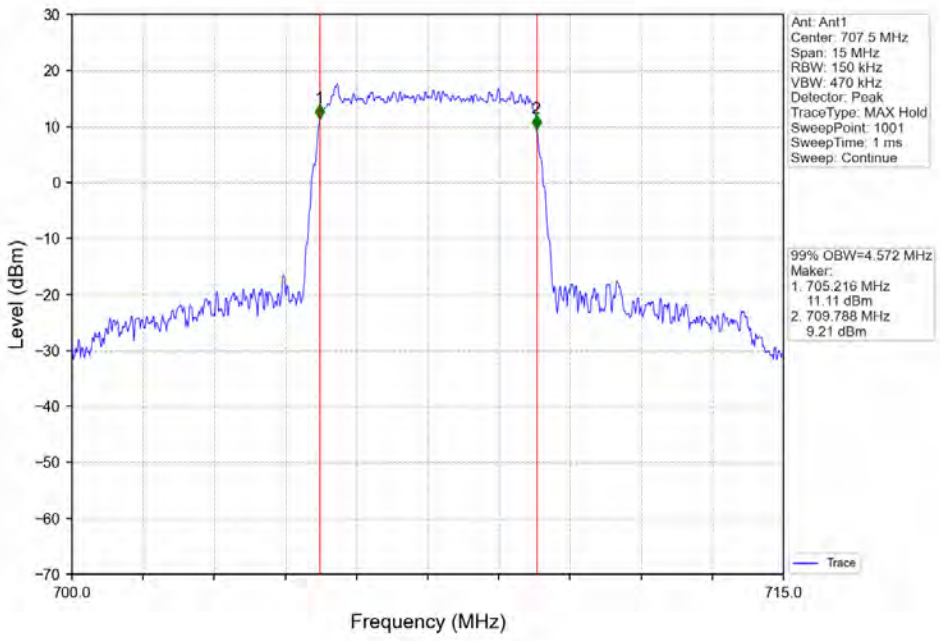
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



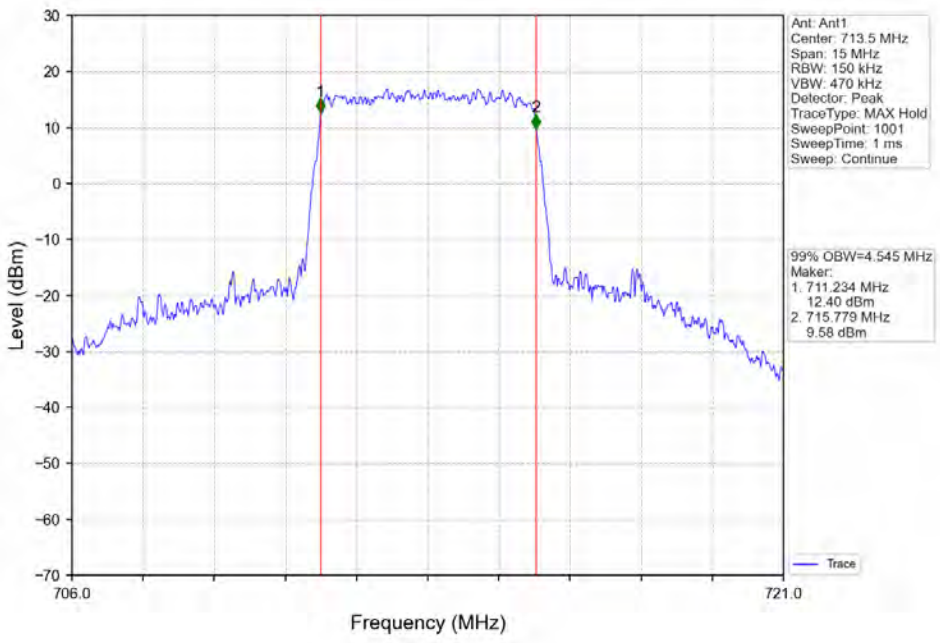
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



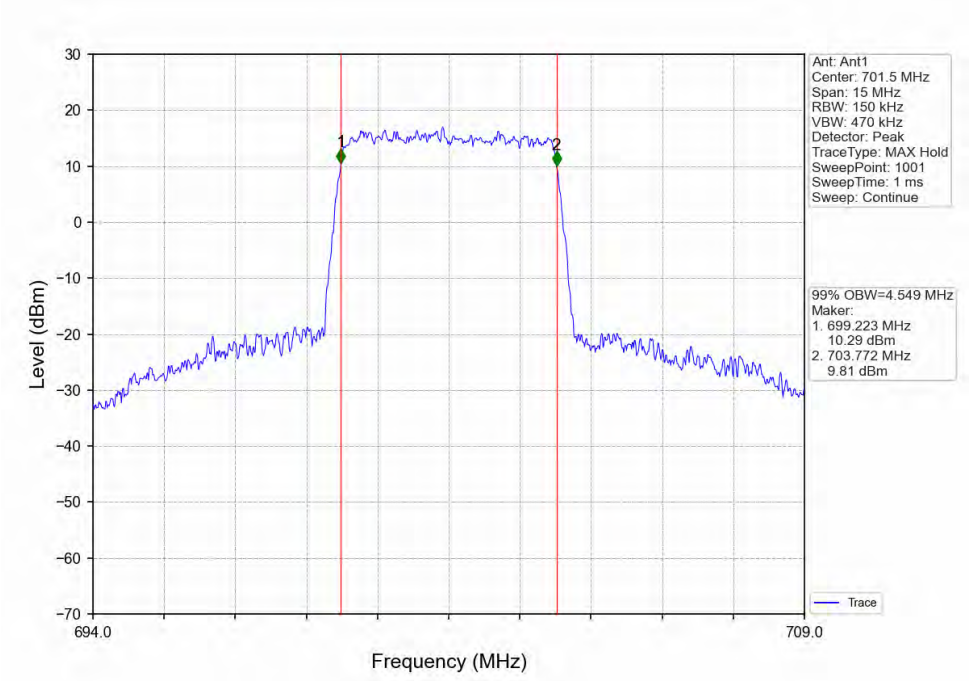
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



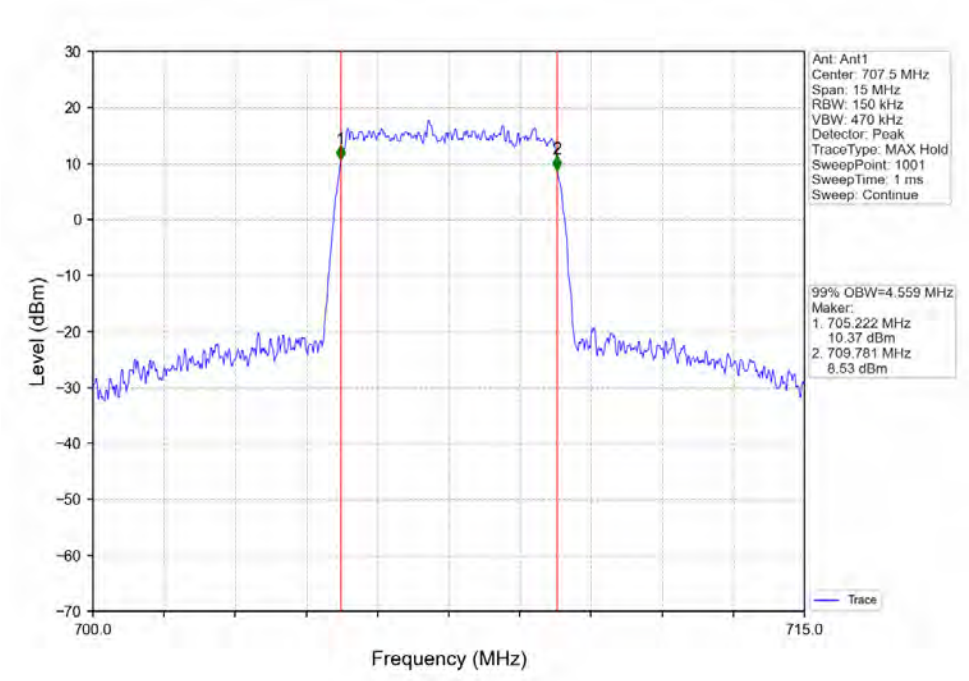
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



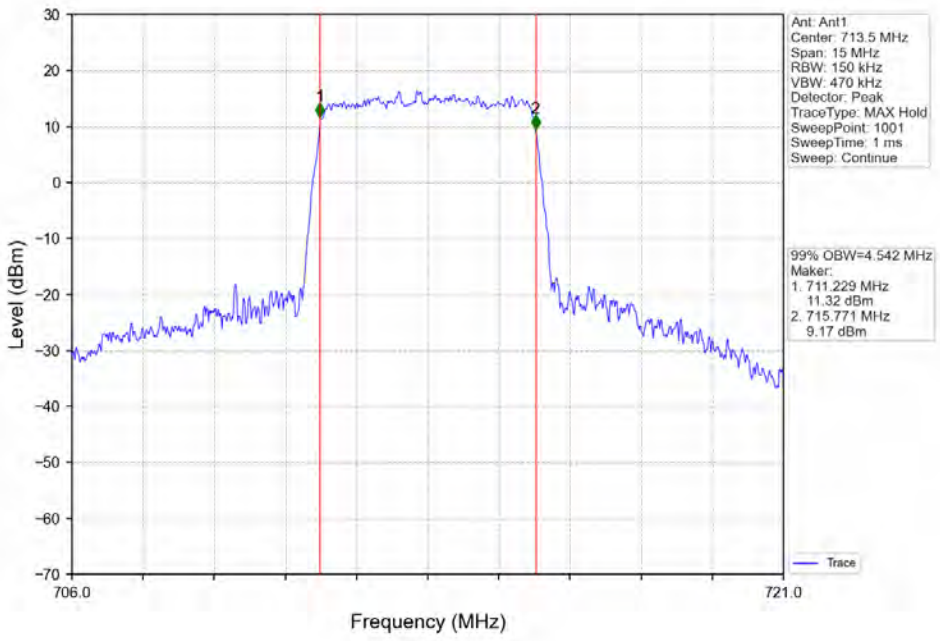
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



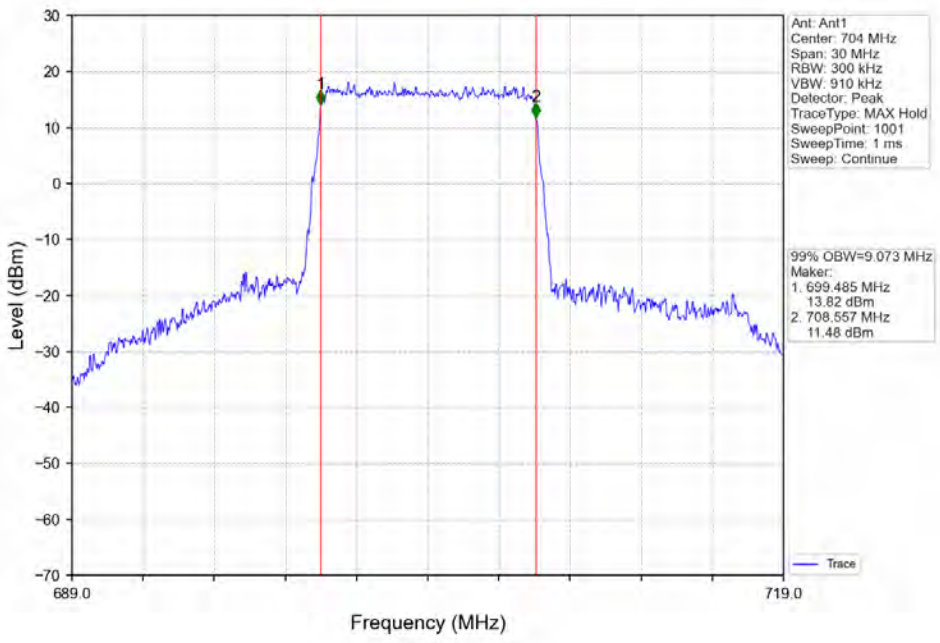
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



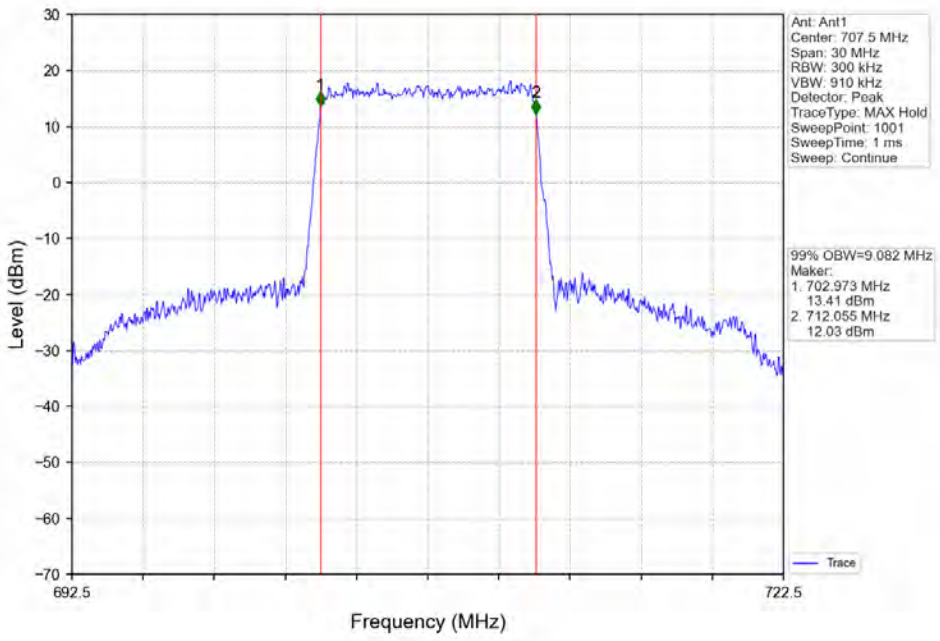
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



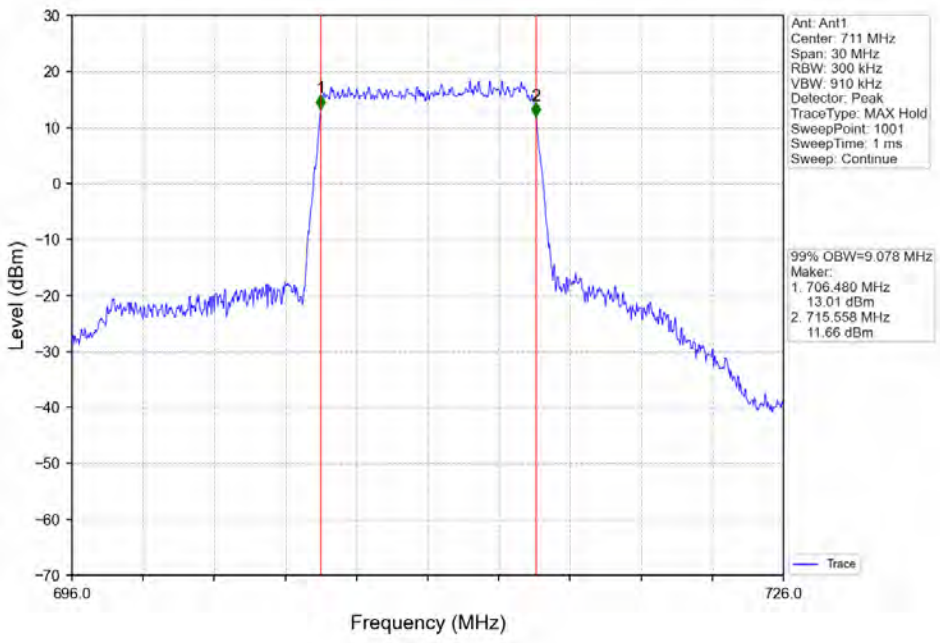
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



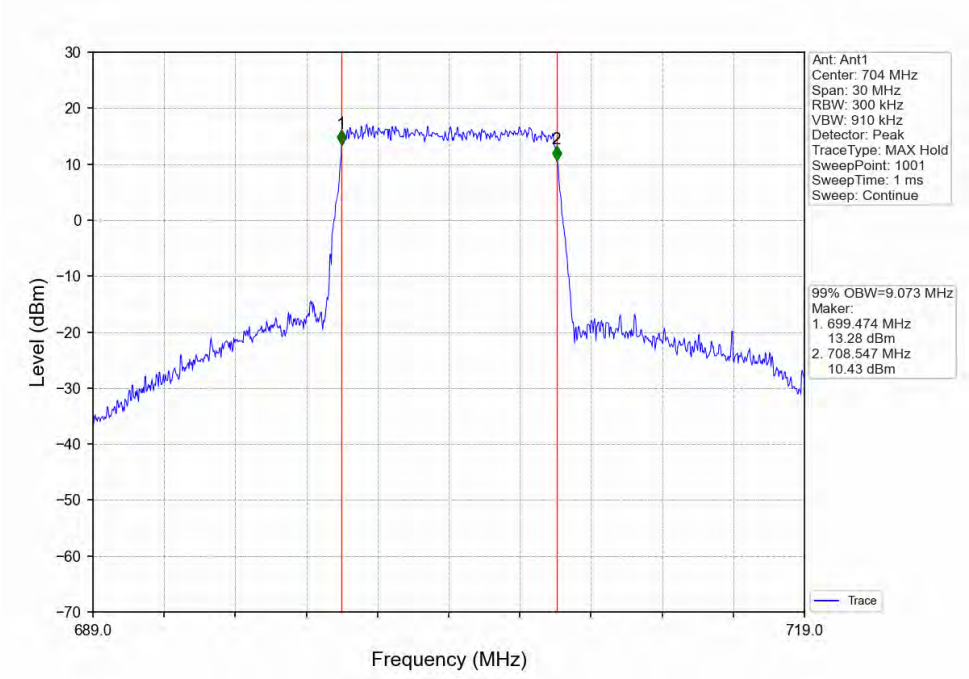
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



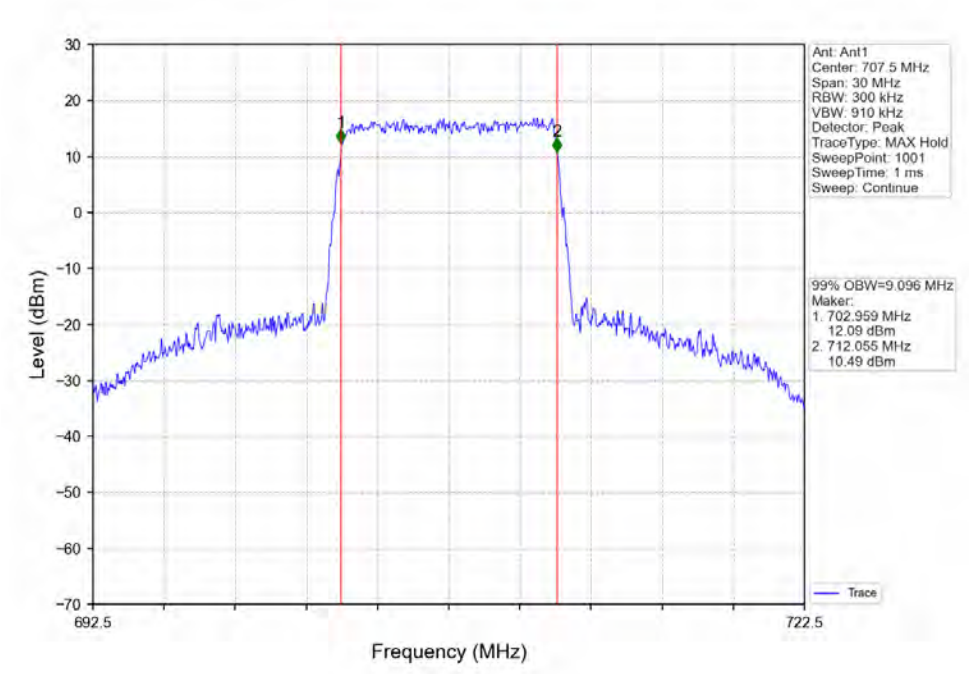
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



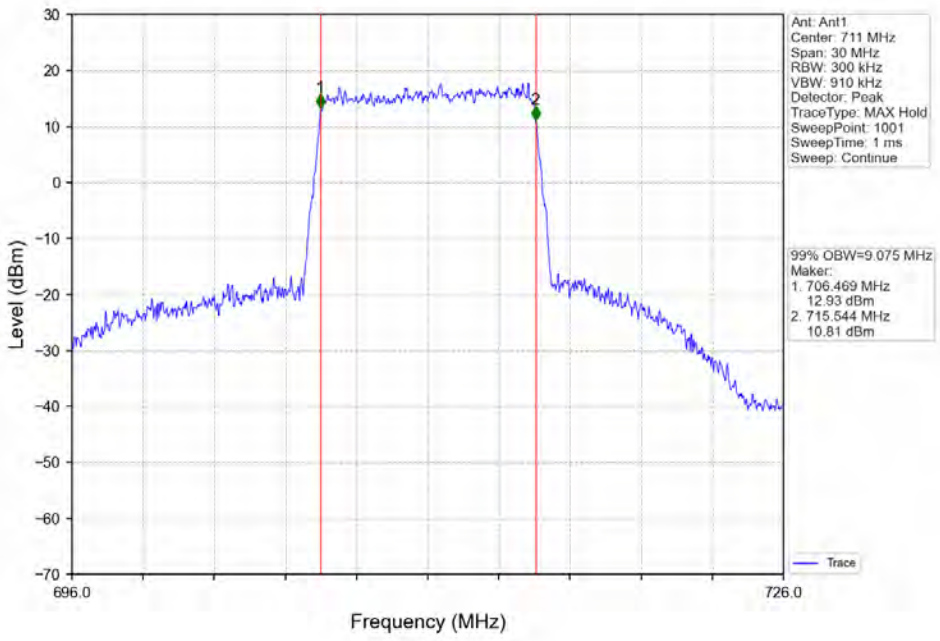
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



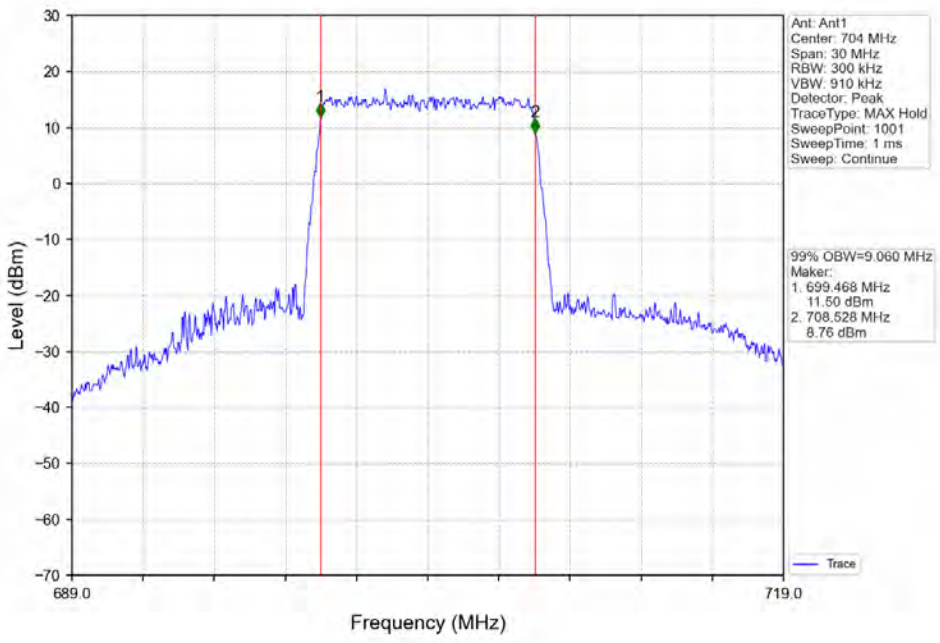
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



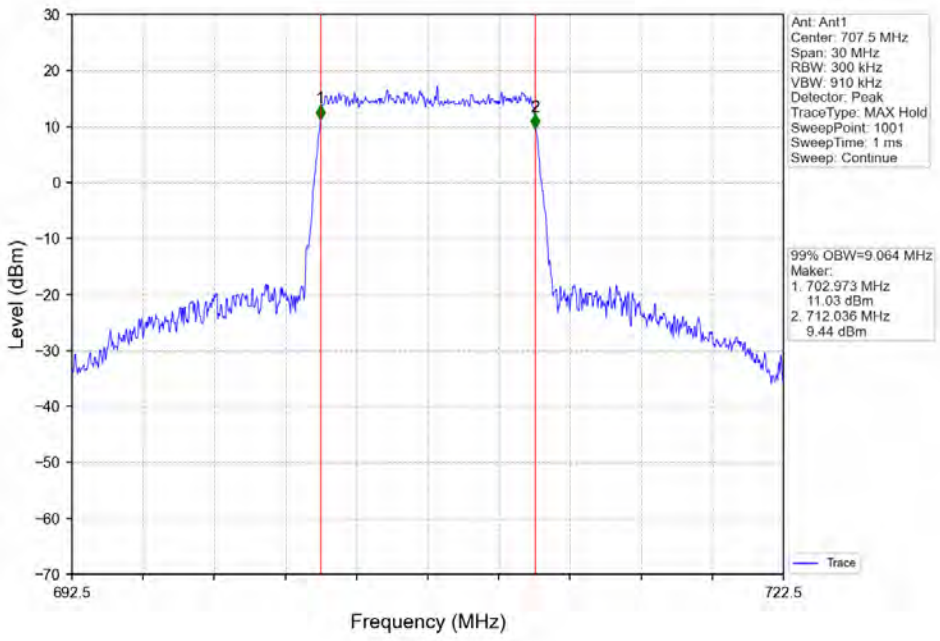
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



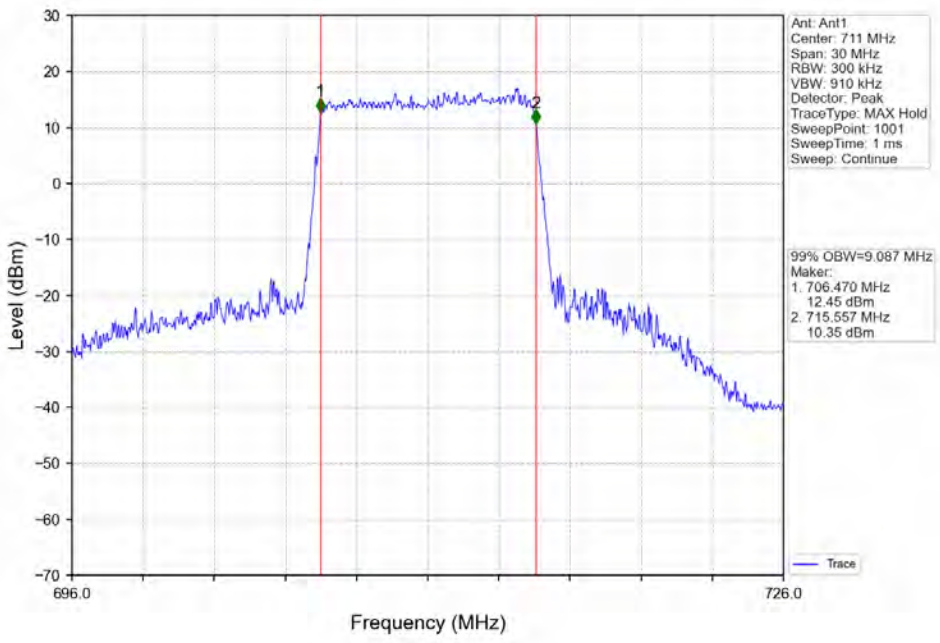
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

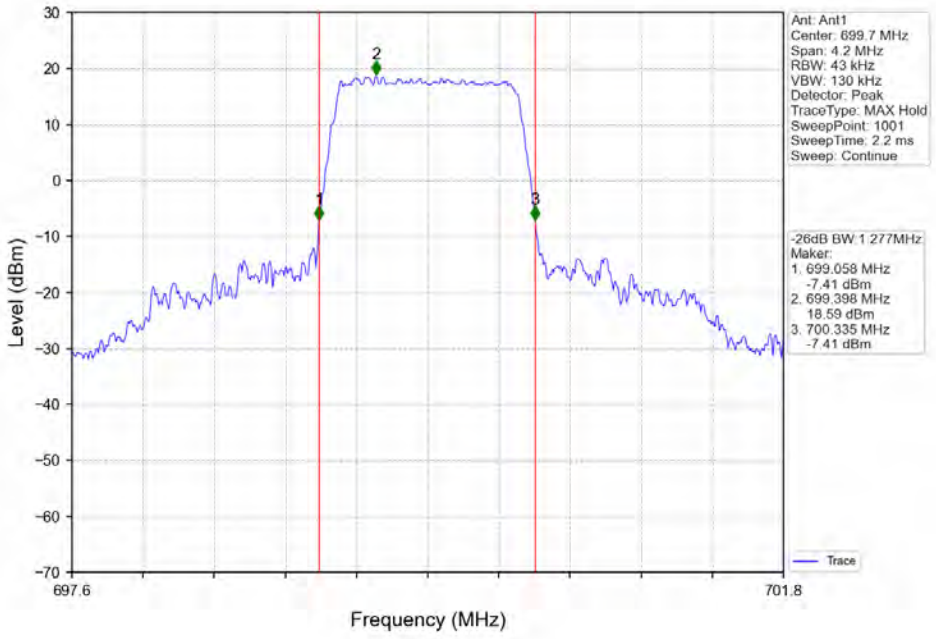


26DB_OBW TEST RESULT

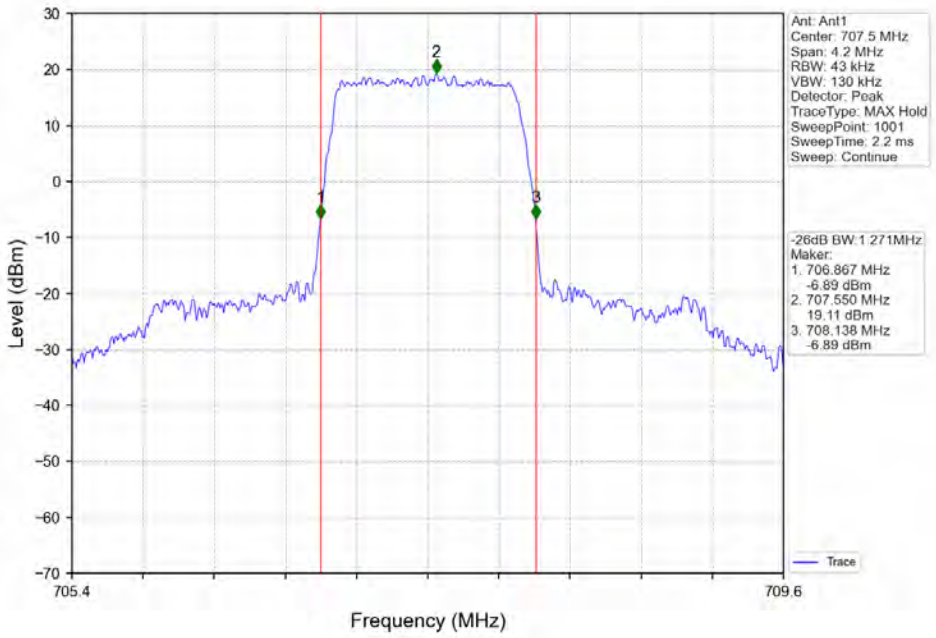
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.277	Pass
		707.5	6	0	1.271	Pass
		715.3	6	0	1.269	Pass
	16QAM	699.7	6	0	1.267	Pass
		707.5	6	0	1.277	Pass
		715.3	6	0	1.270	Pass
	64QAM	699.7	6	0	1.275	Pass
		707.5	6	0	1.265	Pass
		715.3	6	0	1.269	Pass
3	QPSK	700.5	15	0	3.111	Pass
		707.5	15	0	3.100	Pass
		714.5	15	0	3.083	Pass
	16QAM	700.5	15	0	3.102	Pass
		707.5	15	0	3.087	Pass
		714.5	15	0	3.092	Pass
	64QAM	700.5	15	0	3.112	Pass
		707.5	15	0	3.109	Pass
		714.5	15	0	3.103	Pass
5	QPSK	701.5	25	0	5.031	Pass
		707.5	25	0	5.074	Pass
		713.5	25	0	5.048	Pass
	16QAM	701.5	25	0	5.056	Pass
		707.5	25	0	5.045	Pass
		713.5	25	0	5.077	Pass
	64QAM	701.5	25	0	5.045	Pass
		707.5	25	0	5.030	Pass
		713.5	25	0	5.078	Pass
10	QPSK	704	50	0	9.998	Pass
		707.5	50	0	10.021	Pass
		711	50	0	10.024	Pass
	16QAM	704	50	0	10.054	Pass
		707.5	50	0	10.122	Pass
		711	50	0	10.063	Pass
	64QAM	704	50	0	10.039	Pass
		707.5	50	0	9.982	Pass
		711	50	0	9.995	Pass

TEST GRAPH

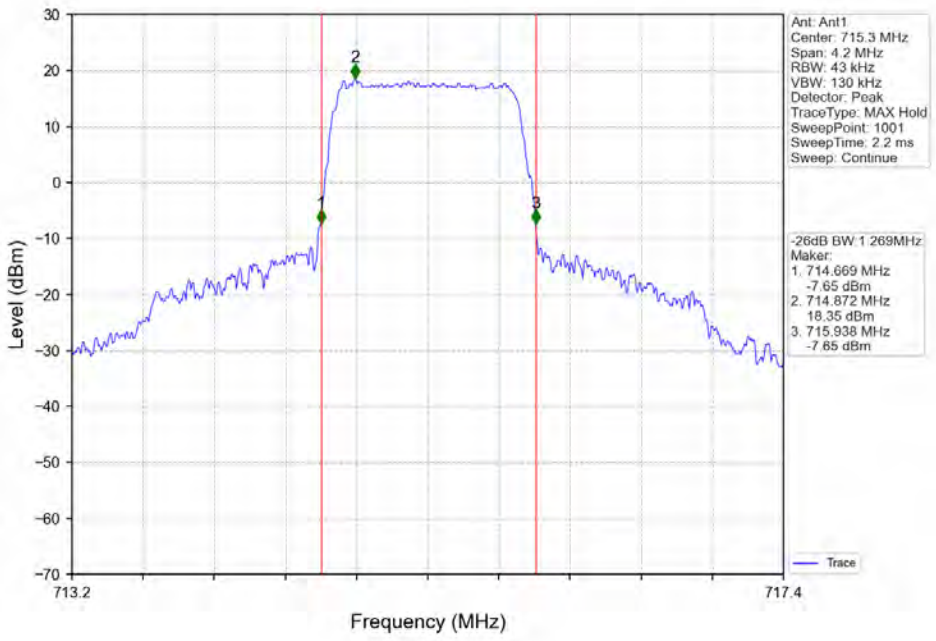
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



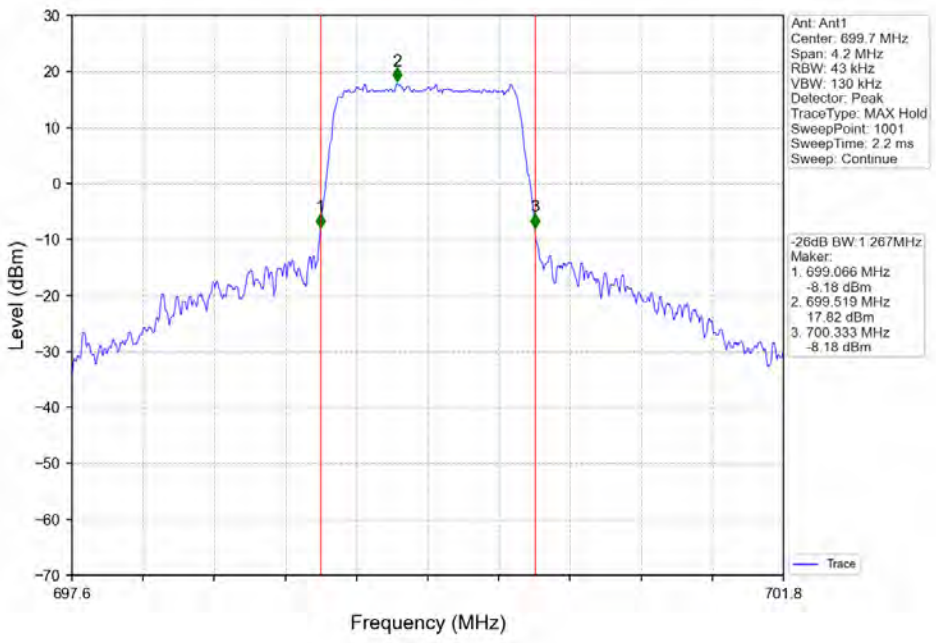
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



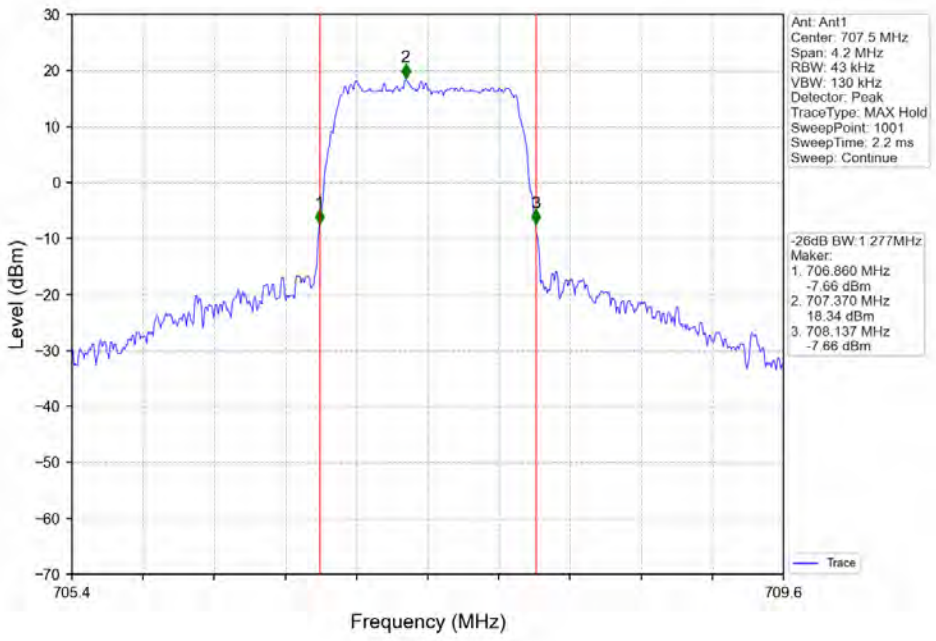
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



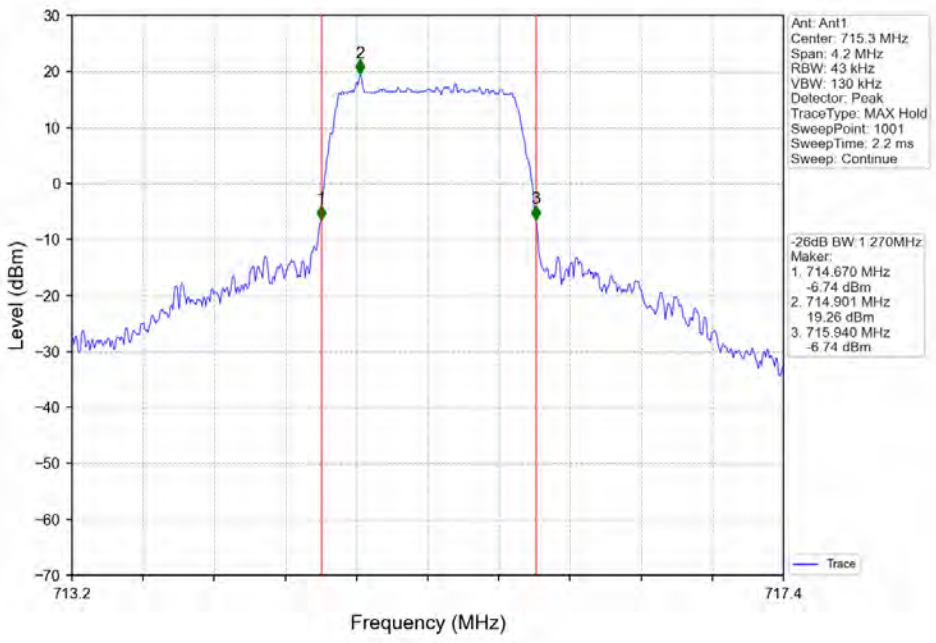
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



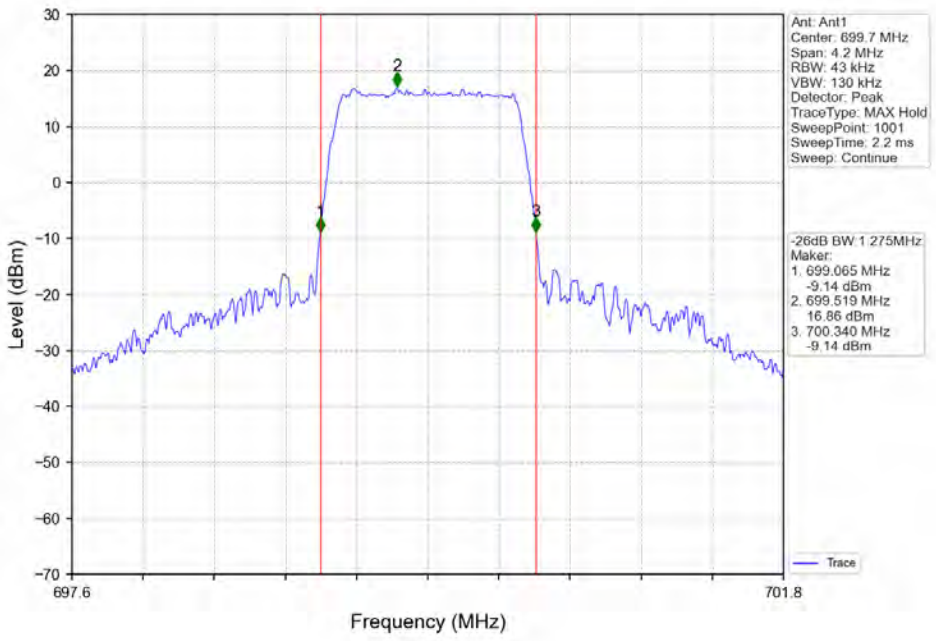
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



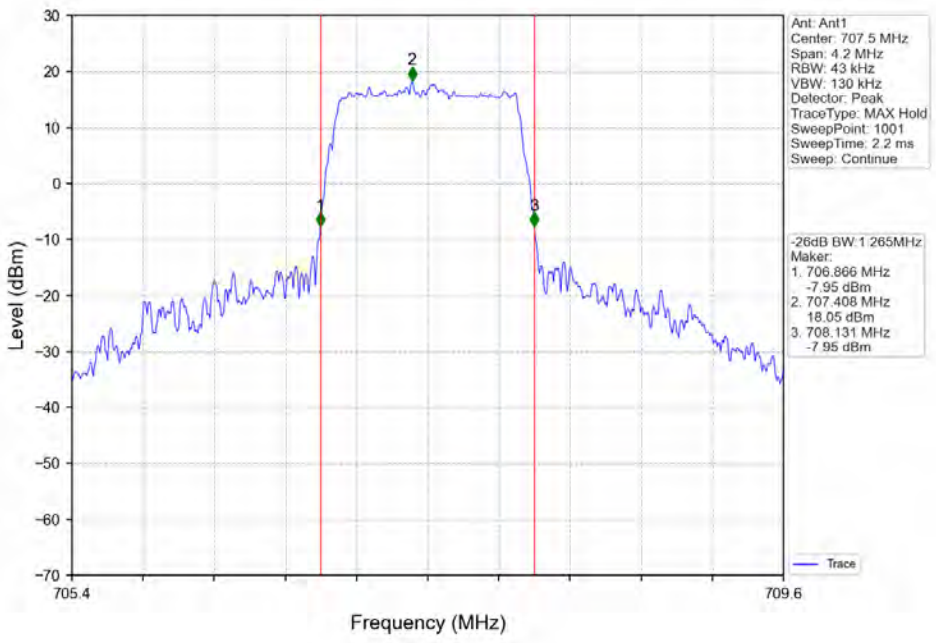
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



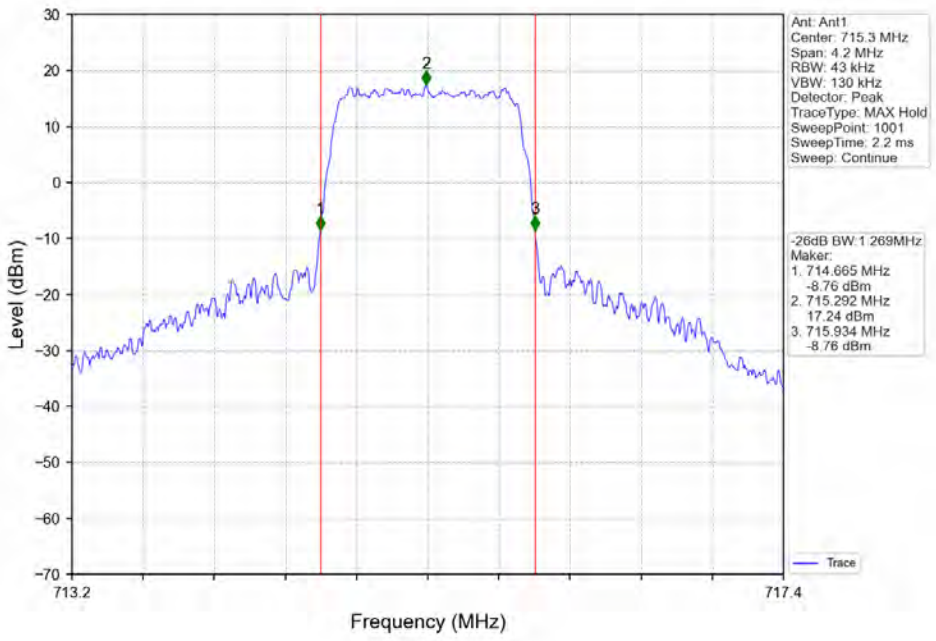
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



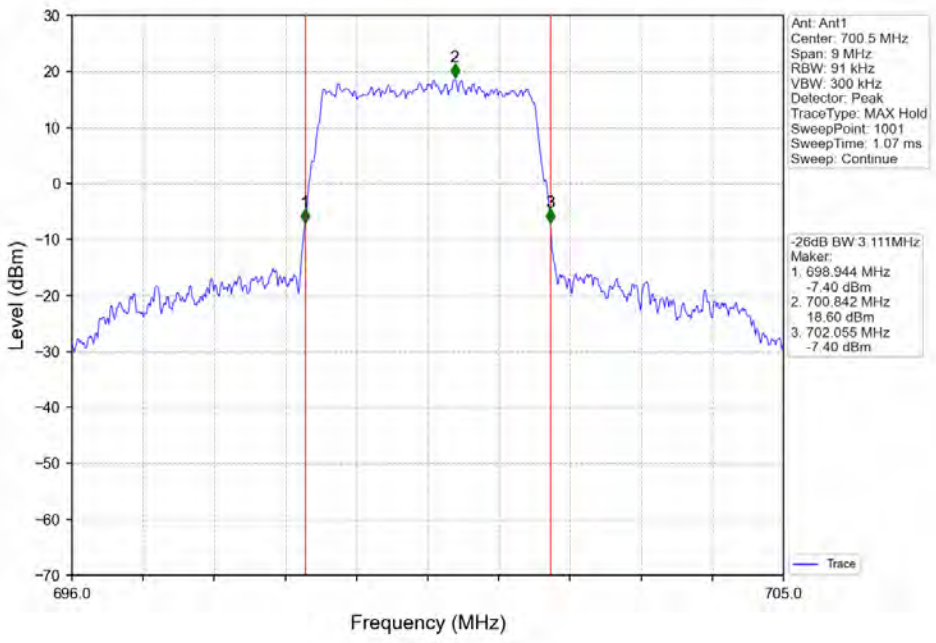
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



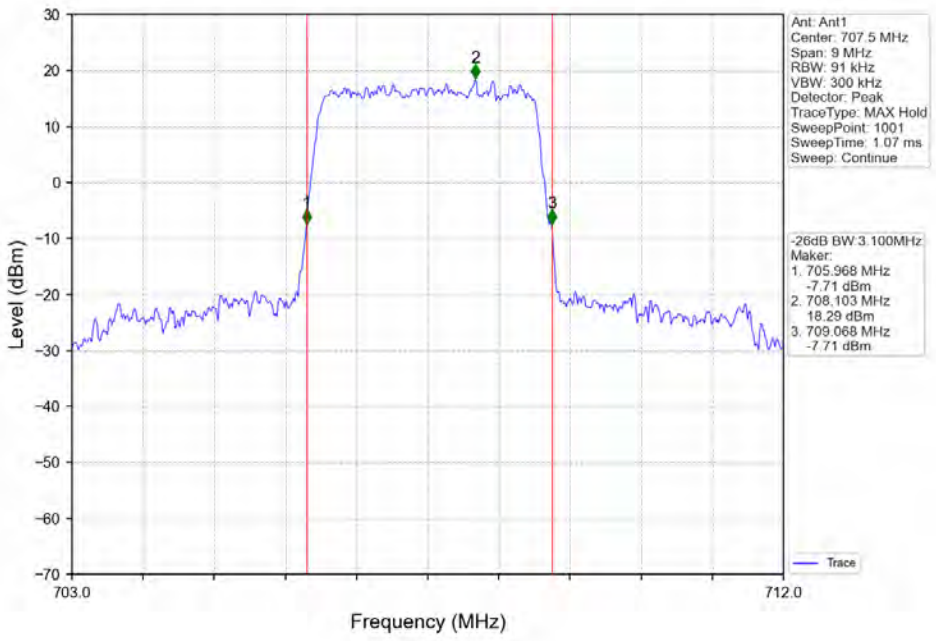
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



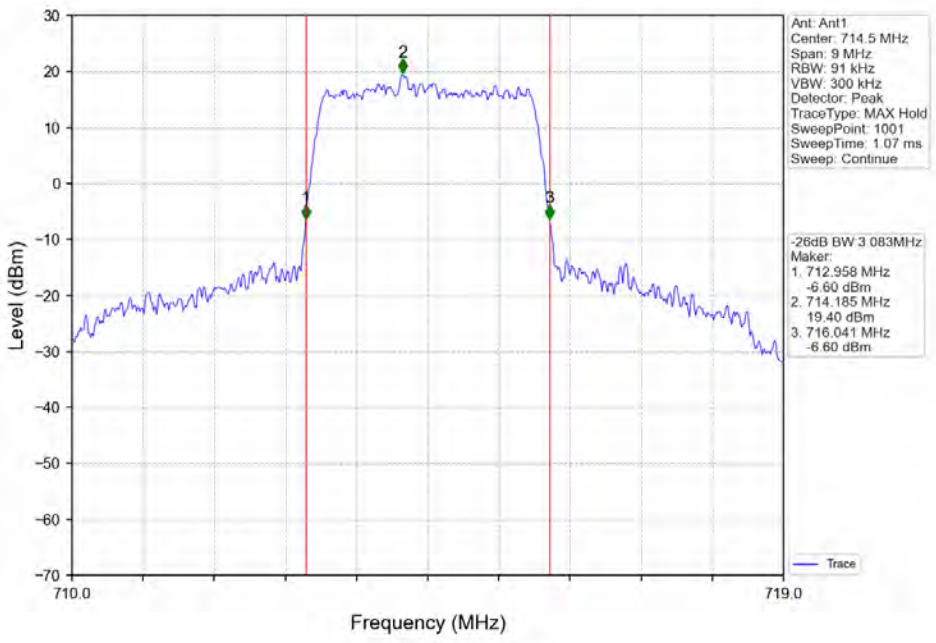
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



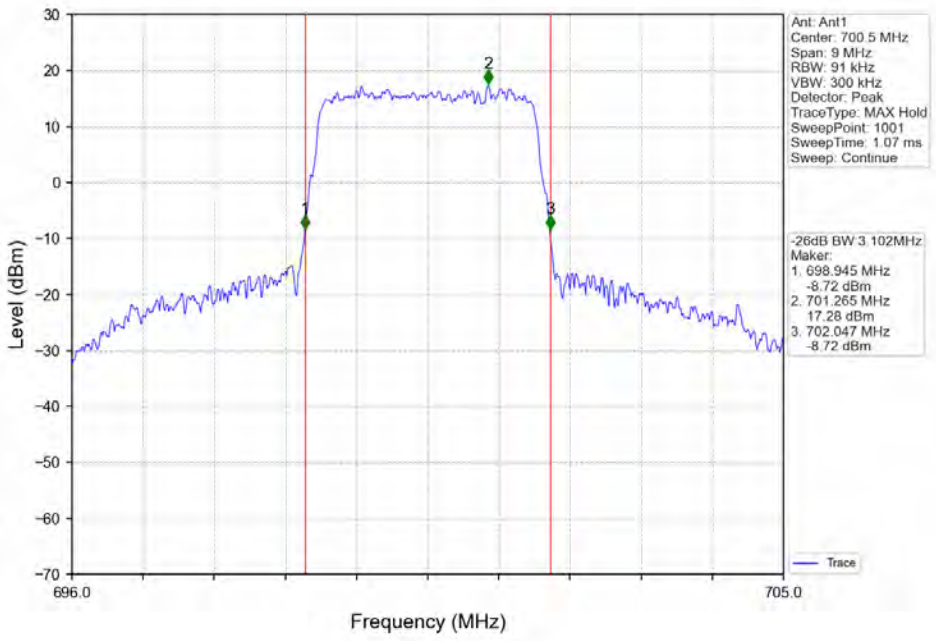
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



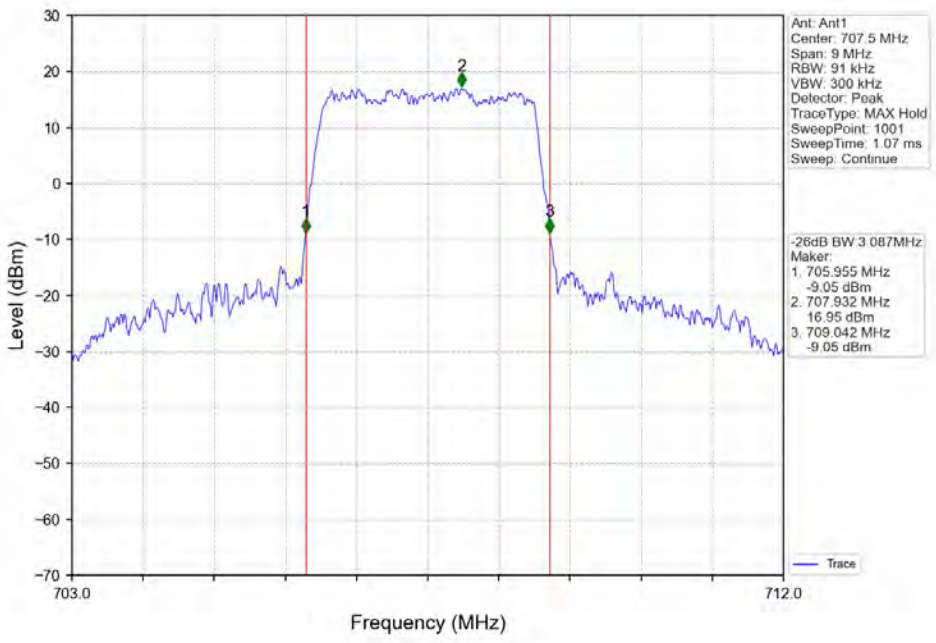
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



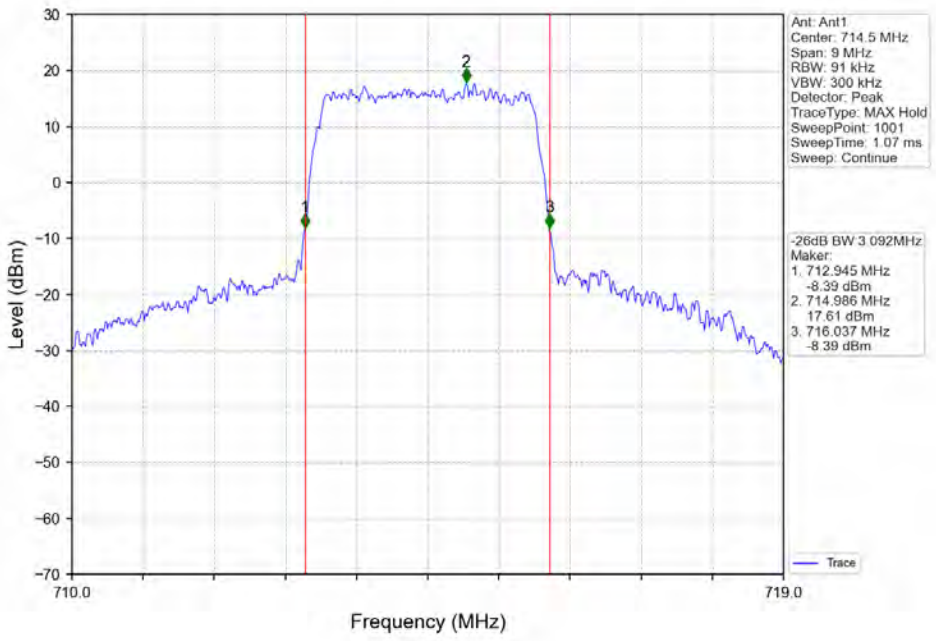
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



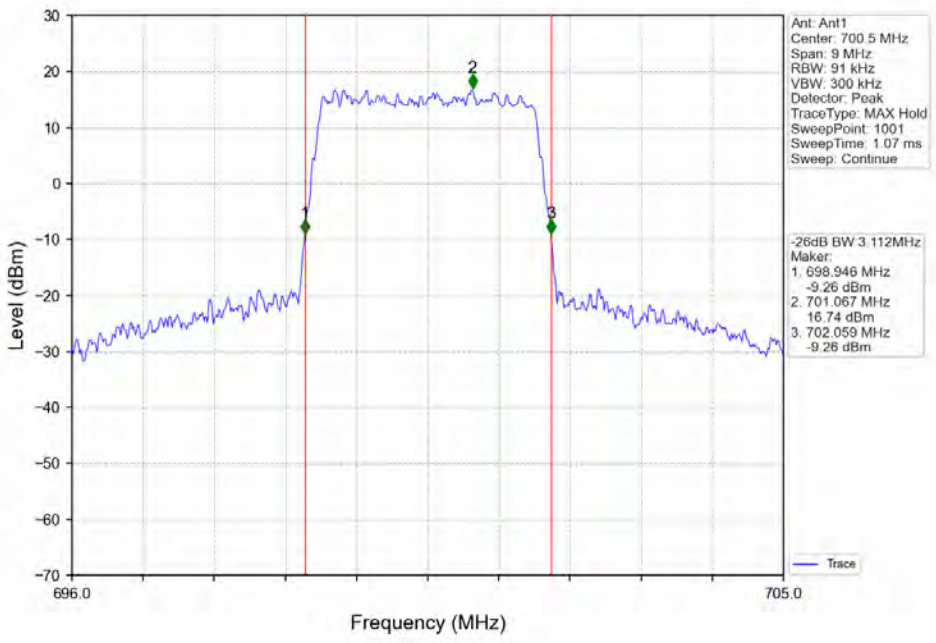
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



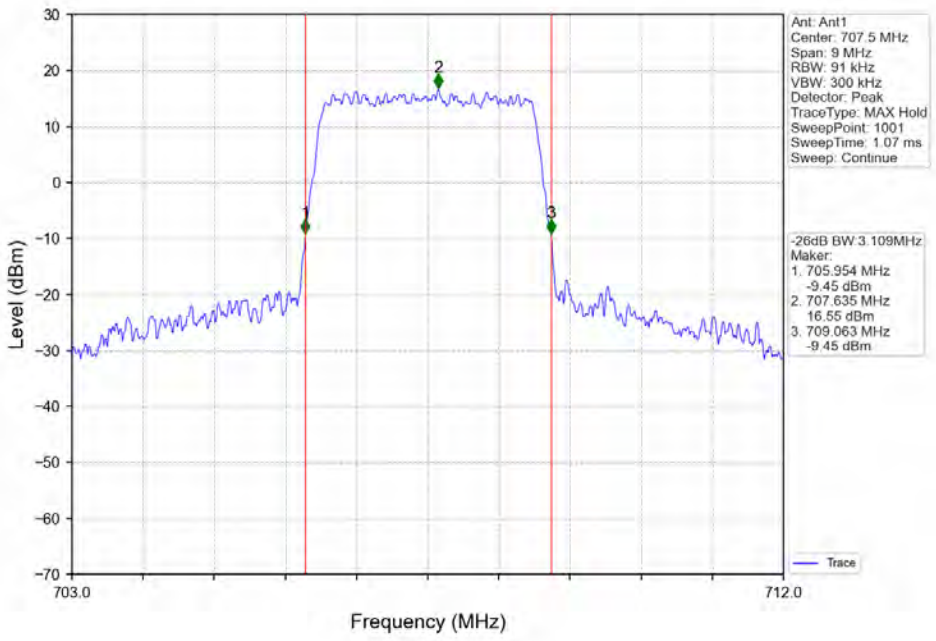
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



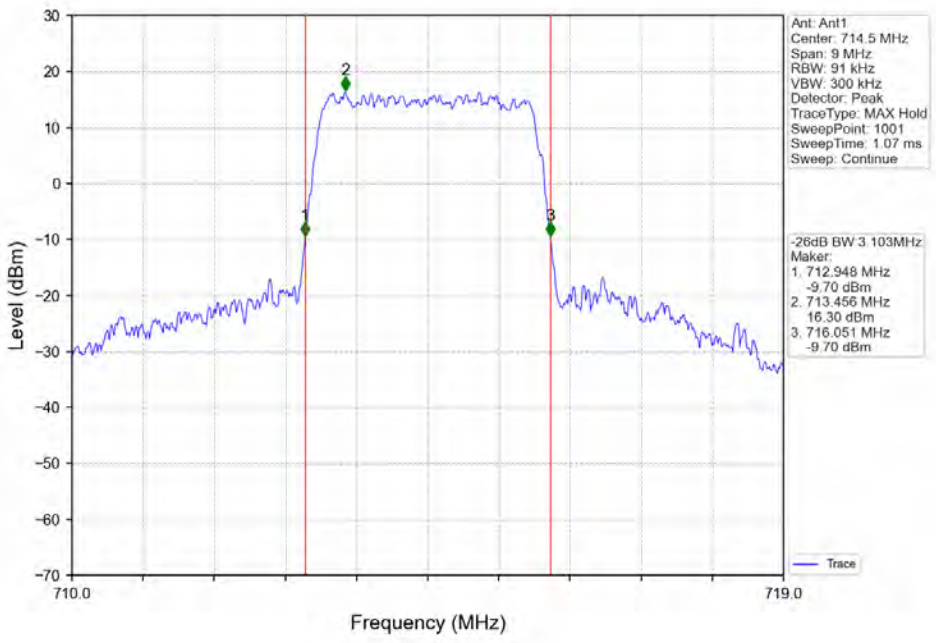
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



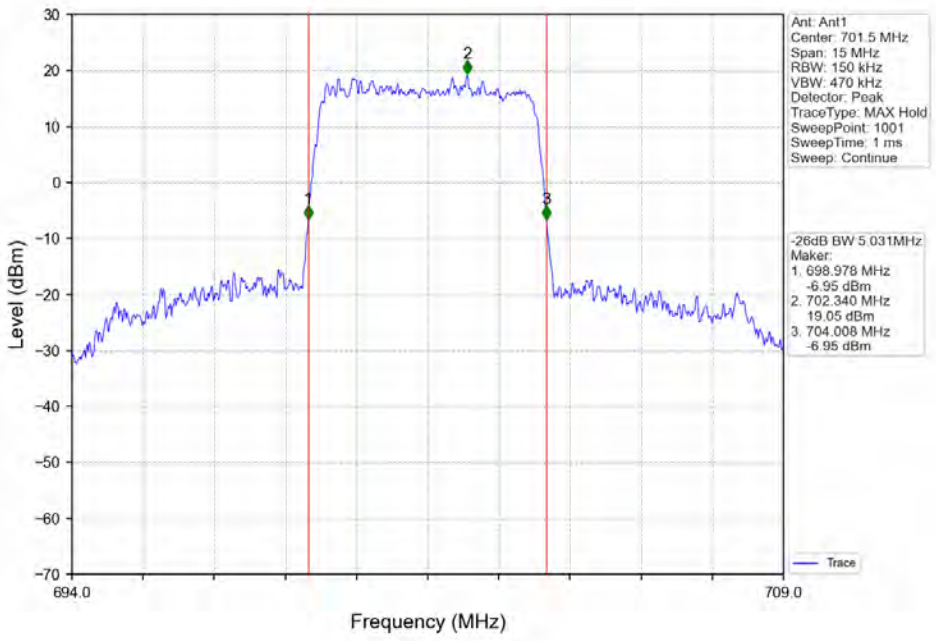
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



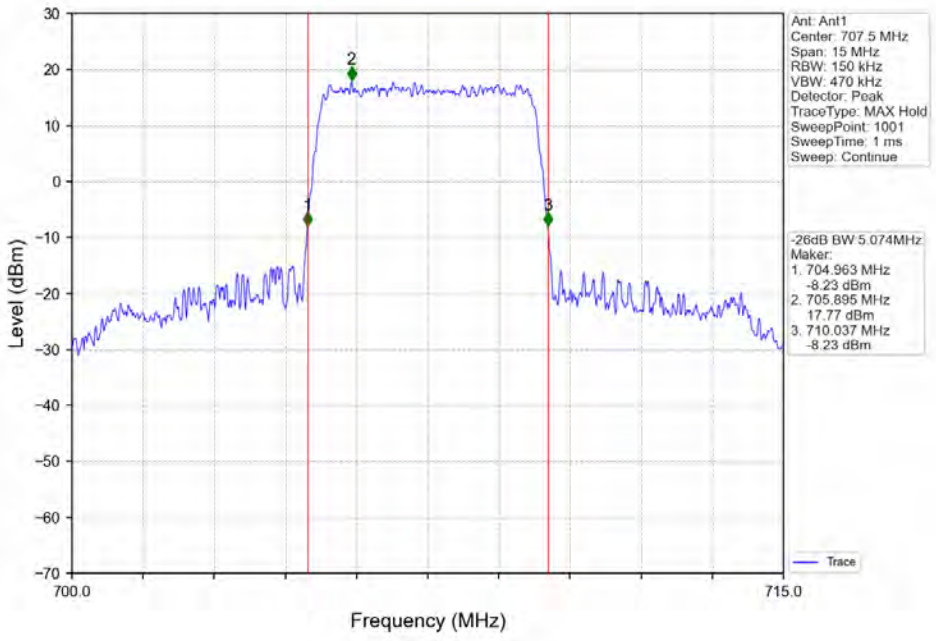
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



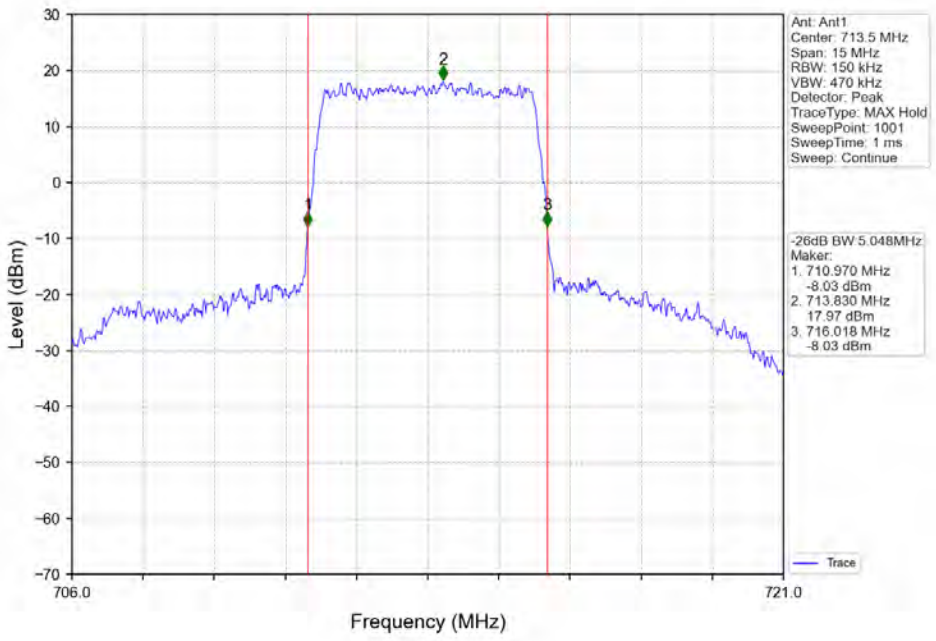
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



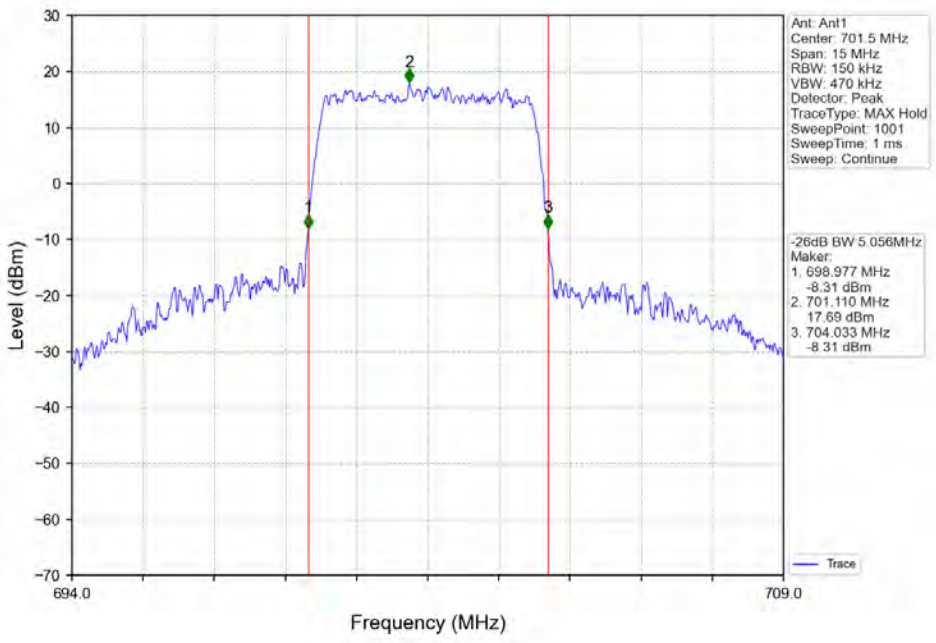
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



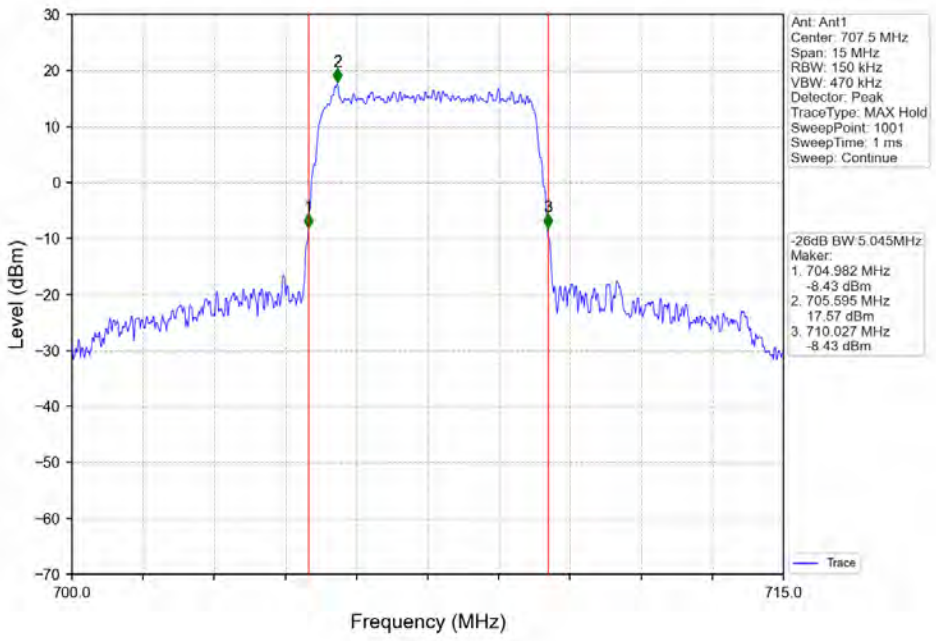
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



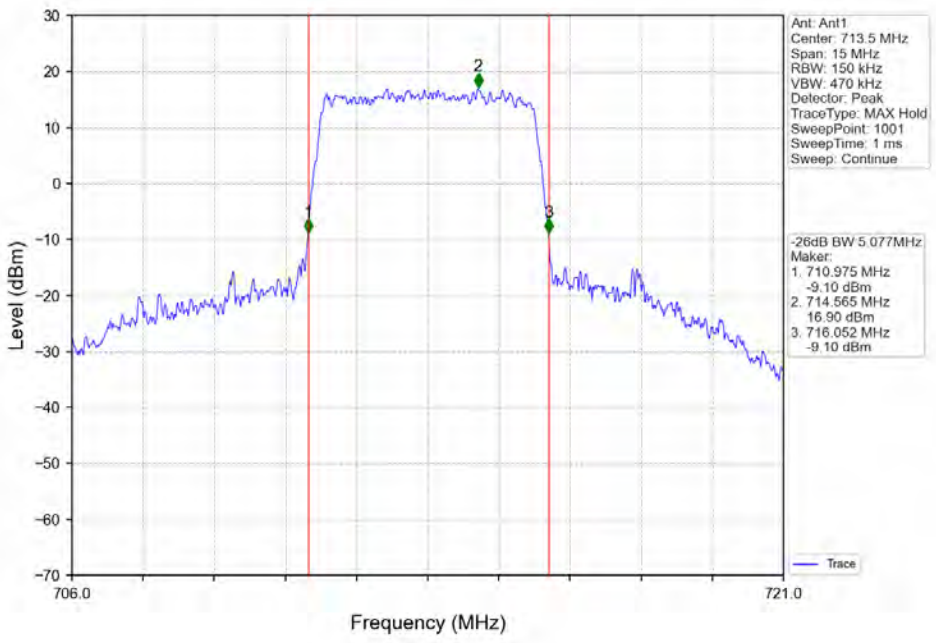
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



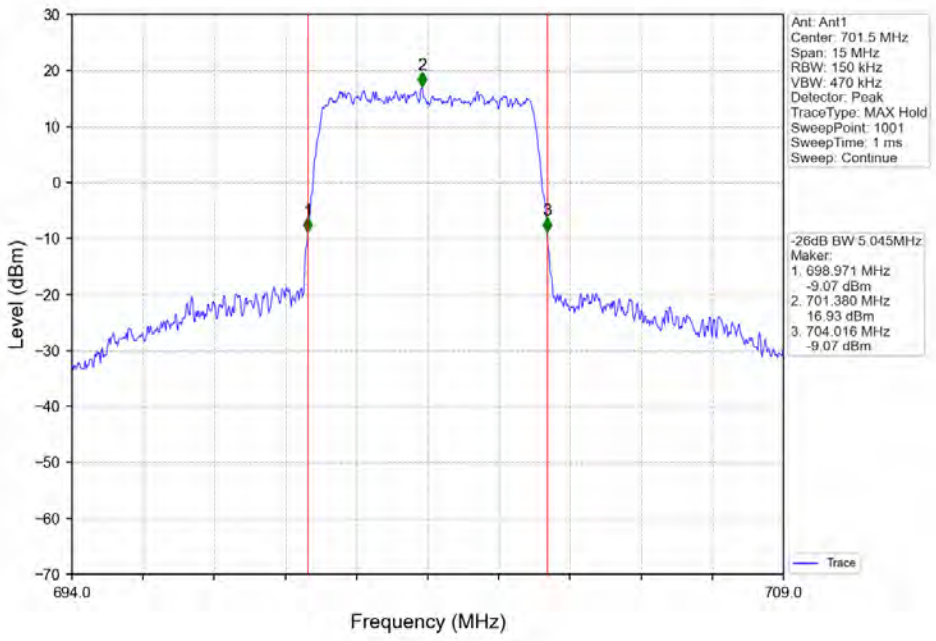
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



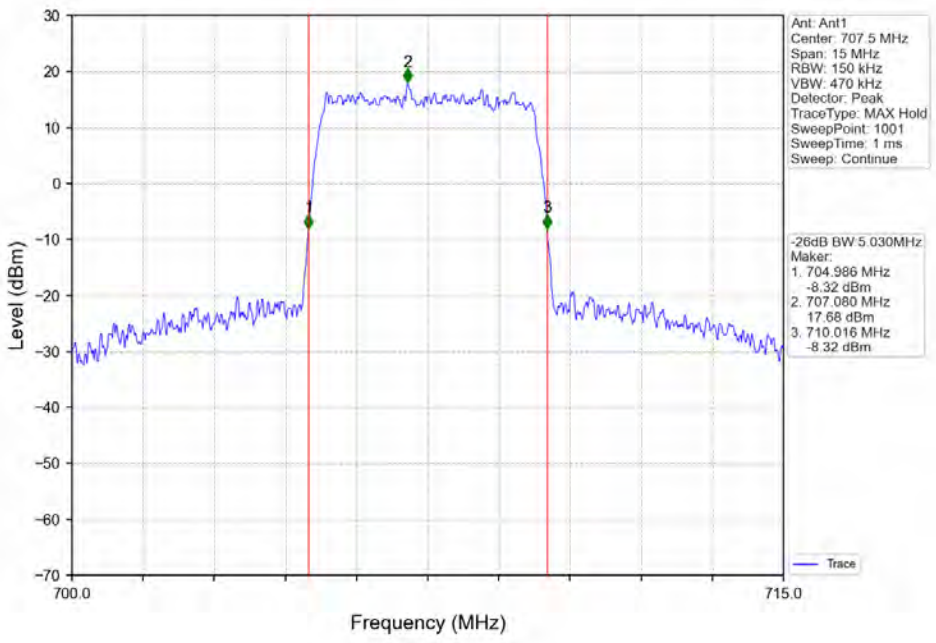
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



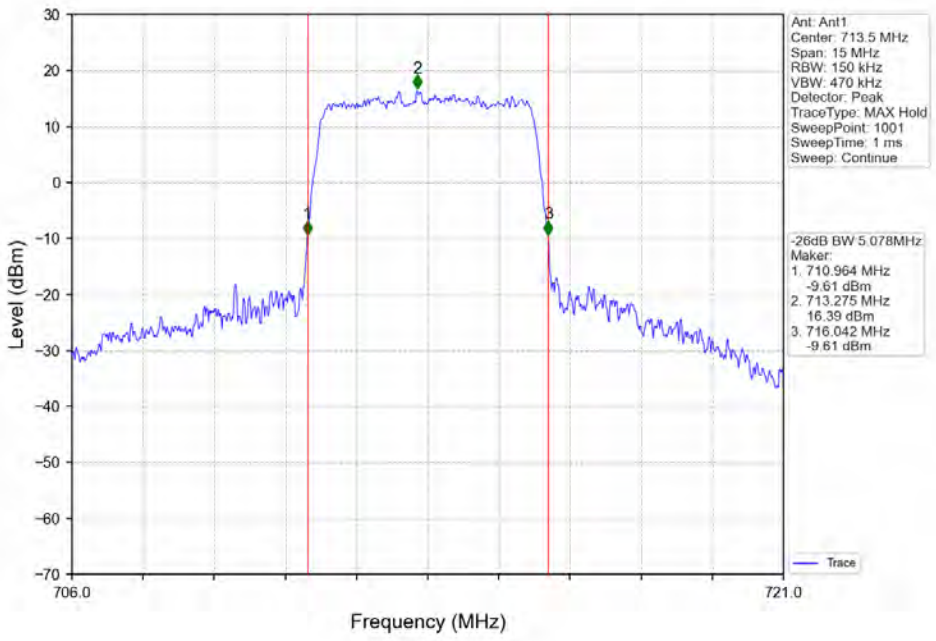
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



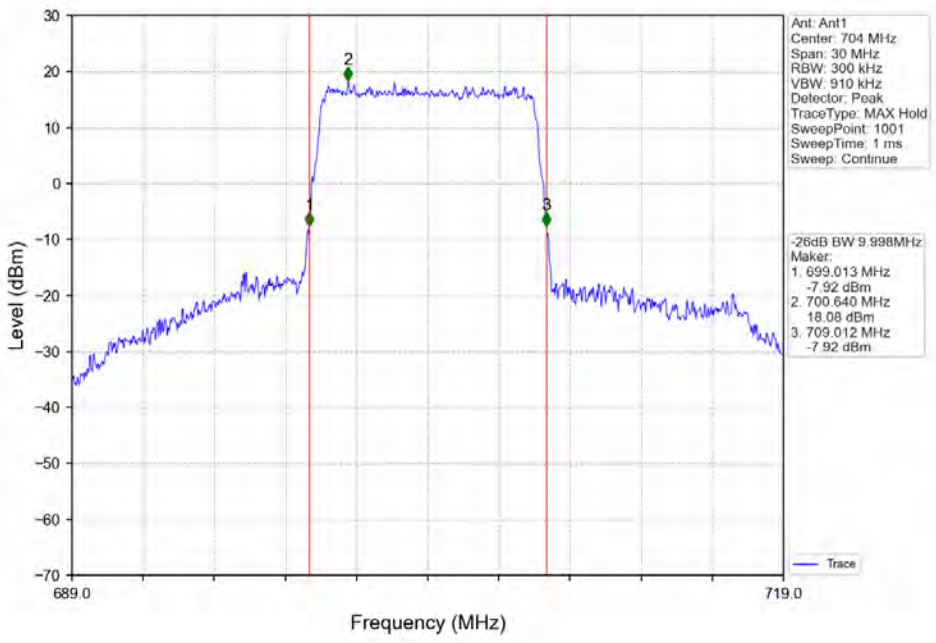
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



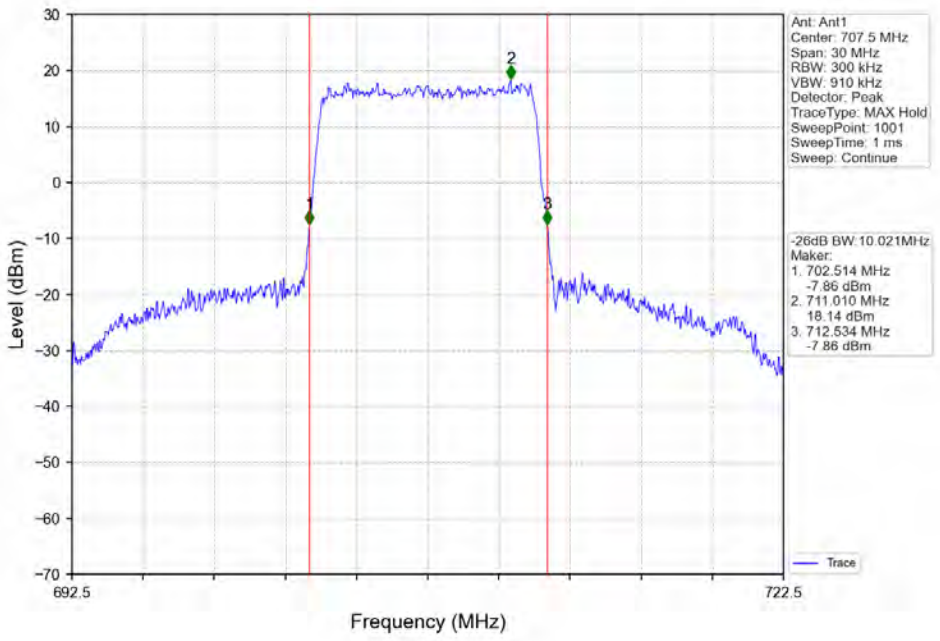
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



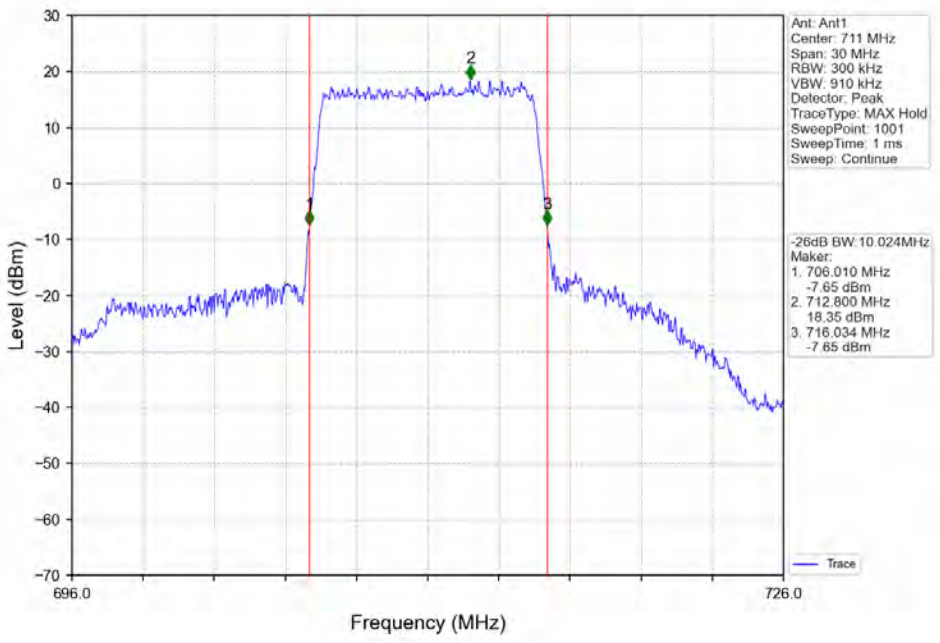
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



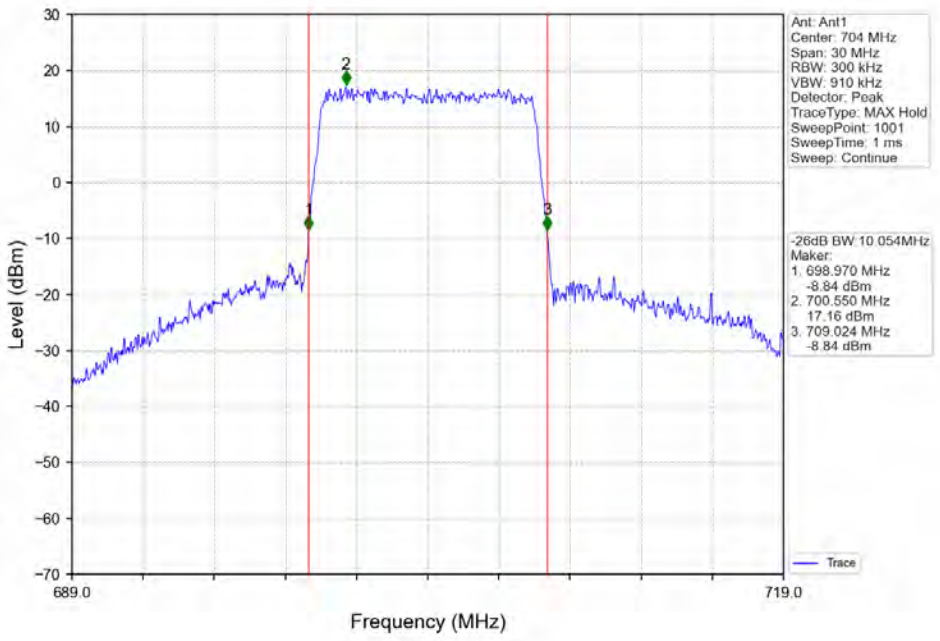
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



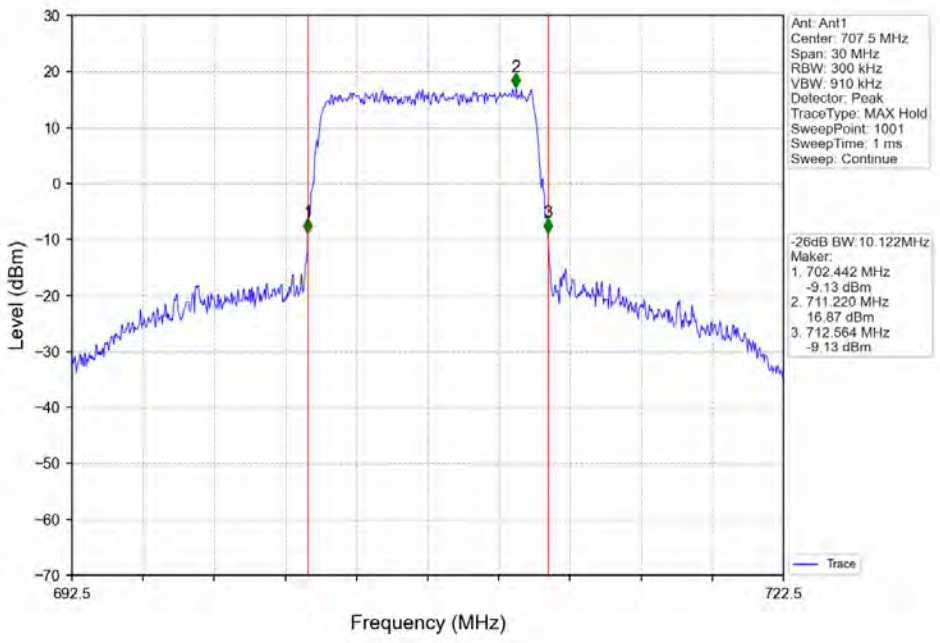
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



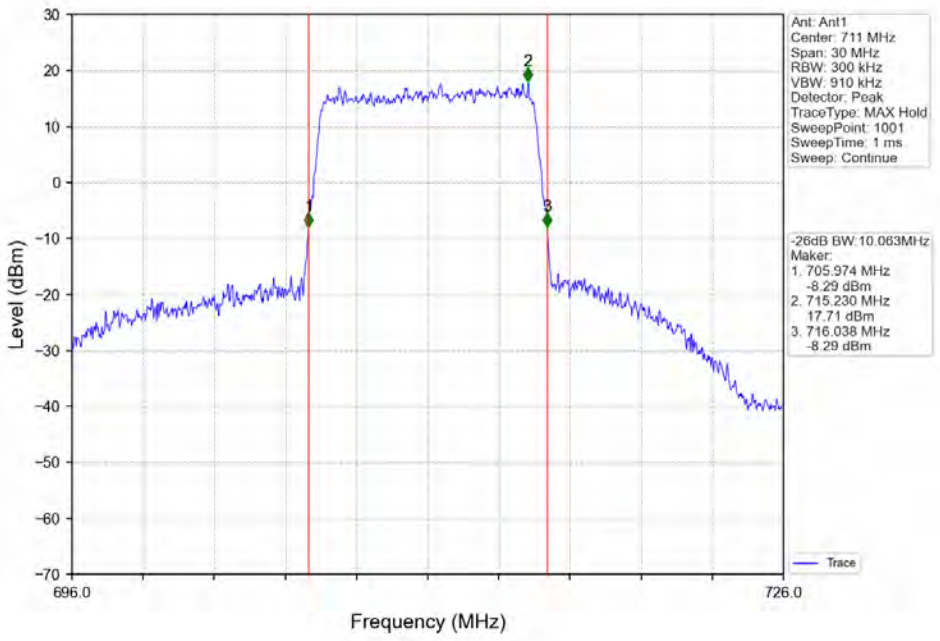
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



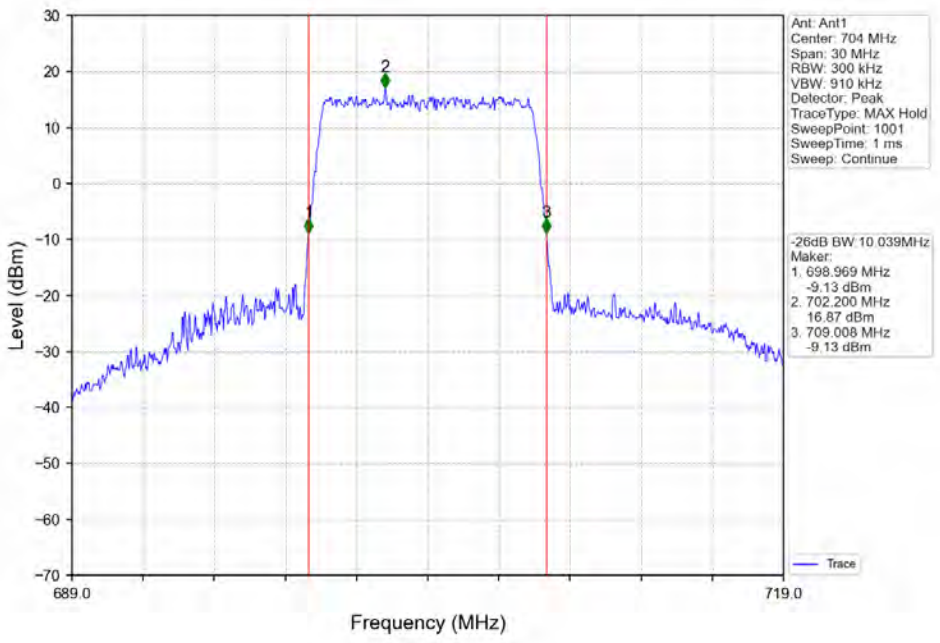
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



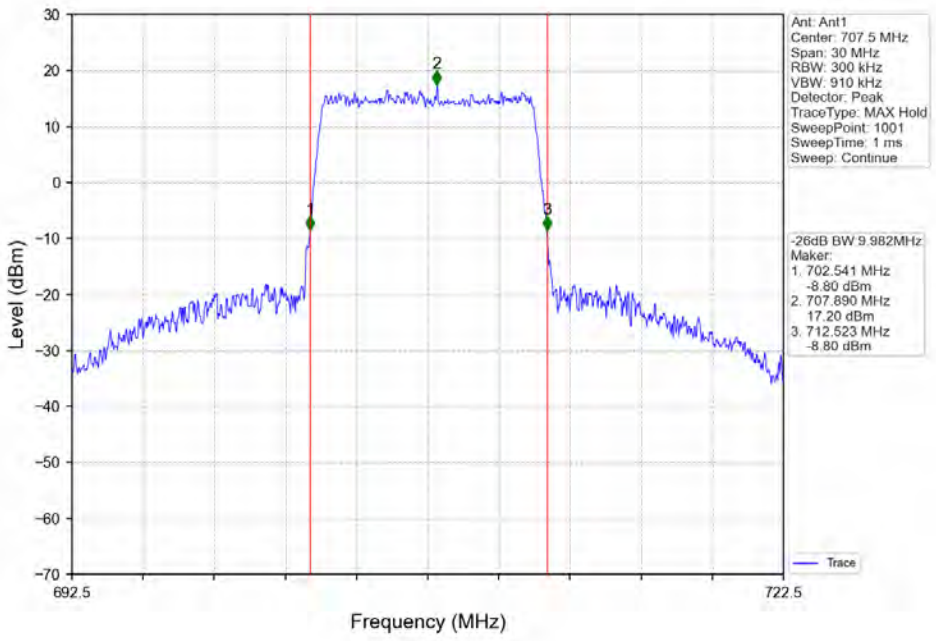
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



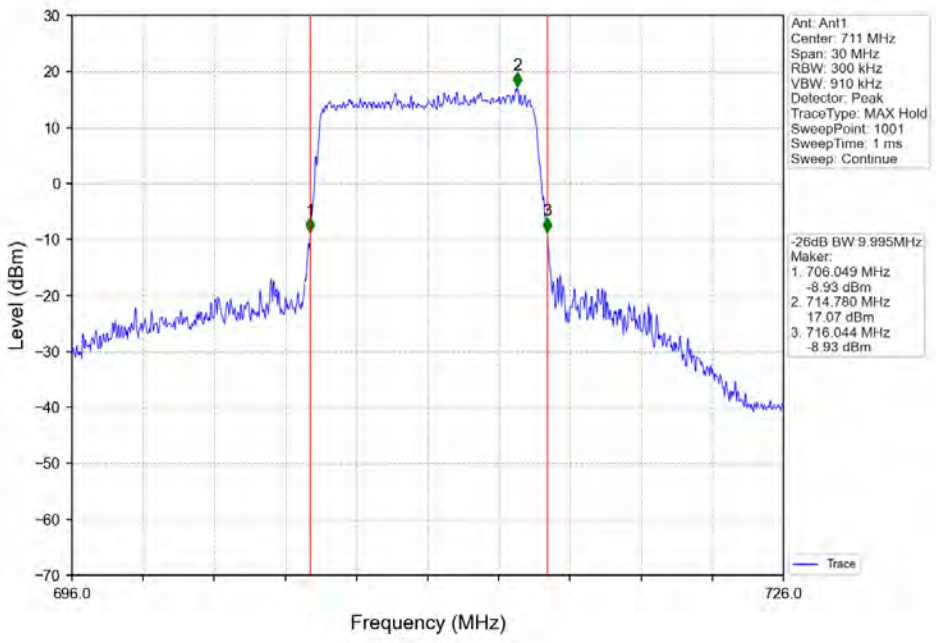
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

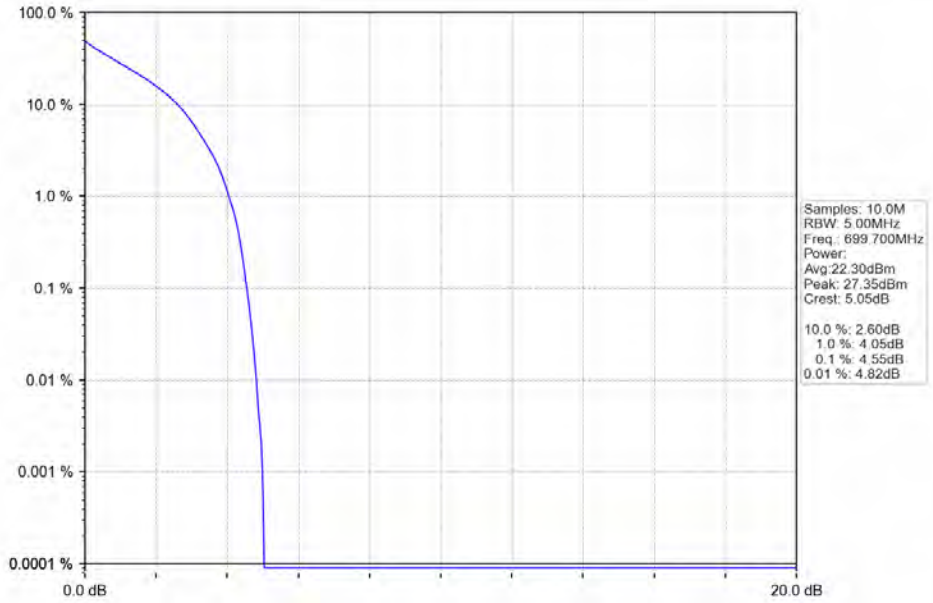


PEAK-AVERAGE RATIO B12_1.4MHZ TEST RESULT

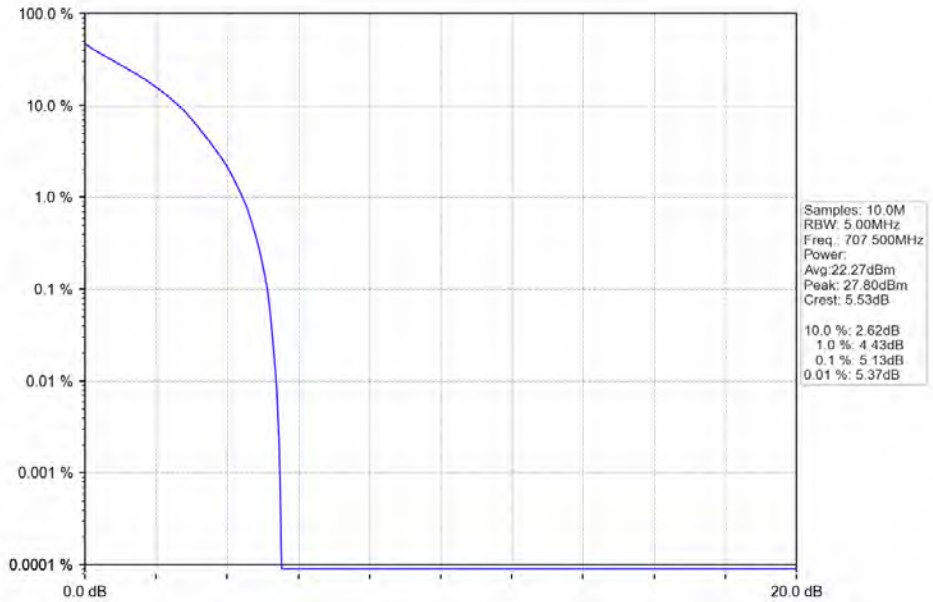
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.55	<=13	Pass
	707.5	6	0	5.13	<=13	Pass
	715.3	6	0	4.52	<=13	Pass
16QAM	699.7	6	0	5.34	<=13	Pass
	707.5	6	0	5.89	<=13	Pass
	715.3	6	0	5.27	<=13	Pass
64QAM	699.7	6	0	5.83	<=13	Pass
	707.5	6	0	6.49	<=13	Pass
	715.3	6	0	5.98	<=13	Pass

TEST GRAPH

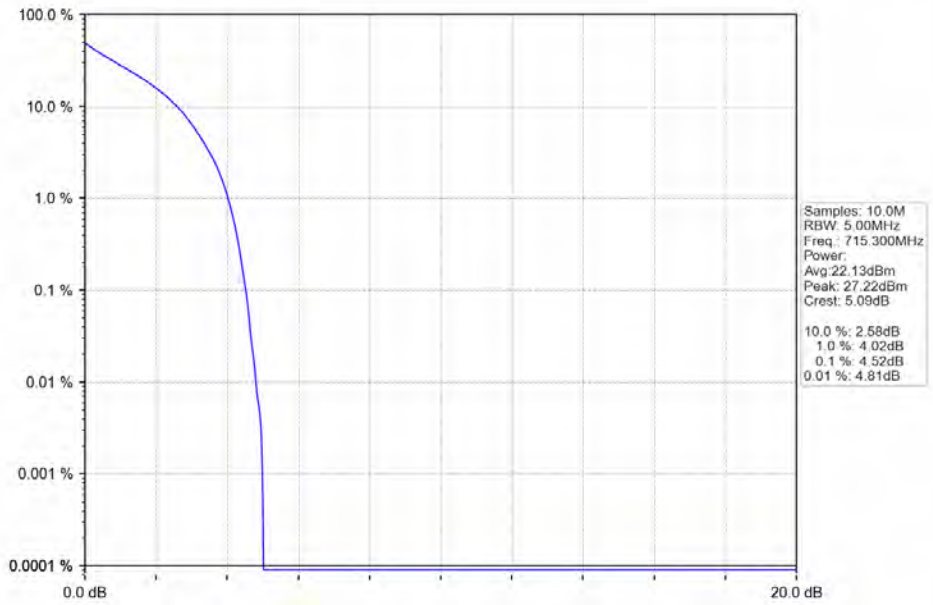
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



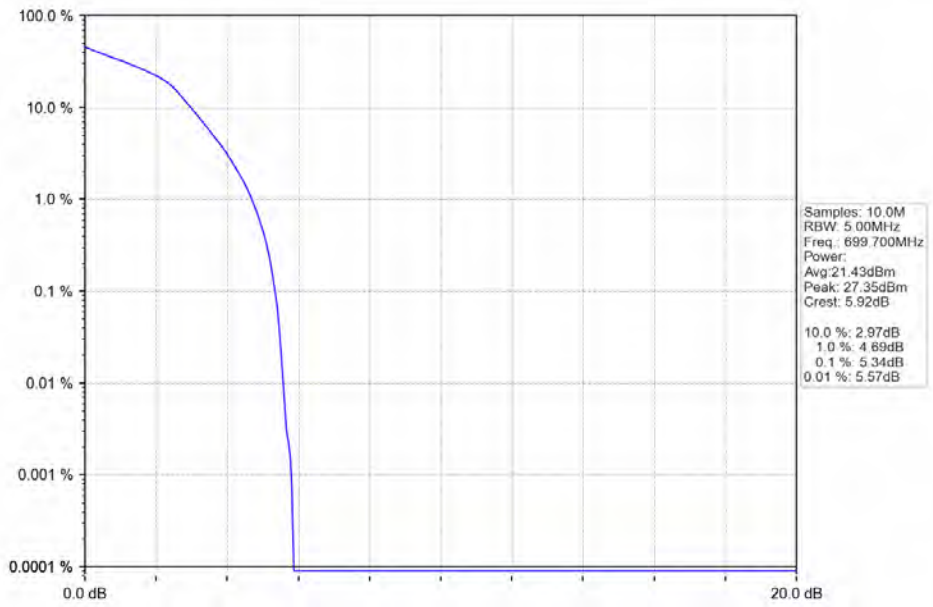
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



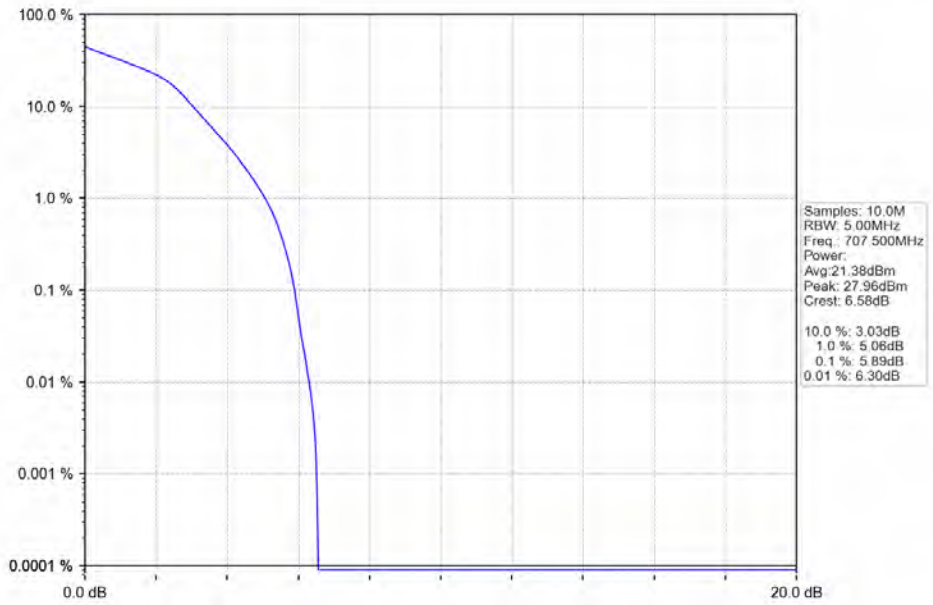
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



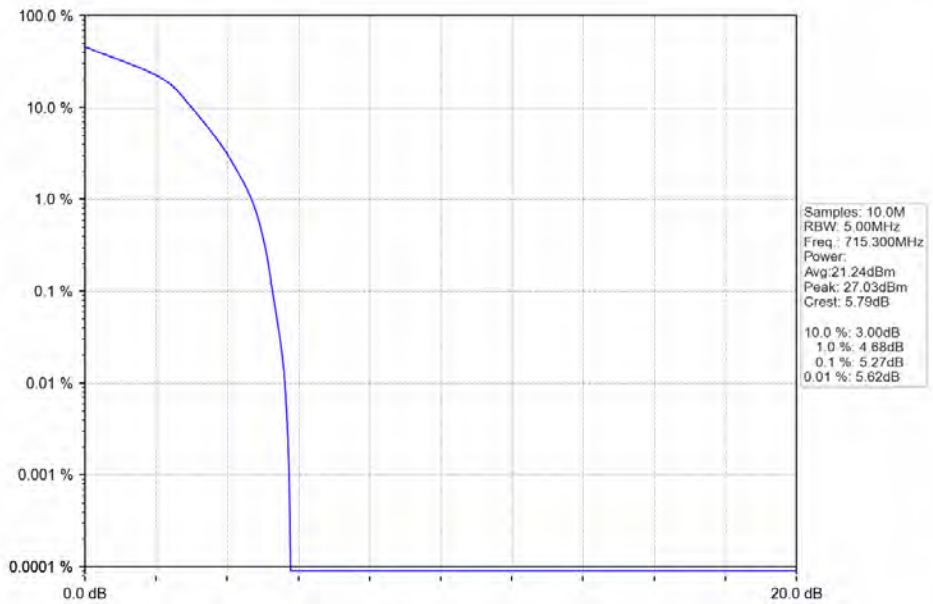
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



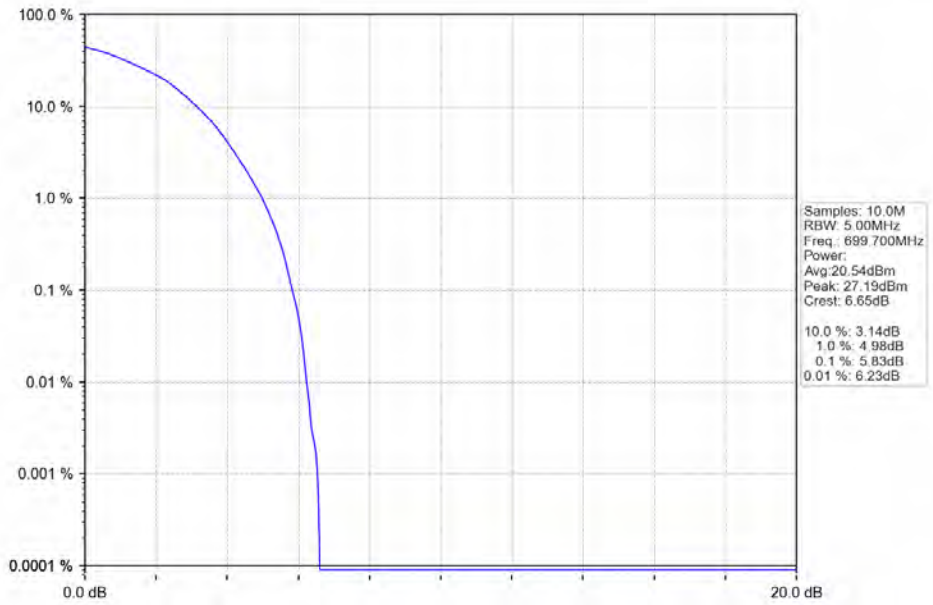
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



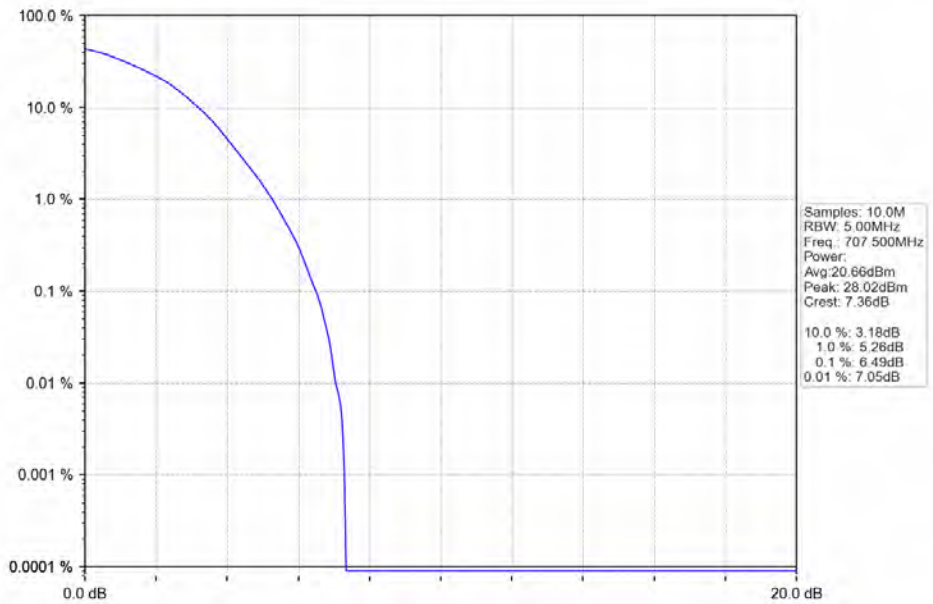
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



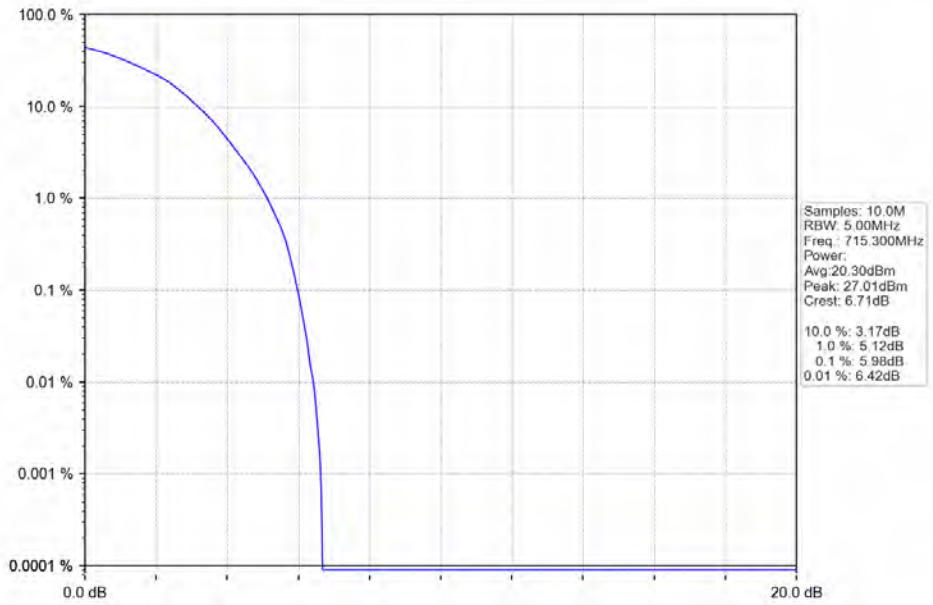
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV

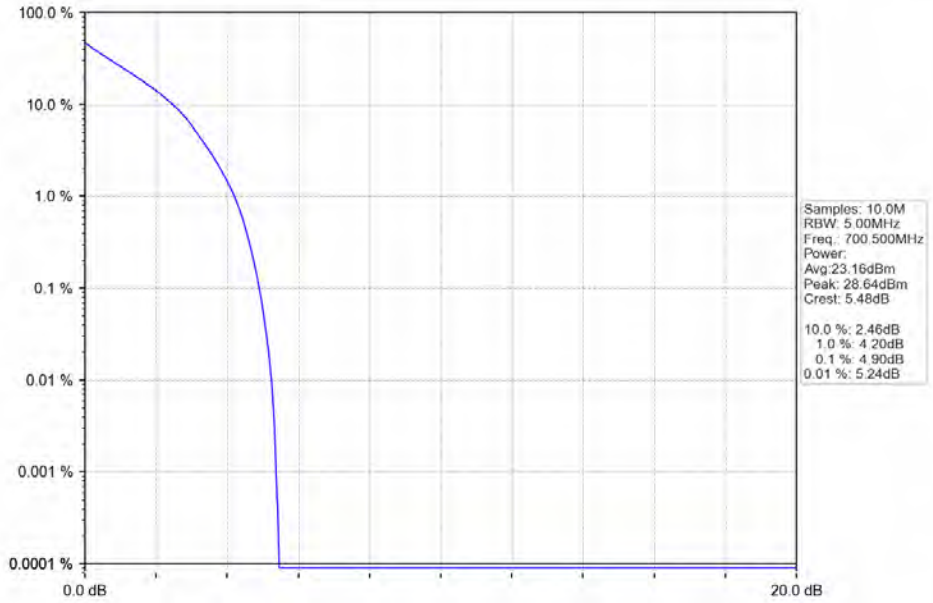


B12_3MHZ TEST RESULT

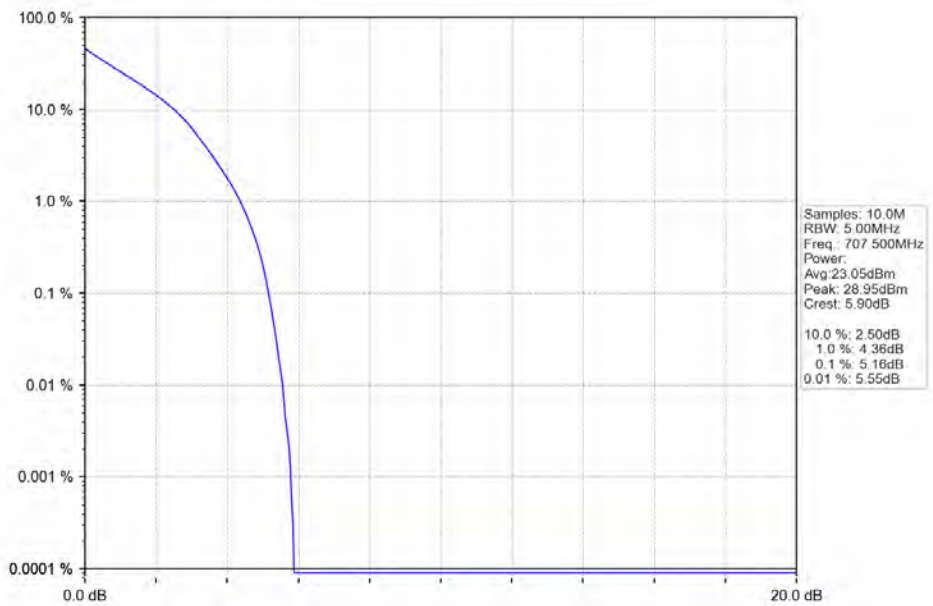
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.90	<=13	Pass
	707.5	15	0	5.16	<=13	Pass
	714.5	15	0	4.74	<=13	Pass
16QAM	700.5	15	0	5.69	<=13	Pass
	707.5	15	0	6.01	<=13	Pass
	714.5	15	0	5.62	<=13	Pass
64QAM	700.5	15	0	6.18	<=13	Pass
	707.5	15	0	6.43	<=13	Pass
	714.5	15	0	6.16	<=13	Pass

TEST GRAPH

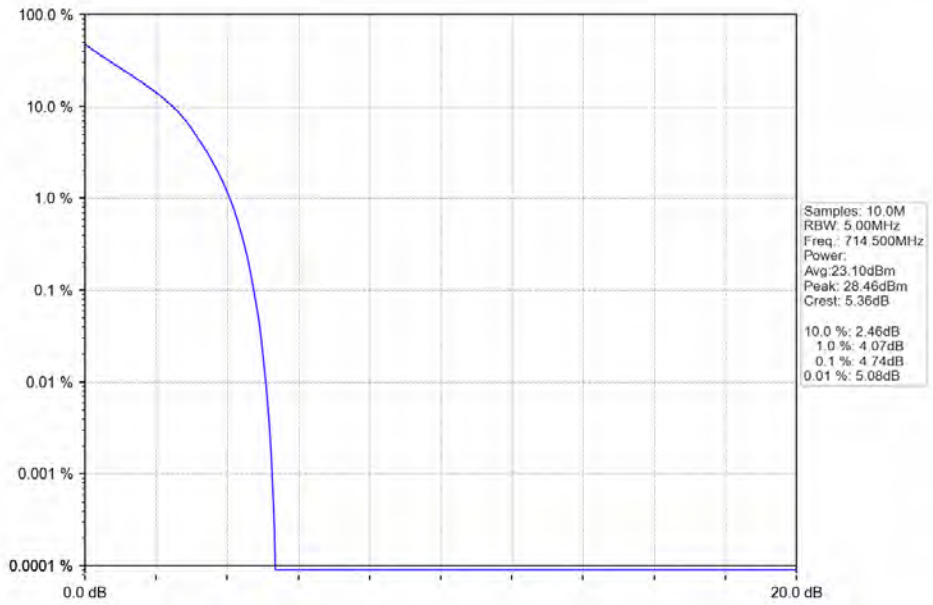
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



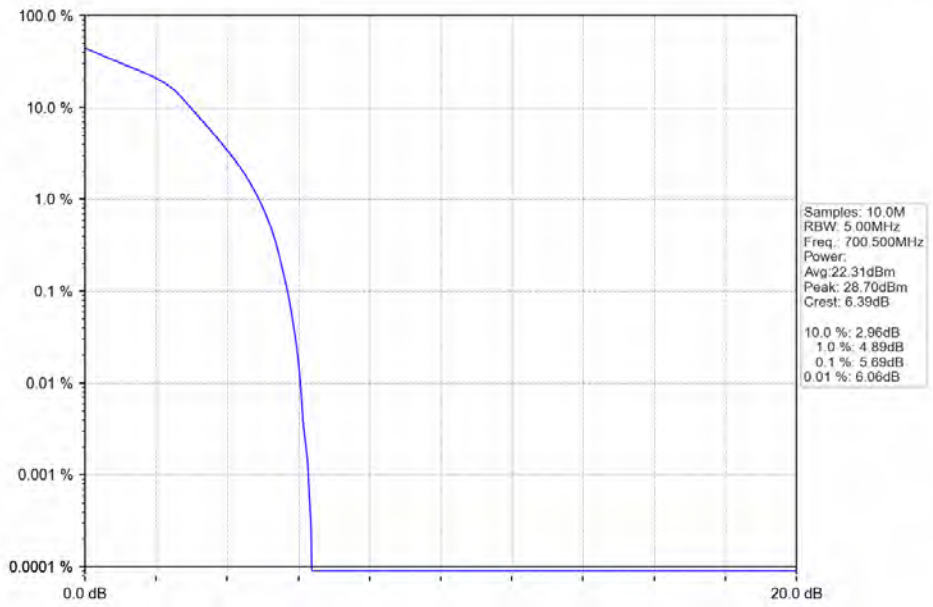
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



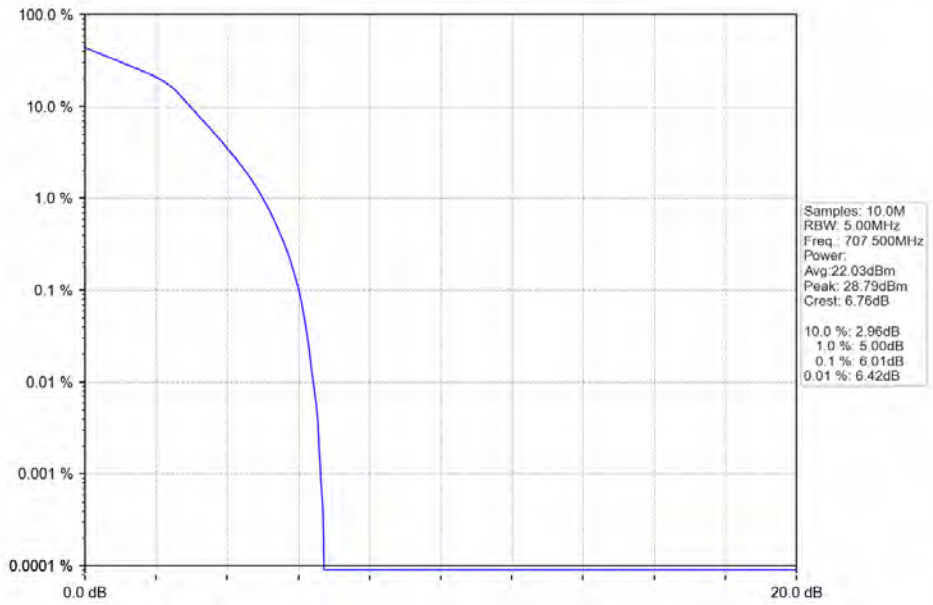
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



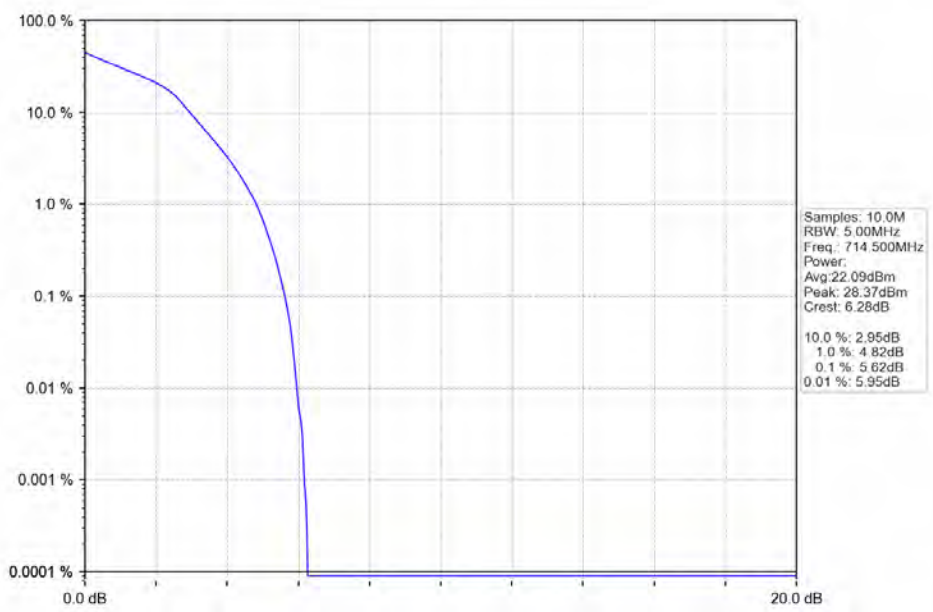
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



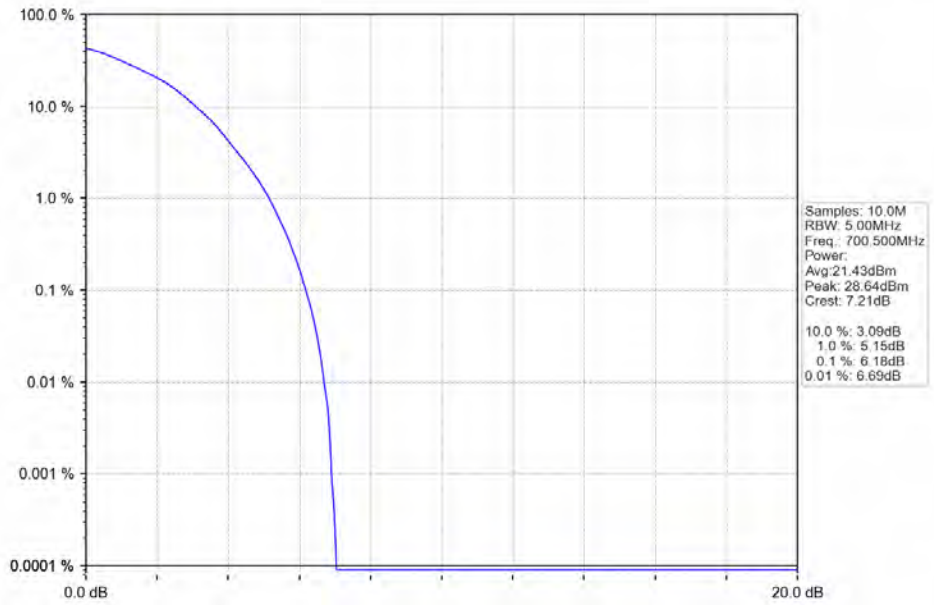
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



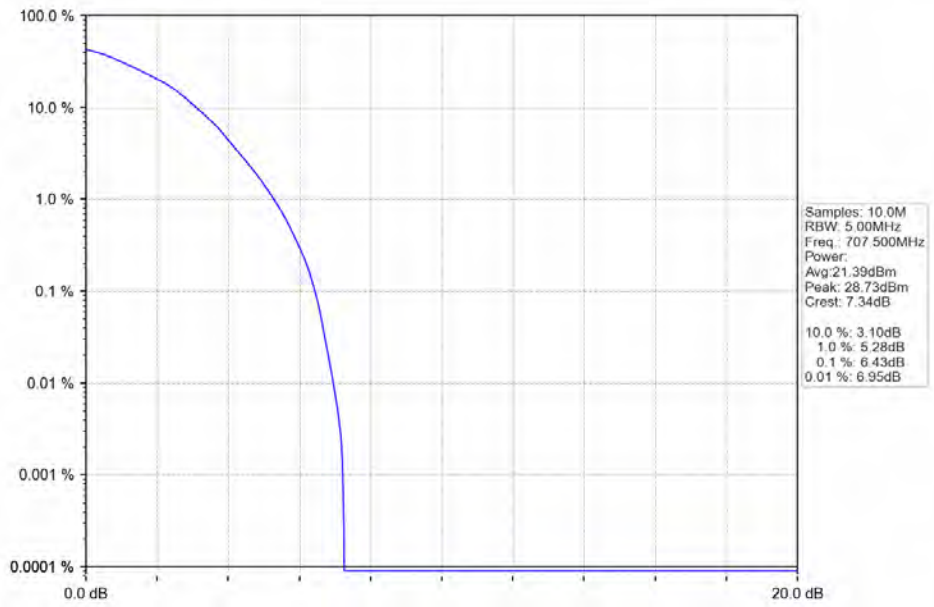
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



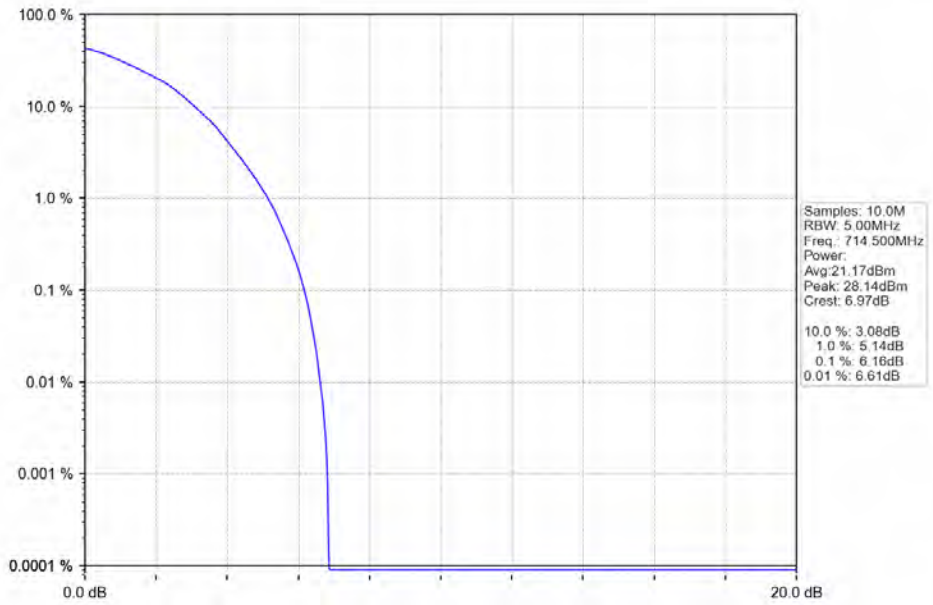
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV

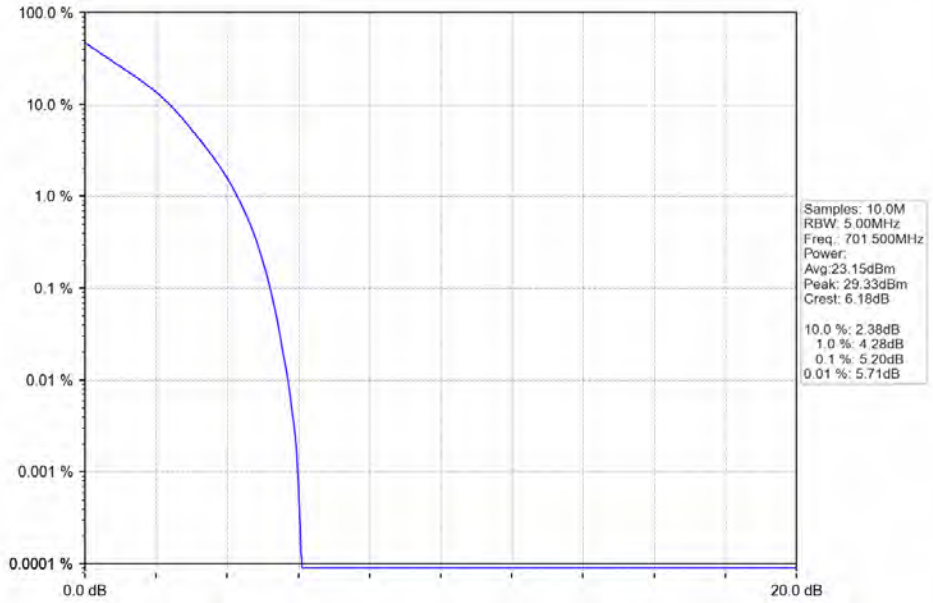


B12_5MHZ TEST RESULT

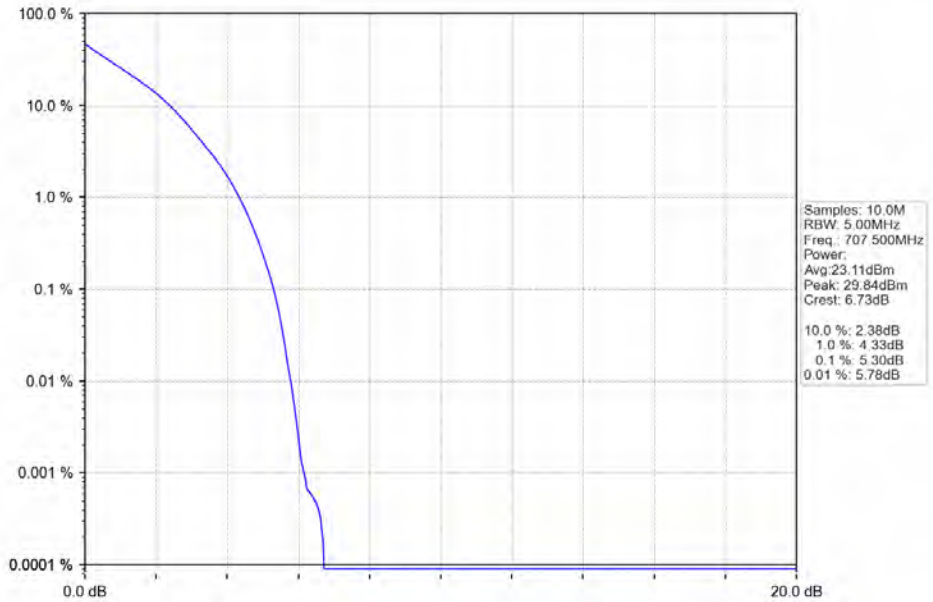
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.20	<=13	Pass
	707.5	25	0	5.30	<=13	Pass
	713.5	25	0	5.07	<=13	Pass
16QAM	701.5	25	0	5.94	<=13	Pass
	707.5	25	0	6.08	<=13	Pass
	713.5	25	0	5.81	<=13	Pass
64QAM	701.5	25	0	6.25	<=13	Pass
	707.5	25	0	6.40	<=13	Pass
	713.5	25	0	6.31	<=13	Pass

TEST GRAPH

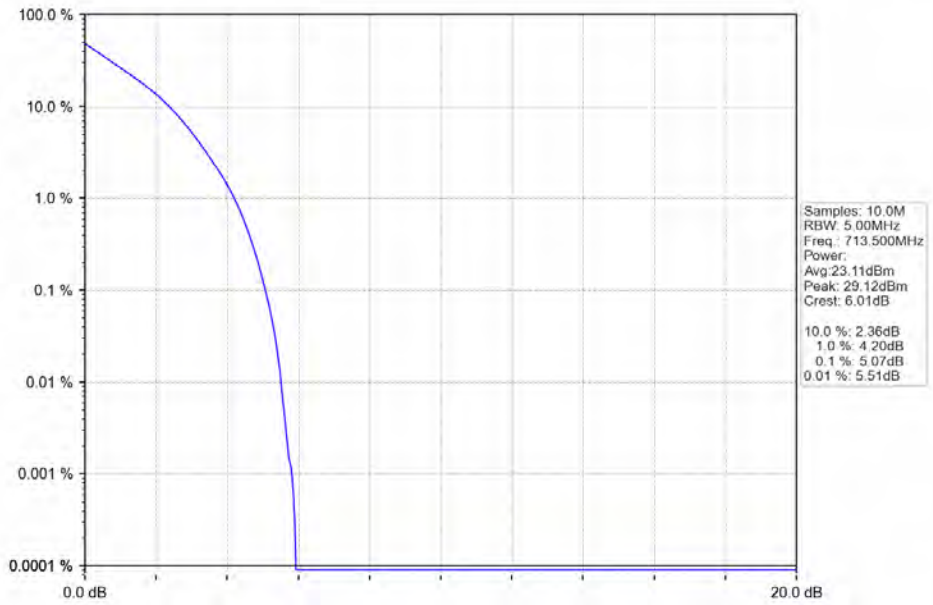
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



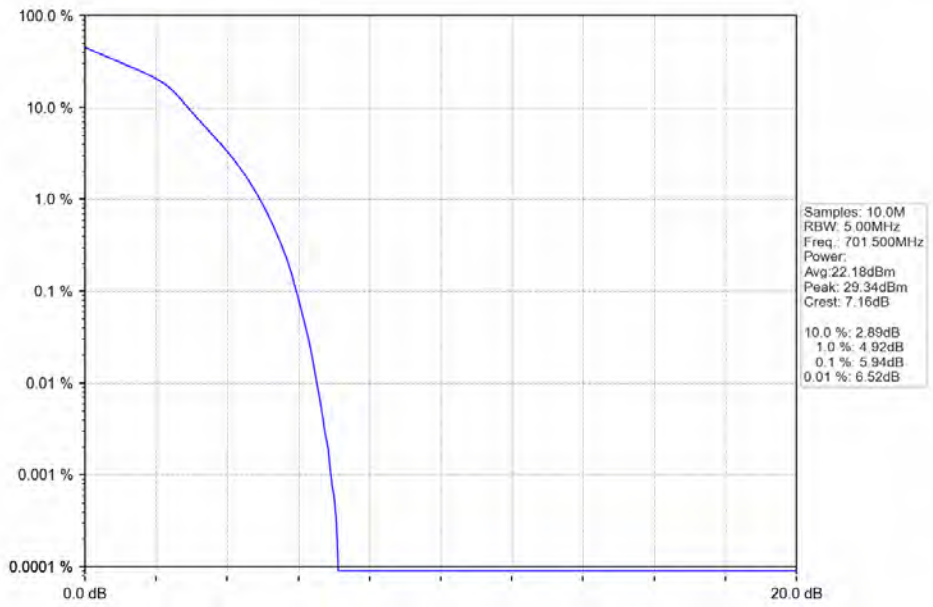
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



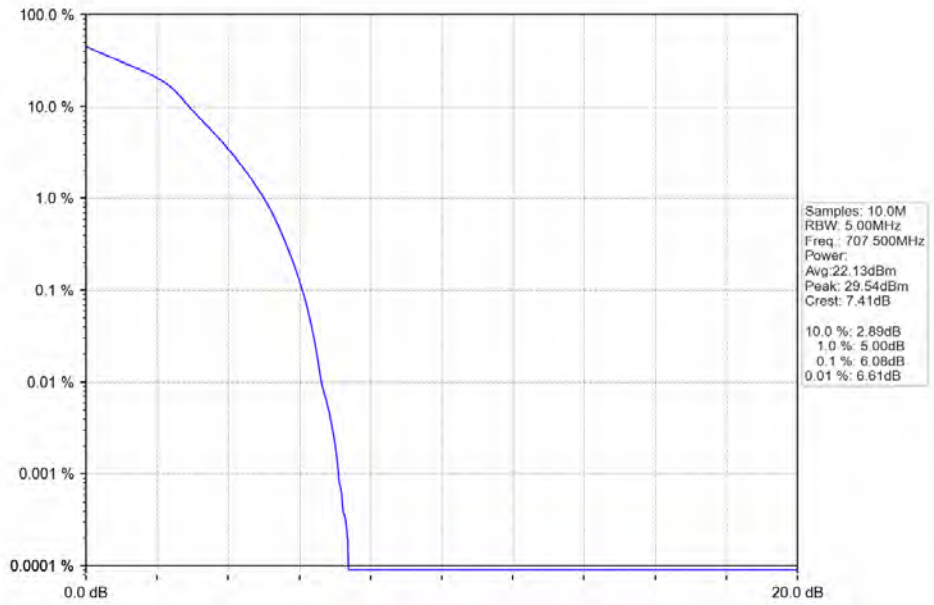
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



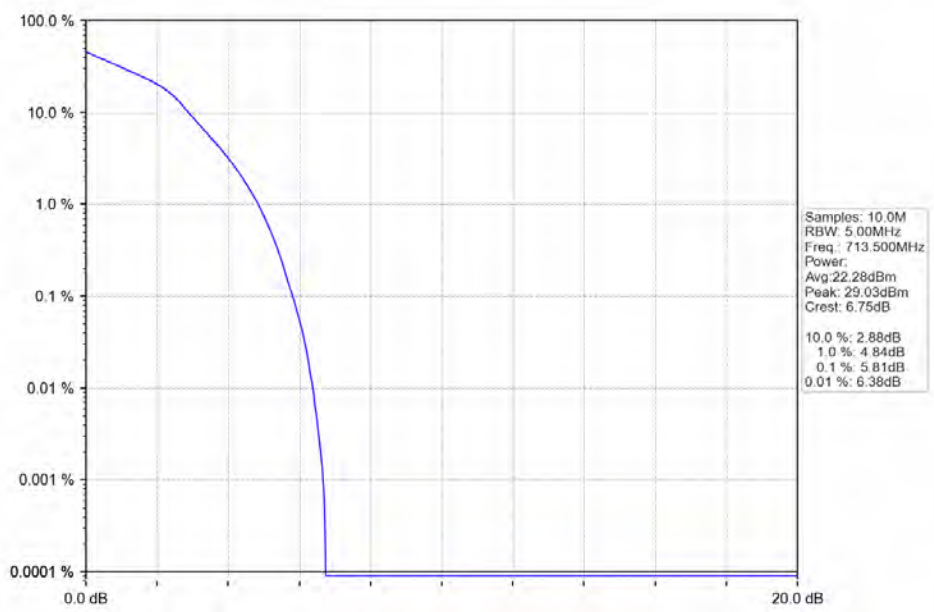
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



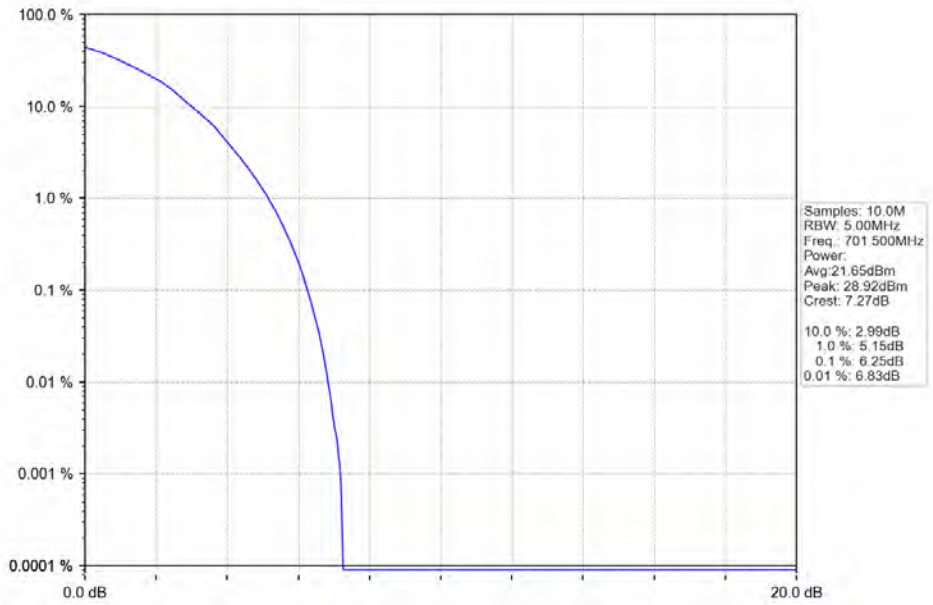
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



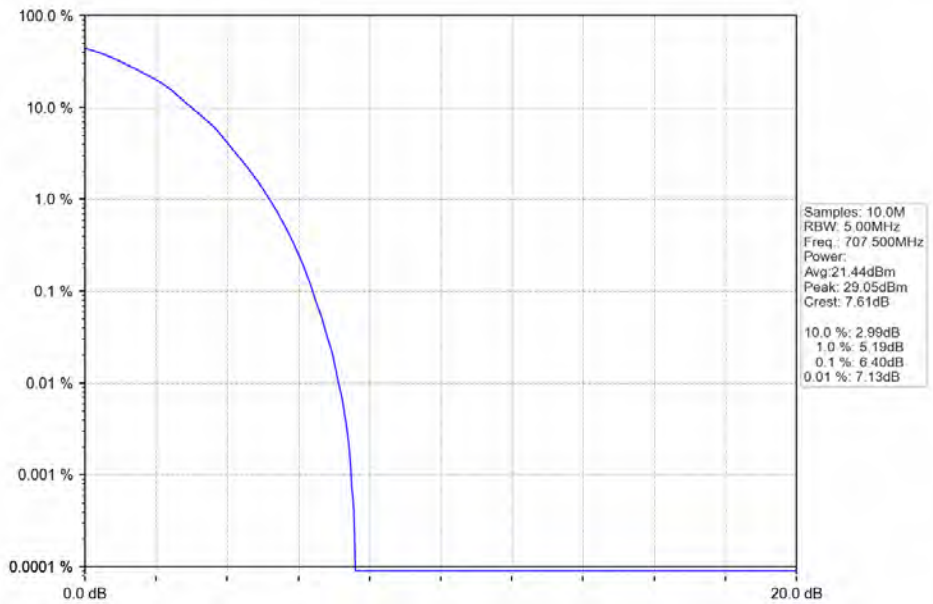
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



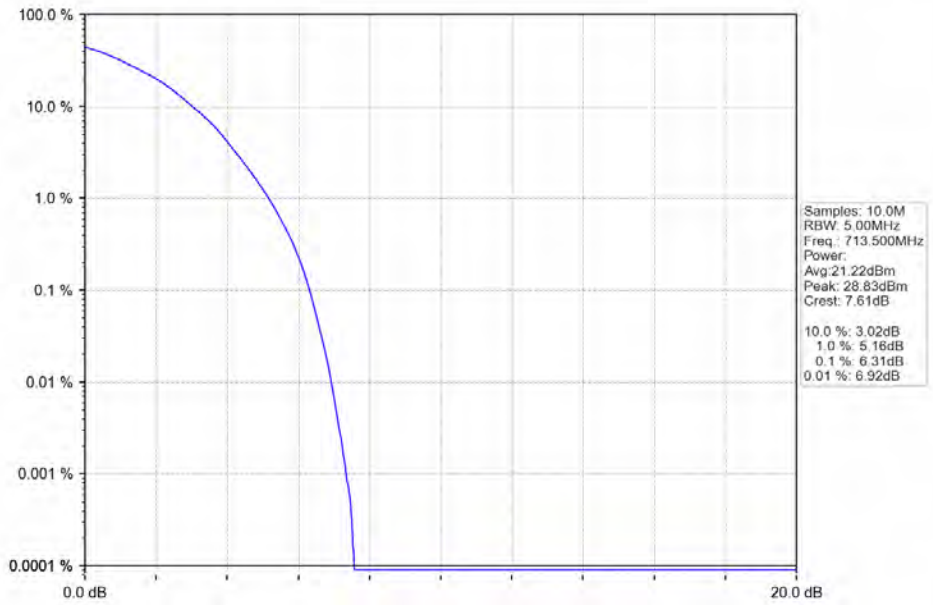
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

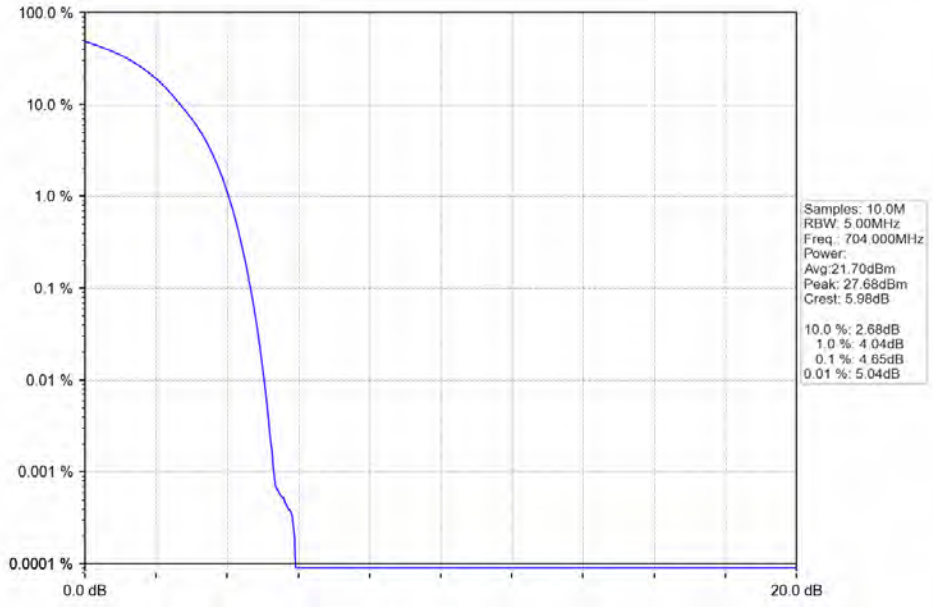


B12_10MHZ TEST RESULT

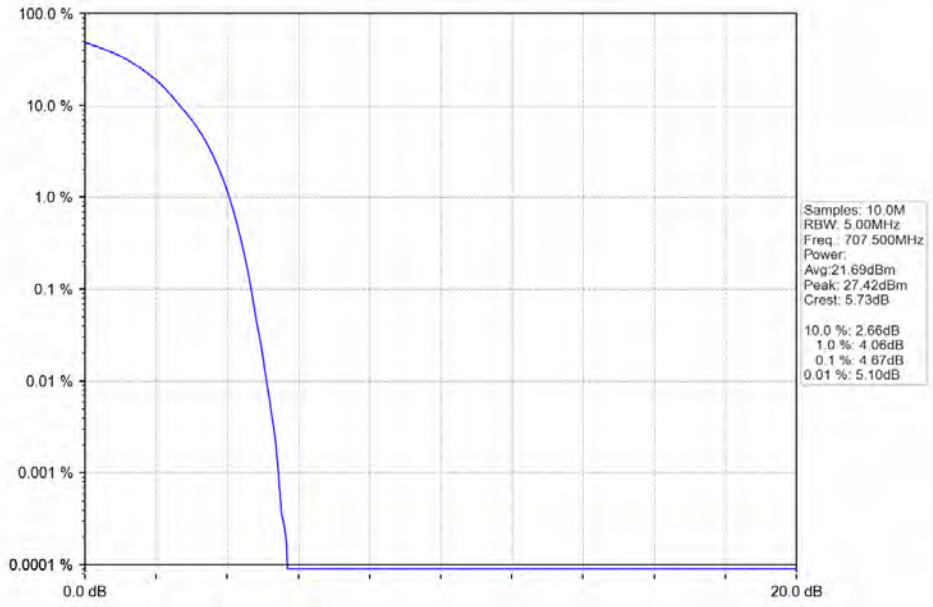
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.65	<=13	Pass
	707.5	50	0	4.67	<=13	Pass
	711	50	0	4.64	<=13	Pass
16QAM	704	50	0	6.11	<=13	Pass
	707.5	50	0	6.07	<=13	Pass
	711	50	0	6.10	<=13	Pass
64QAM	704	50	0	6.44	<=13	Pass
	707.5	50	0	6.40	<=13	Pass
	711	50	0	6.42	<=13	Pass

TEST GRAPH

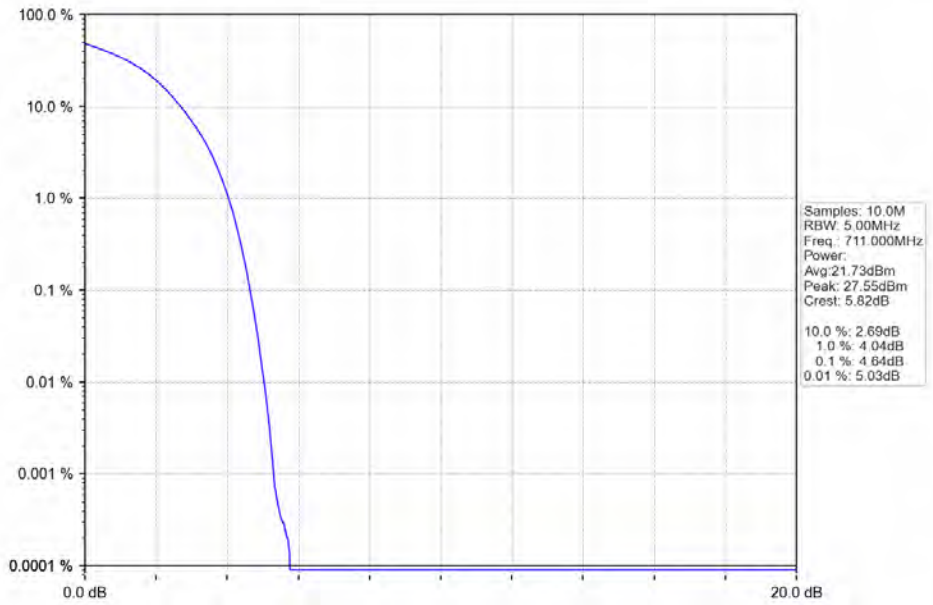
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



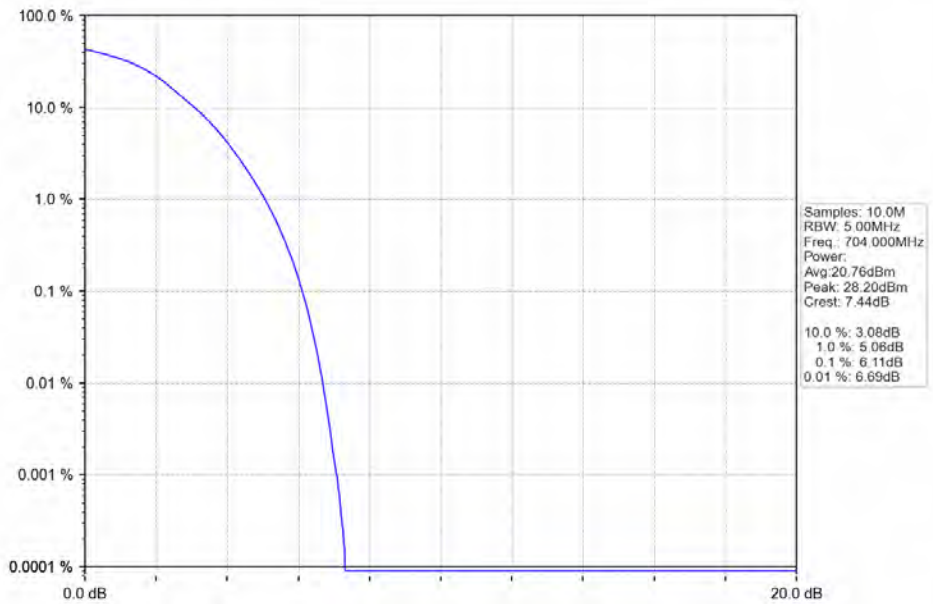
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



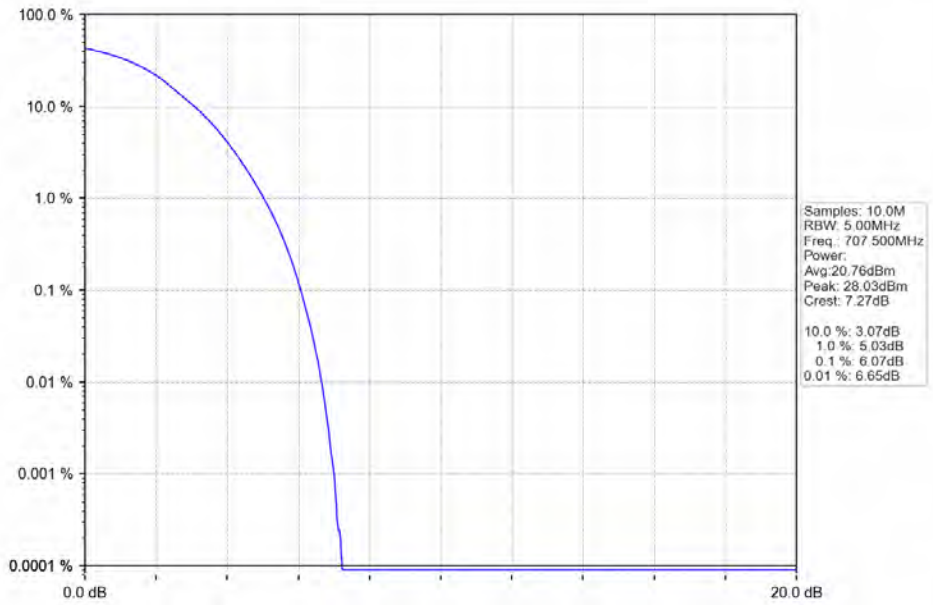
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



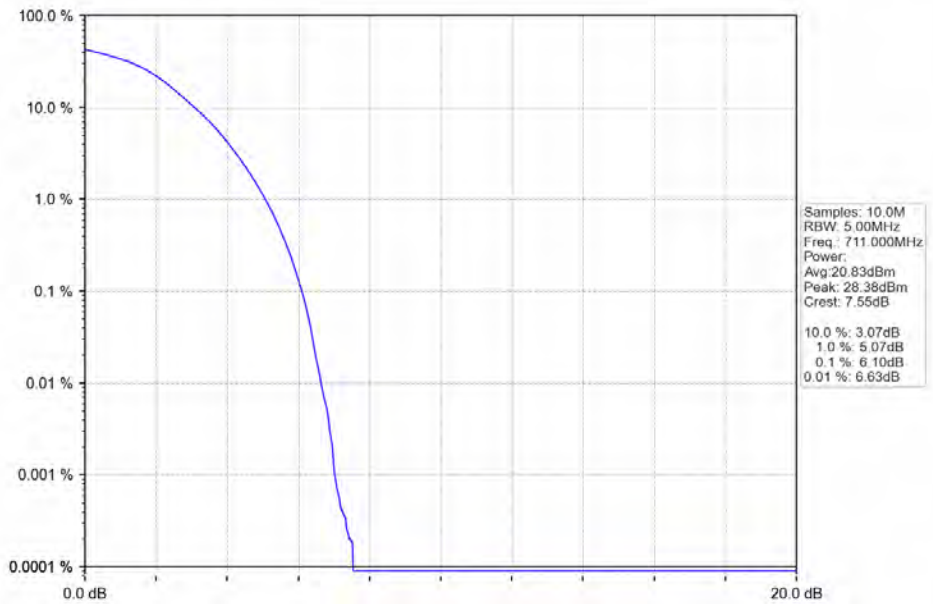
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



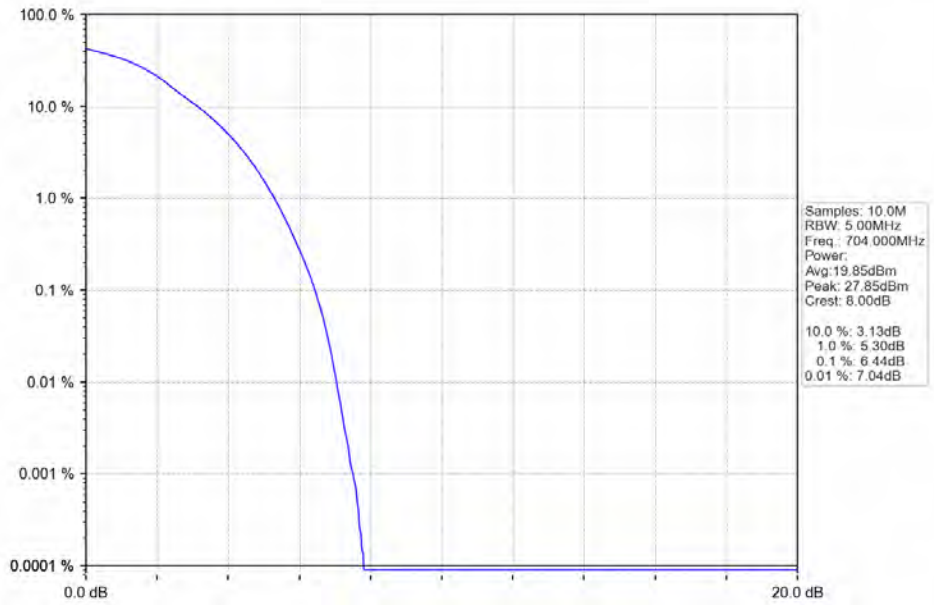
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



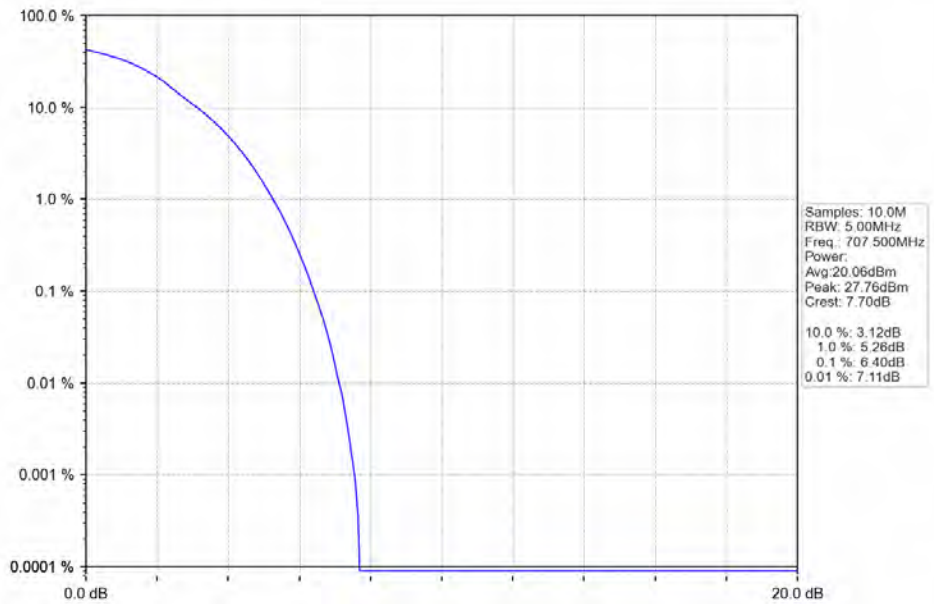
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



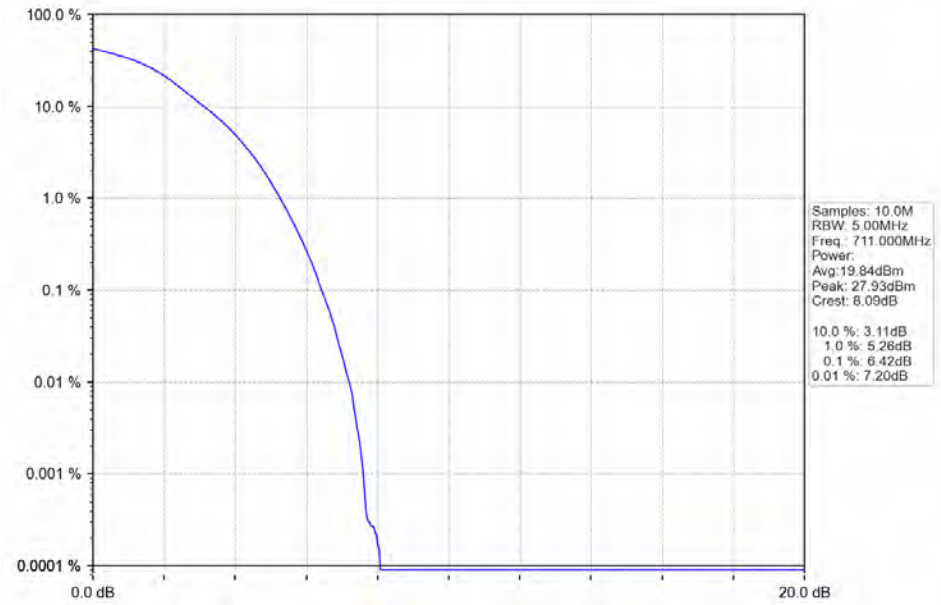
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



LTE BAND 13

FREQUENCY STABILITY B13_5MHZ TEST RESULT

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	3.27	14.48	0.02	-2.5 to 2.5	Pass
					3.85	17.17	0.02	-2.5 to 2.5	Pass
					4.43	16.68	0.02	-2.5 to 2.5	Pass
				-30	3.85	16.15	0.02	-2.5 to 2.5	Pass
				-20	3.85	14.65	0.02	-2.5 to 2.5	Pass
				-10	3.85	13.26	0.02	-2.5 to 2.5	Pass
				0	3.85	11.92	0.02	-2.5 to 2.5	Pass
				10	3.85	8.58	0.01	-2.5 to 2.5	Pass
				30	3.85	4.71	0.01	-2.5 to 2.5	Pass
				40	3.85	3.13	0.00	-2.5 to 2.5	Pass
				50	3.85	-1.14	-0.00	-2.5 to 2.5	Pass
	782	25	0	20	3.27	3.28	0.00	-2.5 to 2.5	Pass
					3.85	2.77	0.00	-2.5 to 2.5	Pass
					4.43	2.58	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.23	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.90	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.60	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.38	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.44	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.35	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.37	-0.01	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-1.76	-0.00	-2.5 to 2.5	Pass
					3.85	-0.46	-0.00	-2.5 to 2.5	Pass
					4.43	0.32	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.21	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.42	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.98	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.62	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.49	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.14	-0.01	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.27	-4.03	-0.01	-2.5 to 2.5	Pass
					3.85	-4.06	-0.01	-2.5 to 2.5	Pass
					4.43	-7.45	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.80	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-6.95	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.90	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.44	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.64	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.80	-0.01	-2.5 to 2.5	Pass
				40	3.85	-9.14	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.50	-0.01	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-7.02	-0.01	-2.5 to 2.5	Pass
					3.85	-8.05	-0.01	-2.5 to 2.5	Pass
					4.43	-7.24	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.70	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-6.01	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.24	-0.01	-2.5 to 2.5	Pass

				0	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.03	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.07	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.74	0.00	-2.5 to 2.5	Pass
				50	3.85	1.73	0.00	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-8.03	-0.01	-2.5 to 2.5	Pass
					3.85	-7.88	-0.01	-2.5 to 2.5	Pass
					4.43	-8.88	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.34	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-5.36	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				0	3.85	-2.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.87	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.10	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.13	-0.00	-2.5 to 2.5	Pass
				50	3.85	1.95	0.00	-2.5 to 2.5	Pass
64QAM	779.5	25	0	20	3.27	-9.69	-0.01	-2.5 to 2.5	Pass
					3.85	-9.70	-0.01	-2.5 to 2.5	Pass
					4.43	-9.21	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.84	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-7.65	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.22	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.41	-0.01	-2.5 to 2.5	Pass
				30	3.85	-9.86	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.39	-0.01	-2.5 to 2.5	Pass
	782	25	0	20	3.27	2.82	0.00	-2.5 to 2.5	Pass
					3.85	6.15	0.01	-2.5 to 2.5	Pass
					4.43	8.54	0.01	-2.5 to 2.5	Pass
				-30	3.85	11.09	0.01	-2.5 to 2.5	Pass
				-20	3.85	12.79	0.02	-2.5 to 2.5	Pass
				-10	3.85	13.92	0.02	-2.5 to 2.5	Pass
				0	3.85	16.49	0.02	-2.5 to 2.5	Pass
				10	3.85	18.25	0.02	-2.5 to 2.5	Pass
				30	3.85	22.45	0.03	-2.5 to 2.5	Pass
				40	3.85	25.21	0.03	-2.5 to 2.5	Pass
				50	3.85	26.74	0.03	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	3.15	0.00	-2.5 to 2.5	Pass
					3.85	3.90	0.01	-2.5 to 2.5	Pass
					4.43	5.08	0.01	-2.5 to 2.5	Pass
				-30	3.85	7.84	0.01	-2.5 to 2.5	Pass
				-20	3.85	10.57	0.01	-2.5 to 2.5	Pass
				-10	3.85	13.23	0.02	-2.5 to 2.5	Pass
				0	3.85	16.94	0.02	-2.5 to 2.5	Pass
				10	3.85	19.75	0.03	-2.5 to 2.5	Pass
				30	3.85	24.49	0.03	-2.5 to 2.5	Pass
				40	3.85	28.52	0.04	-2.5 to 2.5	Pass
				50	3.85	32.99	0.04	-2.5 to 2.5	Pass

B13_10MHZ TEST RESULT

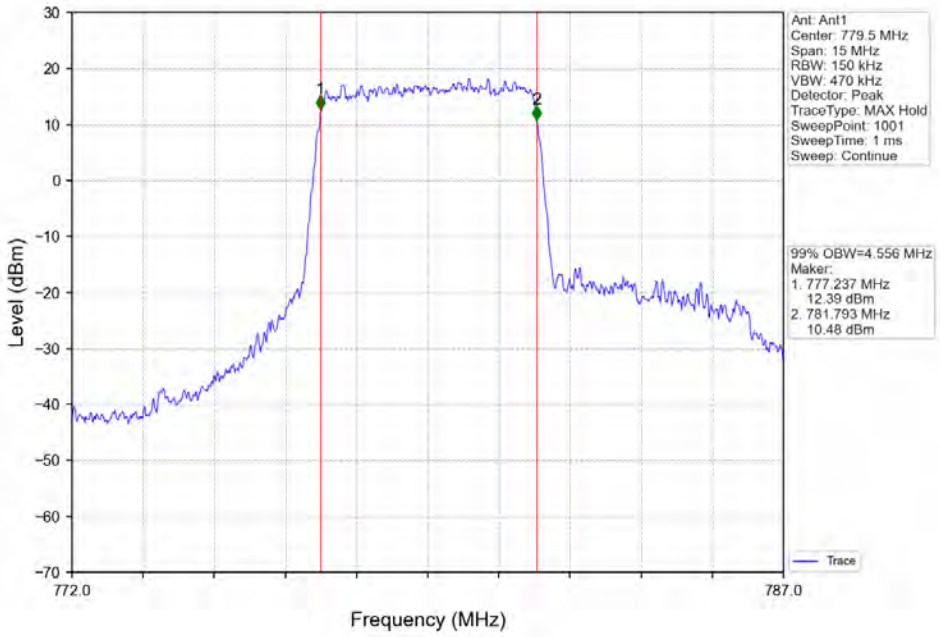
Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.27	7.94	0.01	-2.5 to 2.5	Pass
					3.85	10.21	0.01	-2.5 to 2.5	Pass
					4.43	12.27	0.02	-2.5 to 2.5	Pass
				-30	3.85	10.76	0.01	-2.5 to 2.5	Pass
				-20	3.85	2.27	0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.38	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.59	-0.01	-2.5 to 2.5	Pass
				10	3.85	-13.12	-0.02	-2.5 to 2.5	Pass
				30	3.85	-19.67	-0.03	-2.5 to 2.5	Pass
				40	3.85	-25.22	-0.03	-2.5 to 2.5	Pass
				50	3.85	-29.73	-0.04	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.27	-33.73	-0.04	-2.5 to 2.5	Pass
					3.85	-36.75	-0.05	-2.5 to 2.5	Pass
					4.43	-38.52	-0.05	-2.5 to 2.5	Pass
				-30	3.85	-39.37	-0.05	-2.5 to 2.5	Pass
				-20	3.85	-40.00	-0.05	-2.5 to 2.5	Pass
				-10	3.85	-39.04	-0.05	-2.5 to 2.5	Pass
				0	3.85	-38.42	-0.05	-2.5 to 2.5	Pass
				10	3.85	-37.31	-0.05	-2.5 to 2.5	Pass
				30	3.85	-38.08	-0.05	-2.5 to 2.5	Pass
				40	3.85	-36.91	-0.05	-2.5 to 2.5	Pass
				50	3.85	-34.50	-0.04	-2.5 to 2.5	Pass
64QAM	782	50	0	20	3.27	-33.46	-0.04	-2.5 to 2.5	Pass
					3.85	-30.90	-0.04	-2.5 to 2.5	Pass
					4.43	-25.98	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-21.52	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-17.91	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-15.89	-0.02	-2.5 to 2.5	Pass
				0	3.85	-9.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.28	-0.01	-2.5 to 2.5	Pass
				30	3.85	-0.36	-0.00	-2.5 to 2.5	Pass
				40	3.85	3.62	0.00	-2.5 to 2.5	Pass
				50	3.85	7.87	0.01	-2.5 to 2.5	Pass

99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

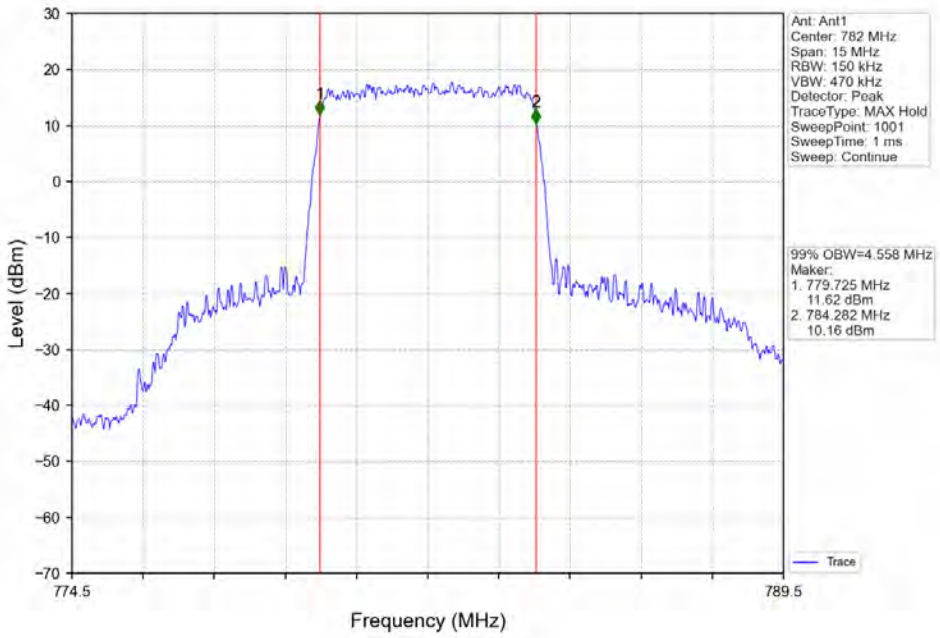
Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	4.556	Pass
		782	25	0	4.558	Pass
		784.5	25	0	4.547	Pass
	16QAM	779.5	25	0	4.544	Pass
		782	25	0	4.569	Pass
		784.5	25	0	4.543	Pass
	64QAM	779.5	25	0	4.538	Pass
		782	25	0	4.555	Pass
		784.5	25	0	4.552	Pass
10	QPSK	782	50	0	9.039	Pass
	16QAM	782	50	0	9.038	Pass
	64QAM	782	50	0	9.041	Pass

TEST GRAPH

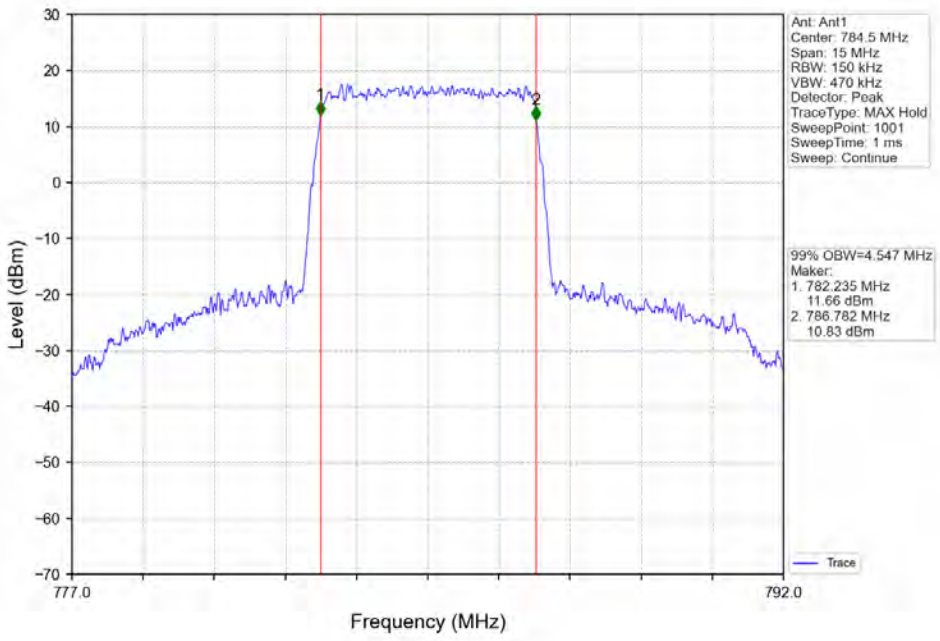
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



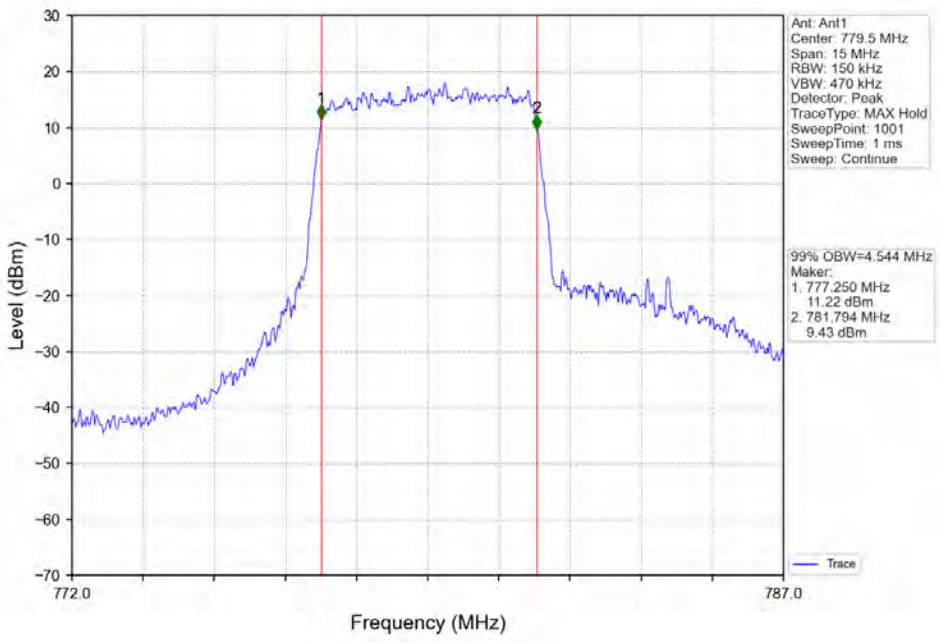
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



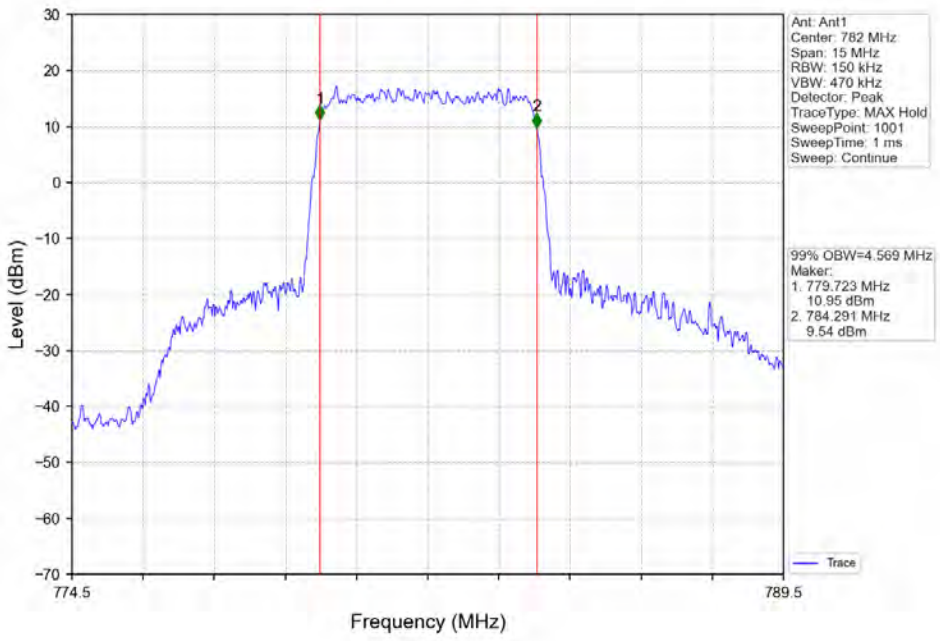
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



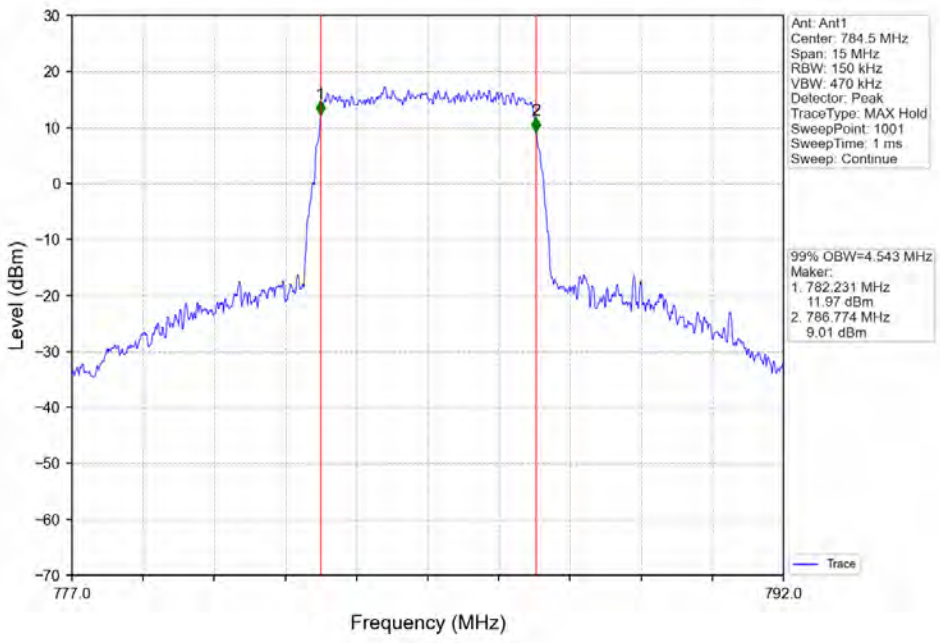
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



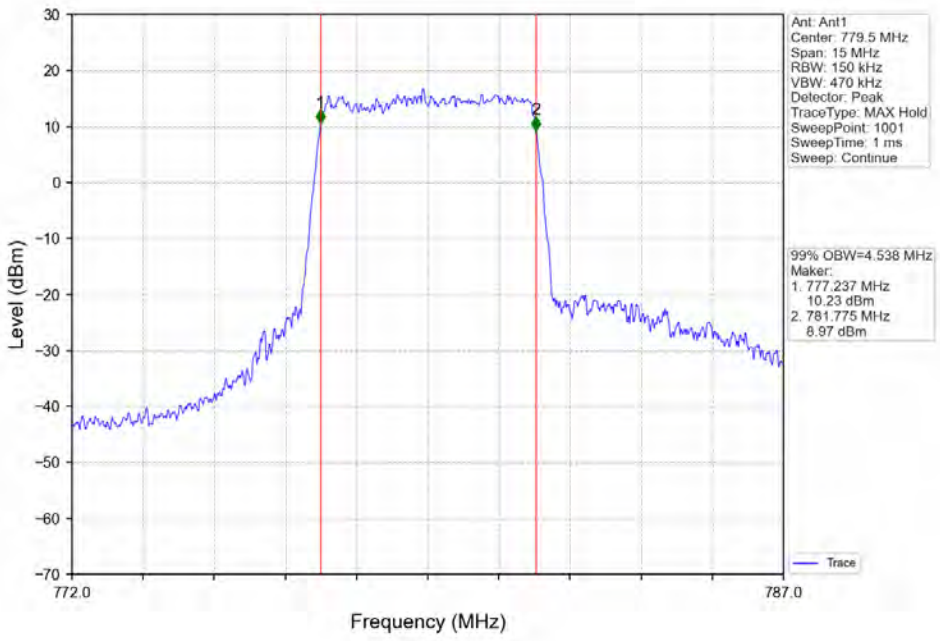
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



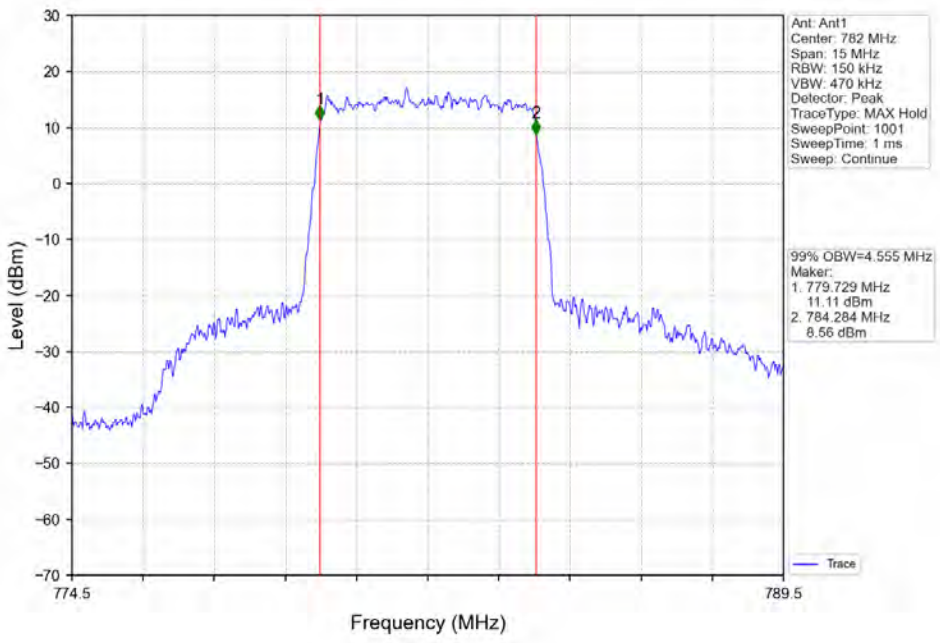
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



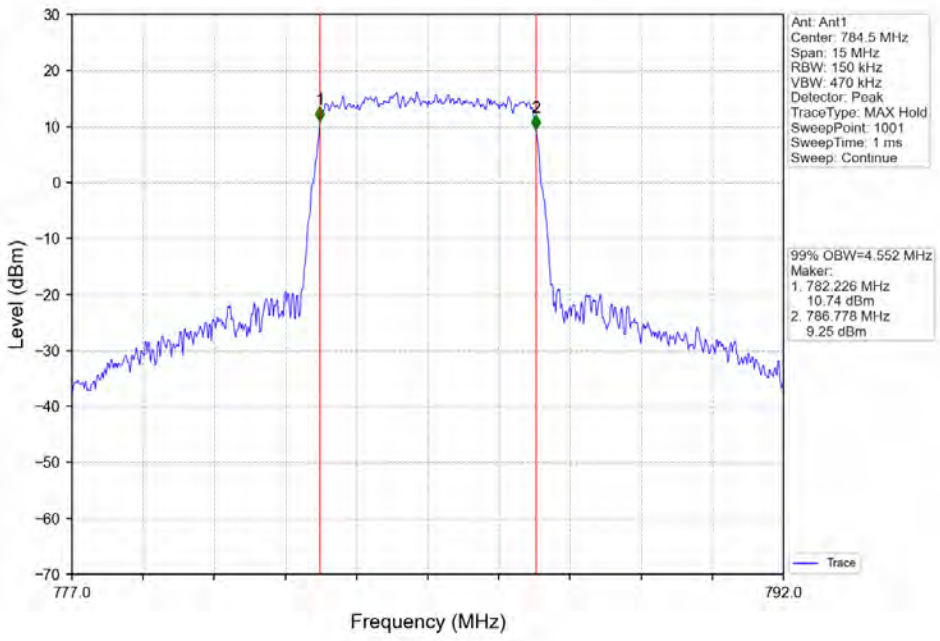
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



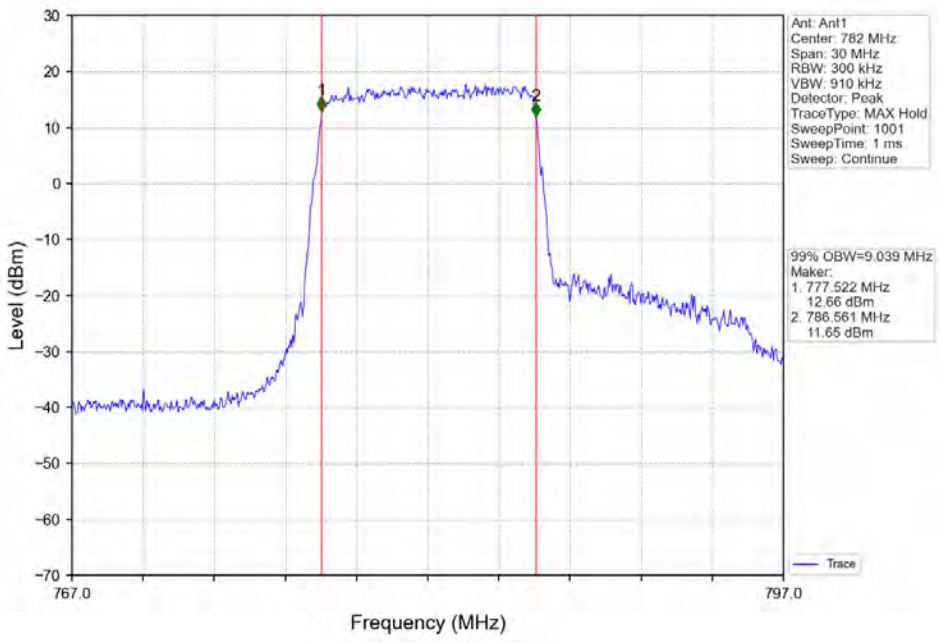
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



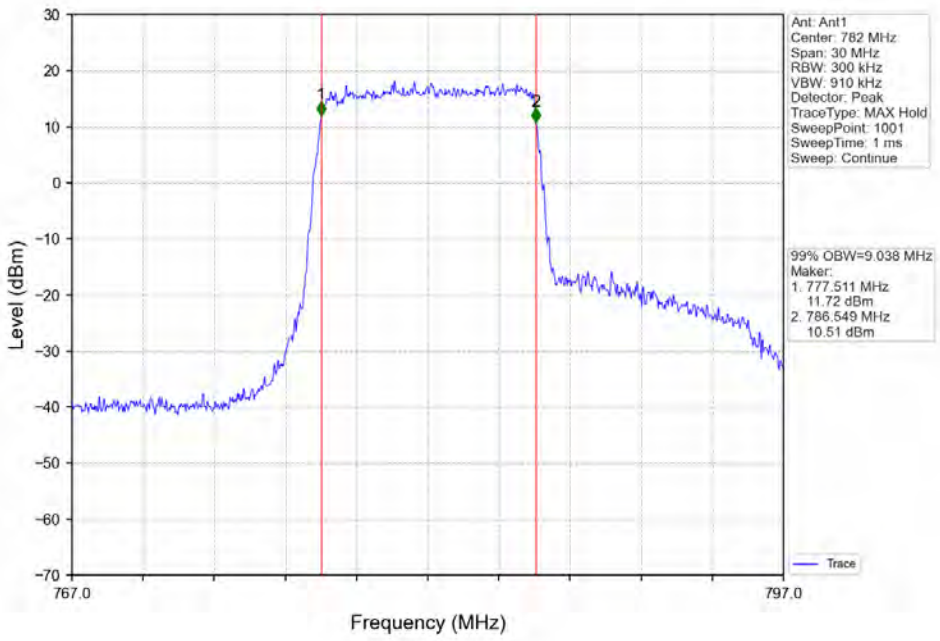
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



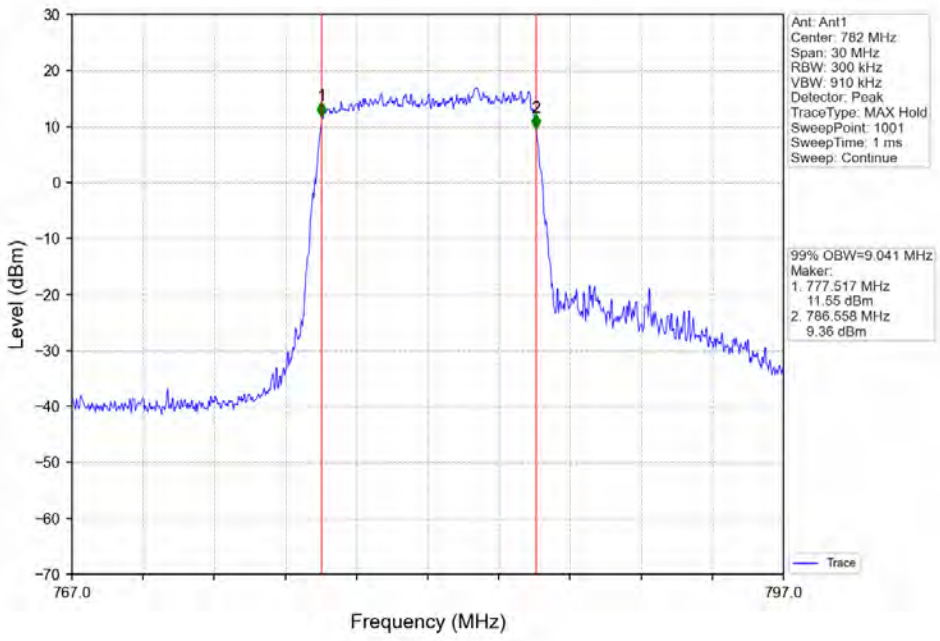
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

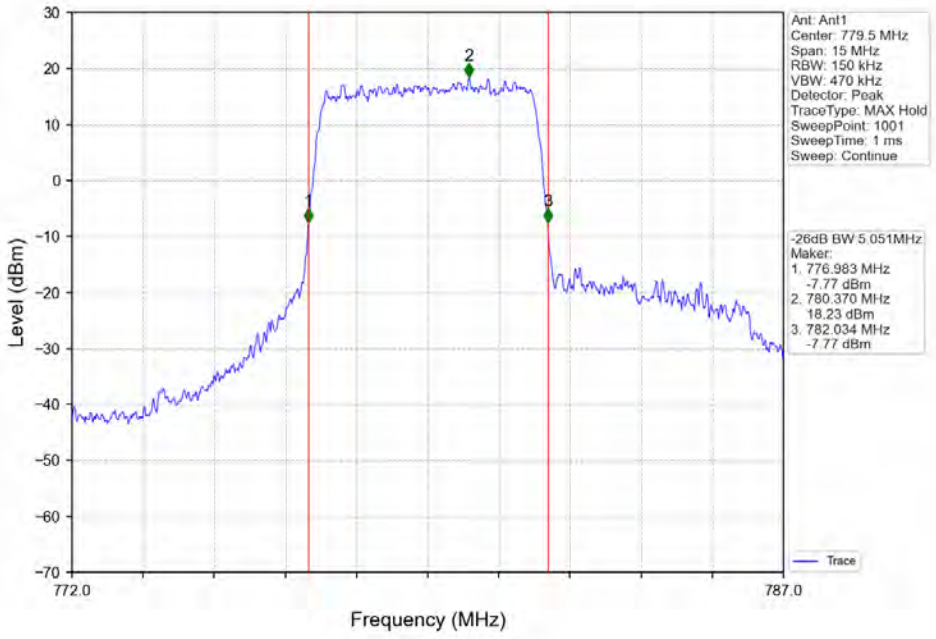


26DB_OBW TEST RESULT

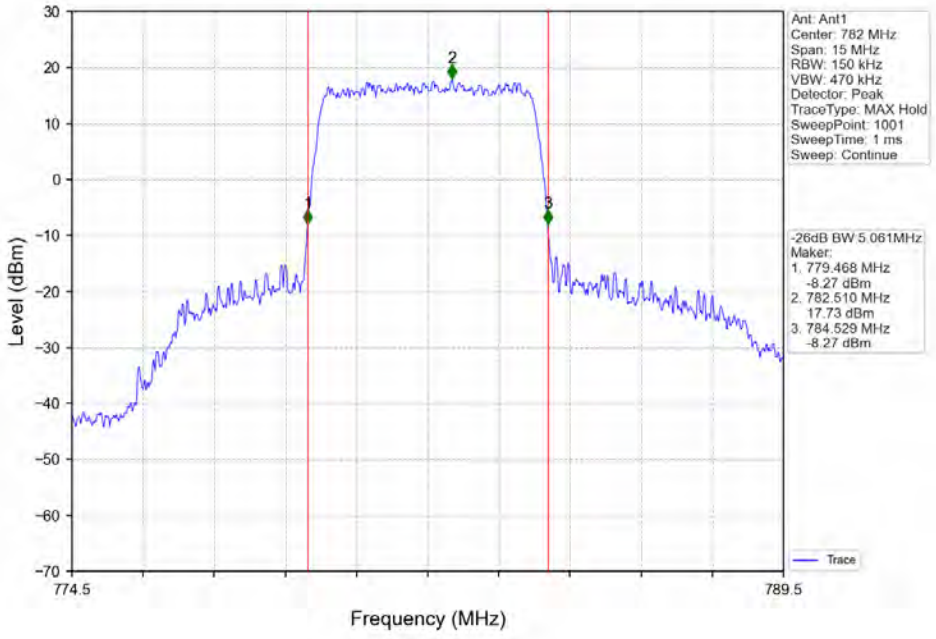
Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	5.051	Pass
		782	25	0	5.061	Pass
		784.5	25	0	5.051	Pass
	16QAM	779.5	25	0	5.064	Pass
		782	25	0	5.049	Pass
		784.5	25	0	5.092	Pass
	64QAM	779.5	25	0	5.008	Pass
		782	25	0	5.039	Pass
		784.5	25	0	5.074	Pass
10	QPSK	782	50	0	10.056	Pass
	16QAM	782	50	0	10.043	Pass
	64QAM	782	50	0	10.008	Pass

TEST GRAPH

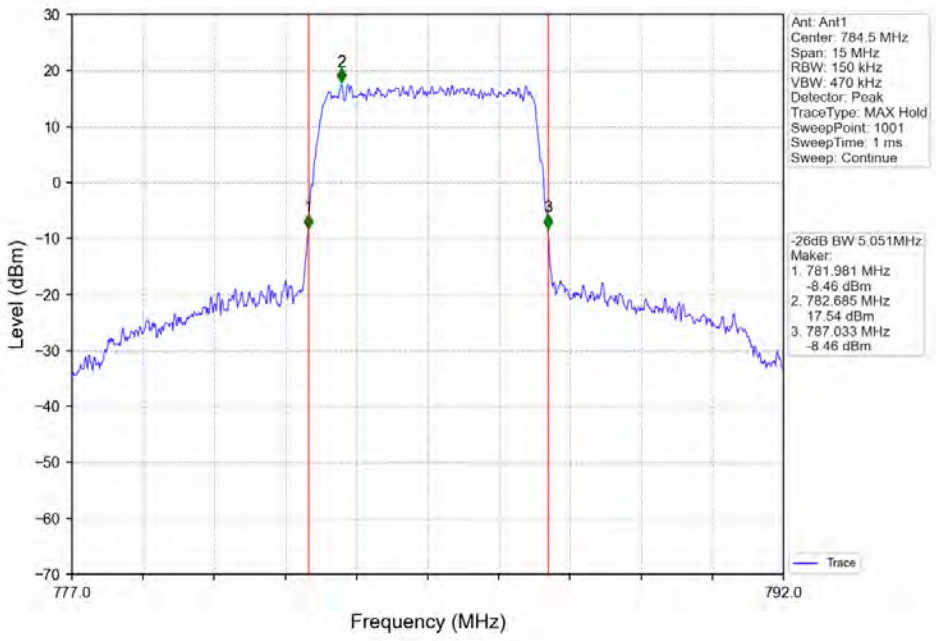
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



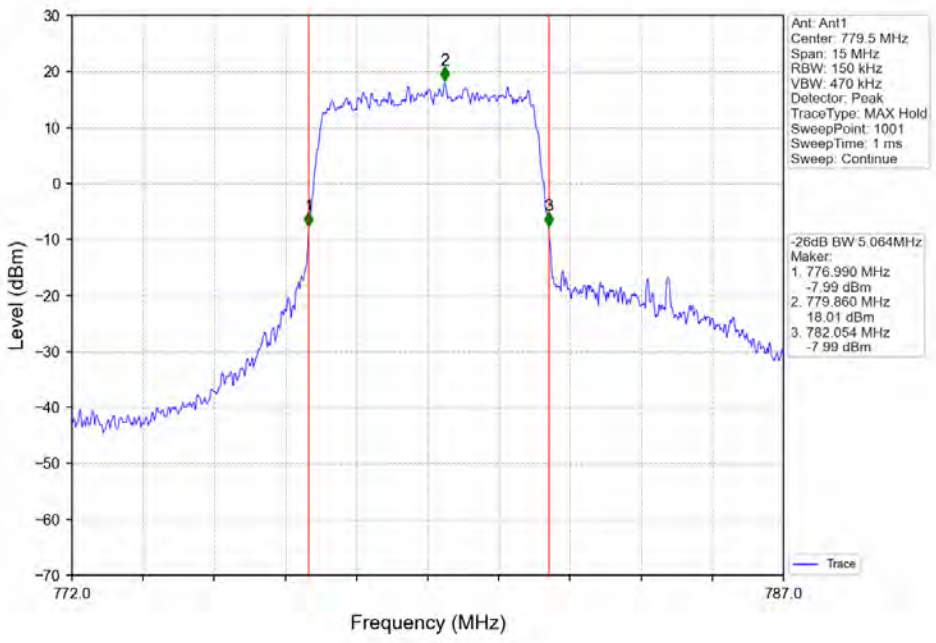
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



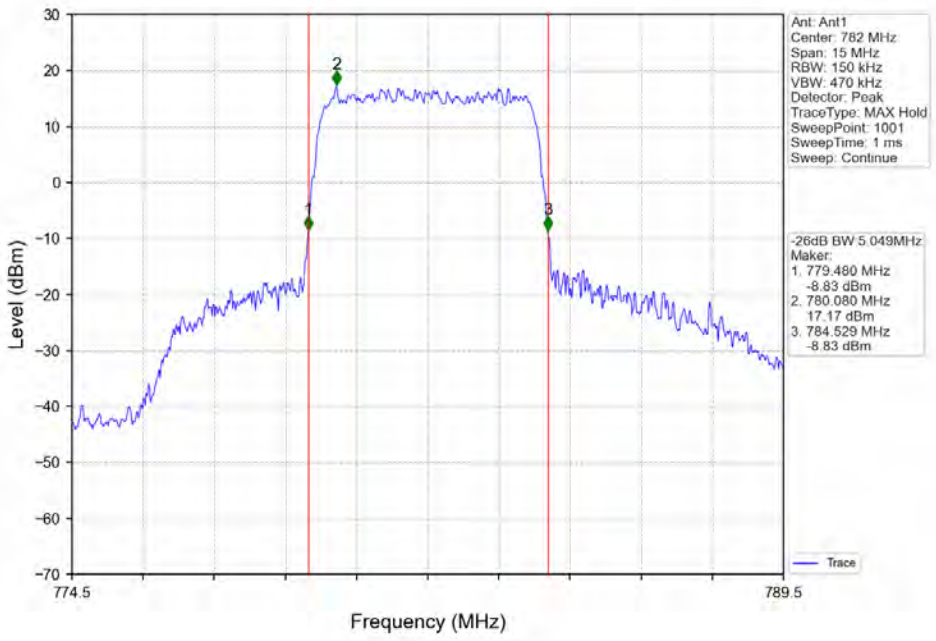
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



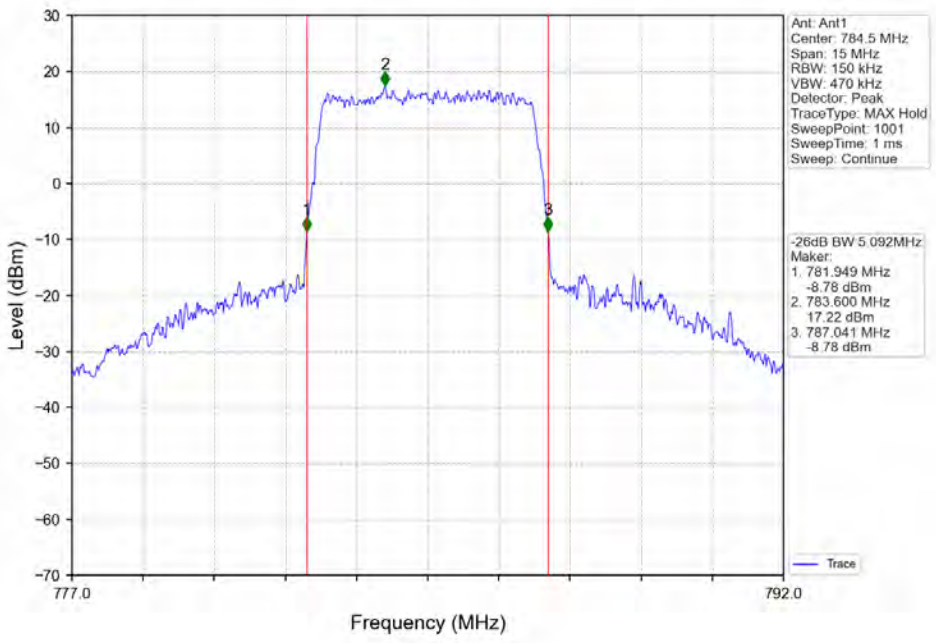
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



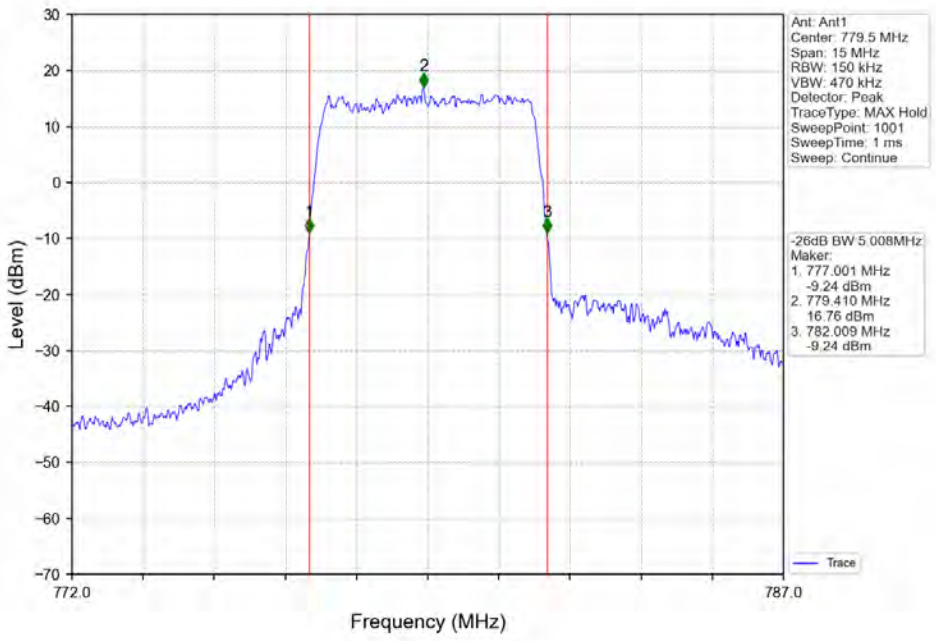
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



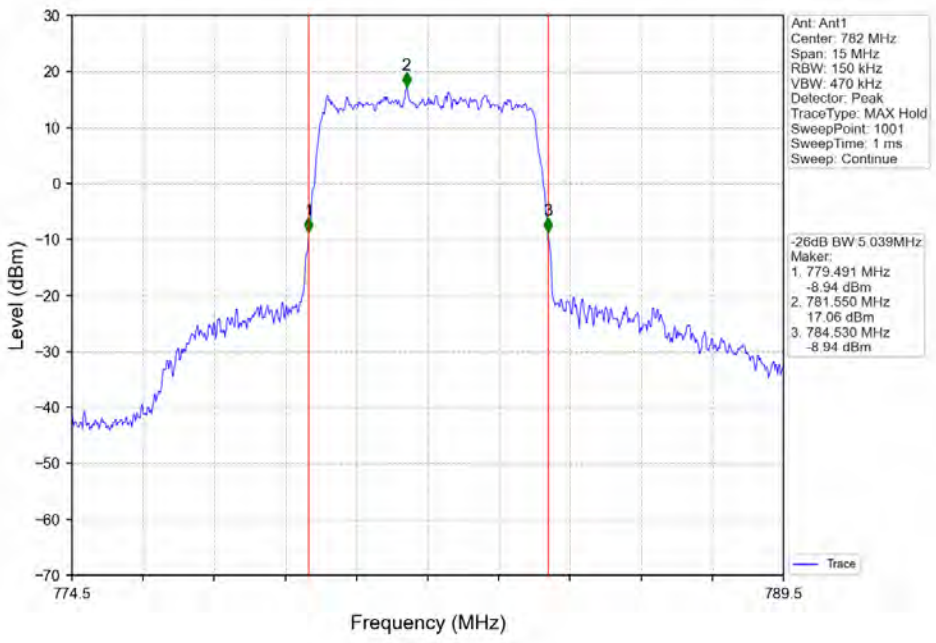
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



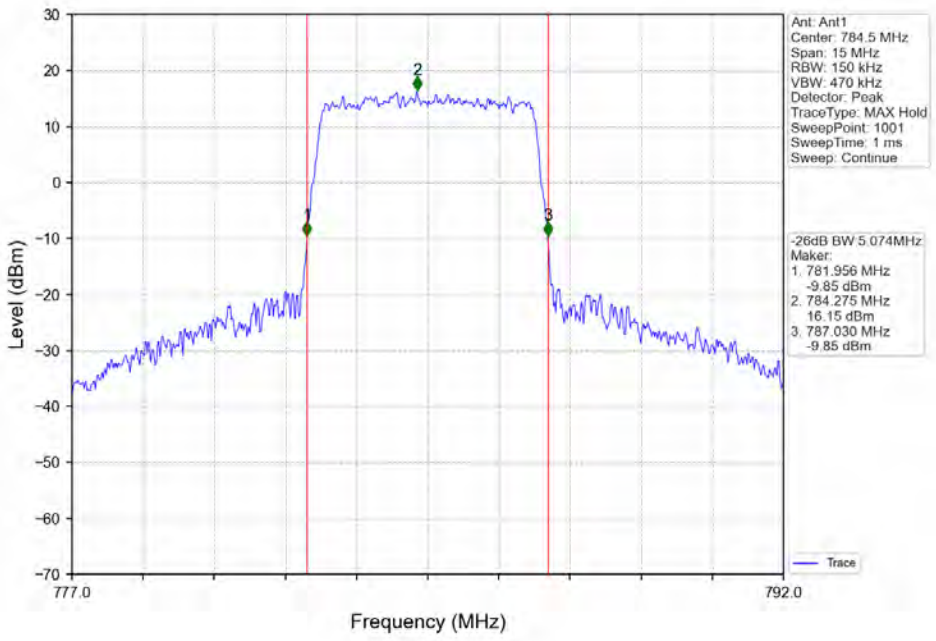
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



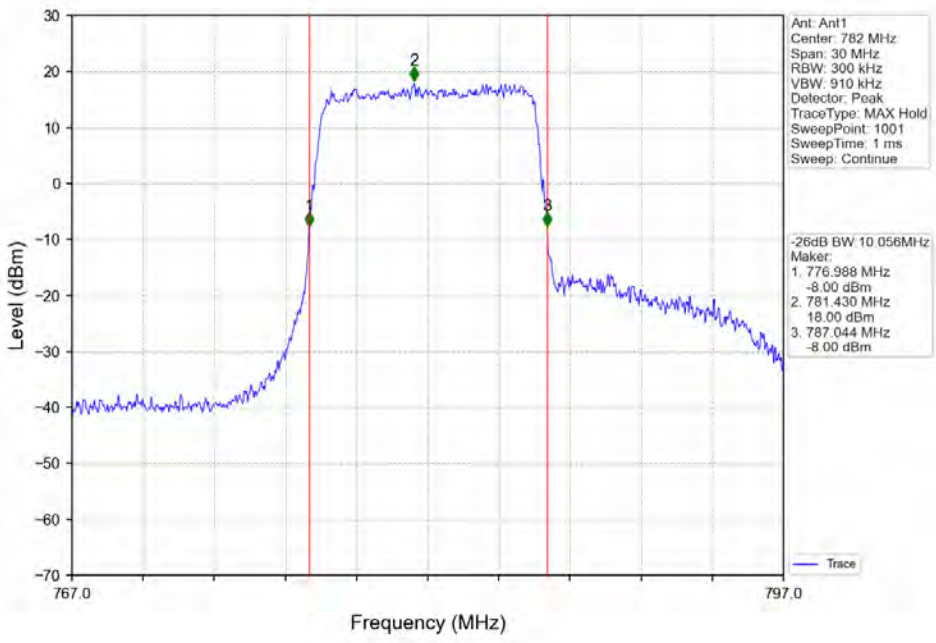
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



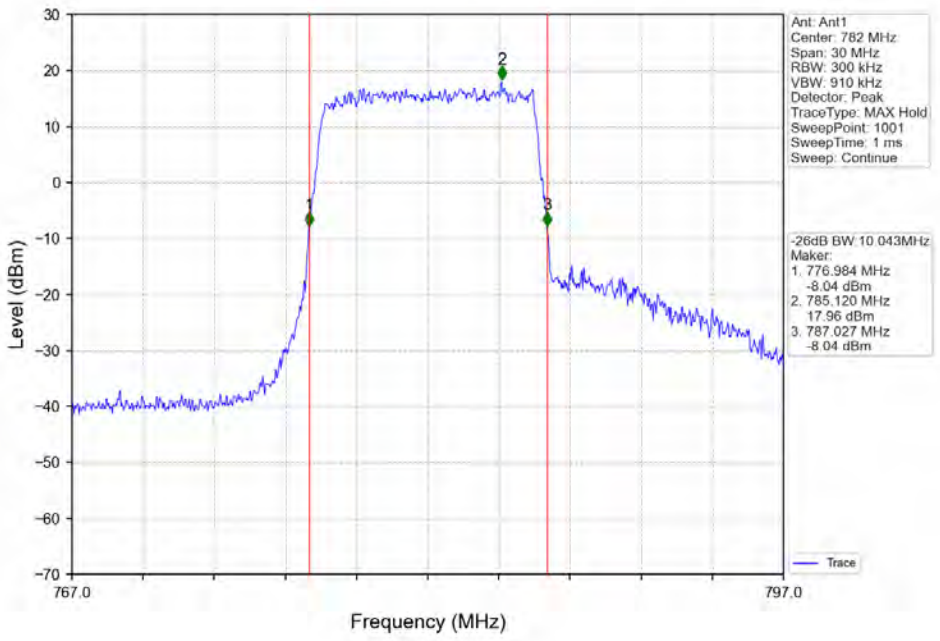
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



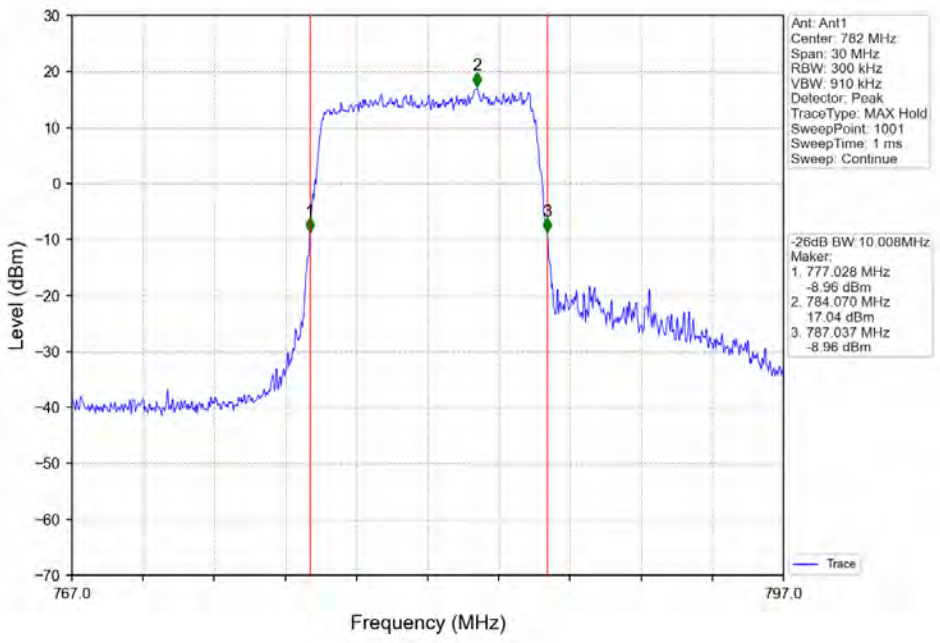
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

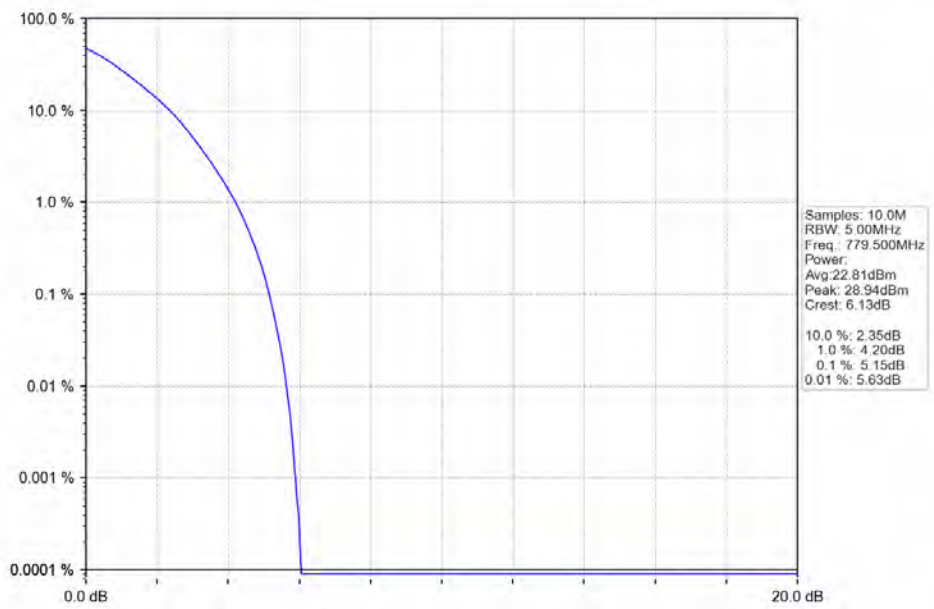


PEAK-AVERAGE RATIO B13_5MHZ TEST RESULT

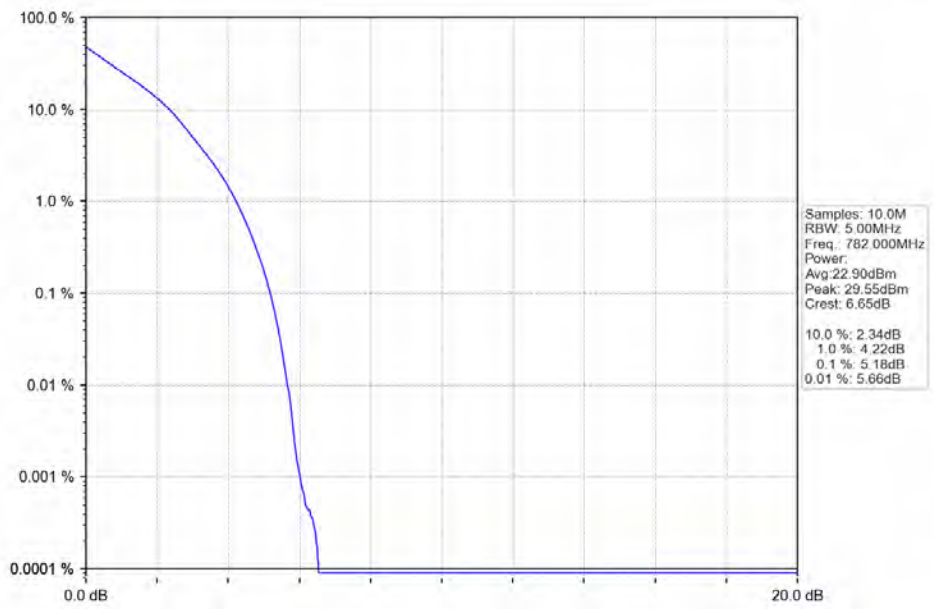
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.15	<=13	Pass
	782	25	0	5.18	<=13	Pass
	784.5	25	0	5.11	<=13	Pass
16QAM	779.5	25	0	5.87	<=13	Pass
	782	25	0	5.94	<=13	Pass
	784.5	25	0	5.86	<=13	Pass
64QAM	779.5	25	0	6.20	<=13	Pass
	782	25	0	6.28	<=13	Pass
	784.5	25	0	6.25	<=13	Pass

TEST GRAPH

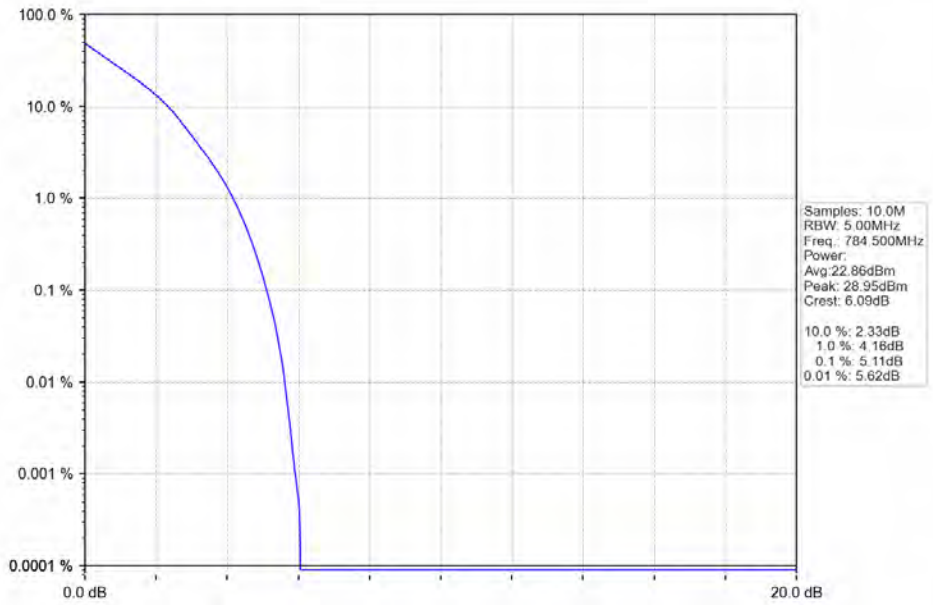
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



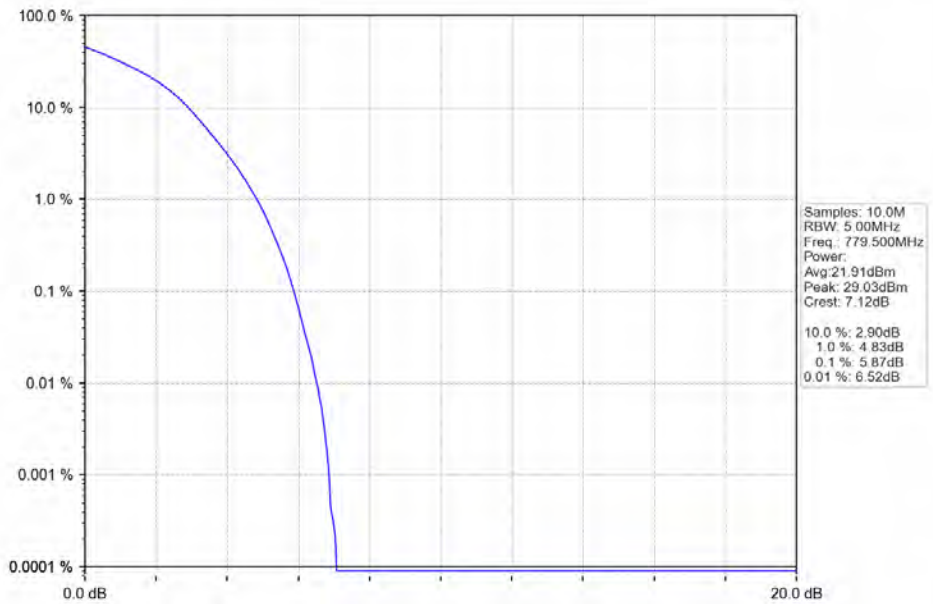
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



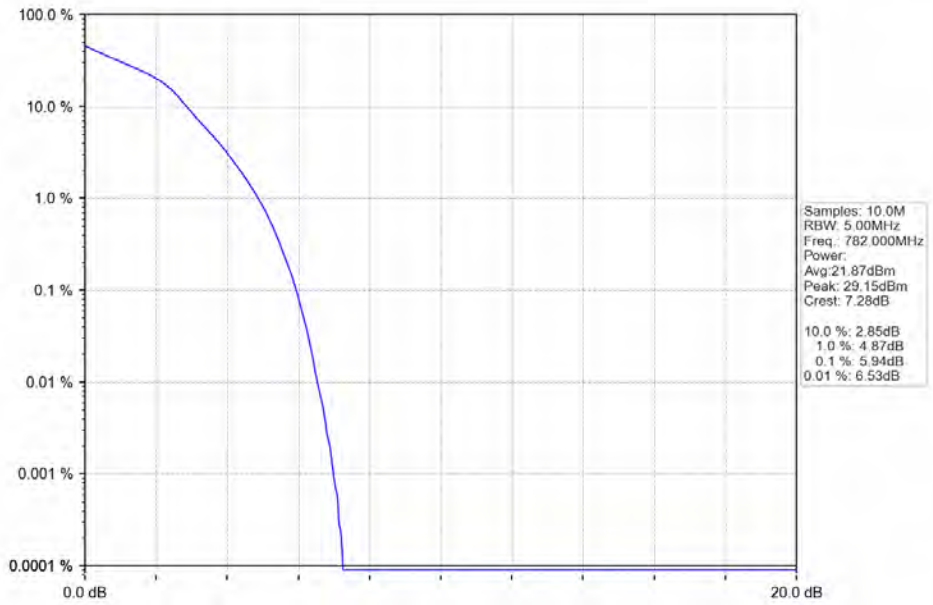
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



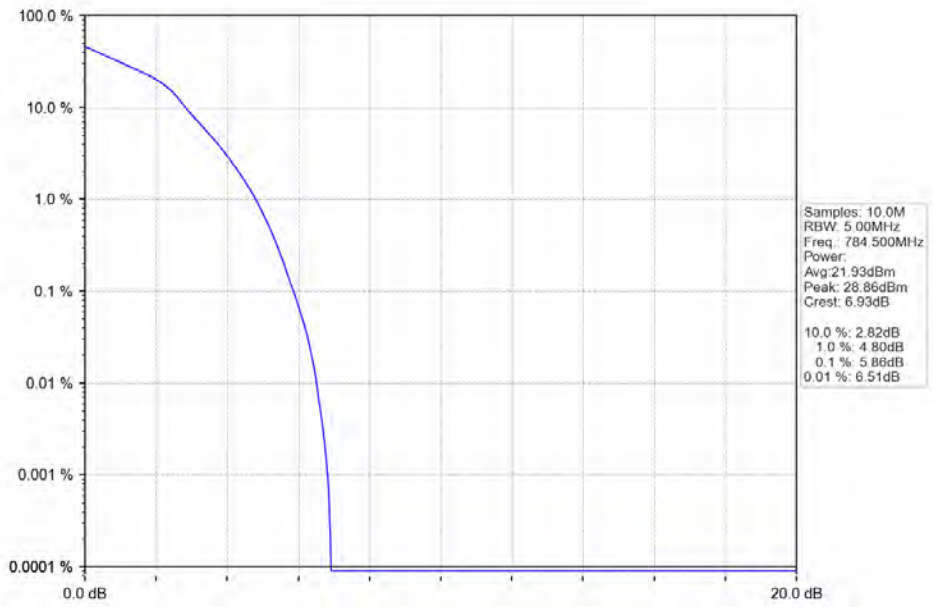
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



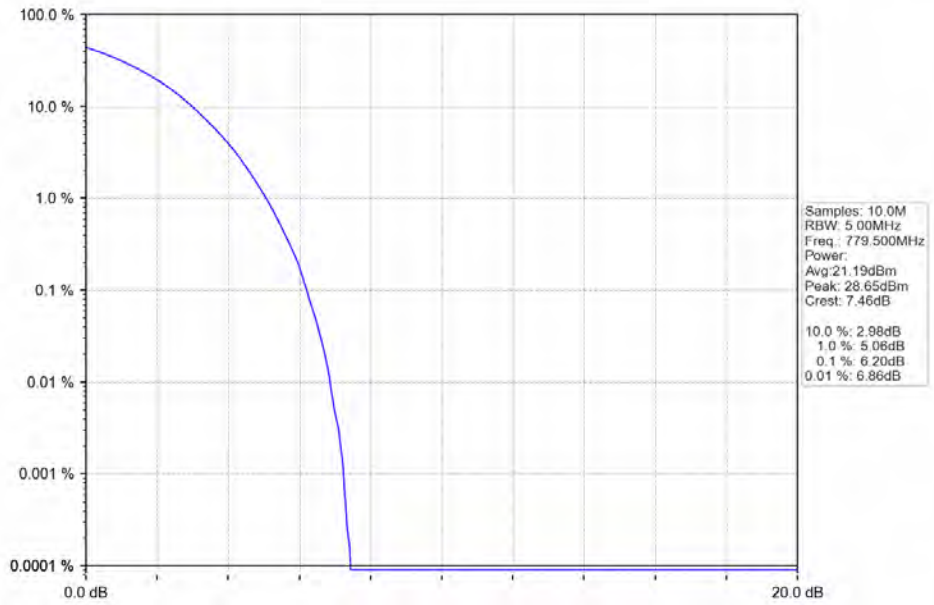
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



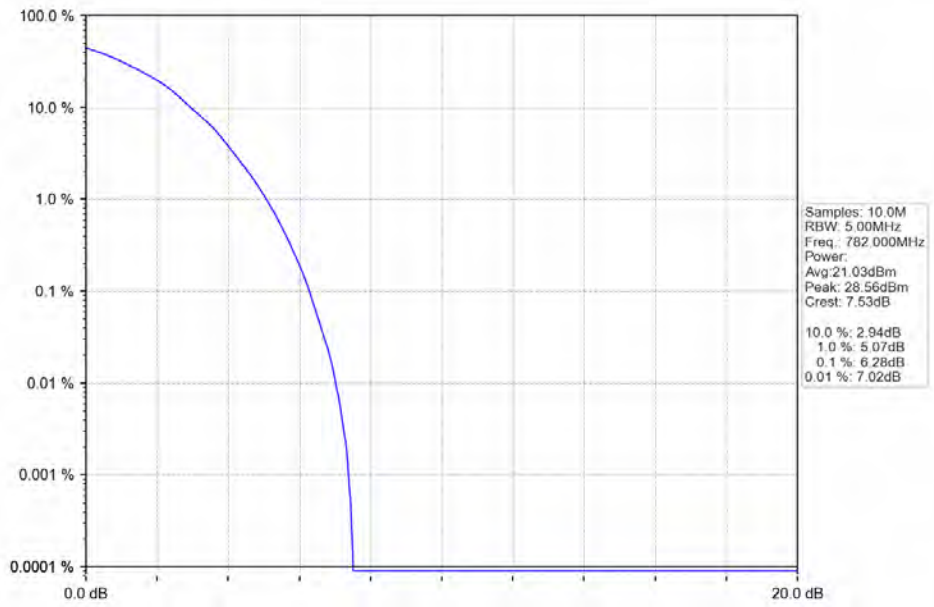
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



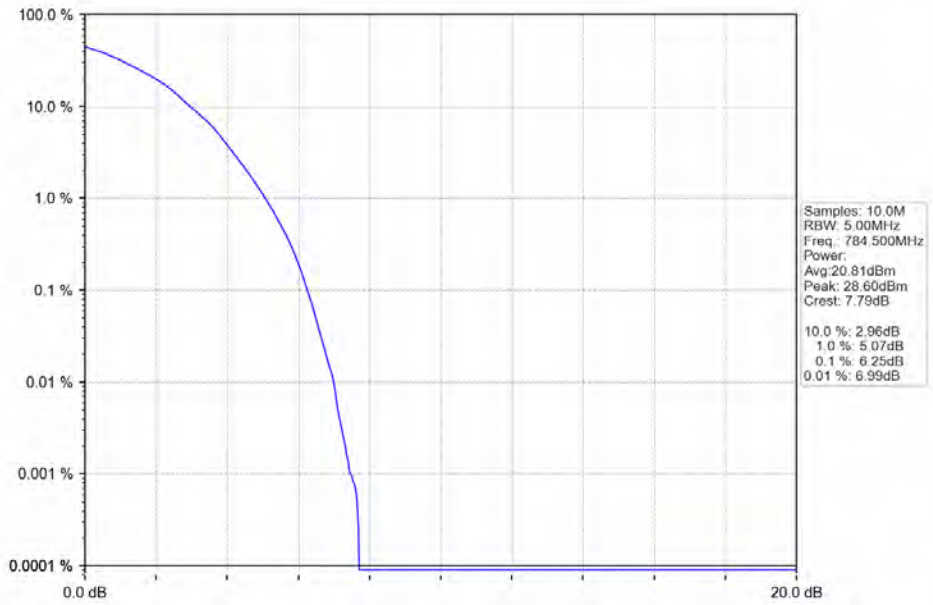
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV

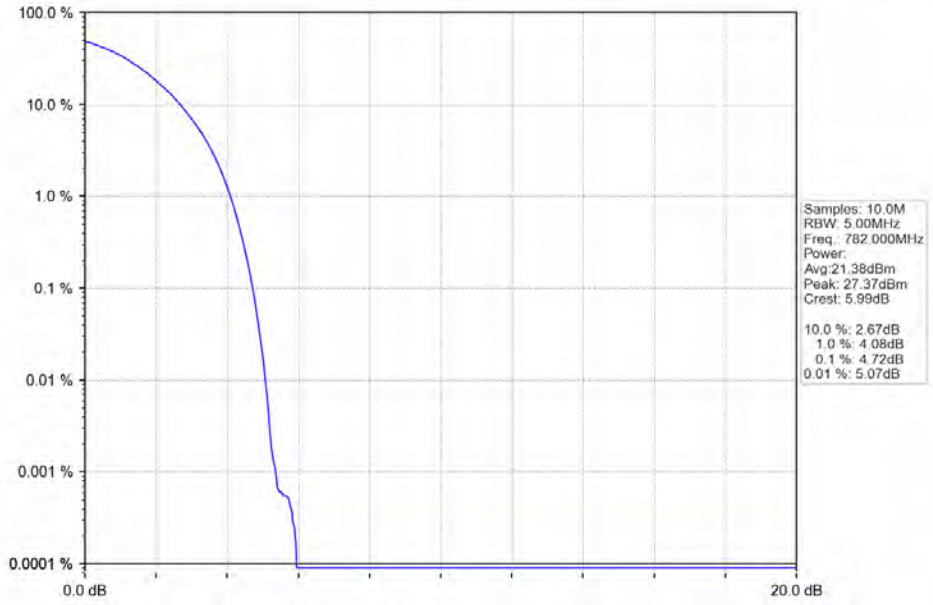


B13_10MHZ TEST RESULT

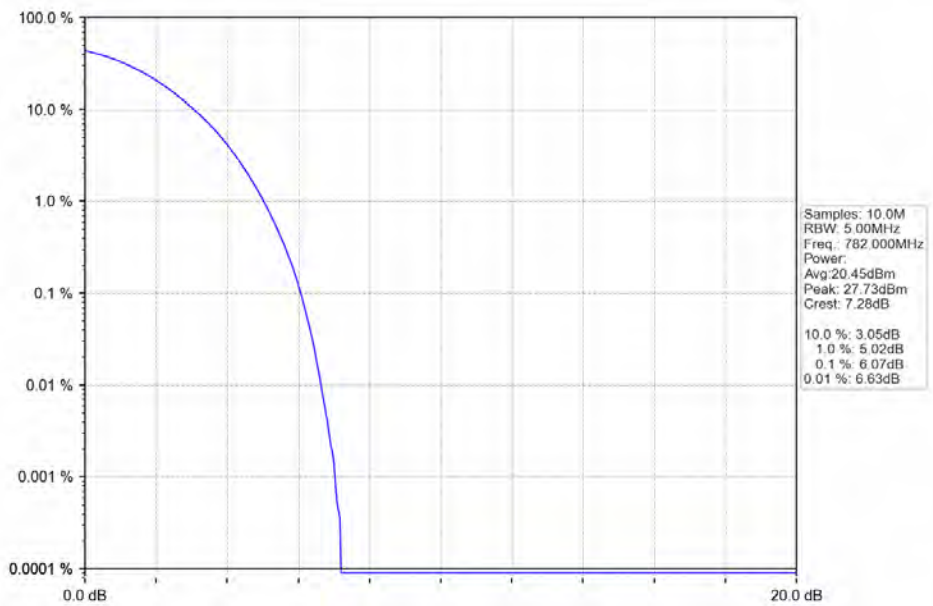
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	4.72	<=13	Pass
16QAM	782	50	0	6.07	<=13	Pass
64QAM	782	50	0	6.36	<=13	Pass

TEST GRAPH

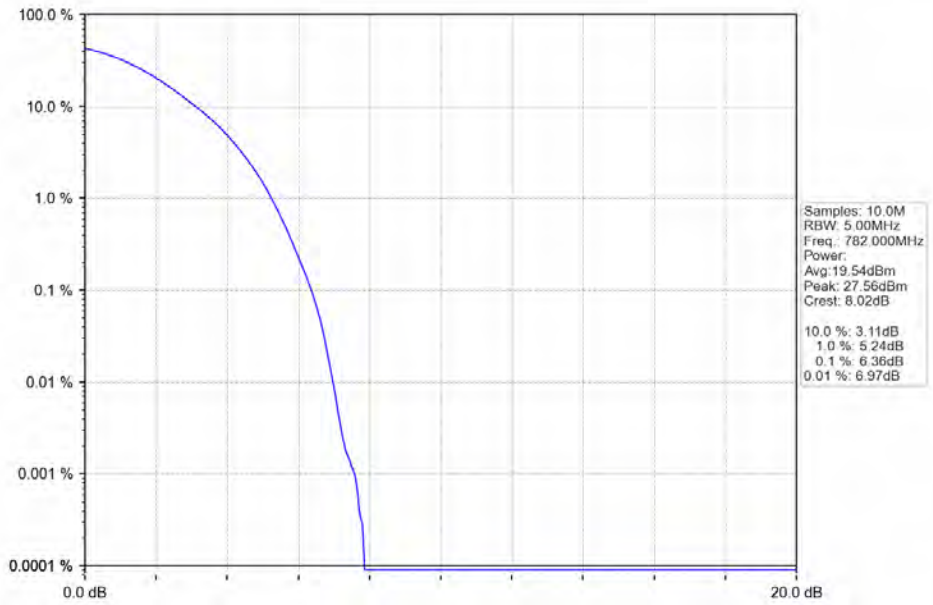
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

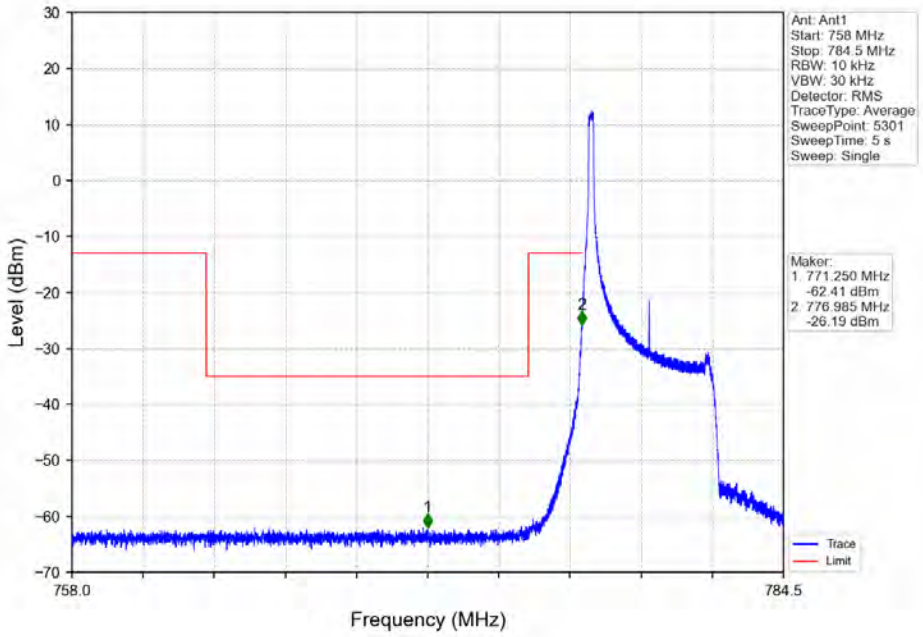


SPURIOUS EMISSION B13_5MHZ TEST RESULT

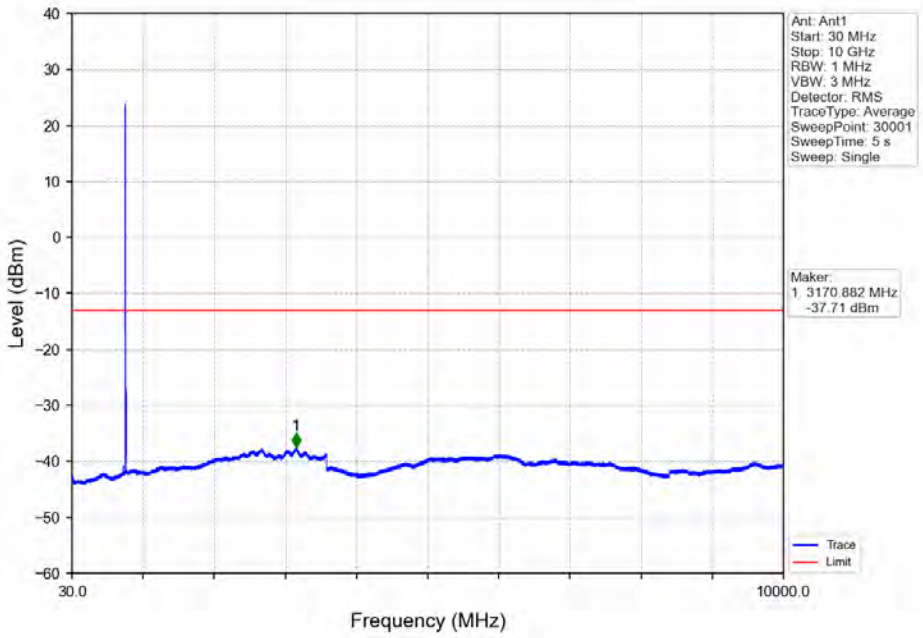
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

TEST GRAPH

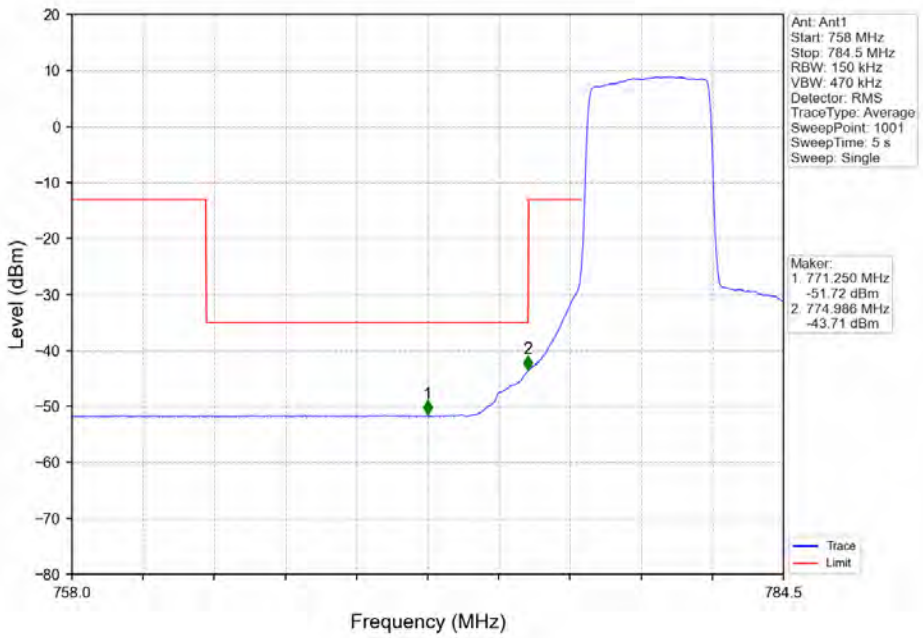
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



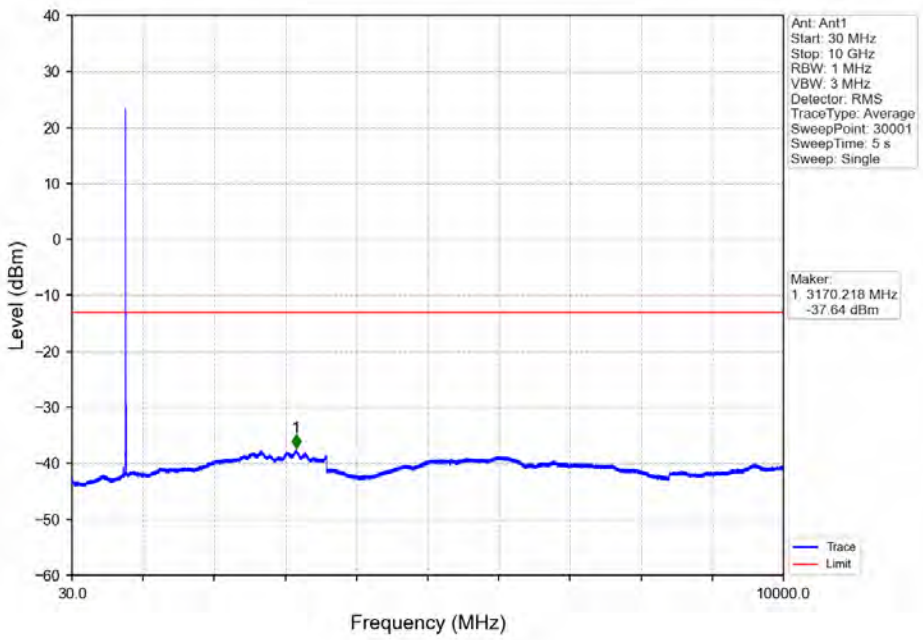
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



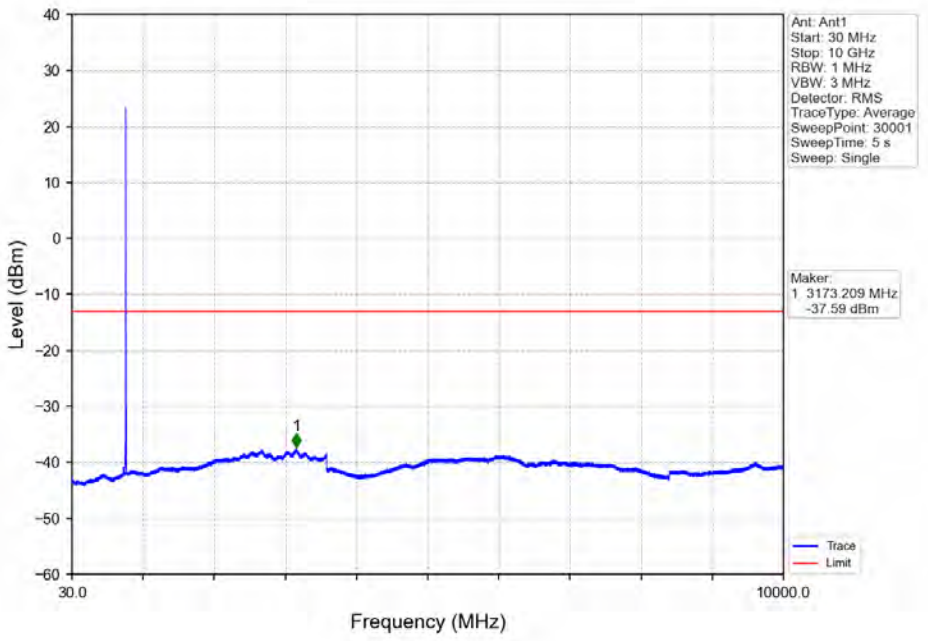
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



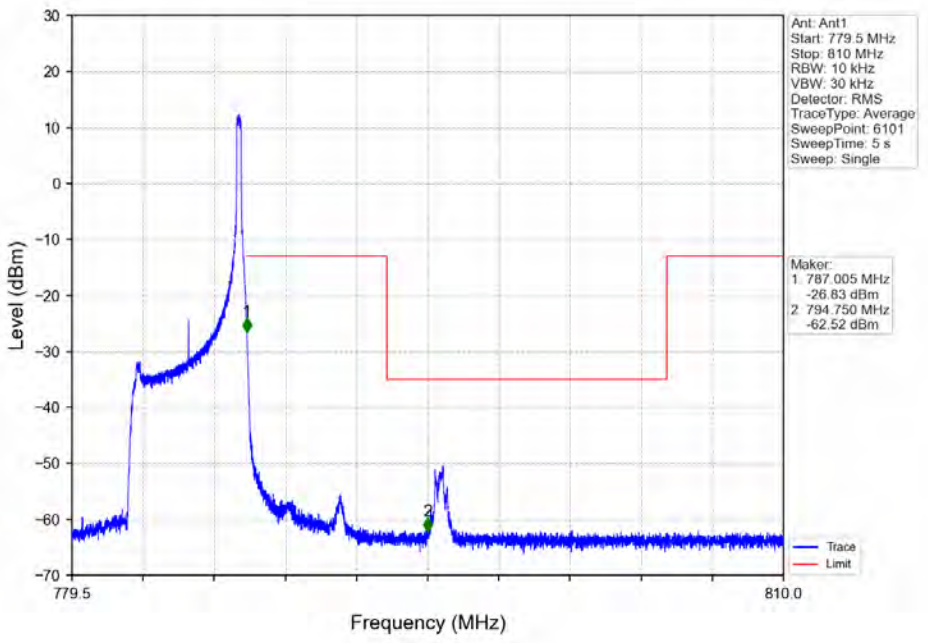
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



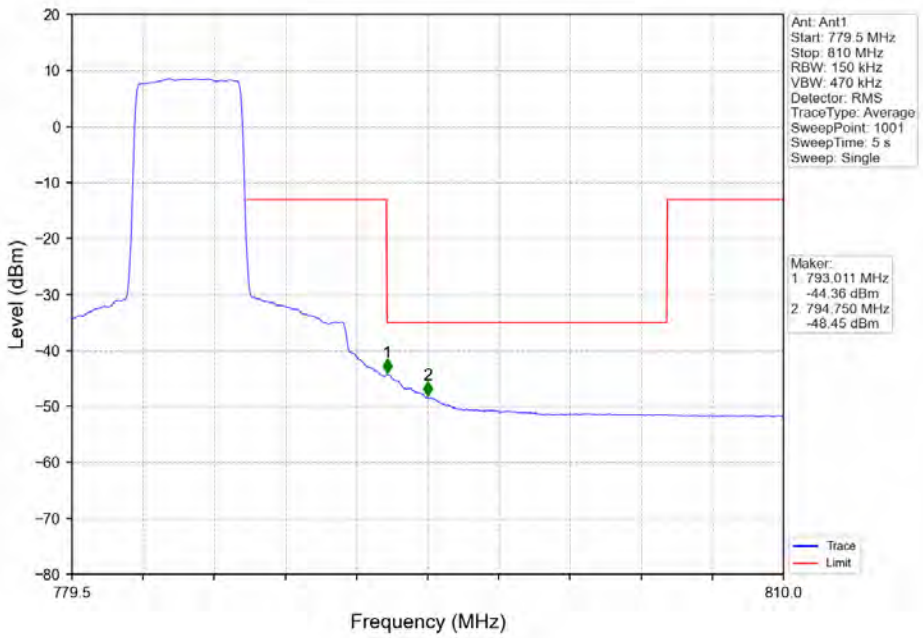
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



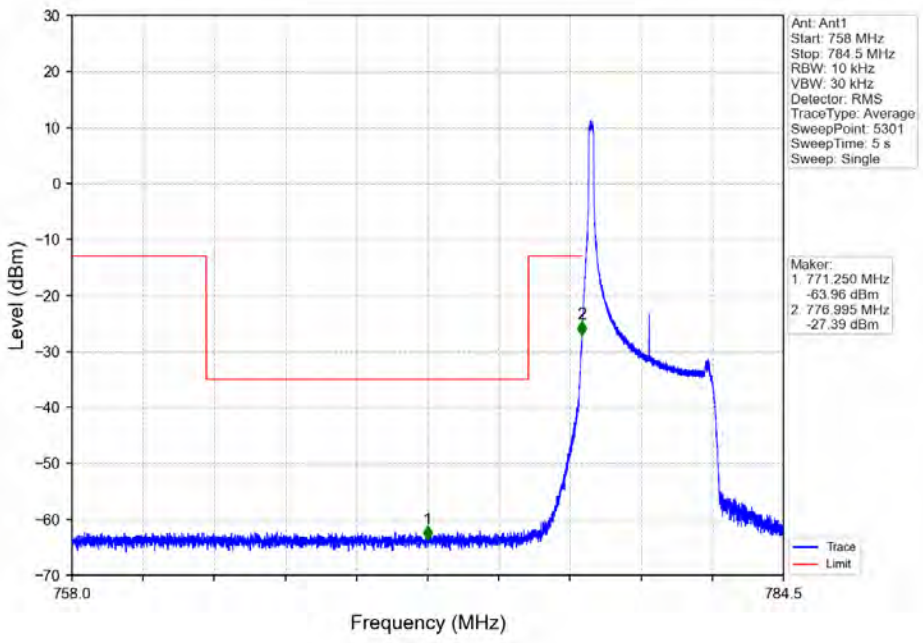
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



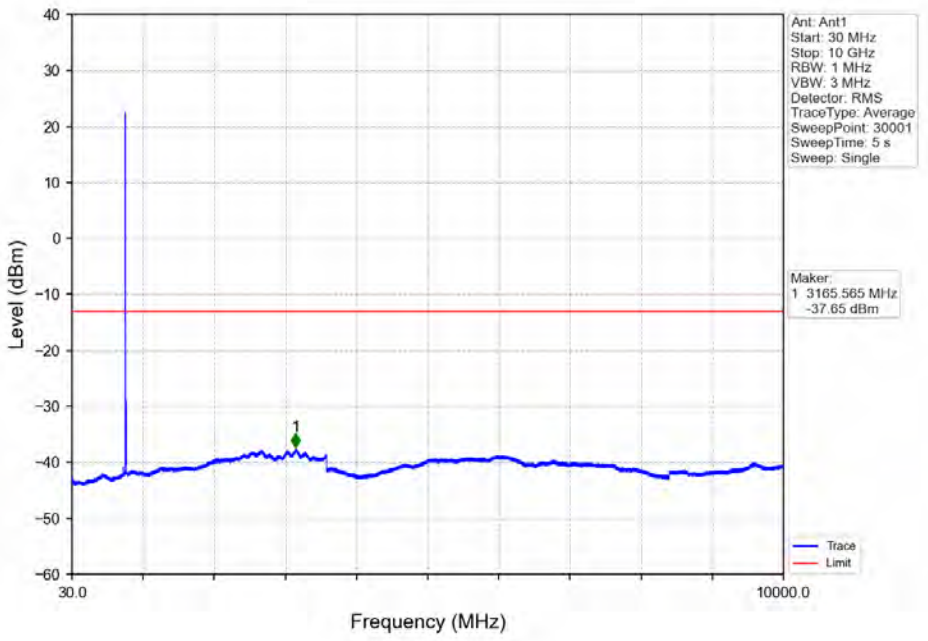
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



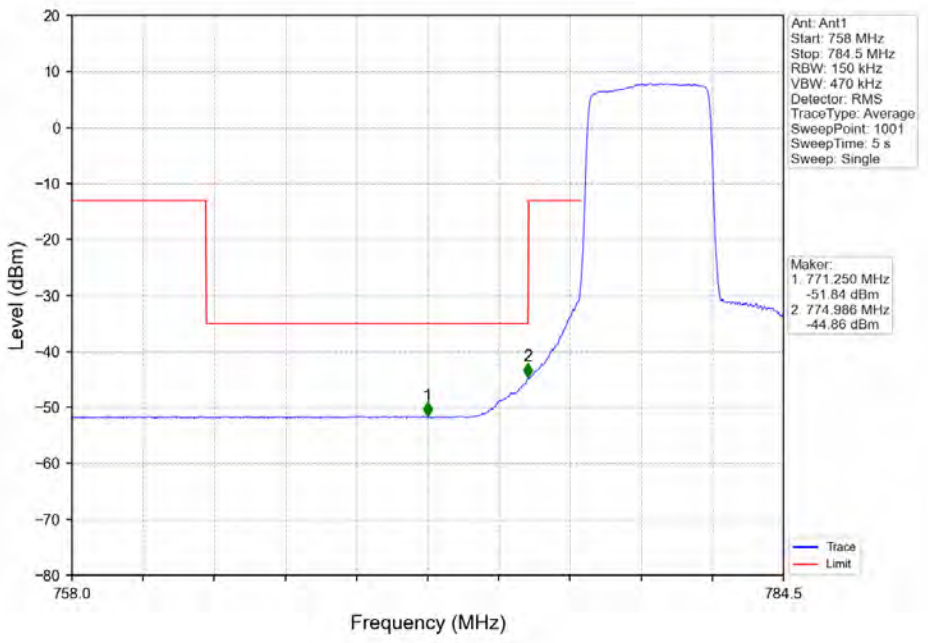
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



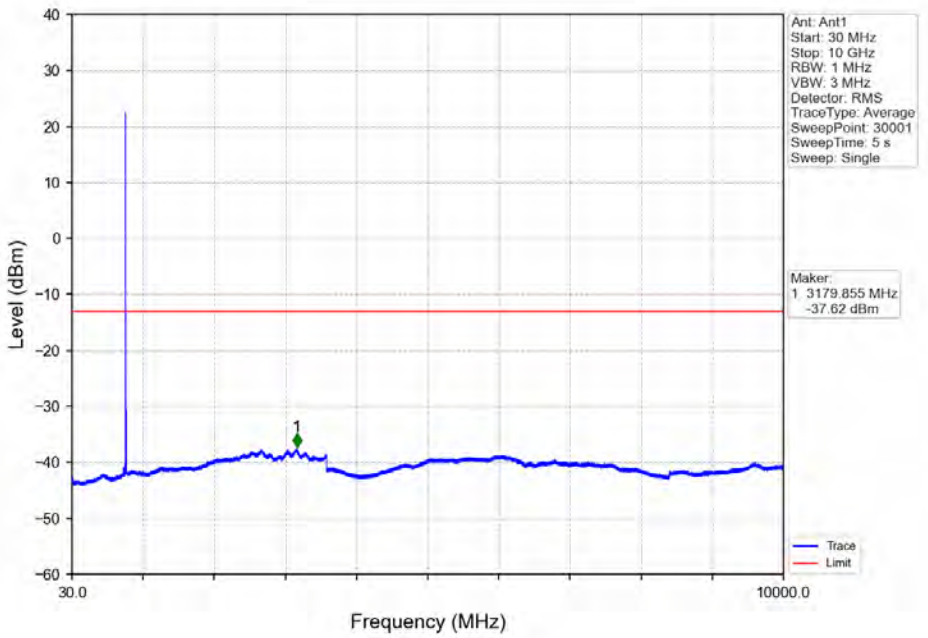
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



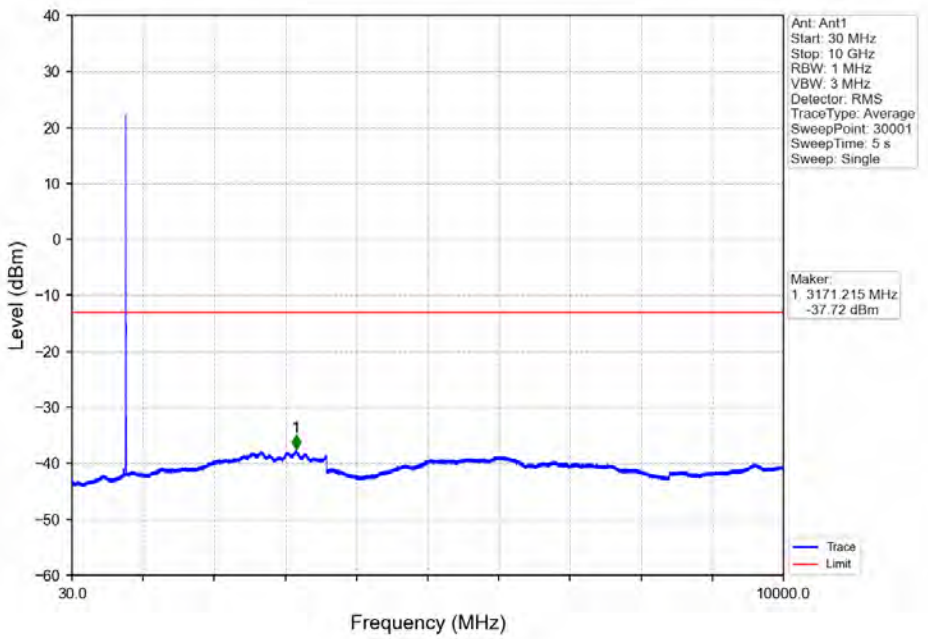
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



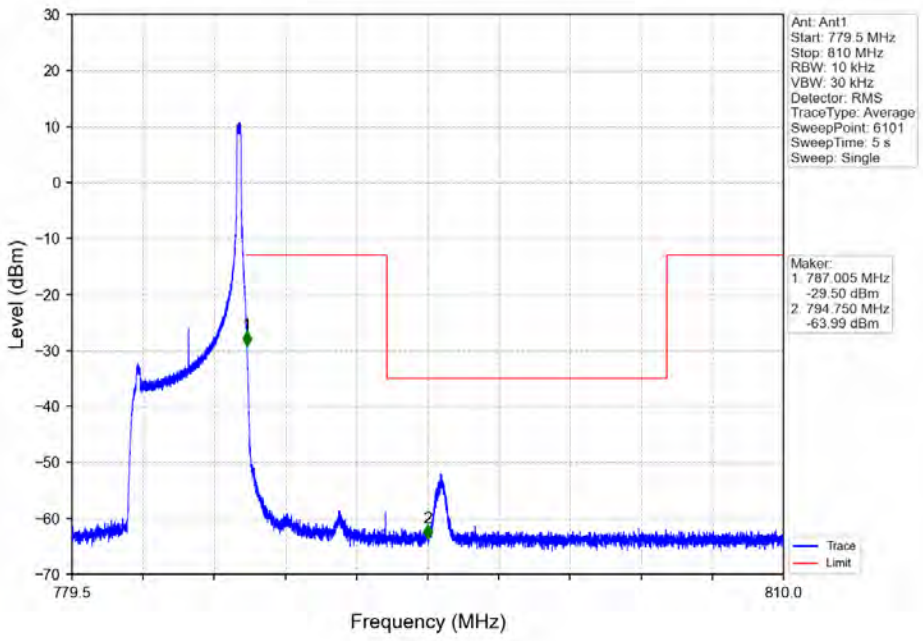
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



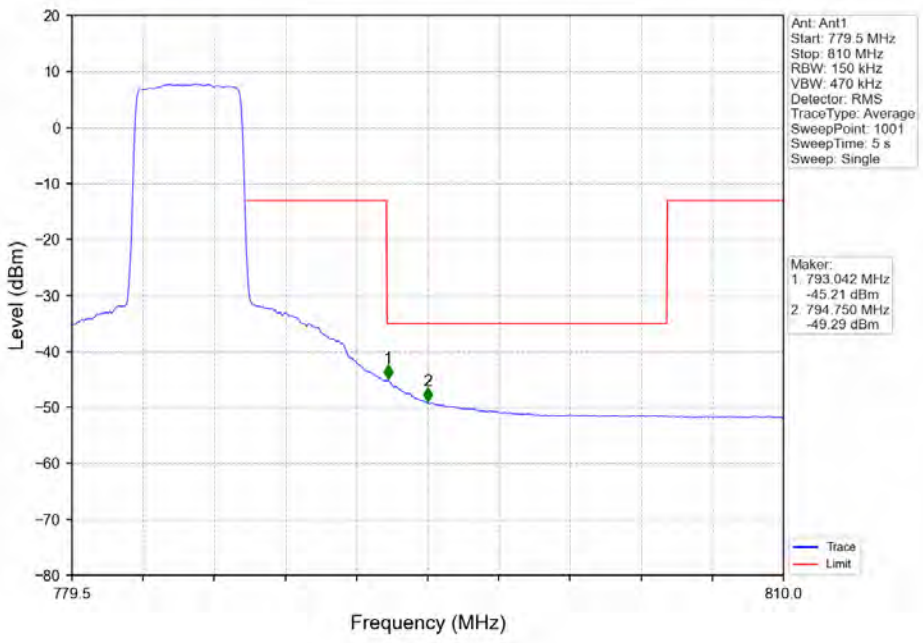
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



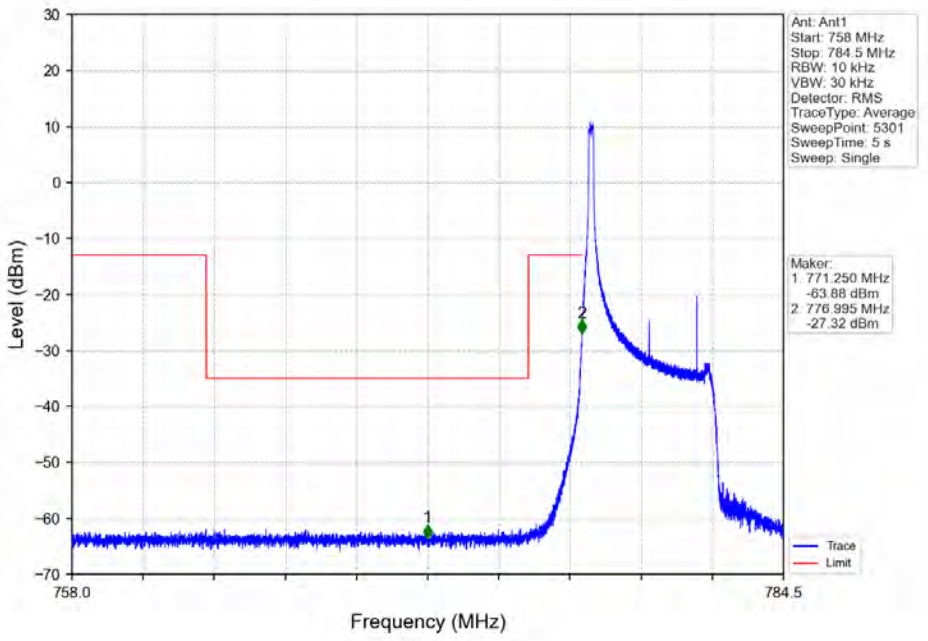
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



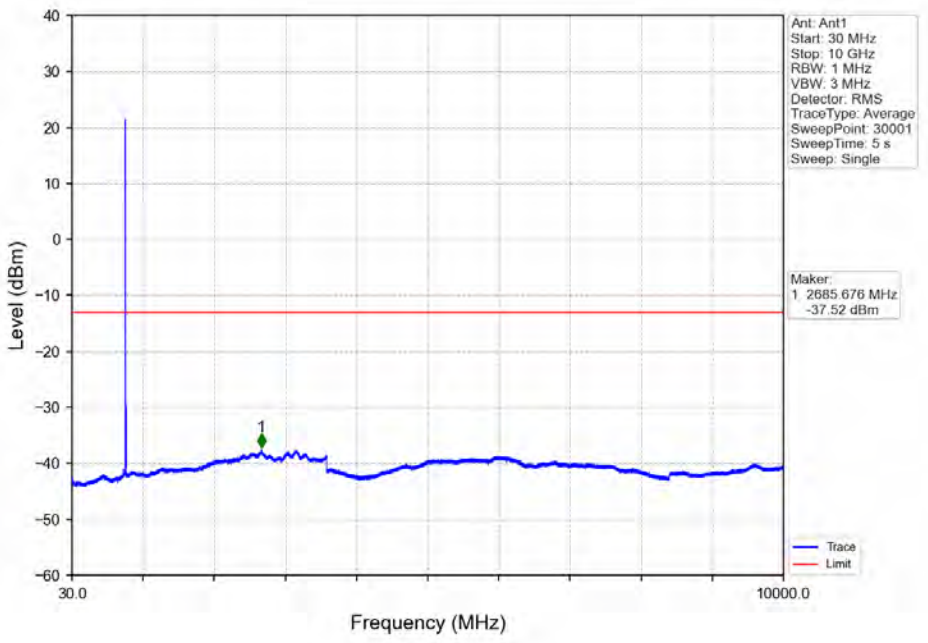
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



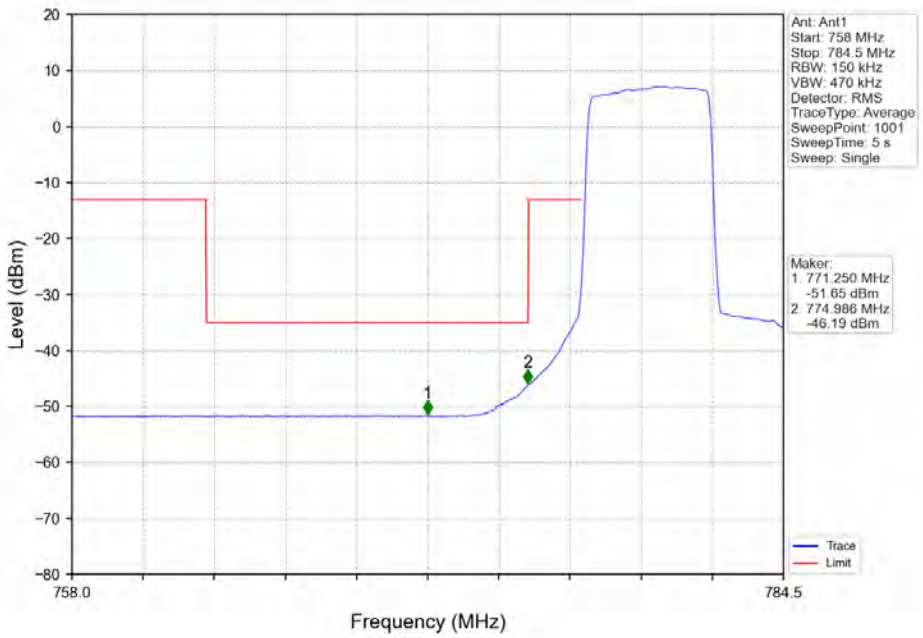
Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTNV



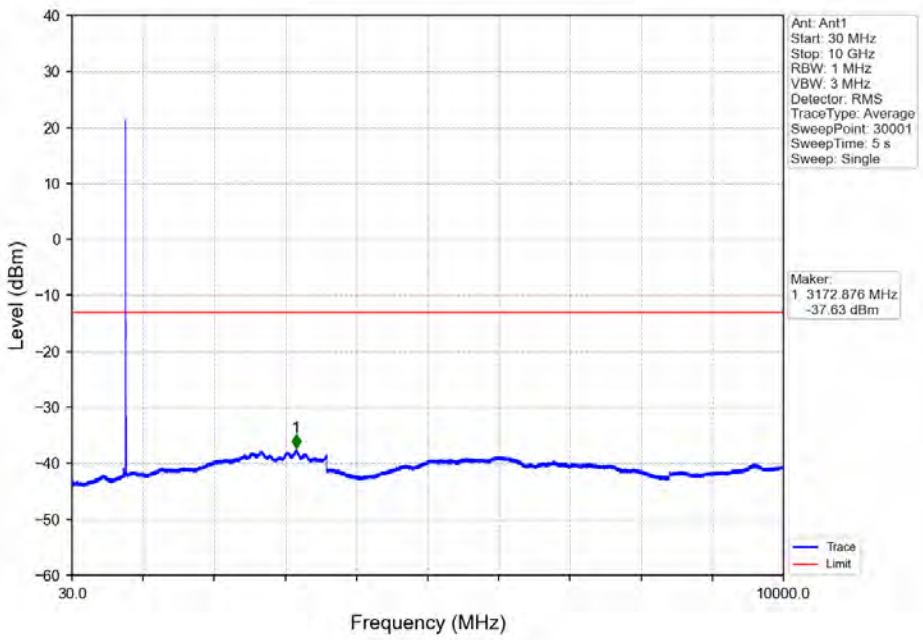
Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTNV



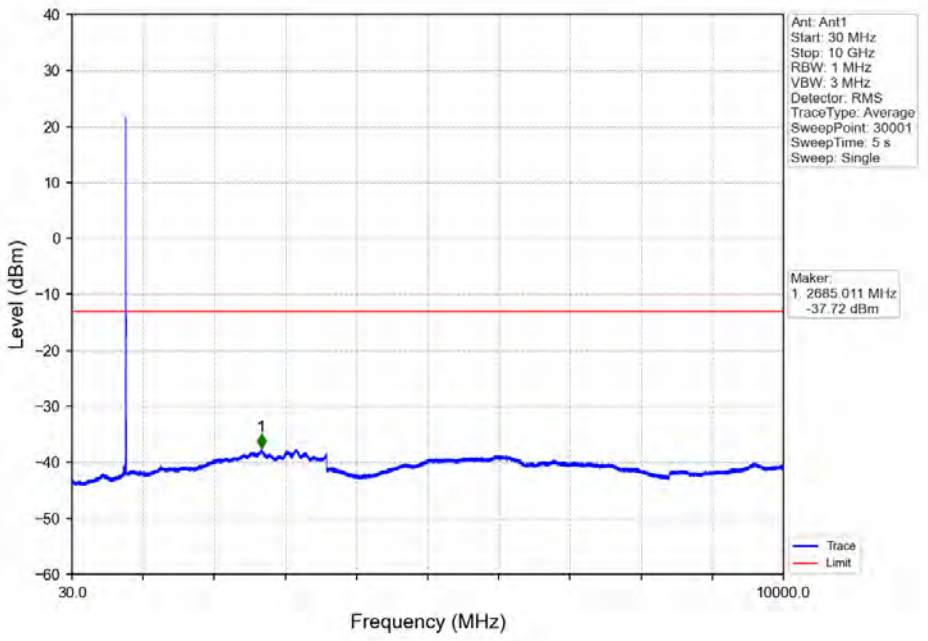
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



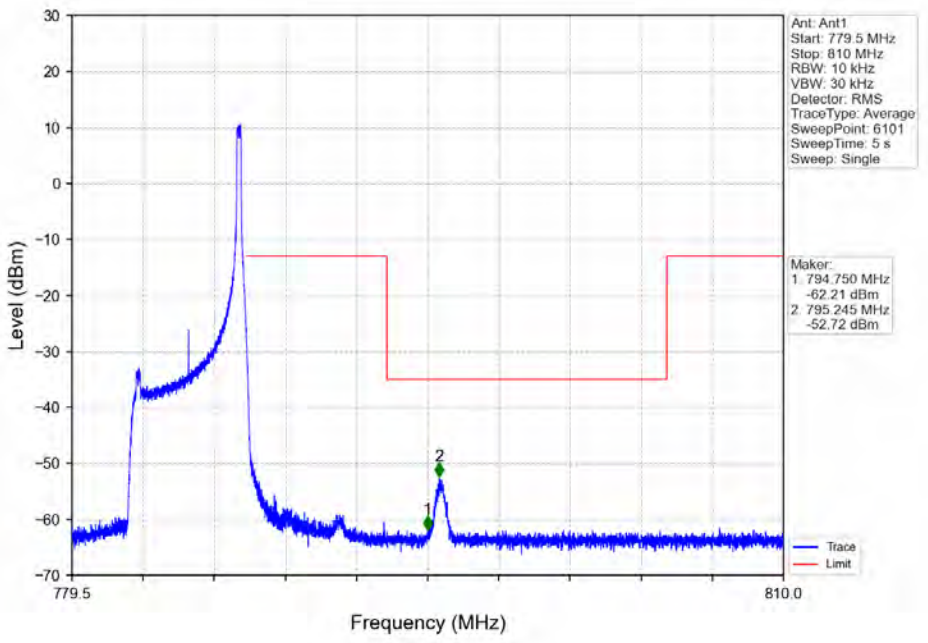
Band13_5MHz_64QAM_MCH_782MHz_RB_1_0_NTNV



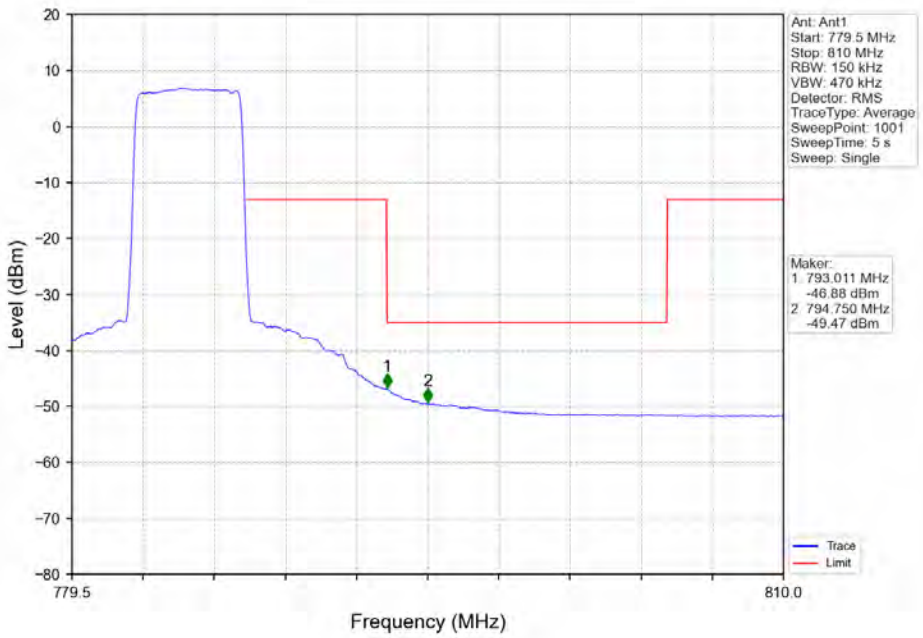
Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_24_NTNV



Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV

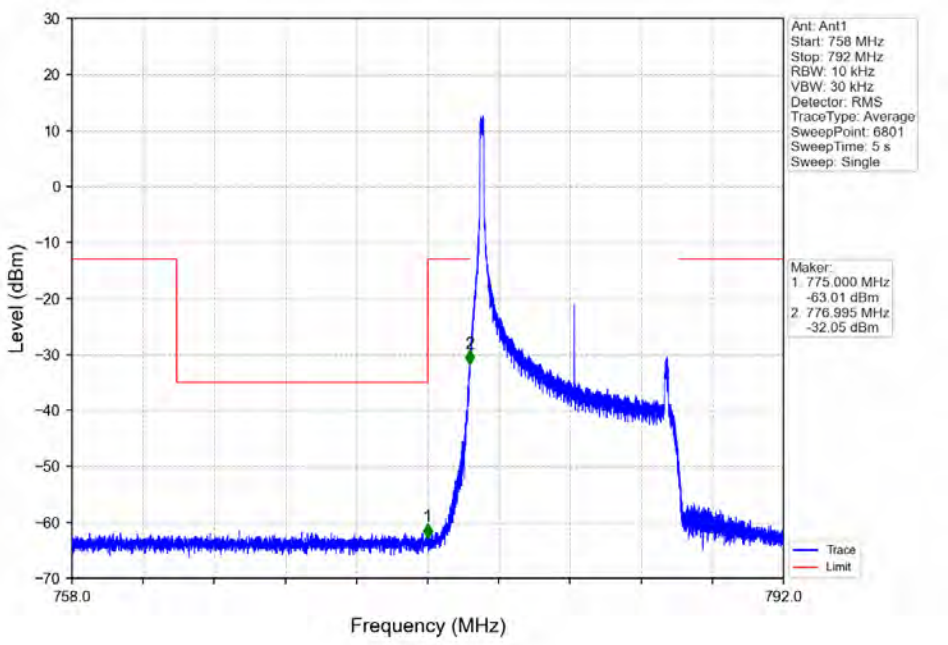


B13_10MHZ TEST RESULT

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

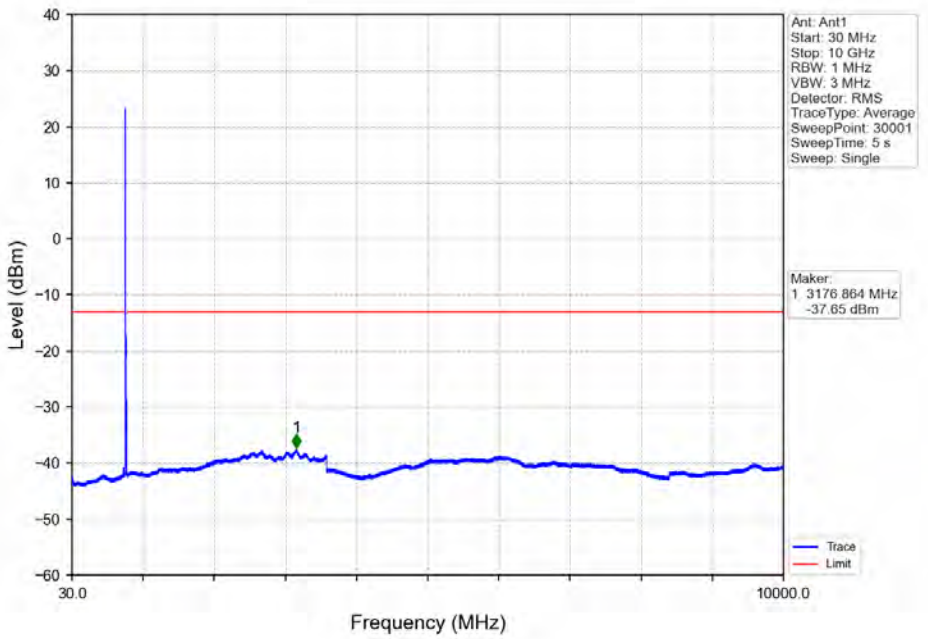
TEST GRAPH

Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

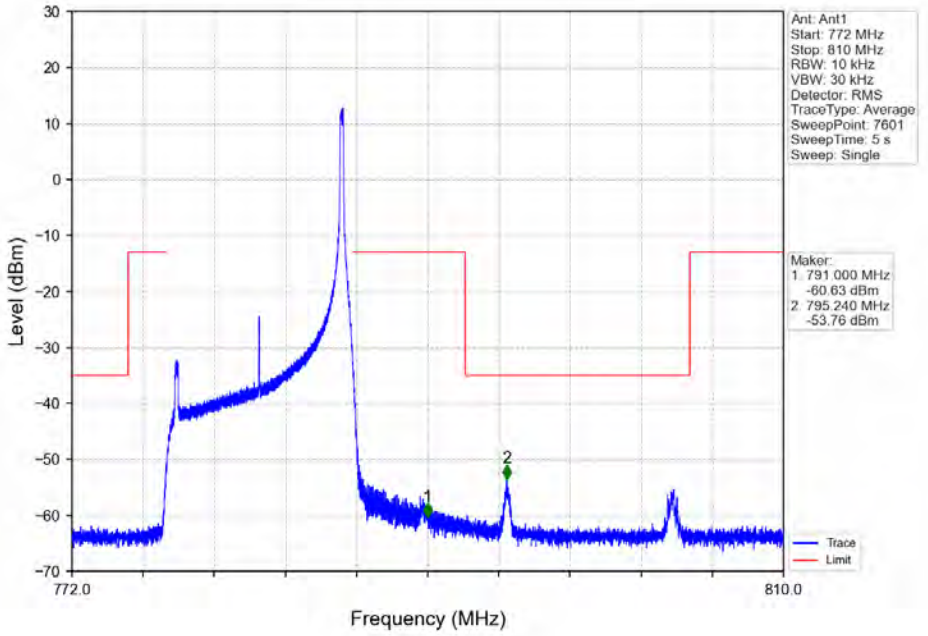


Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV

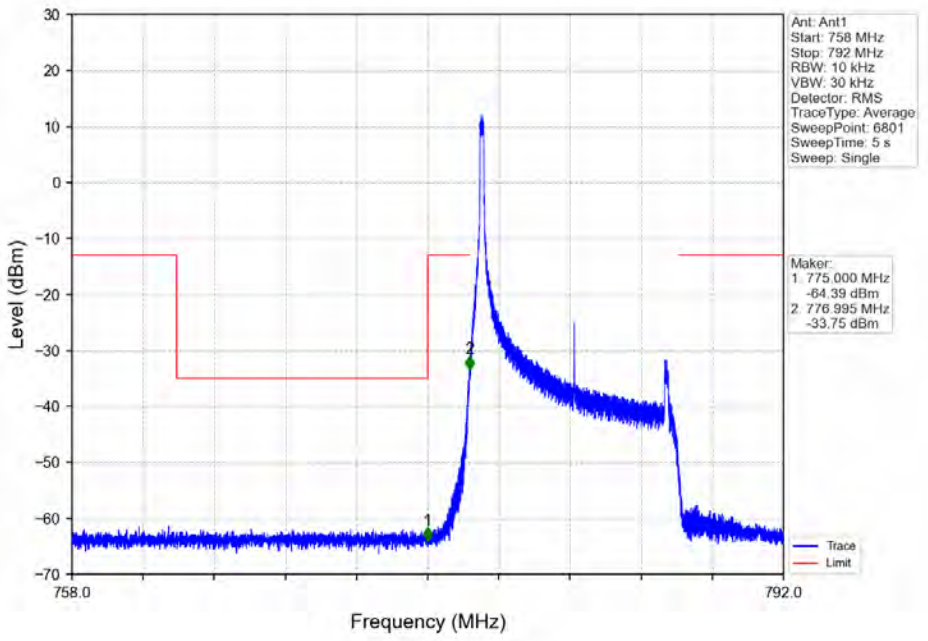
Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



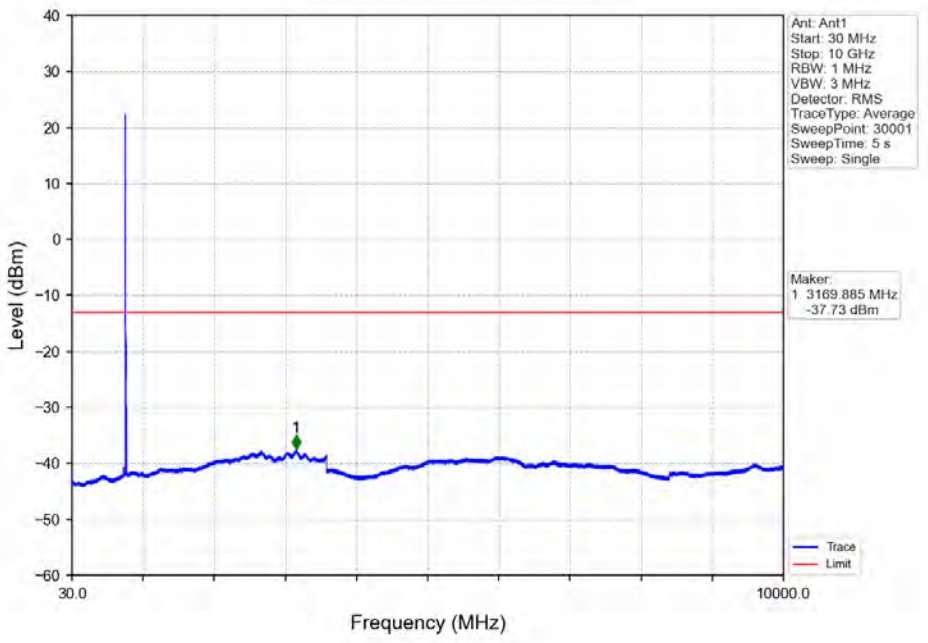
Band13_10MHz_QPSK_MCH_782MHz_RB_1_49_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

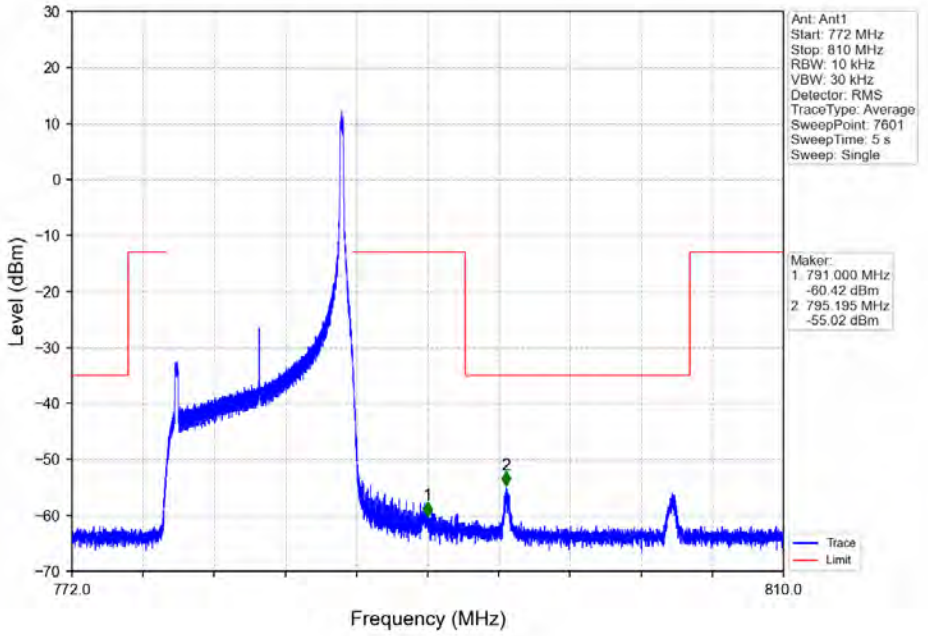


Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

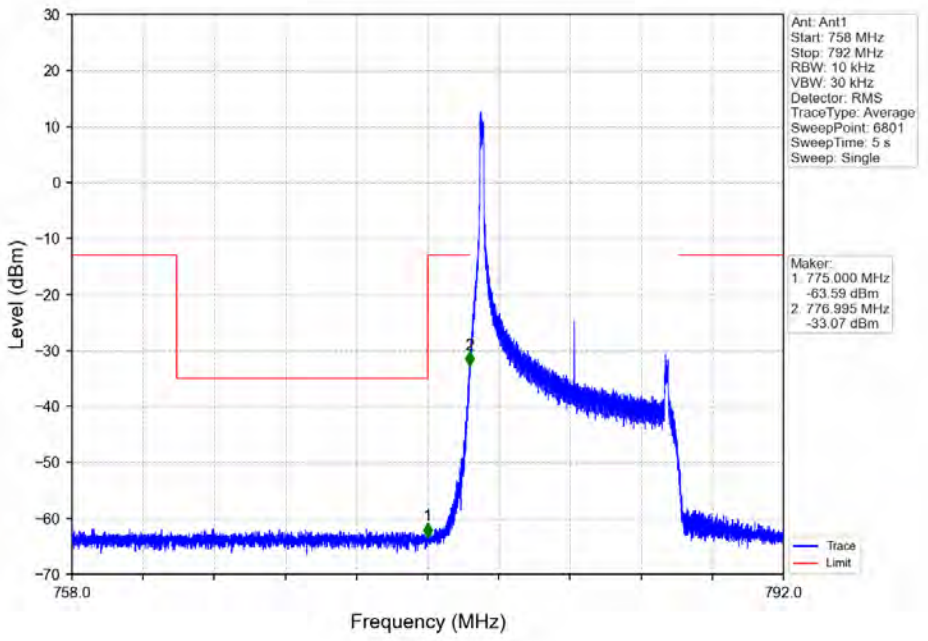


Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

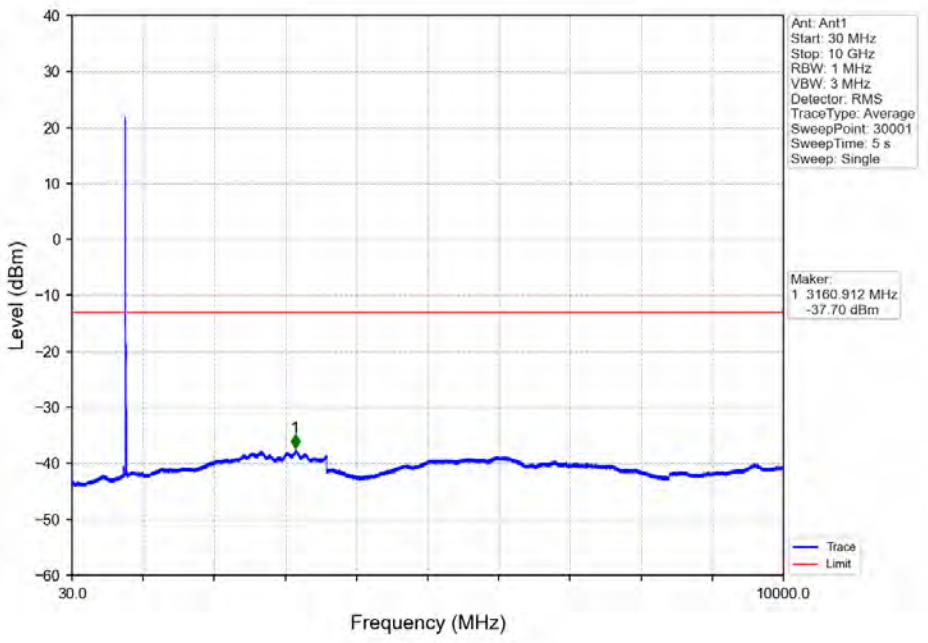
Band13_10MHz_16QAM_MCH_782MHz_RB_1_49_NTNV

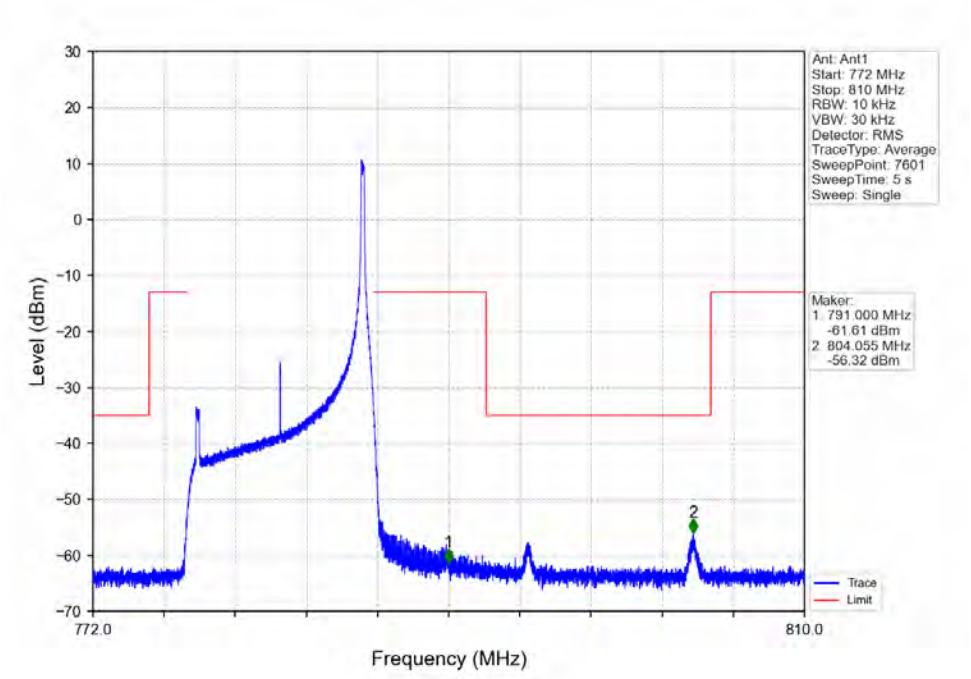


Band13_10MHz_64QAM_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

Band13_10MHz_64QAM_MCH_782MHz_RB_1_49_NTNV