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	22.12	-1.35	18.62	<=34.77	Pass
			2	21.90	-1.35	18.40	<=34.77	Pass
			5	21.91	-1.35	18.41	<=34.77	Pass
		3	0	21.97	-1.35	18.47	<=34.77	Pass
			2	21.89	-1.35	18.39	<=34.77	Pass
			3	21.87	-1.35	18.37	<=34.77	Pass
		6	0	21.02	-1.35	17.52	<=34.77	Pass
	707.5	1	0	22.58	-1.35	19.08	<=34.77	Pass
			2	22.64	-1.35	19.14	<=34.77	Pass
			5	22.58	-1.35	19.08	<=34.77	Pass
		3	0	22.62	-1.35	19.12	<=34.77	Pass
			2	22.63	-1.35	19.13	<=34.77	Pass
			3	22.63	-1.35	19.13	<=34.77	Pass
		6	0	21.53	-1.35	18.03	<=34.77	Pass
	715.3	1	0	22.30	-1.35	18.80	<=34.77	Pass
			2	22.30	-1.35	18.80	<=34.77	Pass
			5	22.46	-1.35	18.96	<=34.77	Pass
		3	0	22.26	-1.35	18.76	<=34.77	Pass
			2	22.33	-1.35	18.83	<=34.77	Pass
			3	22.39	-1.35	18.89	<=34.77	Pass
		6	0	21.59	-1.35	18.09	<=34.77	Pass
16QAM	699.7	1	0	21.04	-1.35	17.54	<=34.77	Pass
			2	20.93	-1.35	17.43	<=34.77	Pass
			5	20.99	-1.35	17.49	<=34.77	Pass
		3	0	21.19	-1.35	17.69	<=34.77	Pass
			2	21.18	-1.35	17.68	<=34.77	Pass
			3	21.19	-1.35	17.69	<=34.77	Pass
		6	0	20.12	-1.35	16.62	<=34.77	Pass
	707.5	1	0	21.63	-1.35	18.13	<=34.77	Pass
			2	21.69	-1.35	18.19	<=34.77	Pass
			5	21.63	-1.35	18.13	<=34.77	Pass
		3	0	21.47	-1.35	17.97	<=34.77	Pass
			2	21.49	-1.35	17.99	<=34.77	Pass
			3	21.48	-1.35	17.98	<=34.77	Pass
		6	0	20.51	-1.35	17.01	<=34.77	Pass
	715.3	1	0	21.36	-1.35	17.86	<=34.77	Pass
			2	21.40	-1.35	17.90	<=34.77	Pass
			5	21.53	-1.35	18.03	<=34.77	Pass
		3	0	21.40	-1.35	17.90	<=34.77	Pass
			2	21.44	-1.35	17.94	<=34.77	Pass
			3	21.42	-1.35	17.92	<=34.77	Pass
		6	0	20.44	-1.35	16.94	<=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	22.31	-1.35	18.81	<=34.77	Pass
			7	21.83	-1.35	18.33	<=34.77	Pass
			14	21.94	-1.35	18.44	<=34.77	Pass
		8	0	21.11	-1.35	17.61	<=34.77	Pass
			4	21.02	-1.35	17.52	<=34.77	Pass
			7	21.07	-1.35	17.57	<=34.77	Pass
		15	0	21.09	-1.35	17.59	<=34.77	Pass
	707.5	1	0	22.55	-1.35	19.05	<=34.77	Pass
			7	22.59	-1.35	19.09	<=34.77	Pass
			14	22.51	-1.35	19.01	<=34.77	Pass
		8	0	21.59	-1.35	18.09	<=34.77	Pass
			4	21.59	-1.35	18.09	<=34.77	Pass
			7	21.59	-1.35	18.09	<=34.77	Pass
		15	0	21.53	-1.35	18.03	<=34.77	Pass
	714.5	1	0	22.52	-1.35	19.02	<=34.77	Pass
			7	22.20	-1.35	18.70	<=34.77	Pass
			14	22.40	-1.35	18.90	<=34.77	Pass
		8	0	21.50	-1.35	18.00	<=34.77	Pass
			4	21.49	-1.35	17.99	<=34.77	Pass
			7	21.63	-1.35	18.13	<=34.77	Pass
		15	0	21.54	-1.35	18.04	<=34.77	Pass
16QAM	700.5	1	0	21.72	-1.35	18.22	<=34.77	Pass
			7	21.33	-1.35	17.83	<=34.77	Pass
			14	21.47	-1.35	17.97	<=34.77	Pass
		8	0	20.35	-1.35	16.85	<=34.77	Pass
			4	20.26	-1.35	16.76	<=34.77	Pass
			7	20.32	-1.35	16.82	<=34.77	Pass
		15	0	20.24	-1.35	16.74	<=34.77	Pass
	707.5	1	0	21.58	-1.35	18.08	<=34.77	Pass
			7	21.65	-1.35	18.15	<=34.77	Pass
			14	21.61	-1.35	18.11	<=34.77	Pass
		8	0	20.54	-1.35	17.04	<=34.77	Pass
			4	20.55	-1.35	17.05	<=34.77	Pass
			7	20.55	-1.35	17.05	<=34.77	Pass
		15	0	20.51	-1.35	17.01	<=34.77	Pass
	714.5	1	0	21.48	-1.35	17.98	<=34.77	Pass
			7	21.30	-1.35	17.80	<=34.77	Pass
			14	21.47	-1.35	17.97	<=34.77	Pass
		8	0	20.58	-1.35	17.08	<=34.77	Pass
			4	20.60	-1.35	17.10	<=34.77	Pass
			7	20.58	-1.35	17.08	<=34.77	Pass
		15	0	20.55	-1.35	17.05	<=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	22.34	-1.35	18.84	<=34.77	Pass
			13	21.70	-1.35	18.20	<=34.77	Pass
			24	22.40	-1.35	18.90	<=34.77	Pass
		12	0	20.93	-1.35	17.43	<=34.77	Pass
			6	20.83	-1.35	17.33	<=34.77	Pass
			13	21.12	-1.35	17.62	<=34.77	Pass
		25	0	21.00	-1.35	17.50	<=34.77	Pass
	707.5	1	0	22.63	-1.35	19.13	<=34.77	Pass
			13	22.61	-1.35	19.11	<=34.77	Pass
			24	22.54	-1.35	19.04	<=34.77	Pass
		12	0	21.55	-1.35	18.05	<=34.77	Pass
			6	21.55	-1.35	18.05	<=34.77	Pass
			13	21.52	-1.35	18.02	<=34.77	Pass
		25	0	21.50	-1.35	18.00	<=34.77	Pass
	713.5	1	0	22.66	-1.35	19.16	<=34.77	Pass
			13	21.93	-1.35	18.43	<=34.77	Pass
			24	22.25	-1.35	18.75	<=34.77	Pass
		12	0	21.47	-1.35	17.97	<=34.77	Pass
			6	21.14	-1.35	17.64	<=34.77	Pass
			13	21.26	-1.35	17.76	<=34.77	Pass
		25	0	21.32	-1.35	17.82	<=34.77	Pass
16QAM	701.5	1	0	21.19	-1.35	17.69	<=34.77	Pass
			13	20.61	-1.35	17.11	<=34.77	Pass
			24	21.30	-1.35	17.80	<=34.77	Pass
		12	0	20.01	-1.35	16.51	<=34.77	Pass
			6	19.91	-1.35	16.41	<=34.77	Pass
			13	20.22	-1.35	16.72	<=34.77	Pass
		25	0	20.11	-1.35	16.61	<=34.77	Pass
	707.5	1	0	21.68	-1.35	18.18	<=34.77	Pass
			13	21.73	-1.35	18.23	<=34.77	Pass
			24	21.71	-1.35	18.21	<=34.77	Pass
		12	0	20.59	-1.35	17.09	<=34.77	Pass
			6	20.59	-1.35	17.09	<=34.77	Pass
			13	20.60	-1.35	17.10	<=34.77	Pass
		25	0	20.51	-1.35	17.01	<=34.77	Pass
	713.5	1	0	21.61	-1.35	18.11	<=34.77	Pass
			13	21.06	-1.35	17.56	<=34.77	Pass
			24	21.53	-1.35	18.03	<=34.77	Pass
		12	0	20.55	-1.35	17.05	<=34.77	Pass
			6	20.22	-1.35	16.72	<=34.77	Pass
			13	20.28	-1.35	16.78	<=34.77	Pass
		25	0	20.38	-1.35	16.88	<=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	22.15	-1.35	18.65	<=34.77	Pass
			25	22.51	-1.35	19.01	<=34.77	Pass

			49	22.63	-1.35	19.13	<=34.77	Pass
		25	0	21.27	-1.35	17.77	<=34.77	Pass
			13	21.52	-1.35	18.02	<=34.77	Pass
			25	21.51	-1.35	18.01	<=34.77	Pass
		50	0	21.54	-1.35	18.04	<=34.77	Pass
	707.5	1	0	22.38	-1.35	18.88	<=34.77	Pass
			25	22.62	-1.35	19.12	<=34.77	Pass
			49	22.06	-1.35	18.56	<=34.77	Pass
		25	0	21.49	-1.35	17.99	<=34.77	Pass
			13	21.52	-1.35	18.02	<=34.77	Pass
			25	21.56	-1.35	18.06	<=34.77	Pass
		50	0	21.56	-1.35	18.06	<=34.77	Pass
	711	1	0	22.70	-1.35	19.20	<=34.77	Pass
			25	22.63	-1.35	19.13	<=34.77	Pass
			49	21.98	-1.35	18.48	<=34.77	Pass
		25	0	21.54	-1.35	18.04	<=34.77	Pass
			13	21.57	-1.35	18.07	<=34.77	Pass
			25	21.24	-1.35	17.74	<=34.77	Pass
		50	0	21.57	-1.35	18.07	<=34.77	Pass
16QAM	704	1	0	21.60	-1.35	18.10	<=34.77	Pass
			25	21.95	-1.35	18.45	<=34.77	Pass
			49	21.97	-1.35	18.47	<=34.77	Pass
		25	0	20.38	-1.35	16.88	<=34.77	Pass
			13	20.57	-1.35	17.07	<=34.77	Pass
			25	20.58	-1.35	17.08	<=34.77	Pass
		50	0	20.54	-1.35	17.04	<=34.77	Pass
	707.5	1	0	21.62	-1.35	18.12	<=34.77	Pass
			25	21.66	-1.35	18.16	<=34.77	Pass
			49	21.37	-1.35	17.87	<=34.77	Pass
		25	0	20.52	-1.35	17.02	<=34.77	Pass
			13	20.56	-1.35	17.06	<=34.77	Pass
			25	20.59	-1.35	17.09	<=34.77	Pass
		50	0	20.57	-1.35	17.07	<=34.77	Pass
	711	1	0	21.51	-1.35	18.01	<=34.77	Pass
			25	21.59	-1.35	18.09	<=34.77	Pass
			49	21.12	-1.35	17.62	<=34.77	Pass
		25	0	20.63	-1.35	17.13	<=34.77	Pass
			13	20.66	-1.35	17.16	<=34.77	Pass
			25	20.41	-1.35	16.91	<=34.77	Pass
		50	0	20.61	-1.35	17.11	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	13.247	0.0189	-2.5 to 2.5	Pass
					3.85	3.419	0.0049	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0065	-2.5 to 2.5	Pass

				-30	3.85	-5.336	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	15.979	0.0228	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				30	3.85	5.136	0.0073	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0034	-2.5 to 2.5	Pass
				50	3.85	12.717	0.0182	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	5.364	0.0076	-2.5 to 2.5	Pass
					3.85	3.104	0.0044	-2.5 to 2.5	Pass
					4.43	5.336	0.0075	-2.5 to 2.5	Pass
				-30	3.85	12.960	0.0183	-2.5 to 2.5	Pass
				-20	3.85	-5.064	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
				10	3.85	9.413	0.0133	-2.5 to 2.5	Pass
				30	3.85	5.064	0.0072	-2.5 to 2.5	Pass
				40	3.85	4.635	0.0066	-2.5 to 2.5	Pass
				50	3.85	8.383	0.0118	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	7.224	0.0101	-2.5 to 2.5	Pass
					3.85	13.447	0.0188	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.991	0.0056	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0022	-2.5 to 2.5	Pass
				-10	3.85	7.210	0.0101	-2.5 to 2.5	Pass
				0	3.85	3.834	0.0054	-2.5 to 2.5	Pass
				10	3.85	3.476	0.0049	-2.5 to 2.5	Pass
				30	3.85	8.268	0.0116	-2.5 to 2.5	Pass
				40	3.85	1.259	0.0018	-2.5 to 2.5	Pass
				50	3.85	-42.787	-0.0598	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-2.604	-0.0037	-2.5 to 2.5	Pass
					3.85	7.067	0.0101	-2.5 to 2.5	Pass
					4.43	-23.775	-0.0340	-2.5 to 2.5	Pass
				-30	3.85	-4.091	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	9.098	0.0130	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0117	-2.5 to 2.5	Pass
				0	3.85	8.554	0.0122	-2.5 to 2.5	Pass
				10	3.85	3.762	0.0054	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				40	3.85	3.004	0.0043	-2.5 to 2.5	Pass
				50	3.85	1.001	0.0014	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	2.031	0.0029	-2.5 to 2.5	Pass
					3.85	3.190	0.0045	-2.5 to 2.5	Pass
					4.43	4.878	0.0069	-2.5 to 2.5	Pass
				-30	3.85	3.905	0.0055	-2.5 to 2.5	Pass
				-20	3.85	-8.225	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	3.848	0.0054	-2.5 to 2.5	Pass
				0	3.85	1.044	0.0015	-2.5 to 2.5	Pass
				10	3.85	7.381	0.0104	-2.5 to 2.5	Pass
				30	3.85	6.466	0.0091	-2.5 to 2.5	Pass
				40	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				50	3.85	7.610	0.0108	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	2.575	0.0036	-2.5 to 2.5	Pass
					3.85	2.203	0.0031	-2.5 to 2.5	Pass
					4.43	0.815	0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.977	0.0056	-2.5 to 2.5	Pass
				-20	3.85	0.486	0.0007	-2.5 to 2.5	Pass

				-10	3.85	3.505	0.0049	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.861	0.0040	-2.5 to 2.5	Pass
				30	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				40	3.85	2.103	0.0029	-2.5 to 2.5	Pass
				50	3.85	5.164	0.0072	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	10.672	0.0152	-2.5 to 2.5	Pass
					3.85	5.121	0.0073	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	23.074	0.0329	-2.5 to 2.5	Pass
				-10	3.85	15.235	0.0217	-2.5 to 2.5	Pass
				0	3.85	14.777	0.0211	-2.5 to 2.5	Pass
				10	3.85	8.283	0.0118	-2.5 to 2.5	Pass
				30	3.85	10.729	0.0153	-2.5 to 2.5	Pass
				40	3.85	4.005	0.0057	-2.5 to 2.5	Pass
				50	3.85	5.078	0.0072	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	12.703	0.0180	-2.5 to 2.5	Pass
					3.85	0.587	0.0008	-2.5 to 2.5	Pass
					4.43	4.077	0.0058	-2.5 to 2.5	Pass
				-30	3.85	-8.311	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	1.588	0.0022	-2.5 to 2.5	Pass
				-10	3.85	8.497	0.0120	-2.5 to 2.5	Pass
				0	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0040	-2.5 to 2.5	Pass
				30	3.85	1.473	0.0021	-2.5 to 2.5	Pass
				40	3.85	3.076	0.0043	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0009	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-6.537	-0.0091	-2.5 to 2.5	Pass
					3.85	13.118	0.0184	-2.5 to 2.5	Pass
					4.43	4.864	0.0068	-2.5 to 2.5	Pass
				-30	3.85	10.943	0.0153	-2.5 to 2.5	Pass
				-20	3.85	3.791	0.0053	-2.5 to 2.5	Pass
				-10	3.85	7.396	0.0104	-2.5 to 2.5	Pass
				0	3.85	13.332	0.0187	-2.5 to 2.5	Pass
				10	3.85	5.193	0.0073	-2.5 to 2.5	Pass
				30	3.85	6.666	0.0093	-2.5 to 2.5	Pass
				40	3.85	2.189	0.0031	-2.5 to 2.5	Pass
				50	3.85	8.154	0.0114	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	7.839	0.0112	-2.5 to 2.5	Pass
					3.85	3.934	0.0056	-2.5 to 2.5	Pass
					4.43	1.974	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	7.167	0.0102	-2.5 to 2.5	Pass
				-10	3.85	-3.791	-0.0054	-2.5 to 2.5	Pass
				0	3.85	3.948	0.0056	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass

				30	3.85	2.375	0.0034	-2.5 to 2.5	Pass
				40	3.85	7.925	0.0113	-2.5 to 2.5	Pass
				50	3.85	8.512	0.0122	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	4.978	0.0070	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
					4.43	2.074	0.0029	-2.5 to 2.5	Pass
				-30	3.85	3.676	0.0052	-2.5 to 2.5	Pass
				-20	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				-10	3.85	6.866	0.0097	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0016	-2.5 to 2.5	Pass
				10	3.85	4.435	0.0063	-2.5 to 2.5	Pass
				30	3.85	0.973	0.0014	-2.5 to 2.5	Pass
				40	3.85	3.433	0.0049	-2.5 to 2.5	Pass
				50	3.85	1.960	0.0028	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.887	0.0012	-2.5 to 2.5	Pass
					3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
					4.43	1.602	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	1.116	0.0016	-2.5 to 2.5	Pass
				-10	3.85	4.735	0.0066	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0030	-2.5 to 2.5	Pass
				10	3.85	3.190	0.0045	-2.5 to 2.5	Pass
				30	3.85	3.176	0.0044	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.131	0.0030	-2.5 to 2.5	Pass

2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-7.467	-0.0106	-2.5 to 2.5	Pass
					3.85	3.905	0.0056	-2.5 to 2.5	Pass
					4.43	1.030	0.0015	-2.5 to 2.5	Pass
				-30	3.85	10.886	0.0155	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0046	-2.5 to 2.5	Pass
				0	3.85	4.506	0.0064	-2.5 to 2.5	Pass
				10	3.85	2.904	0.0041	-2.5 to 2.5	Pass
				30	3.85	4.606	0.0066	-2.5 to 2.5	Pass
				40	3.85	1.960	0.0028	-2.5 to 2.5	Pass
				50	3.85	4.320	0.0062	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.401	0.0006	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
					4.43	2.732	0.0039	-2.5 to 2.5	Pass
				-30	3.85	2.875	0.0041	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.721	0.0067	-2.5 to 2.5	Pass
				0	3.85	1.531	0.0022	-2.5 to 2.5	Pass
				10	3.85	3.304	0.0047	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.904	0.0041	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-5.279	-0.0074	-2.5 to 2.5	Pass
					3.85	4.077	0.0057	-2.5 to 2.5	Pass
					4.43	5.178	0.0073	-2.5 to 2.5	Pass
				-30	3.85	4.935	0.0069	-2.5 to 2.5	Pass
				-20	3.85	0.730	0.0010	-2.5 to 2.5	Pass
				-10	3.85	3.662	0.0051	-2.5 to 2.5	Pass
				0	3.85	2.460	0.0034	-2.5 to 2.5	Pass
				10	3.85	6.566	0.0092	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.861	0.0040	-2.5 to 2.5	Pass
				50	3.85	2.632	0.0037	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.772	-0.0011	-2.5 to 2.5	Pass
					3.85	0.901	0.0013	-2.5 to 2.5	Pass
					4.43	0.815	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.373	0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.087	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.330	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.232	0.0032	-2.5 to 2.5	Pass
				40	3.85	5.121	0.0073	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	1.059	0.0015	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	3.219	0.0045	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				10	3.85	2.332	0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.272	0.0004	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.403	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	1.345	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0051	-2.5 to 2.5	Pass
				0	3.85	2.675	0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				40	3.85	3.290	0.0046	-2.5 to 2.5	Pass
				50	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass

2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-10.786	-0.0153	-2.5 to 2.5	Pass
					3.85	1.187	0.0017	-2.5 to 2.5	Pass
					4.43	4.220	0.0060	-2.5 to 2.5	Pass

				-30	3.85	6.008	0.0085	-2.5 to 2.5	Pass
				-20	3.85	2.518	0.0036	-2.5 to 2.5	Pass
				-10	3.85	3.090	0.0044	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.030	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				40	3.85	4.163	0.0059	-2.5 to 2.5	Pass
				50	3.85	2.089	0.0030	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-6.995	-0.0099	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
					4.43	0.744	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.057	0.0001	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-3.319	-0.0047	-2.5 to 2.5	Pass
					3.85	3.204	0.0045	-2.5 to 2.5	Pass
					4.43	3.777	0.0053	-2.5 to 2.5	Pass
				-30	3.85	2.289	0.0032	-2.5 to 2.5	Pass
				-20	3.85	2.689	0.0038	-2.5 to 2.5	Pass
				-10	3.85	1.330	0.0019	-2.5 to 2.5	Pass
				0	3.85	2.174	0.0031	-2.5 to 2.5	Pass
				10	3.85	1.273	0.0018	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0032	-2.5 to 2.5	Pass
				40	3.85	1.802	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.003	0.0028	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	0.415	0.0006	-2.5 to 2.5	Pass
					3.85	2.317	0.0033	-2.5 to 2.5	Pass
					4.43	0.973	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.731	0.0025	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.443	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
				40	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.758	0.0011	-2.5 to 2.5	Pass
					3.85	1.917	0.0027	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass

				-10	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				0	3.85	1.874	0.0026	-2.5 to 2.5	Pass
				10	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0006	-2.5 to 2.5	Pass

3. Modulation Characteristics

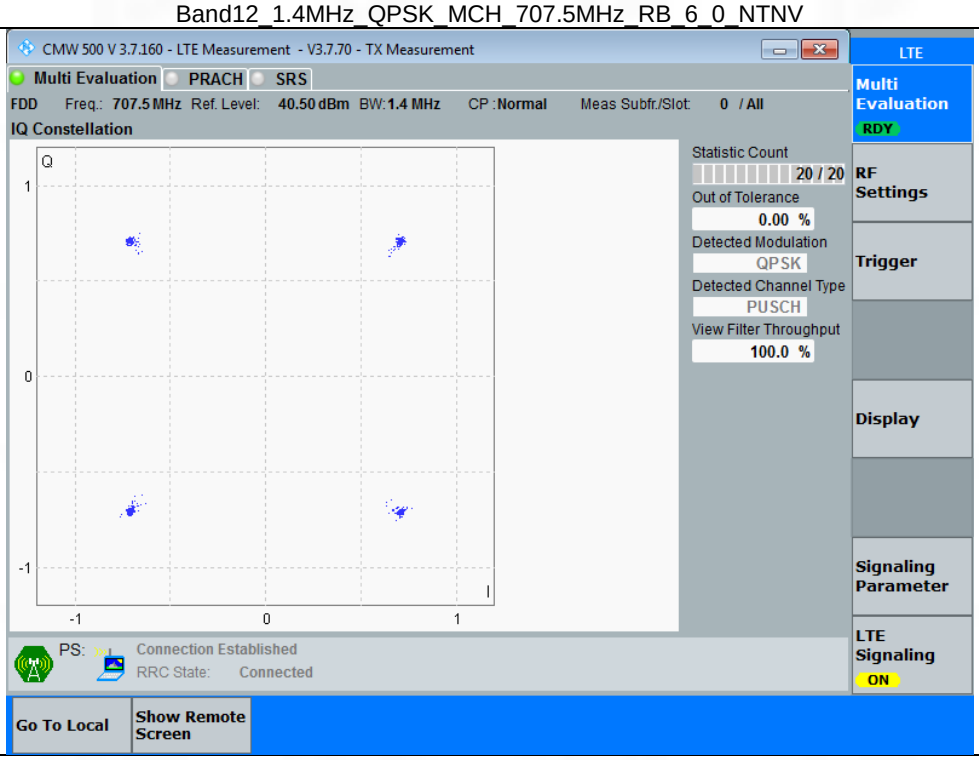
3.1 B12_1.4MHz

3.1.1 Test Result

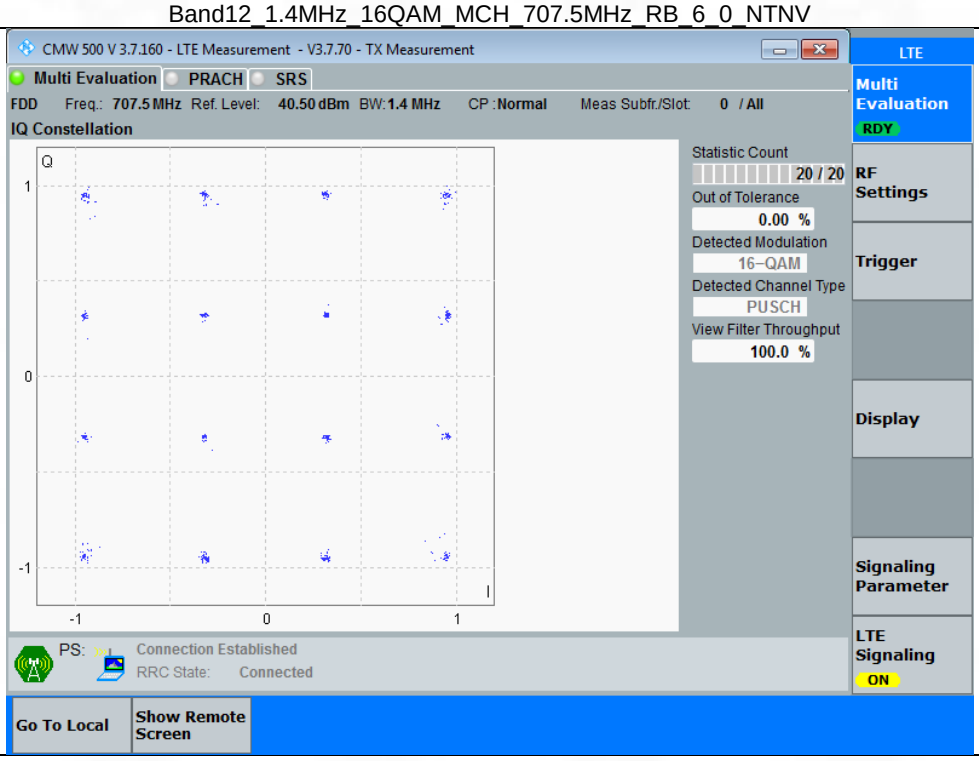
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



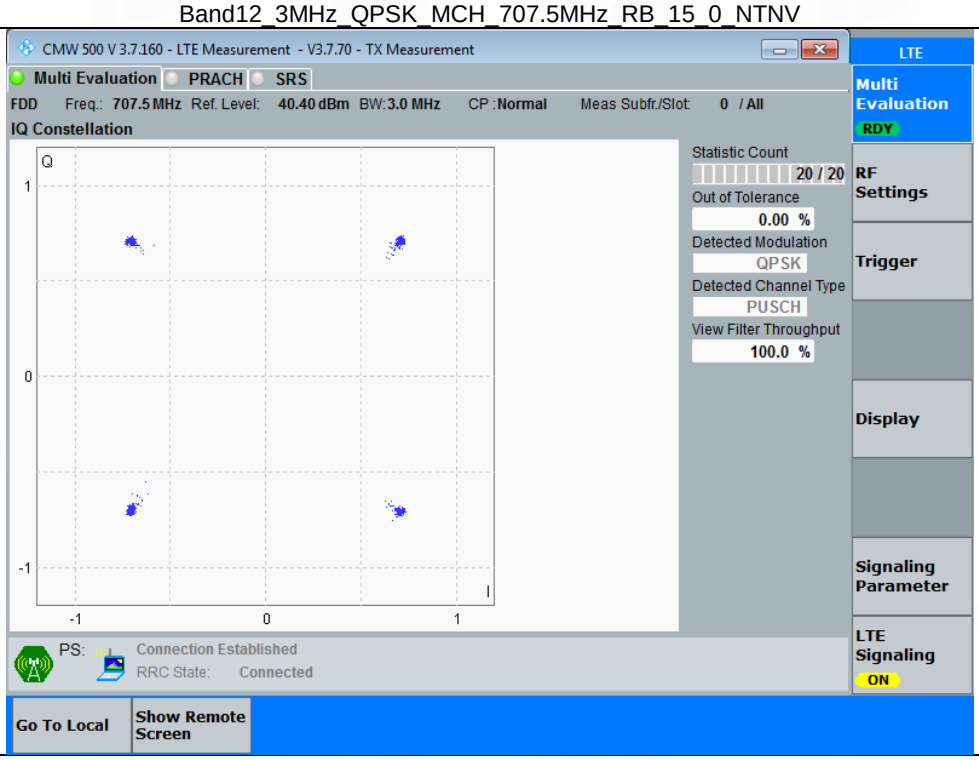
3.2 B12_3MHz

3.2.1 Test Result

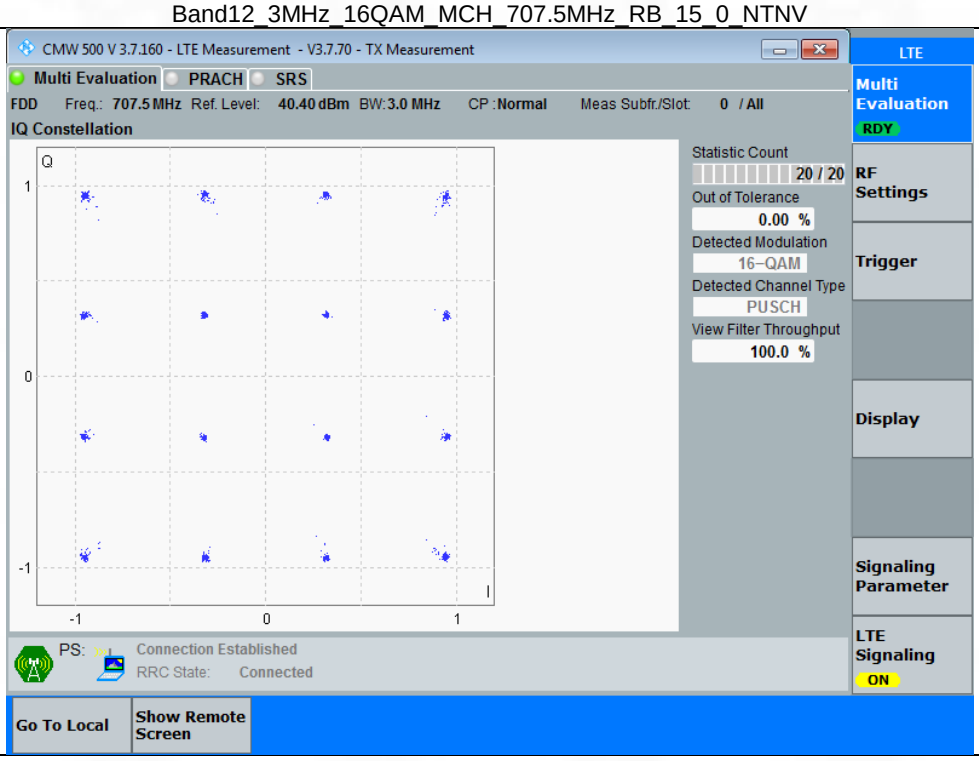
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



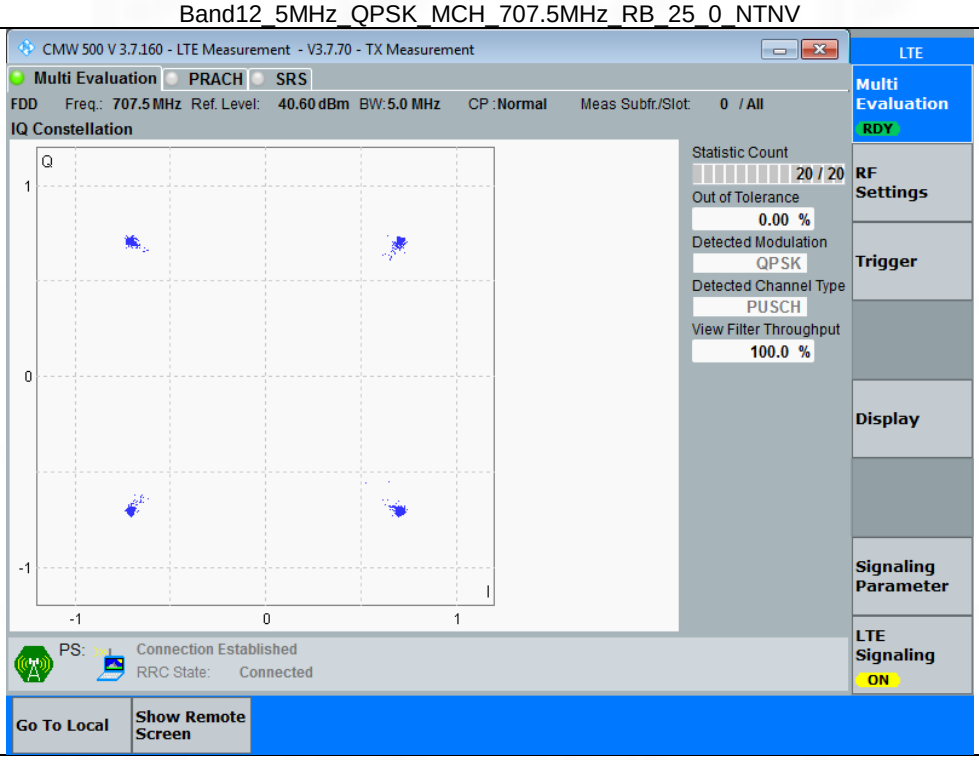
3.3 B12_5MHz

3.3.1 Test Result

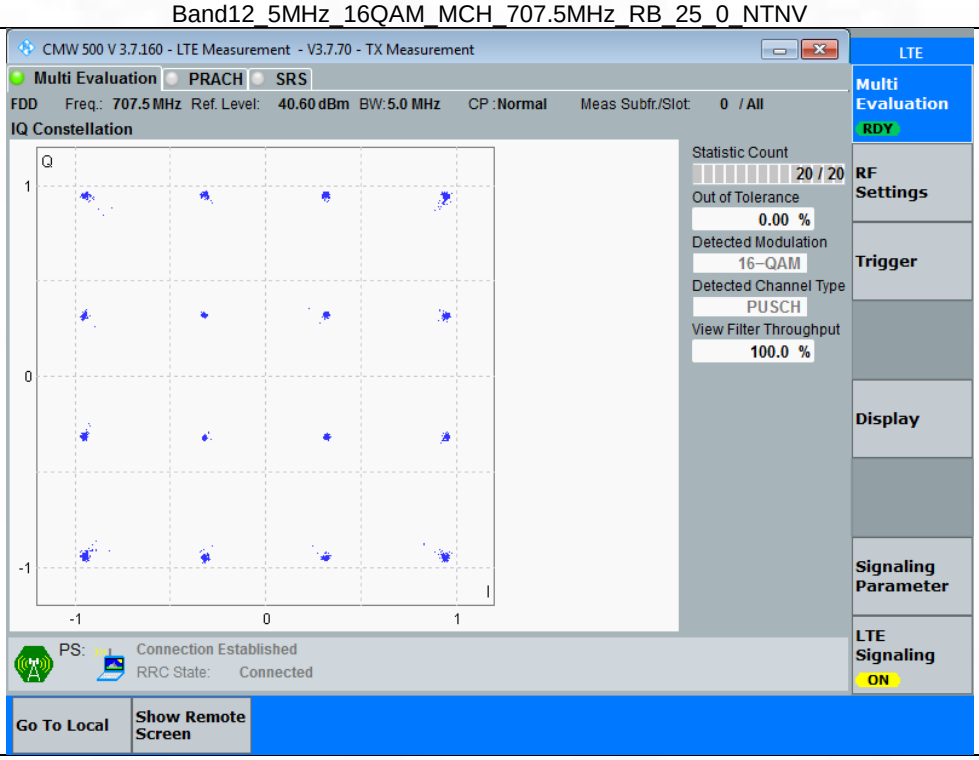
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



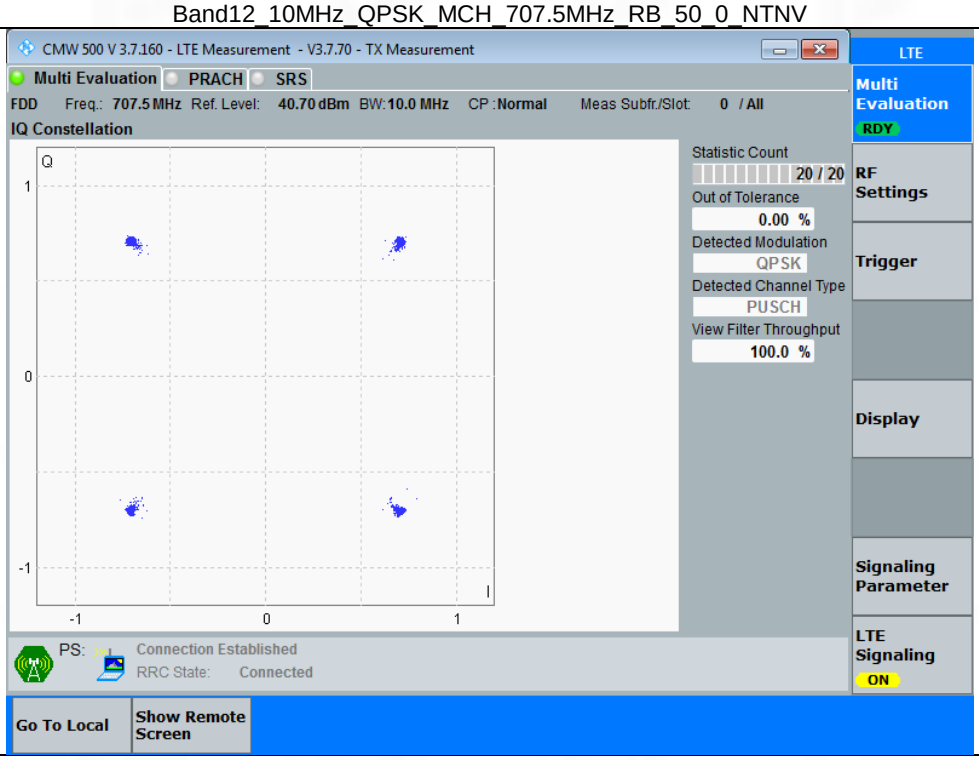
3.4 B12_10MHz

3.4.1 Test Result

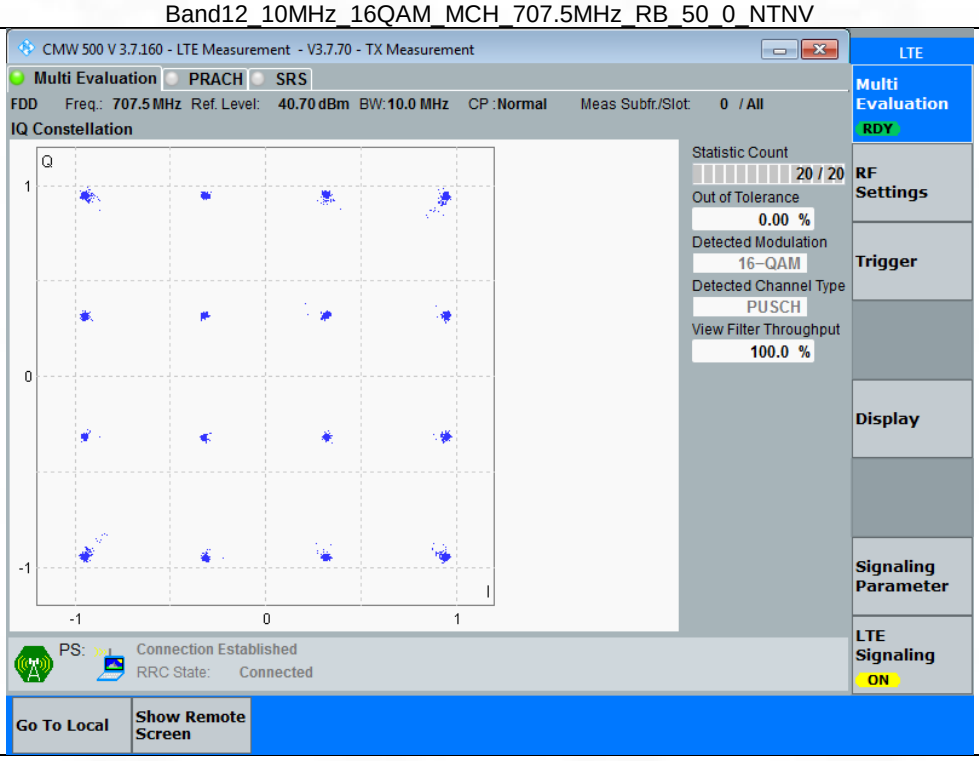
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

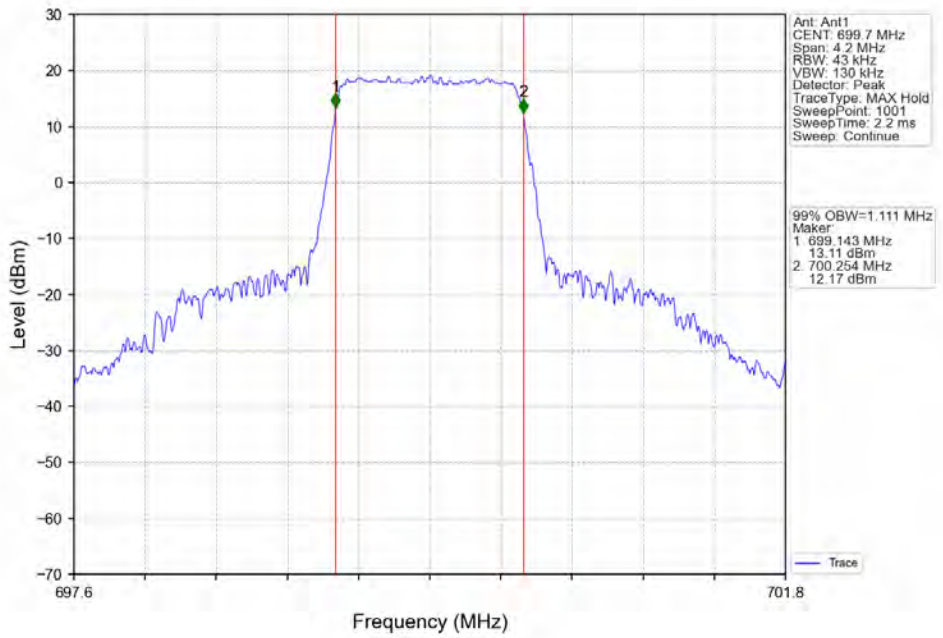
4.1 Band12_OBW

4.1.1 Test Result

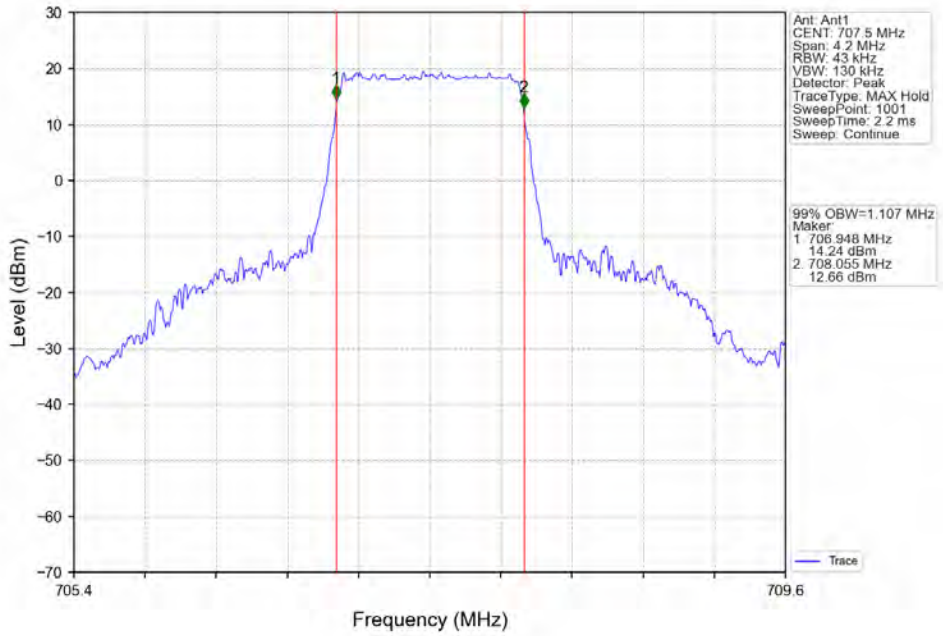
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.111	/	Pass
		707.5	6	0	1.107	/	Pass
		715.3	6	0	1.114	/	Pass
	16QAM	699.7	6	0	1.110	/	Pass
		707.5	6	0	1.114	/	Pass
		715.3	6	0	1.110	/	Pass
3	QPSK	700.5	15	0	2.748	/	Pass
		707.5	15	0	2.738	/	Pass
		714.5	15	0	2.737	/	Pass
	16QAM	700.5	15	0	2.735	/	Pass
		707.5	15	0	2.727	/	Pass
		714.5	15	0	2.738	/	Pass
5	QPSK	701.5	25	0	4.586	/	Pass
		707.5	25	0	4.566	/	Pass
		713.5	25	0	4.570	/	Pass
	16QAM	701.5	25	0	4.583	/	Pass
		707.5	25	0	4.577	/	Pass
		713.5	25	0	4.587	/	Pass
10	QPSK	704	50	0	9.100	/	Pass
		707.5	50	0	9.007	/	Pass
		711	50	0	9.083	/	Pass
	16QAM	704	50	0	9.107	/	Pass
		707.5	50	0	9.030	/	Pass
		711	50	0	9.077	/	Pass

4.1.2 Test Graph

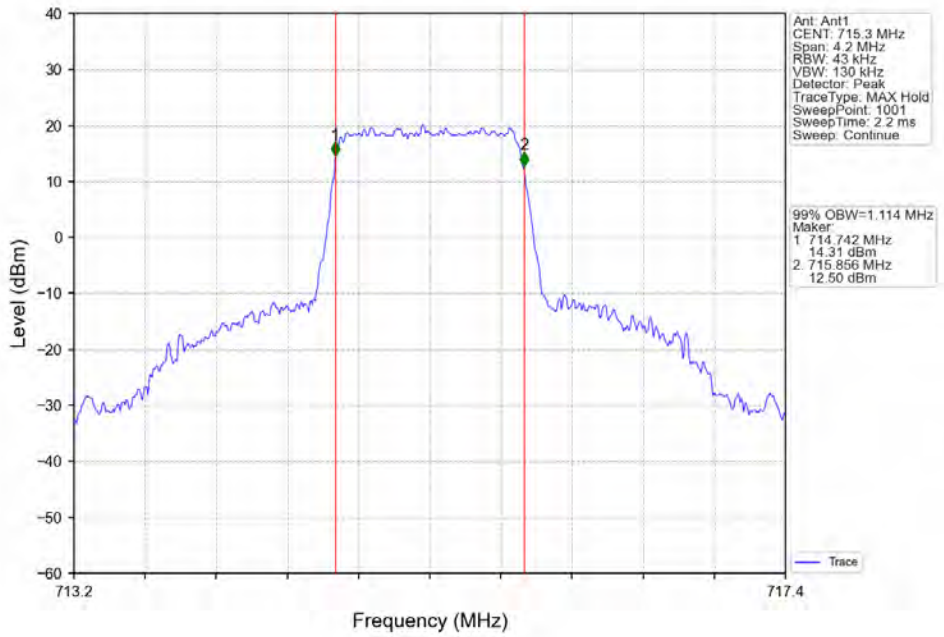
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



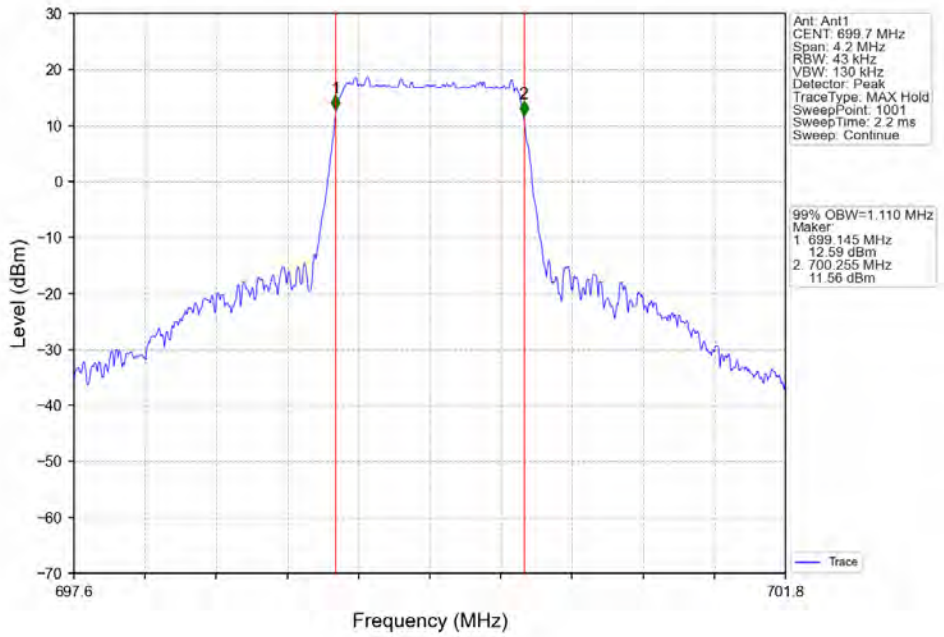
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



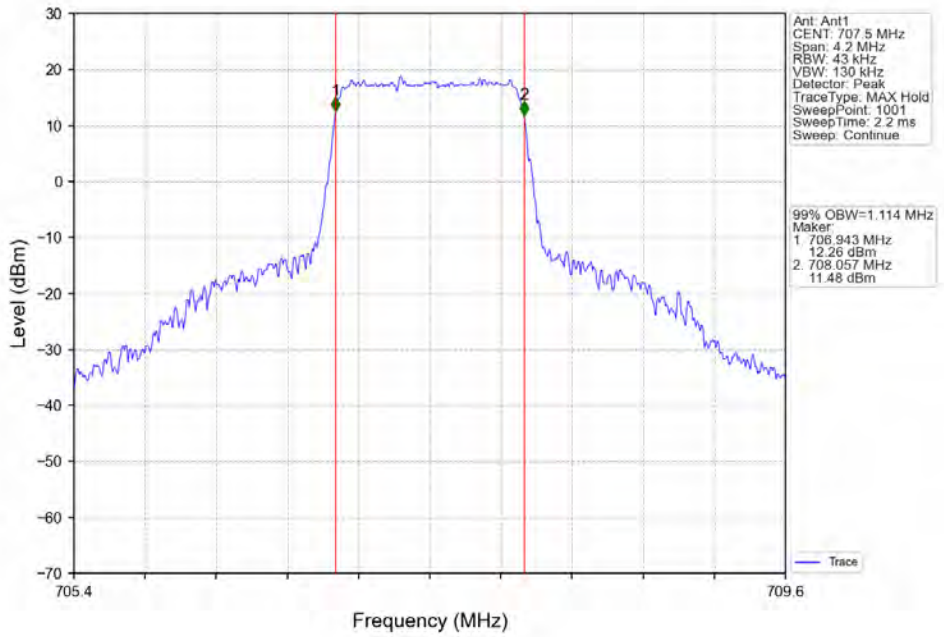
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



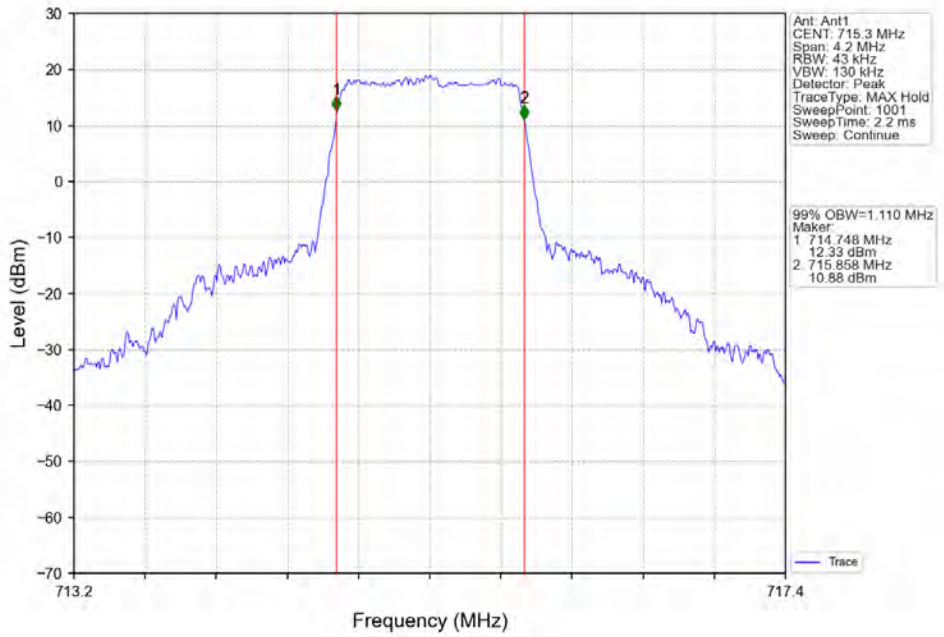
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



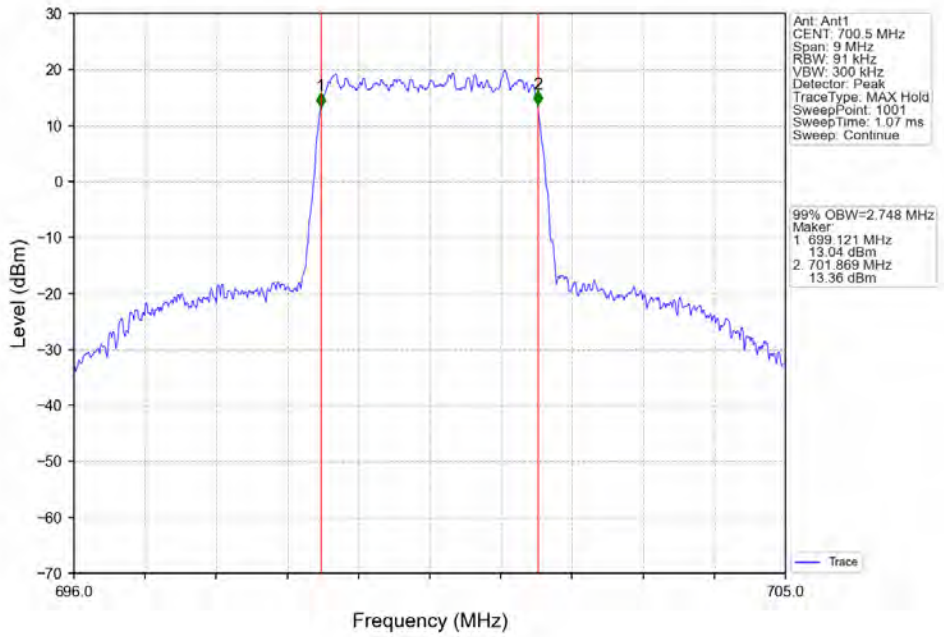
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



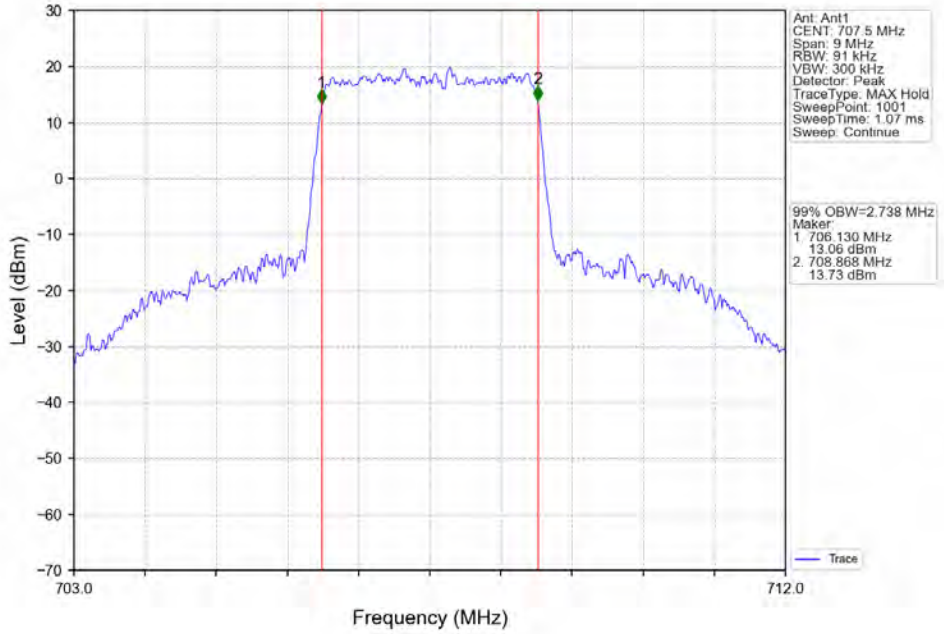
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



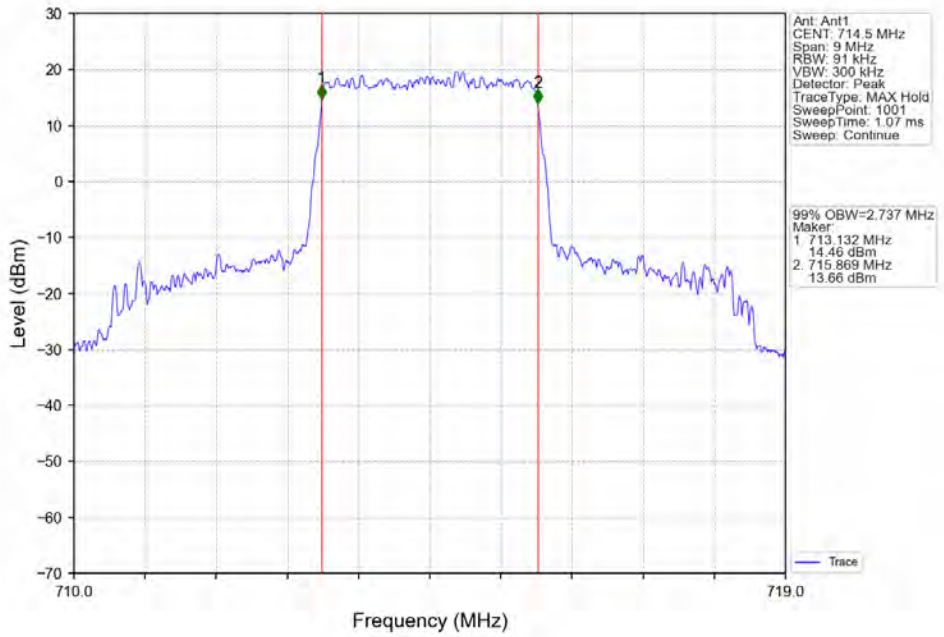
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



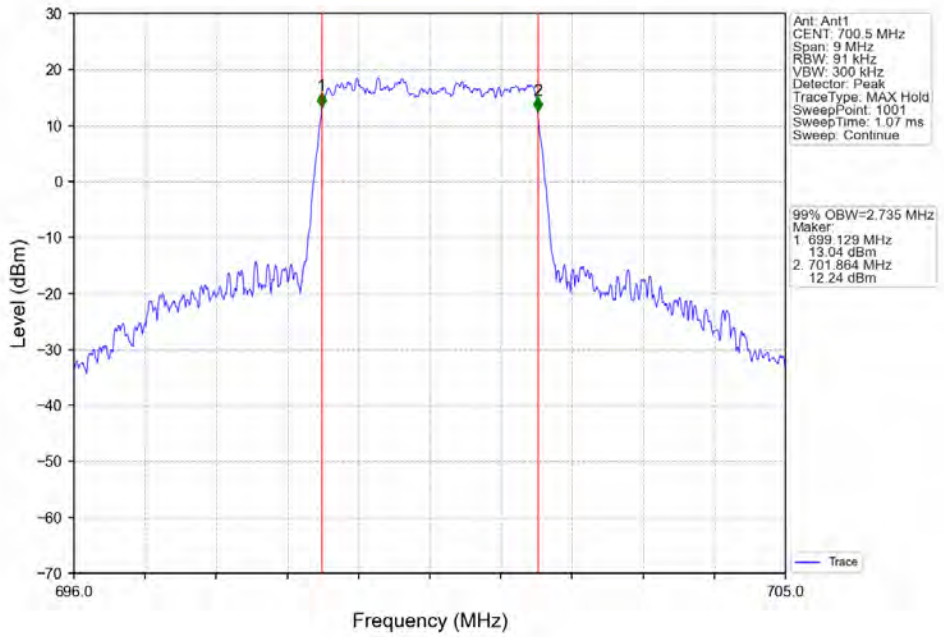
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



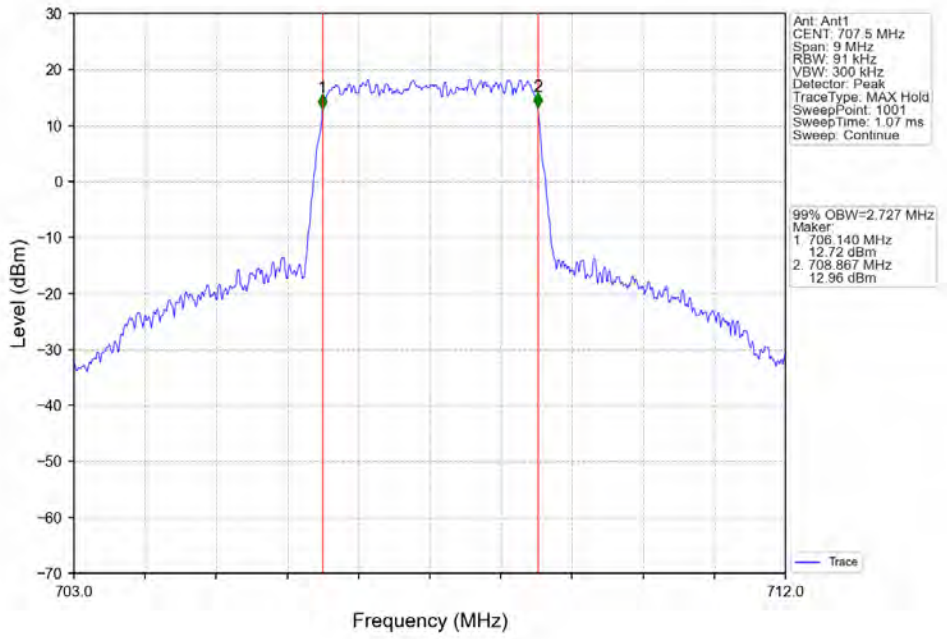
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



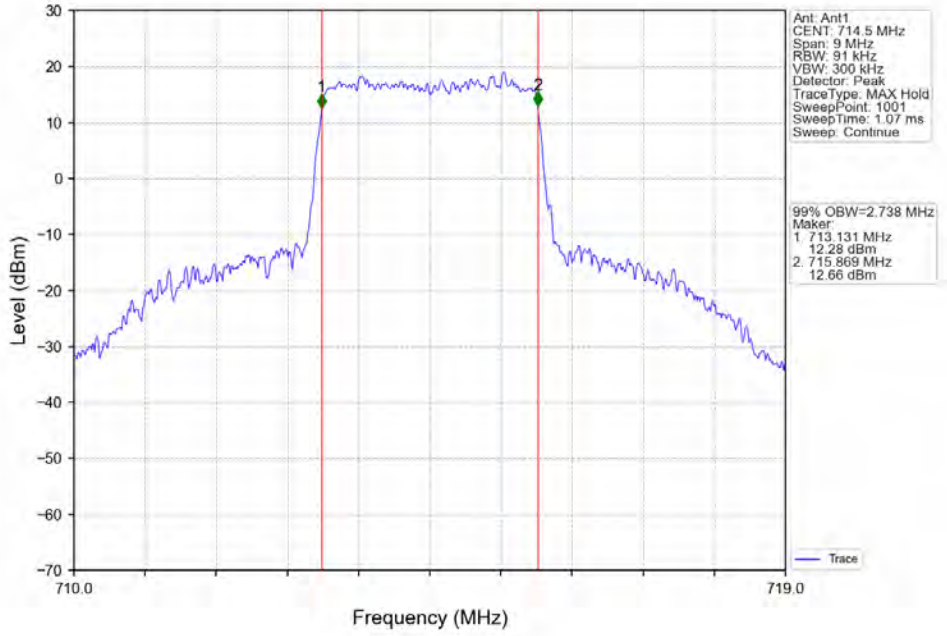
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



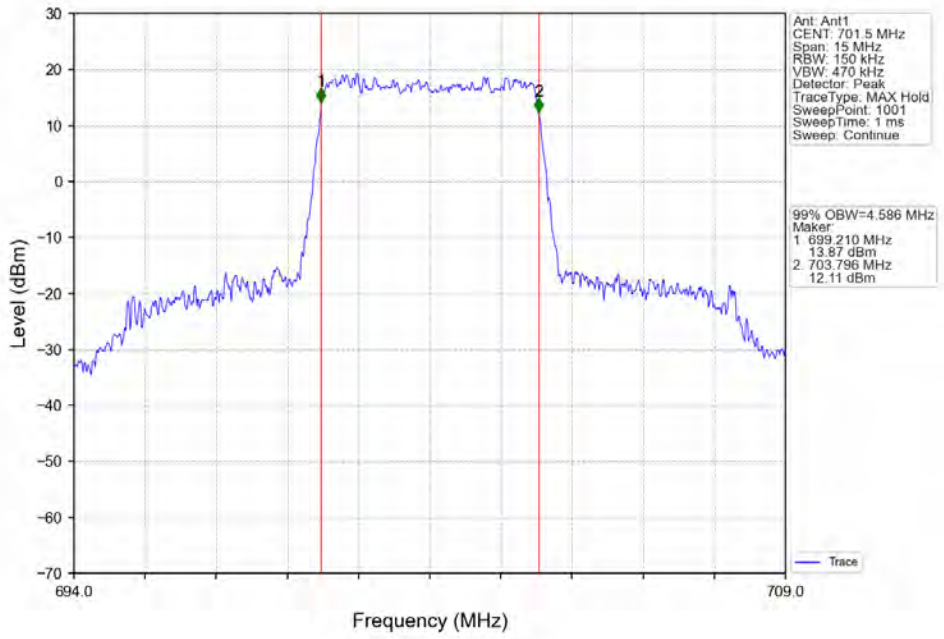
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



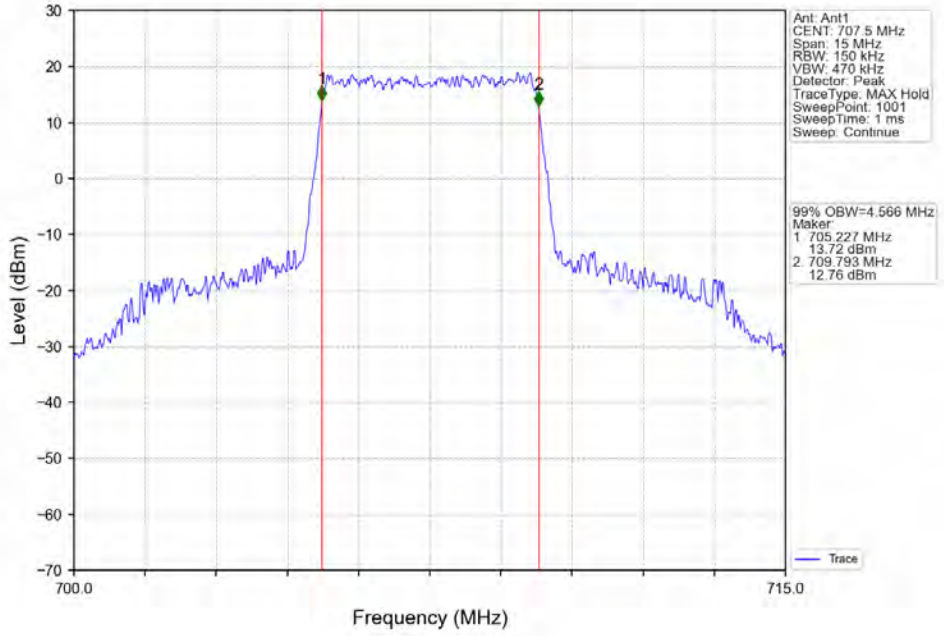
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



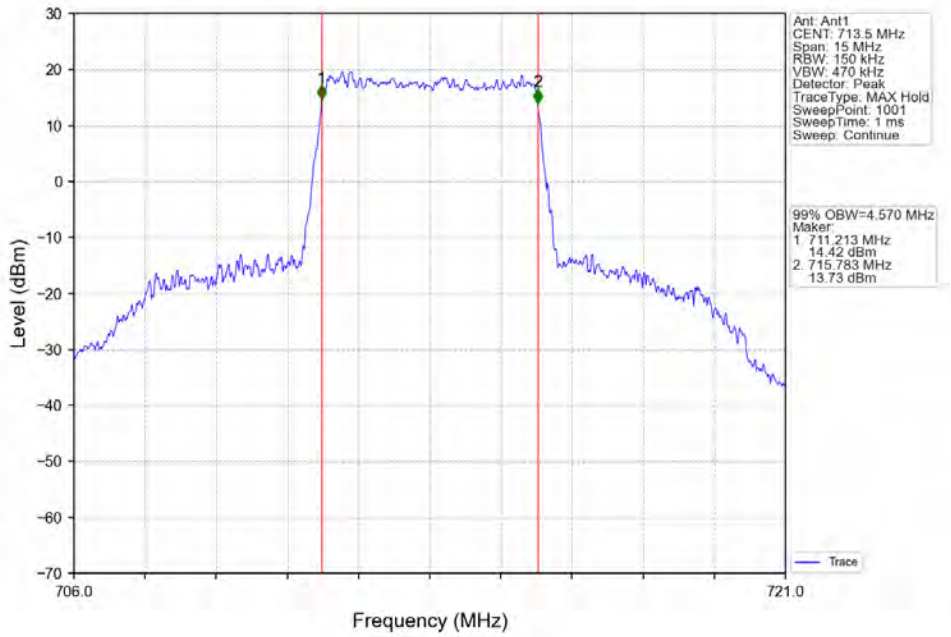
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



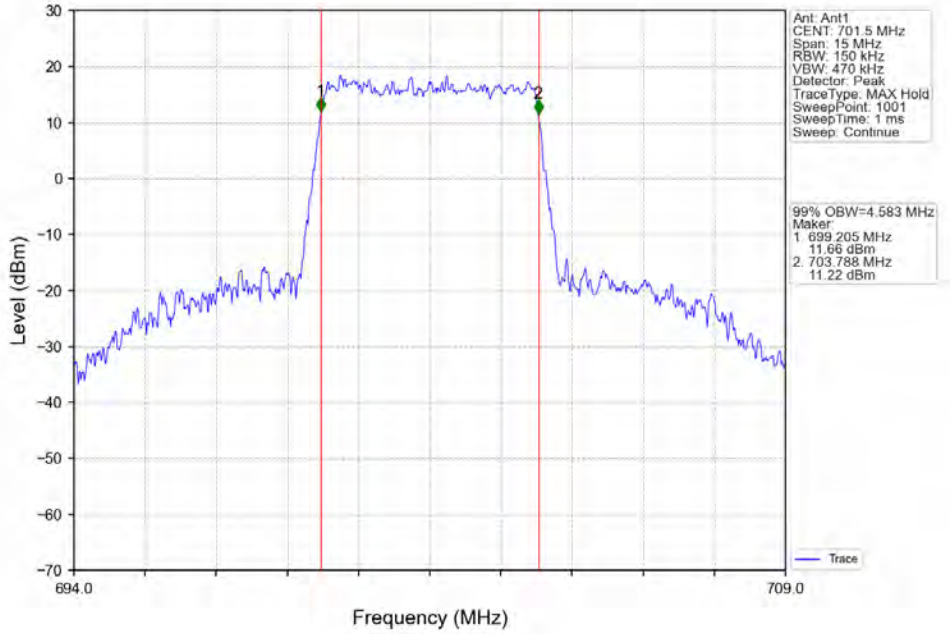
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



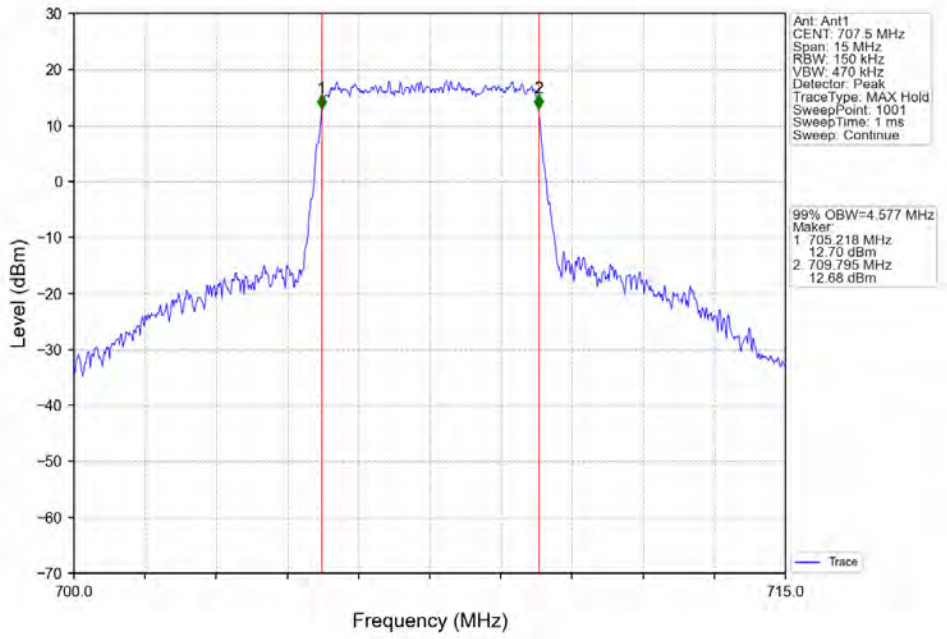
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



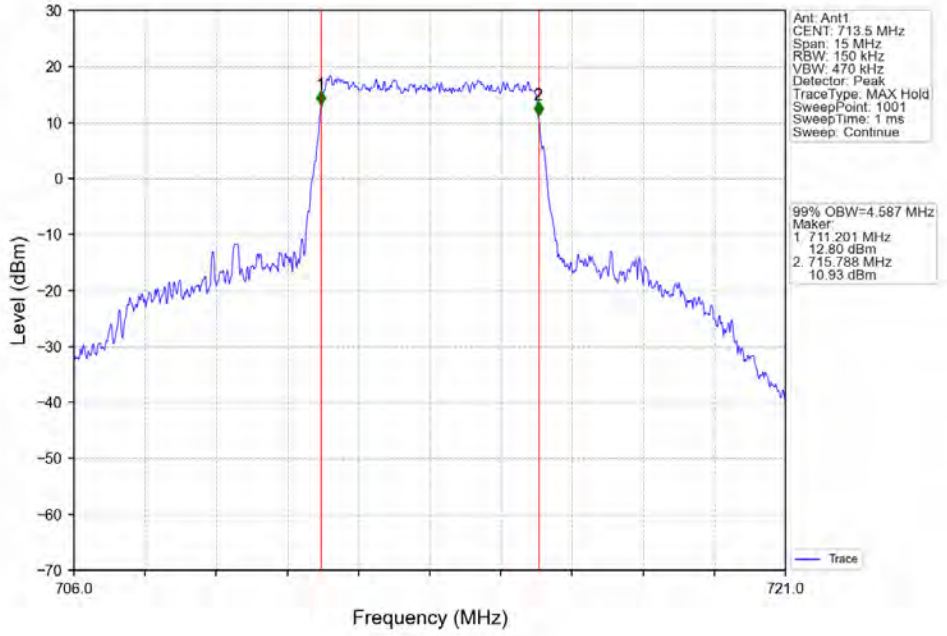
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



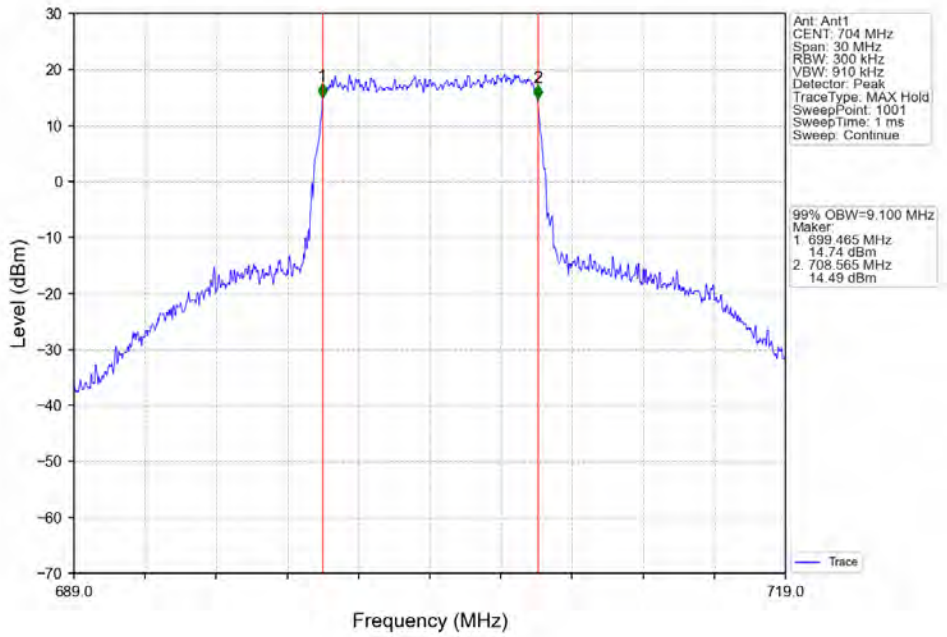
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



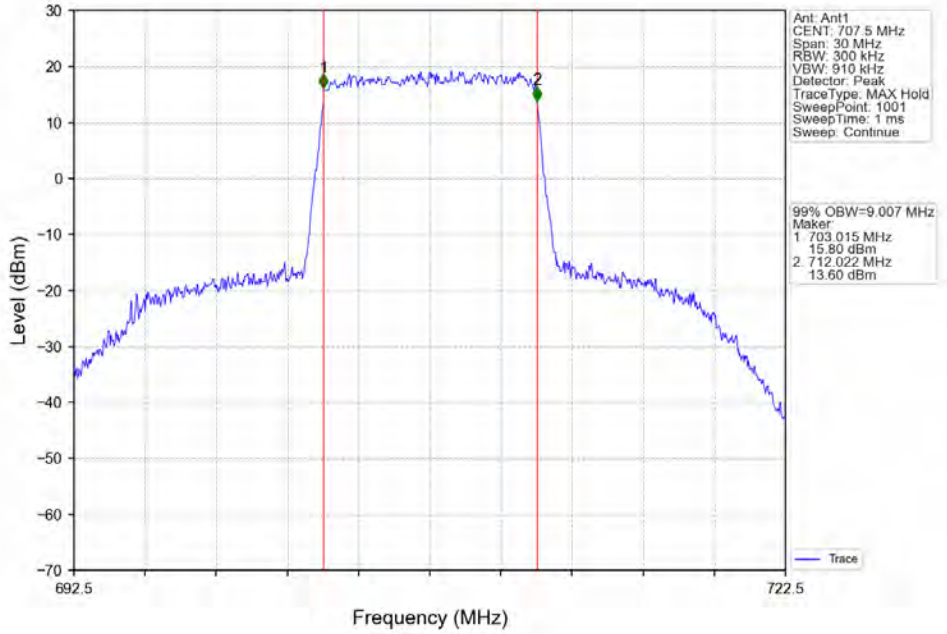
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



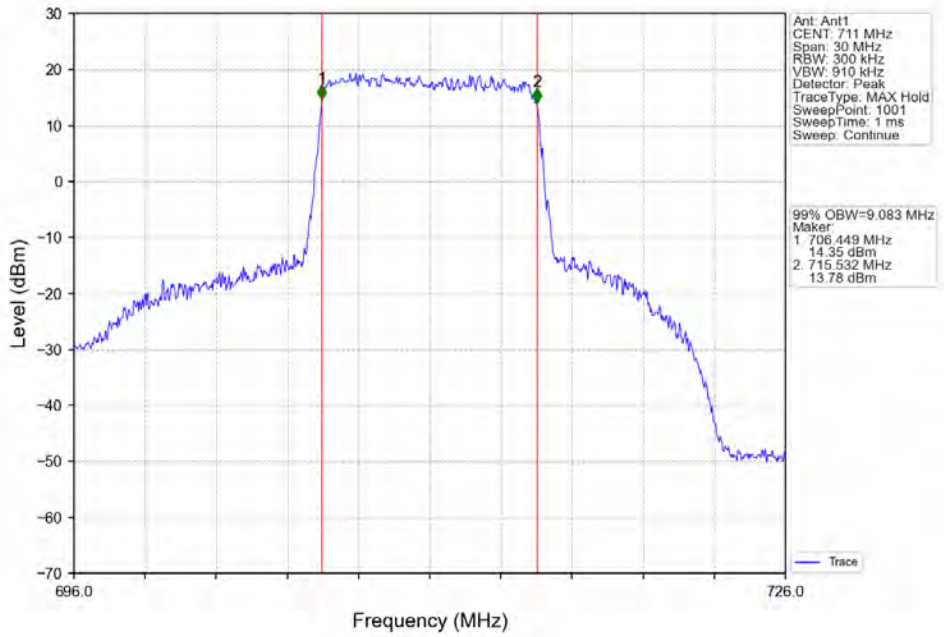
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



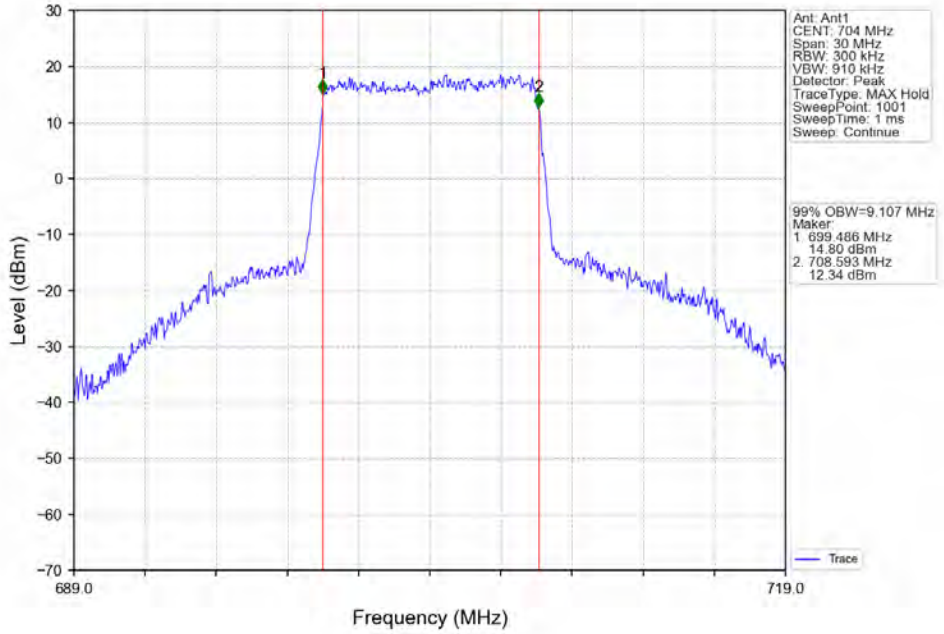
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



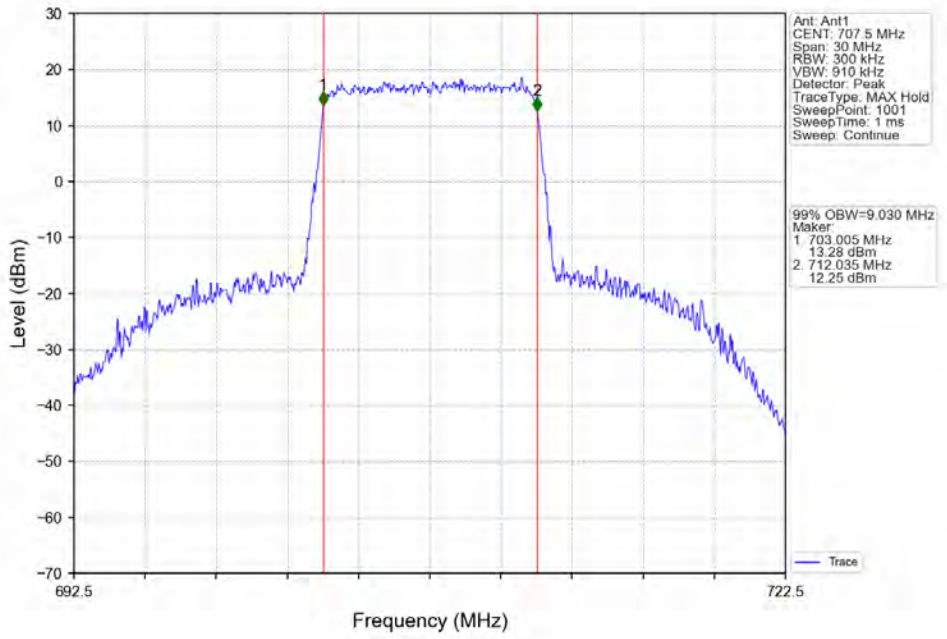
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



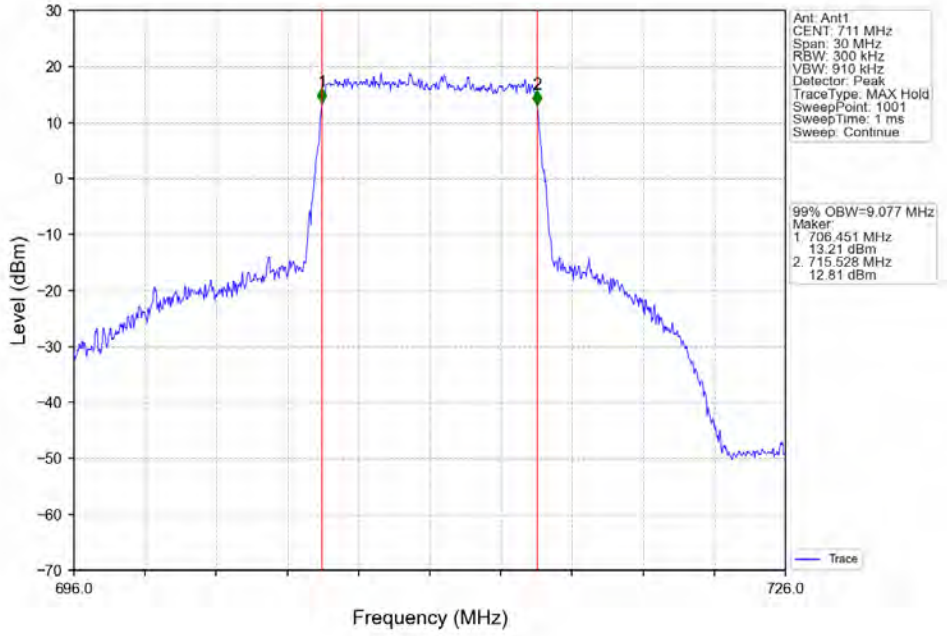
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



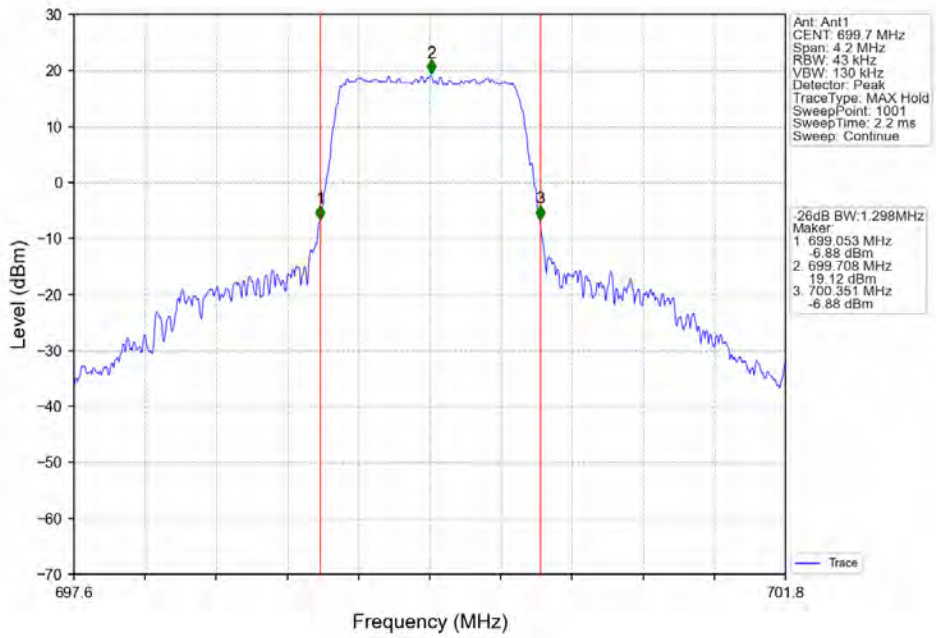
4.2 Band12_XDB

4.2.1 Test Result

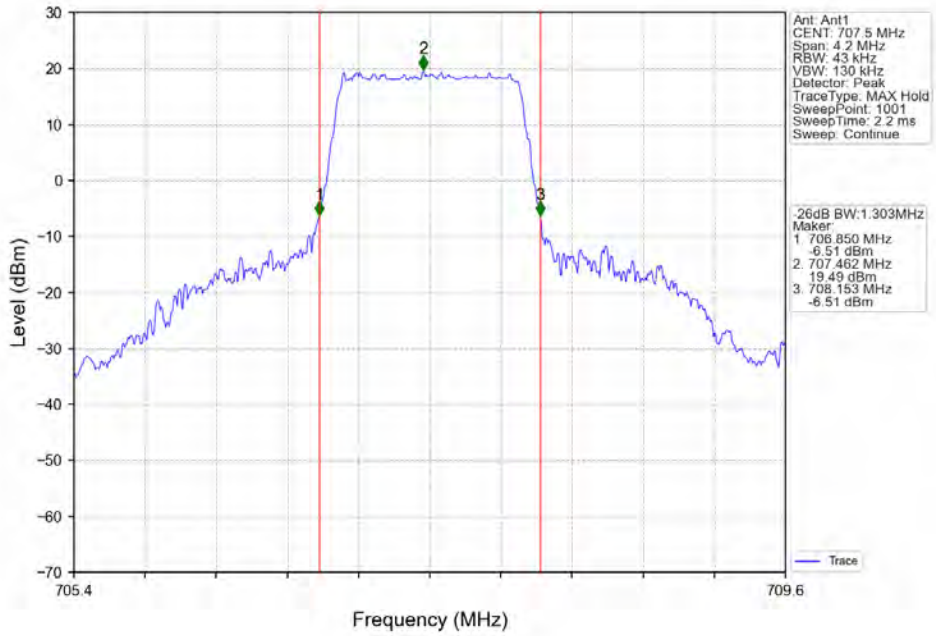
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.298	/	Pass
		707.5	6	0	1.303	/	Pass
		715.3	6	0	1.301	/	Pass
	16QAM	699.7	6	0	1.279	/	Pass
		707.5	6	0	1.286	/	Pass
		715.3	6	0	1.301	/	Pass
3	QPSK	700.5	15	0	3.025	/	Pass
		707.5	15	0	3.034	/	Pass
		714.5	15	0	3.032	/	Pass
	16QAM	700.5	15	0	3.022	/	Pass
		707.5	15	0	3.040	/	Pass
		714.5	15	0	3.062	/	Pass
5	QPSK	701.5	25	0	5.134	/	Pass
		707.5	25	0	5.110	/	Pass
		713.5	25	0	5.156	/	Pass
	16QAM	701.5	25	0	5.167	/	Pass
		707.5	25	0	5.144	/	Pass
		713.5	25	0	5.186	/	Pass
10	QPSK	704	50	0	10.234	/	Pass
		707.5	50	0	10.094	/	Pass
		711	50	0	10.136	/	Pass
	16QAM	704	50	0	10.107	/	Pass
		707.5	50	0	10.022	/	Pass
		711	50	0	10.102	/	Pass

4.2.2 Test Graph

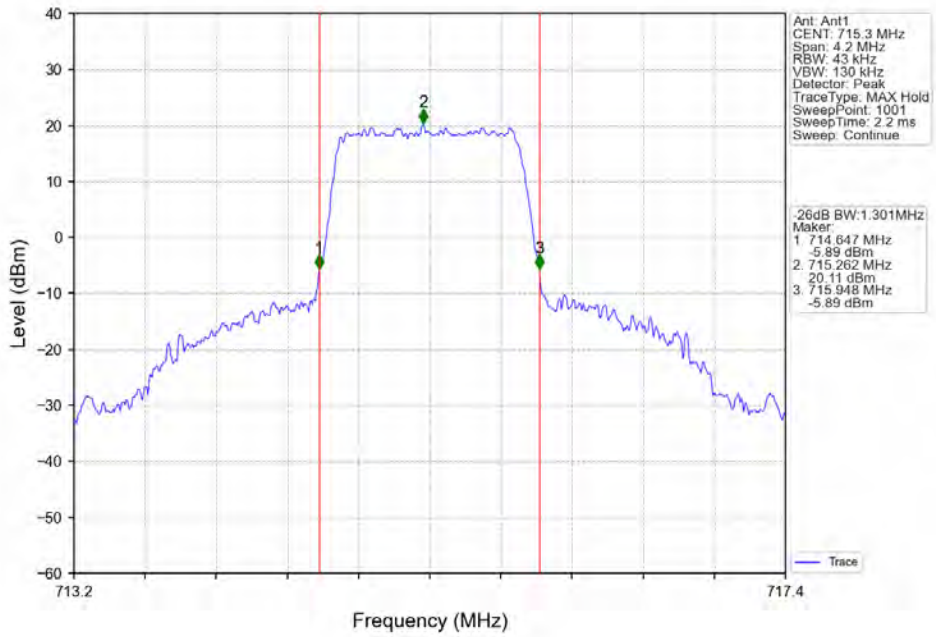
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



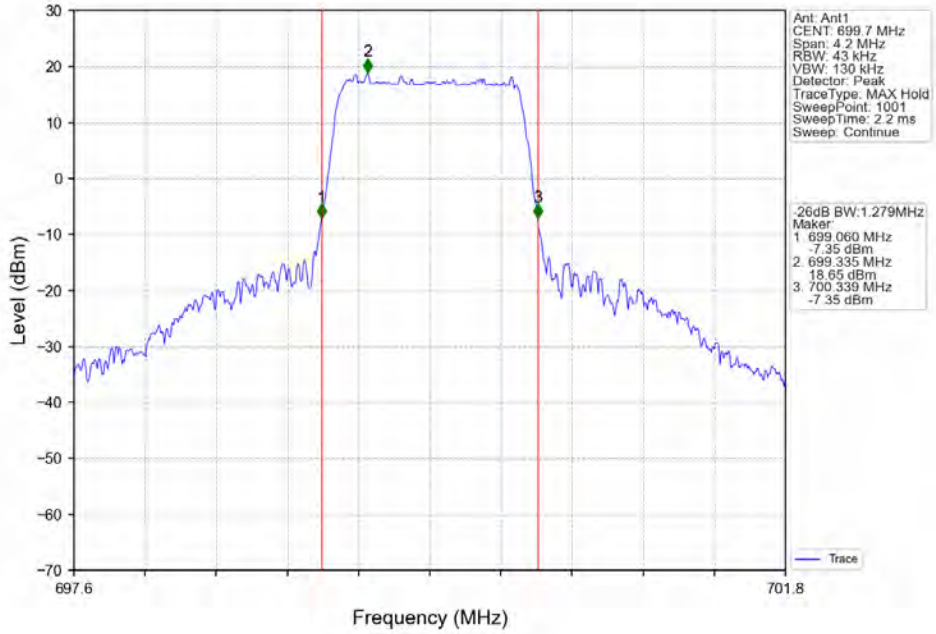
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



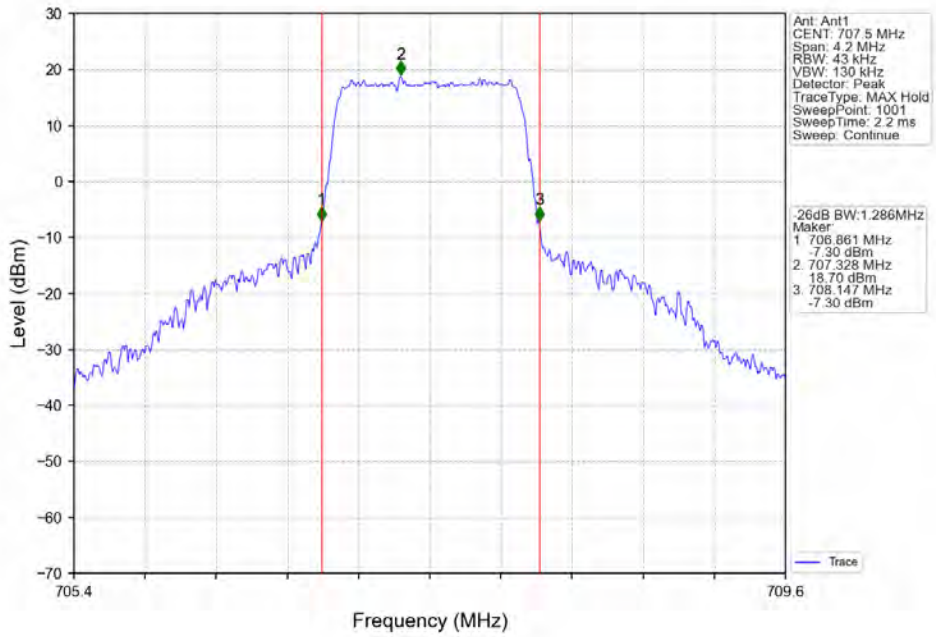
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



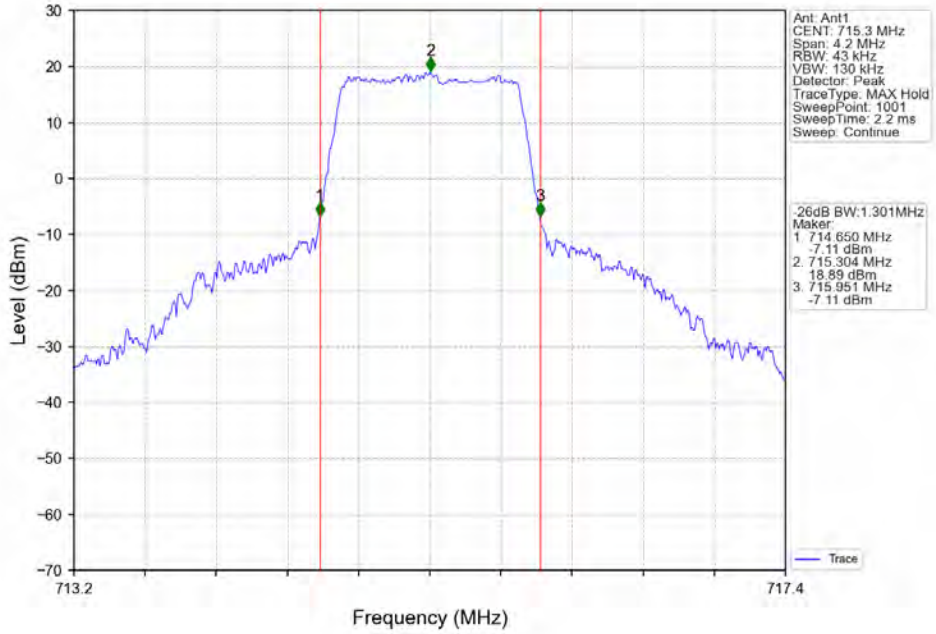
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



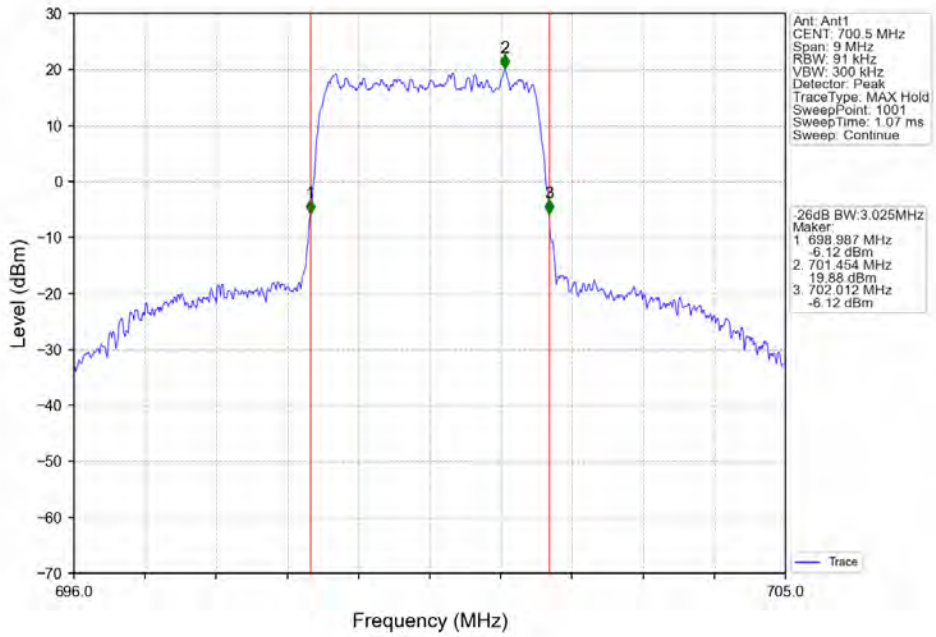
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



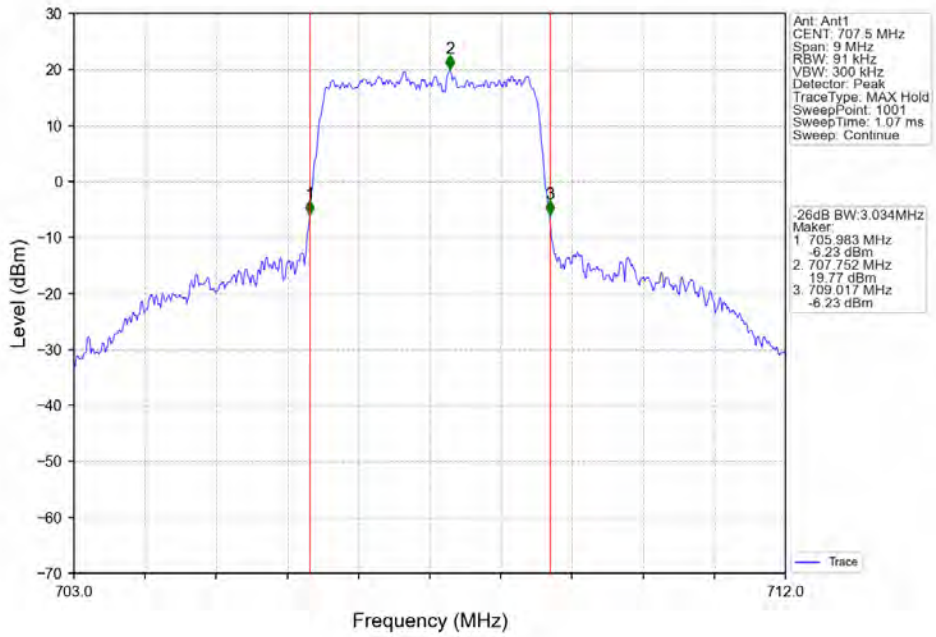
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



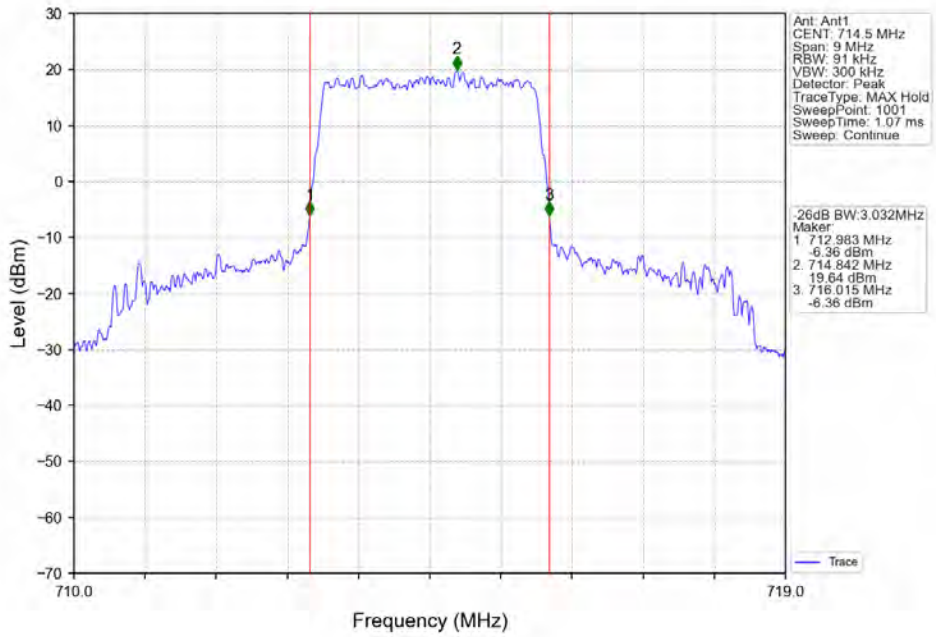
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



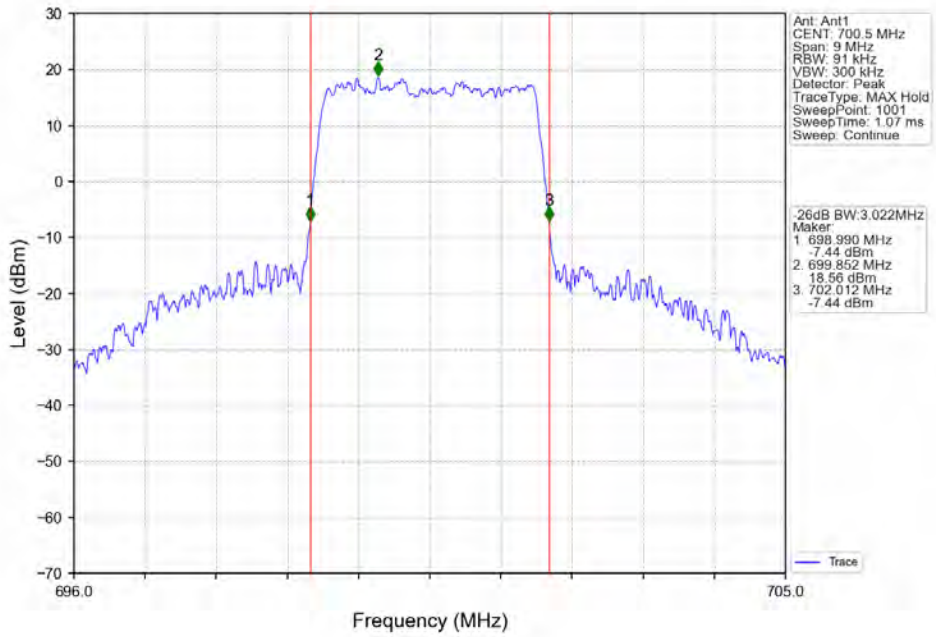
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



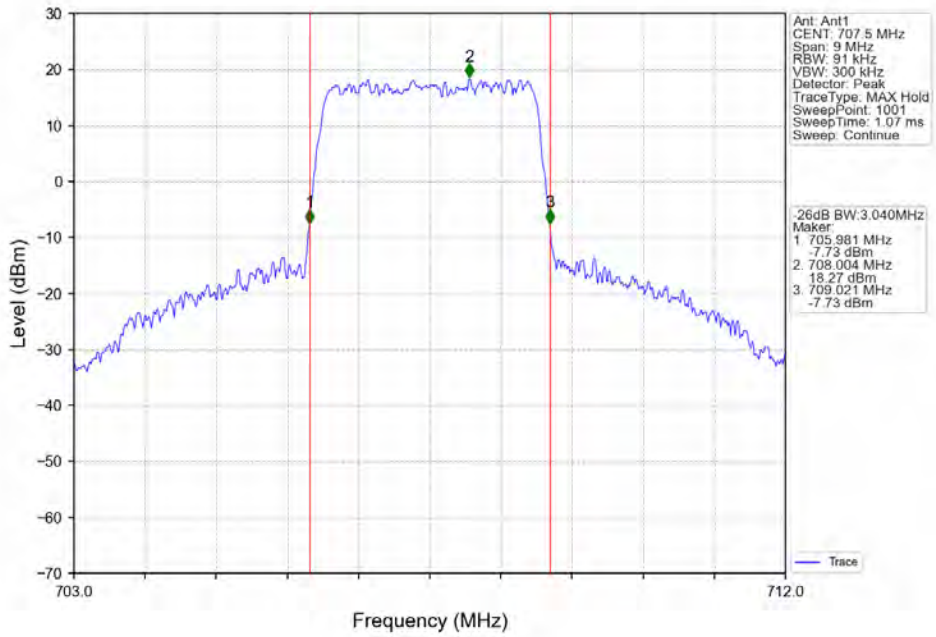
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



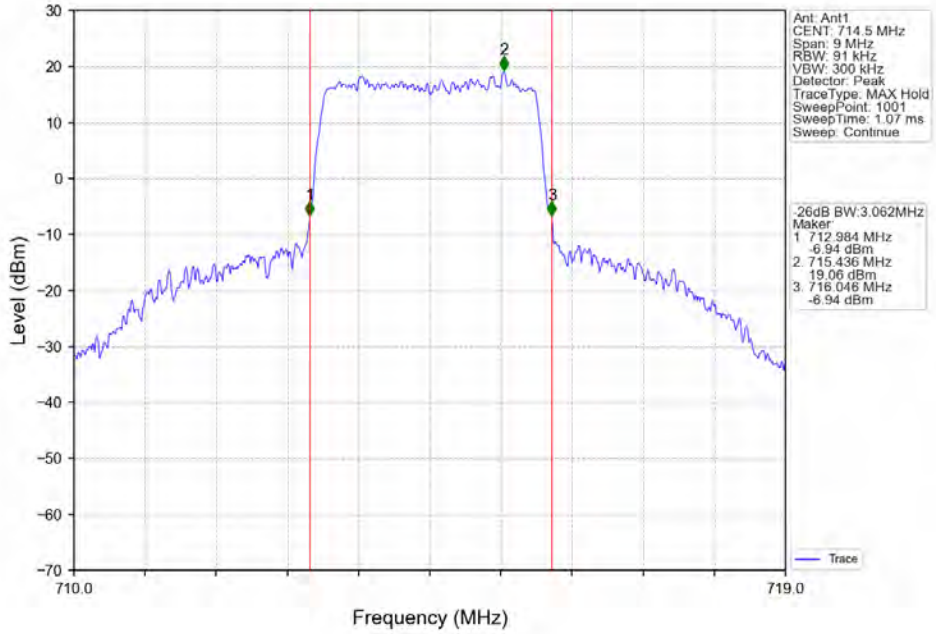
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



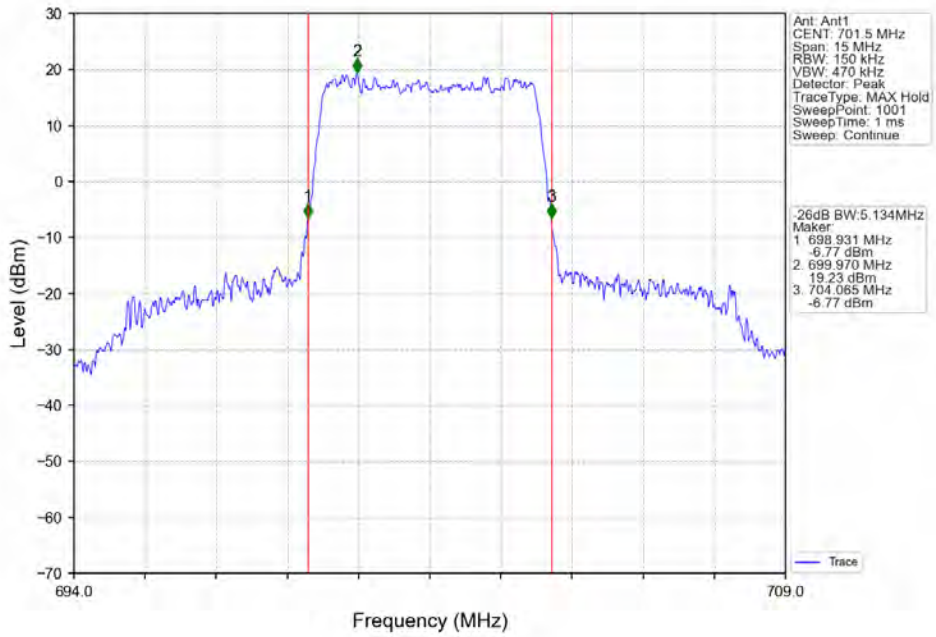
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



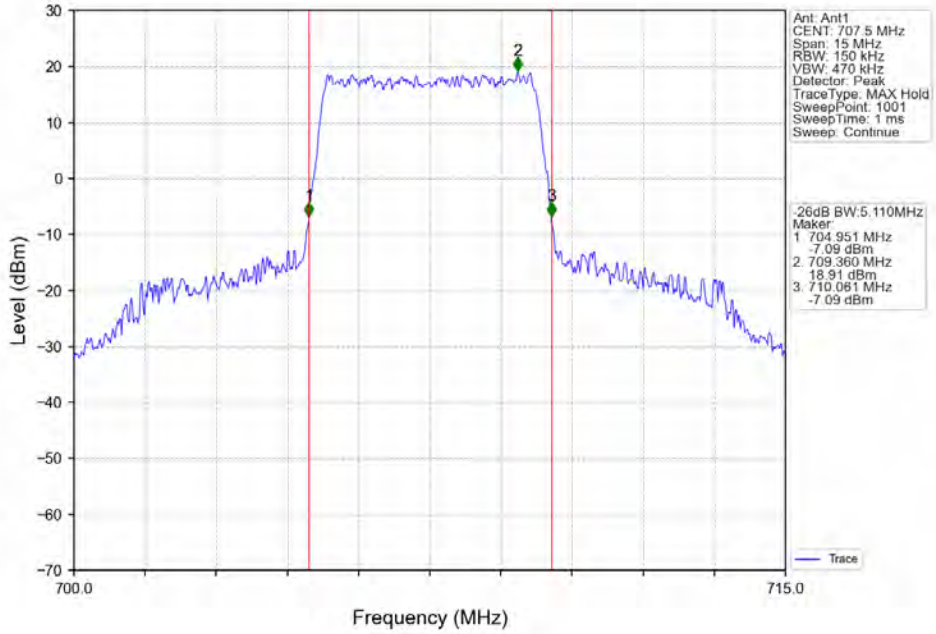
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



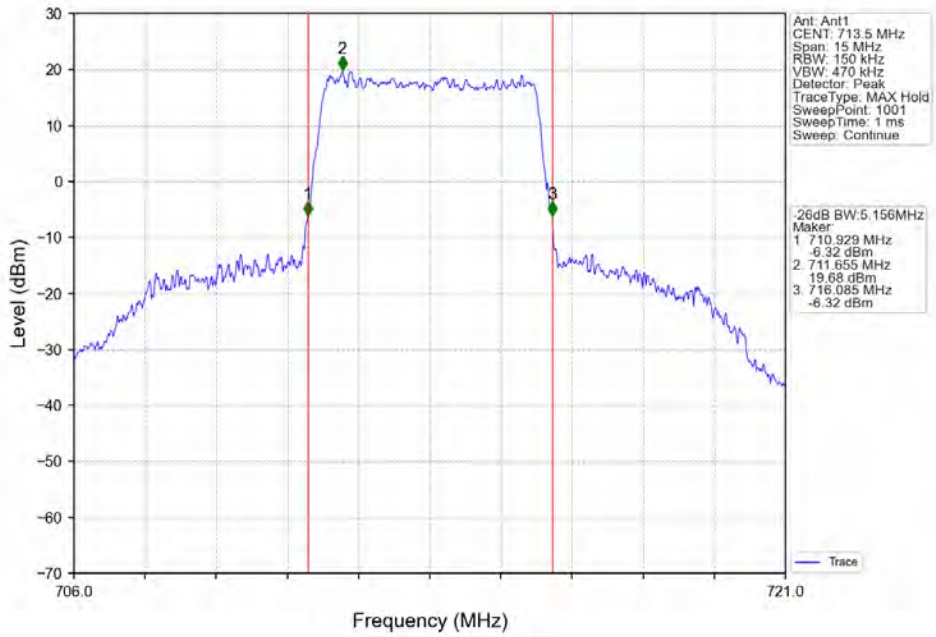
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



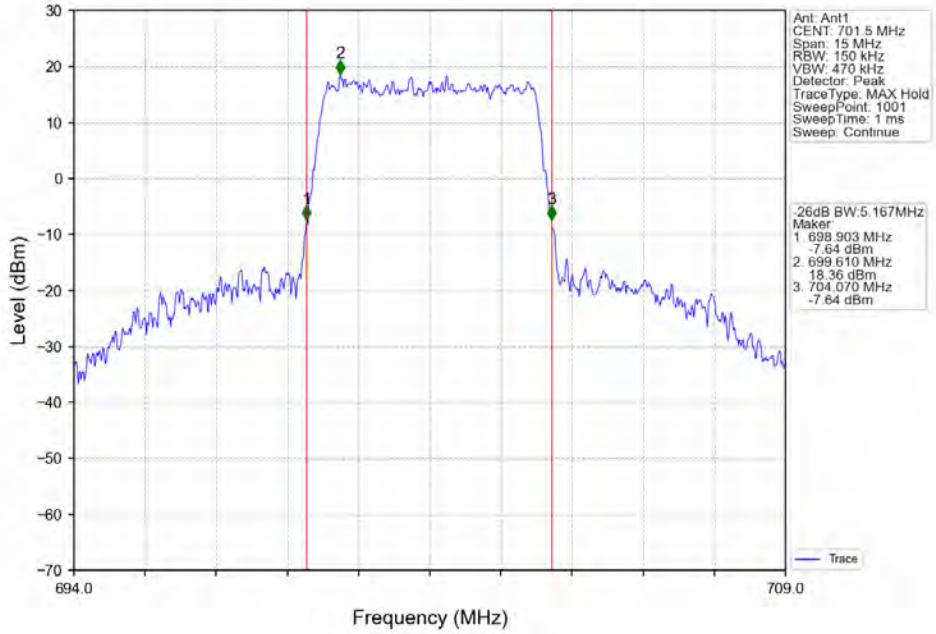
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



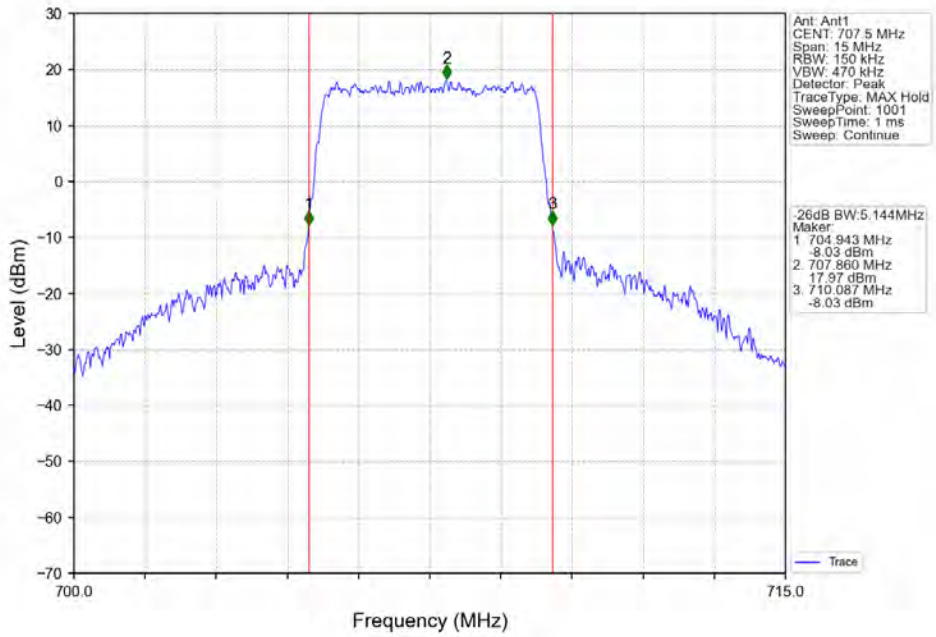
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



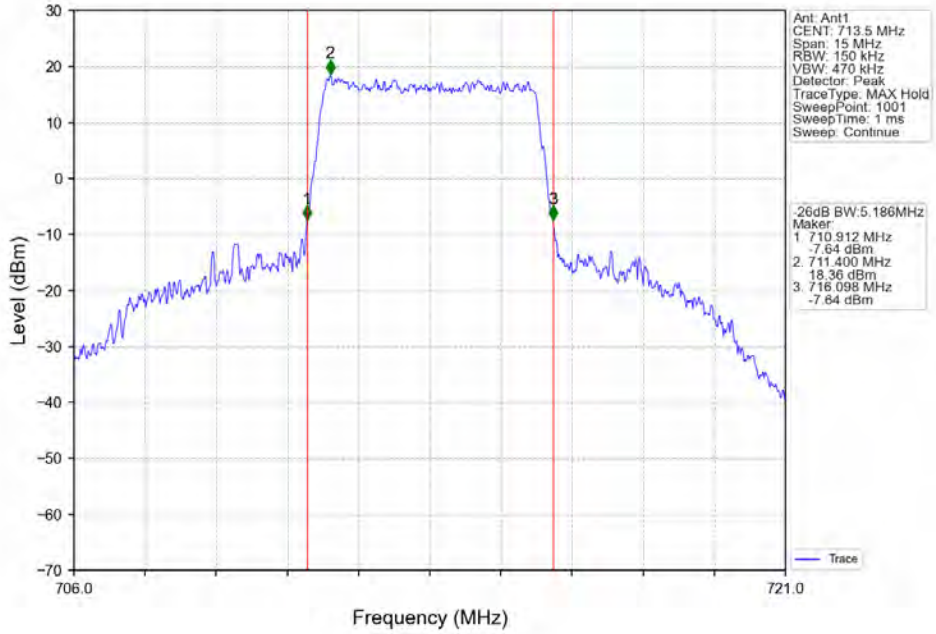
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



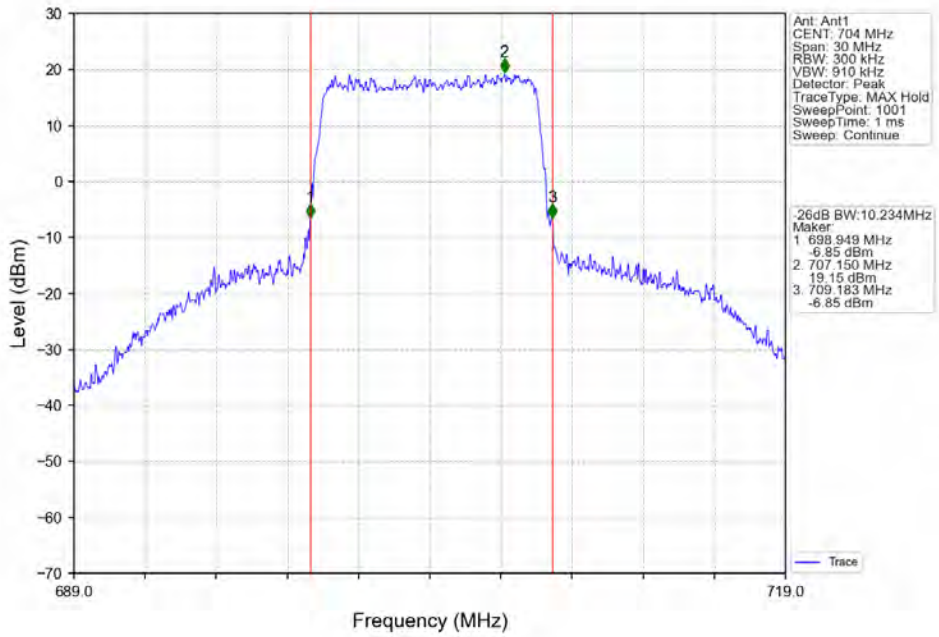
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



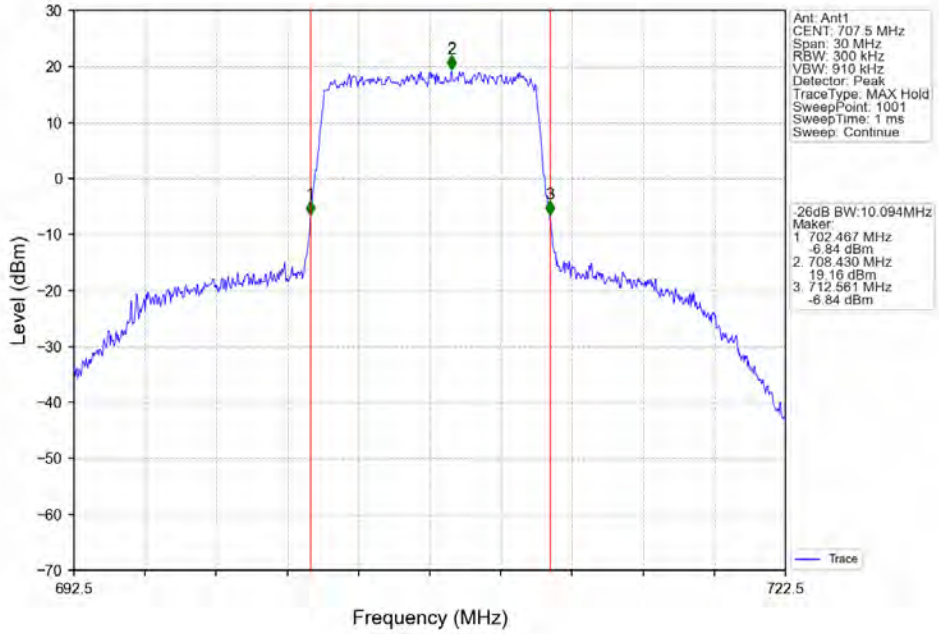
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



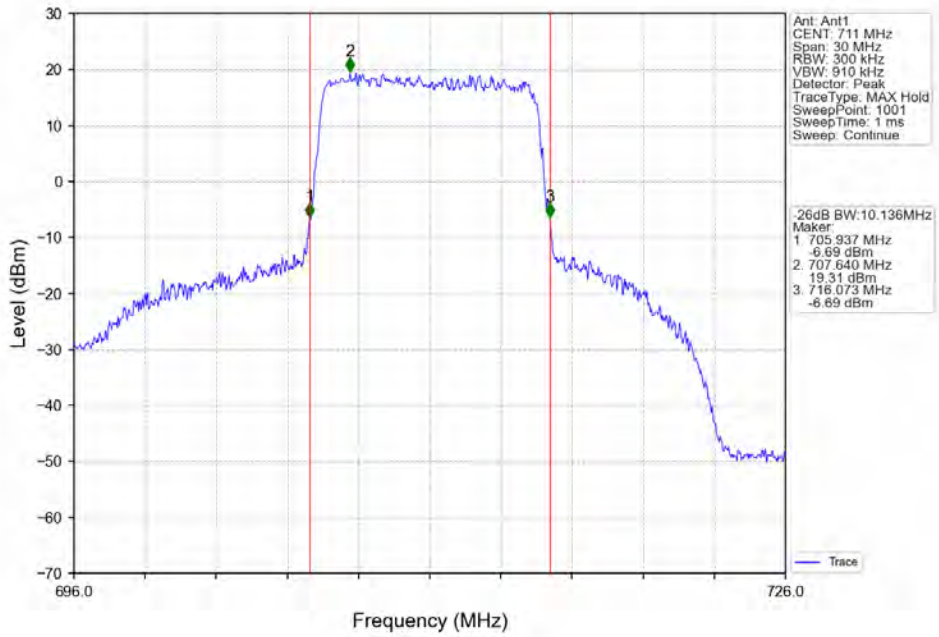
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



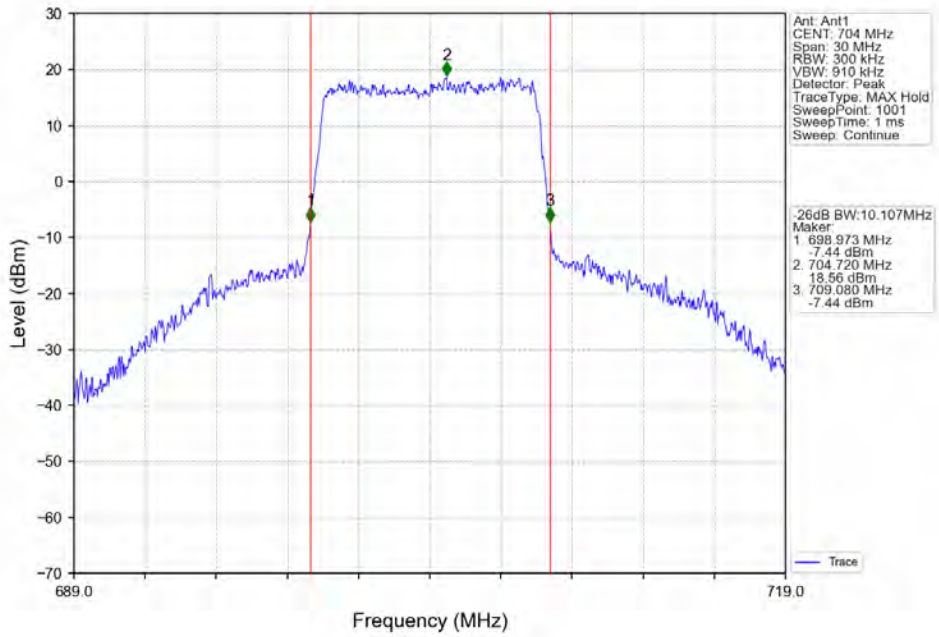
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



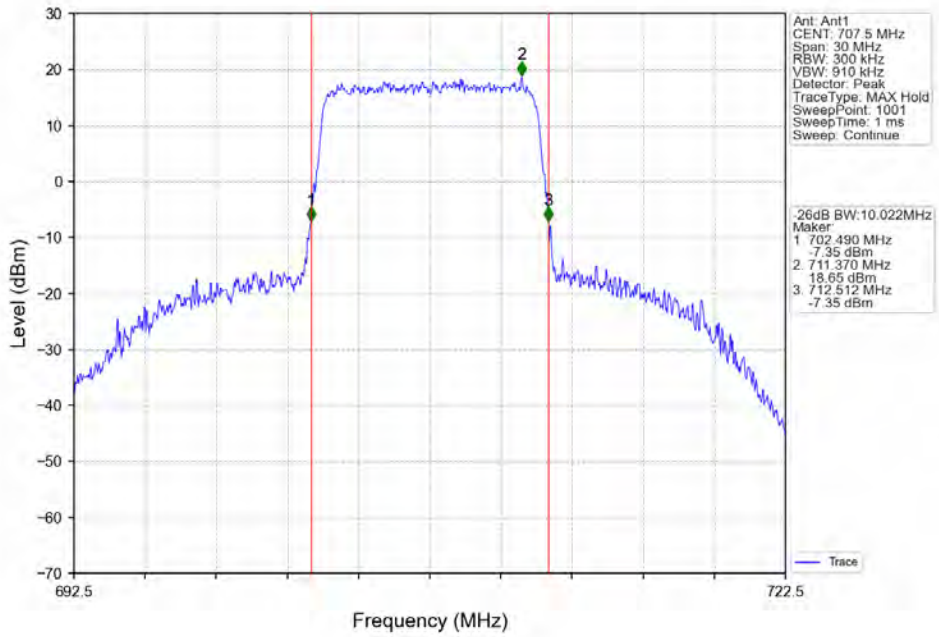
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



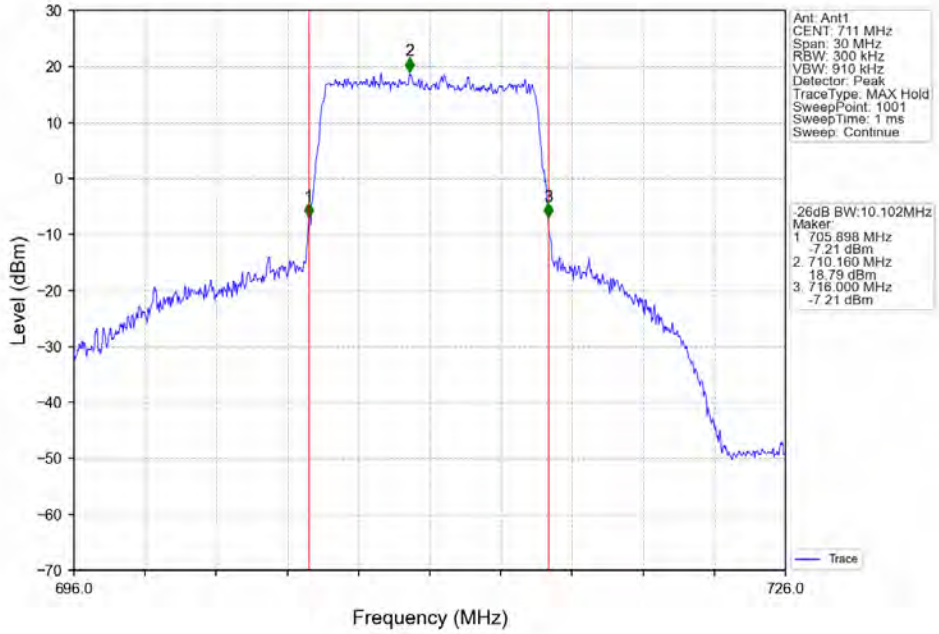
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

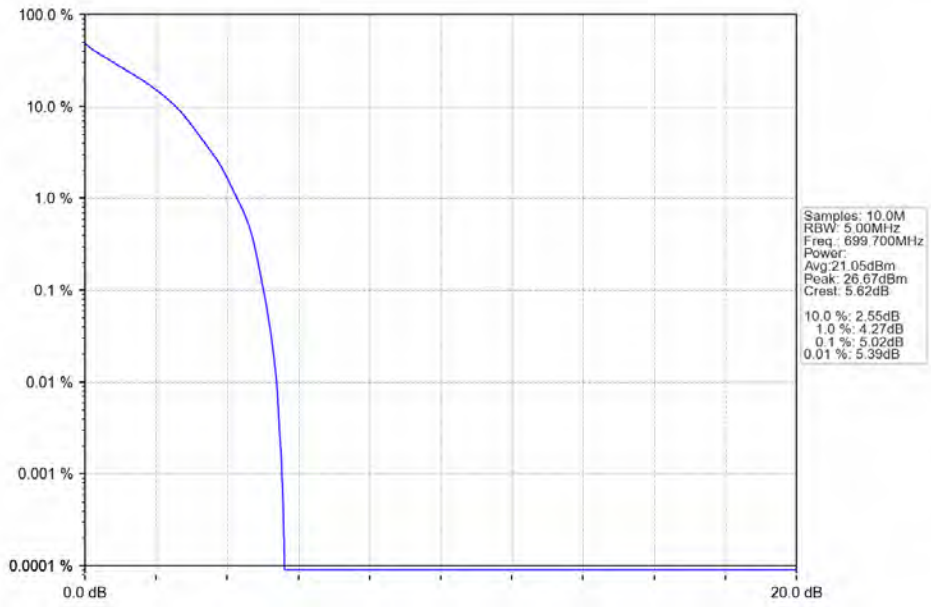
5.1 B12_1.4MHz

5.1.1 Test Result

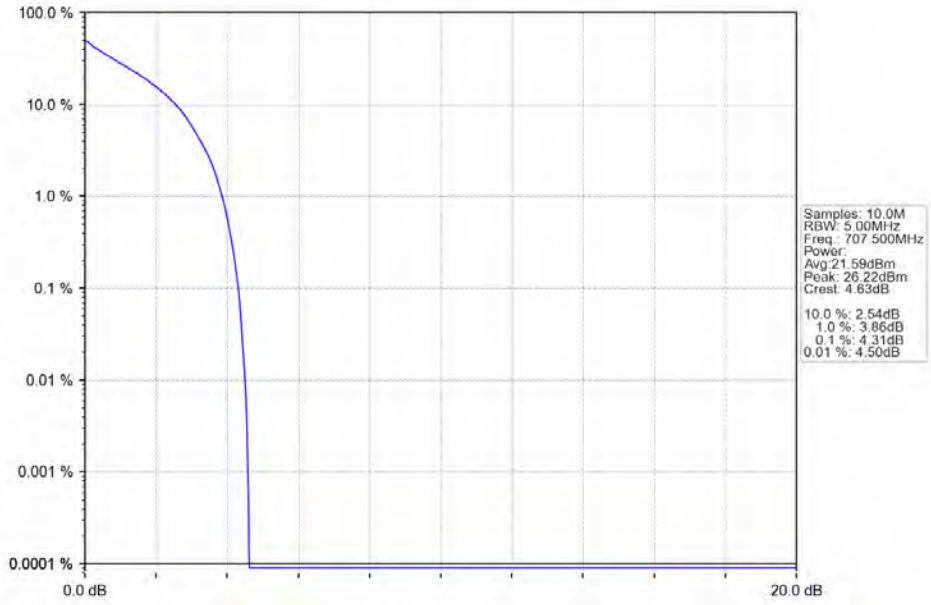
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.02	<=13	Pass
	707.5	6	0	4.31	<=13	Pass
	715.3	6	0	3.78	<=13	Pass
16QAM	699.7	6	0	5.82	<=13	Pass
	707.5	6	0	5.16	<=13	Pass
	715.3	6	0	4.69	<=13	Pass

5.1.2 Test Graph

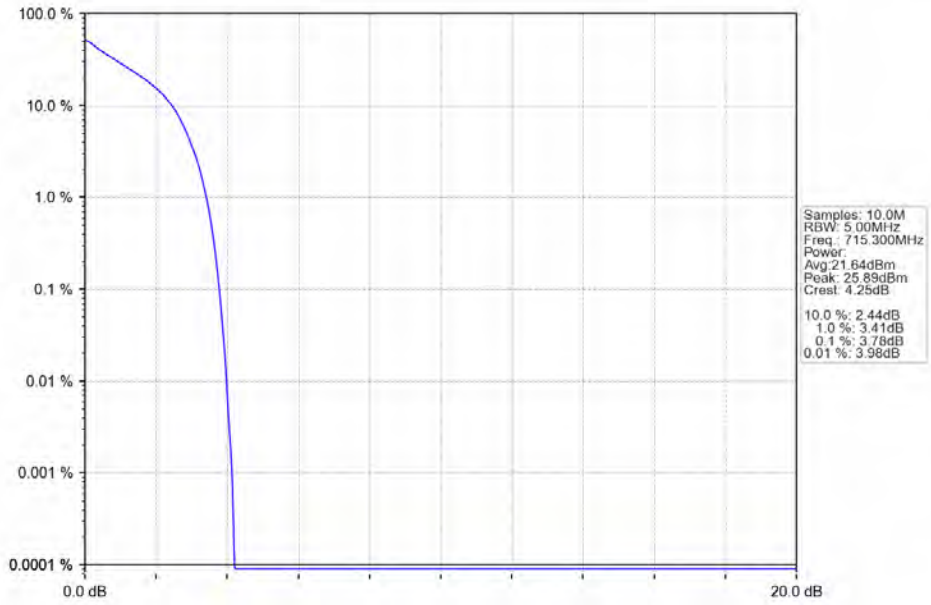
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



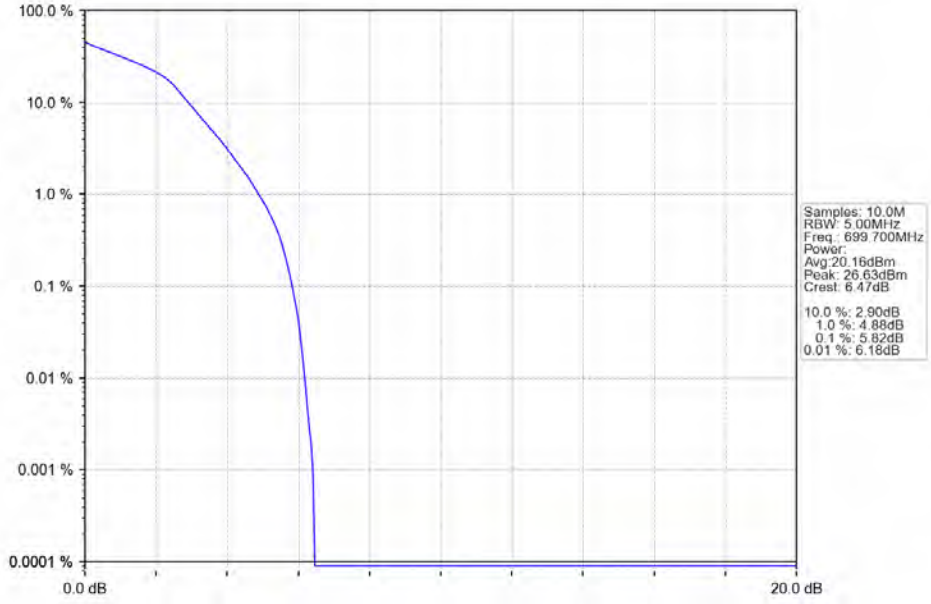
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



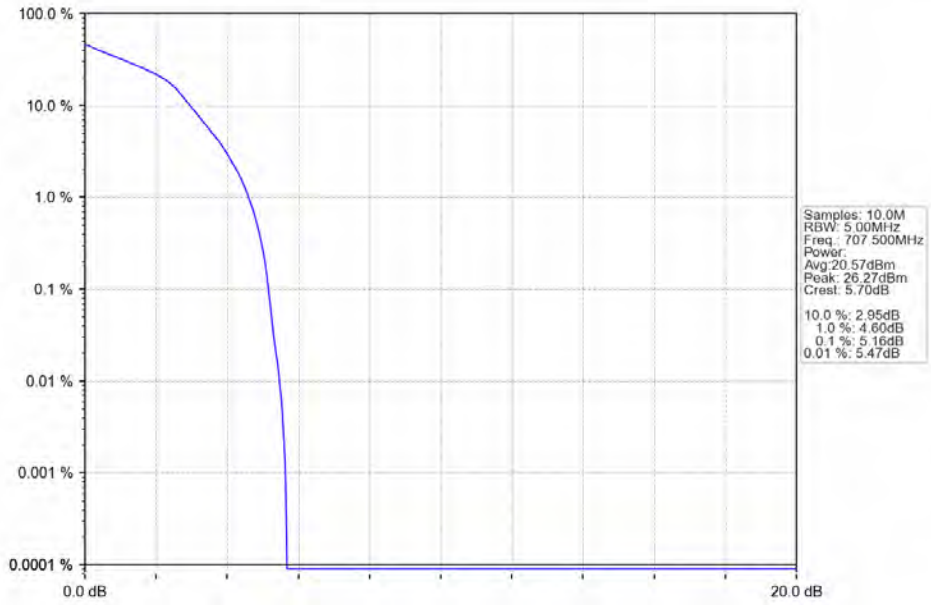
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



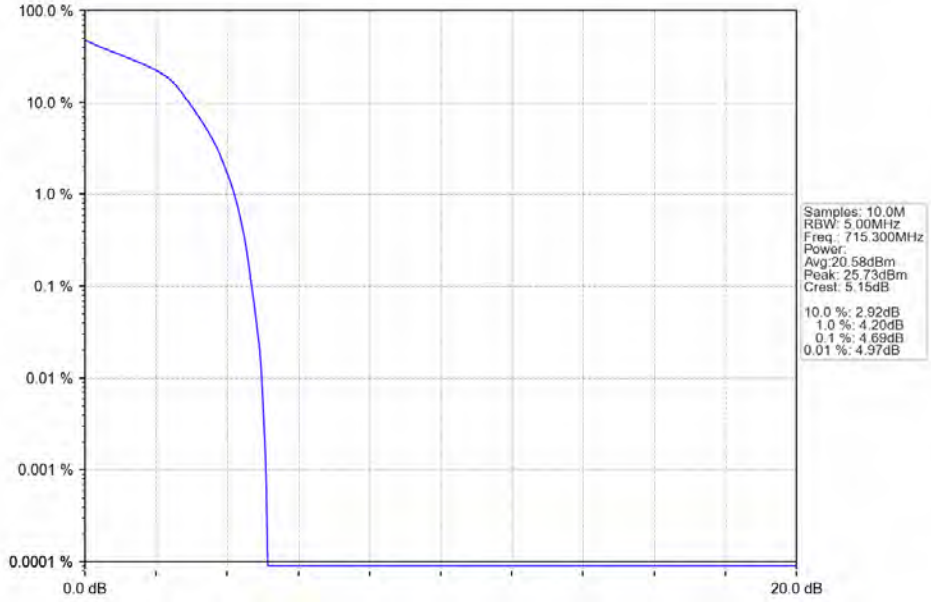
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



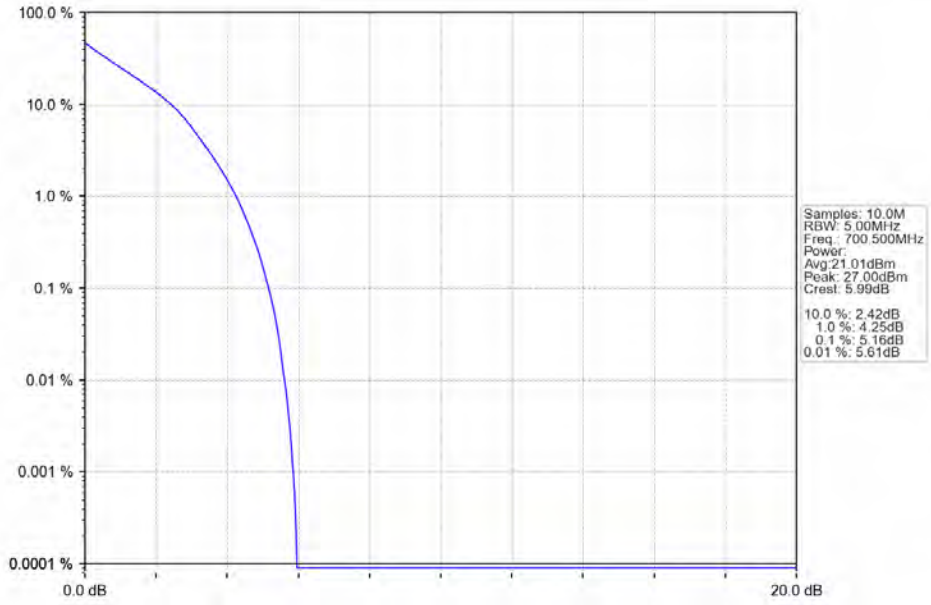
5.2 B12_3MHz

5.2.1 Test Result

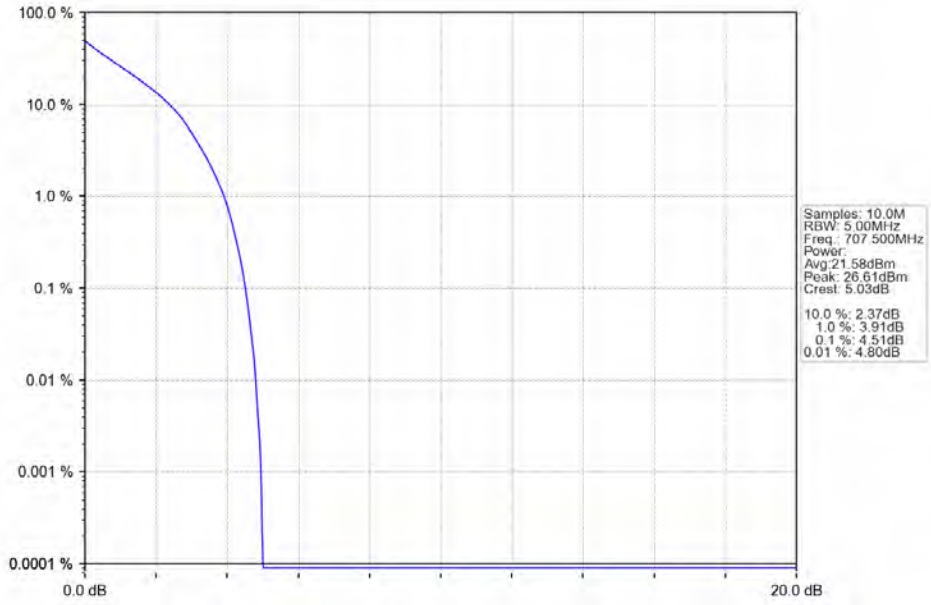
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.16	<=13	Pass
	707.5	15	0	4.51	<=13	Pass
	714.5	15	0	4.23	<=13	Pass
16QAM	700.5	15	0	5.97	<=13	Pass
	707.5	15	0	5.38	<=13	Pass
	714.5	15	0	5.08	<=13	Pass

5.2.2 Test Graph

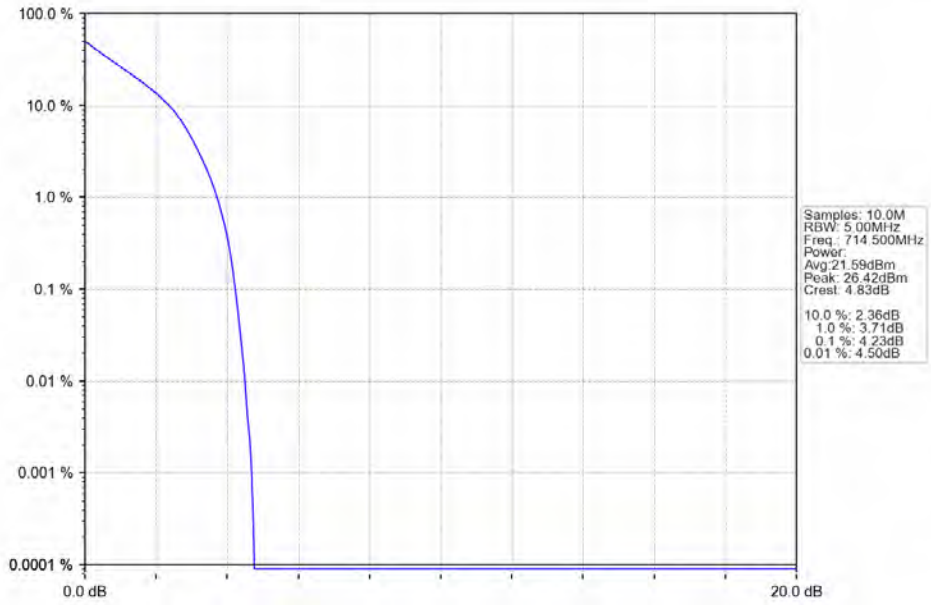
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



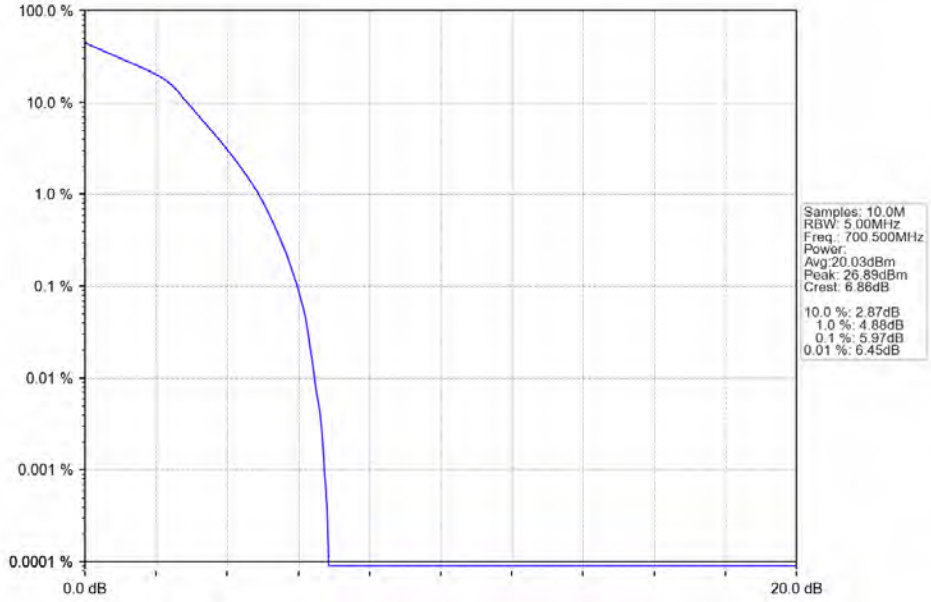
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



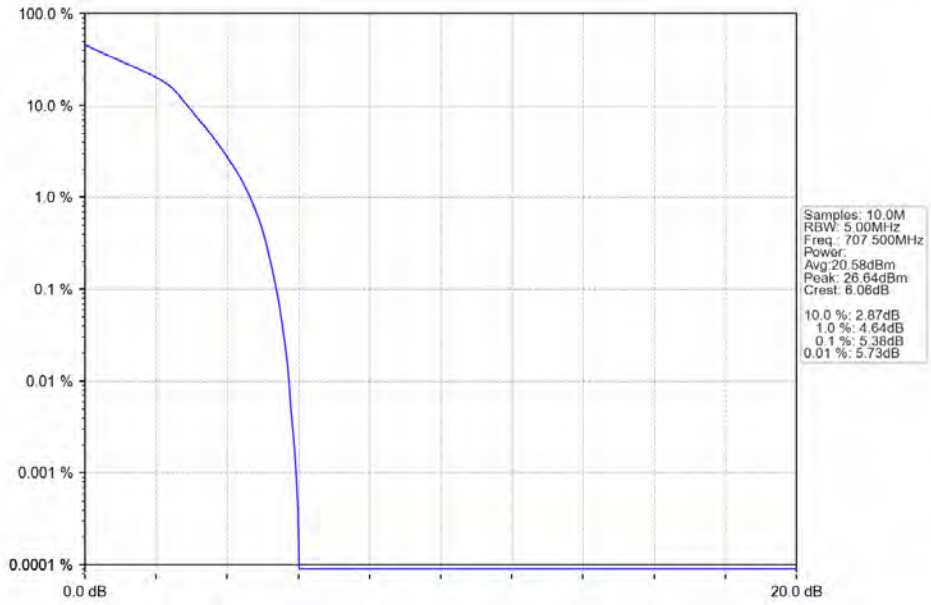
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



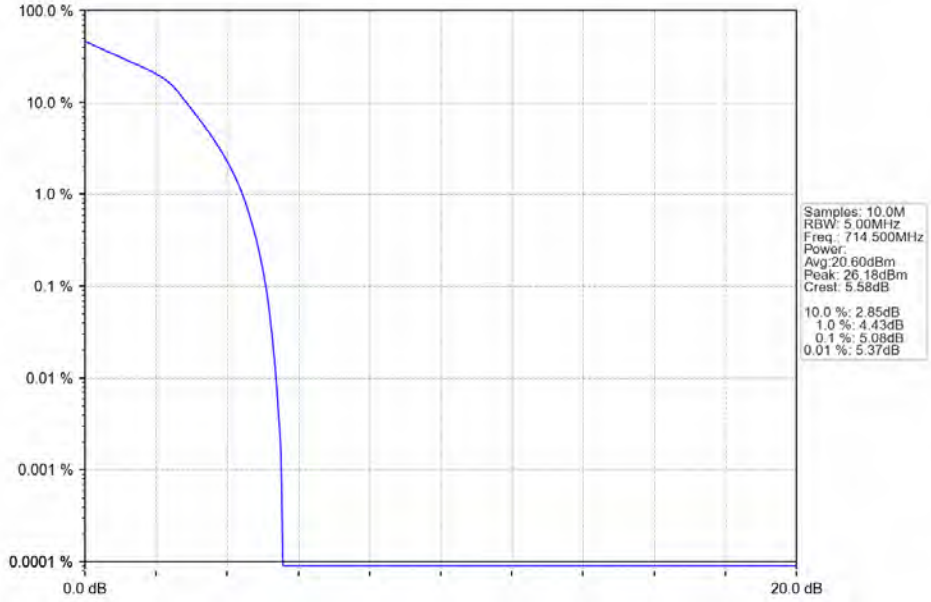
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



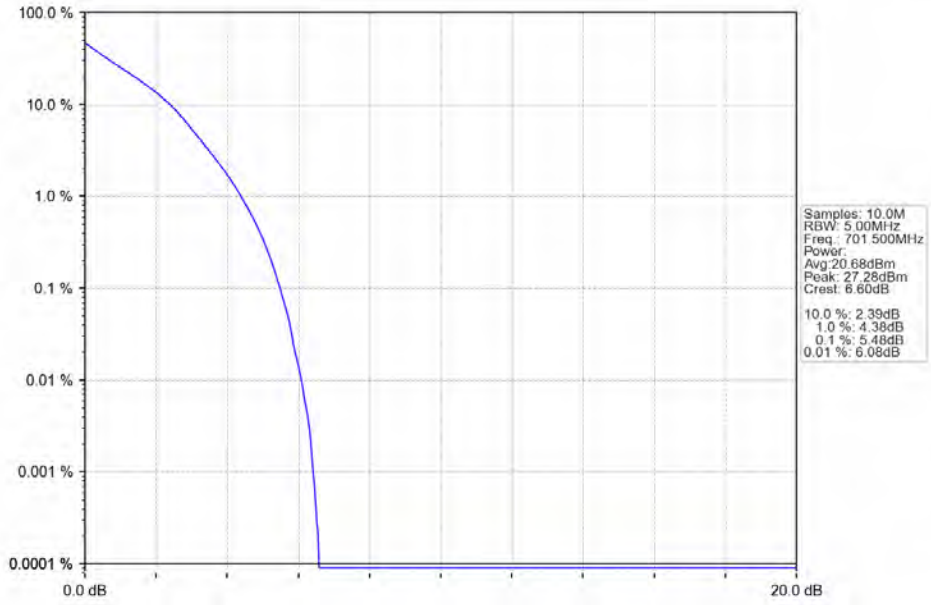
5.3 B12_5MHz

5.3.1 Test Result

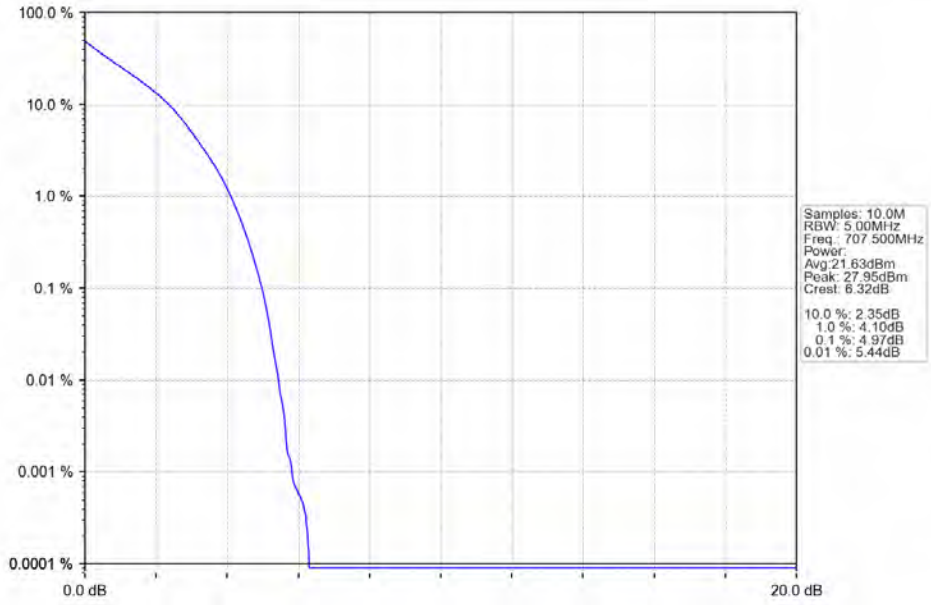
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.48	<=13	Pass
	707.5	25	0	4.97	<=13	Pass
	713.5	25	0	4.97	<=13	Pass
16QAM	701.5	25	0	6.09	<=13	Pass
	707.5	25	0	5.68	<=13	Pass
	713.5	25	0	5.69	<=13	Pass

5.3.2 Test Graph

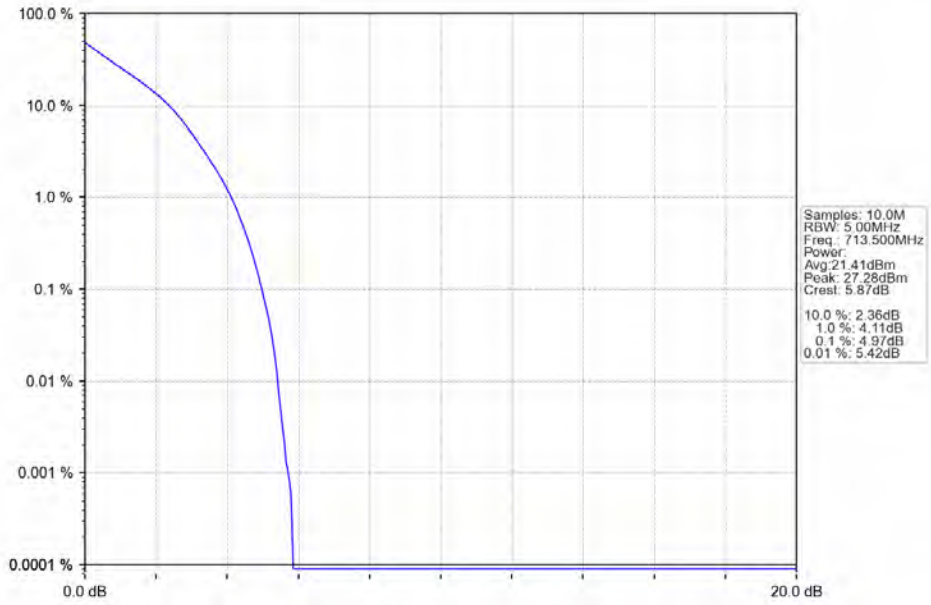
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



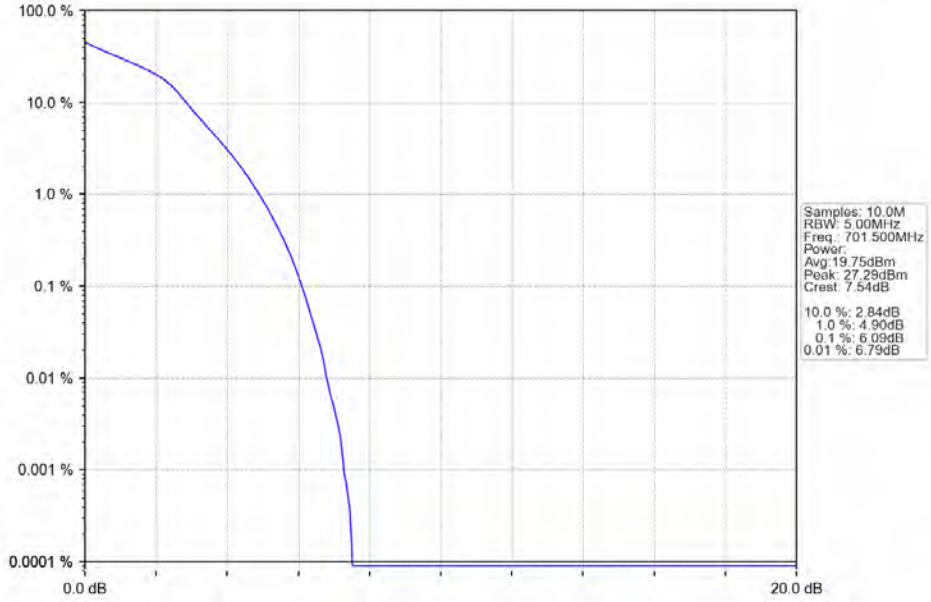
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



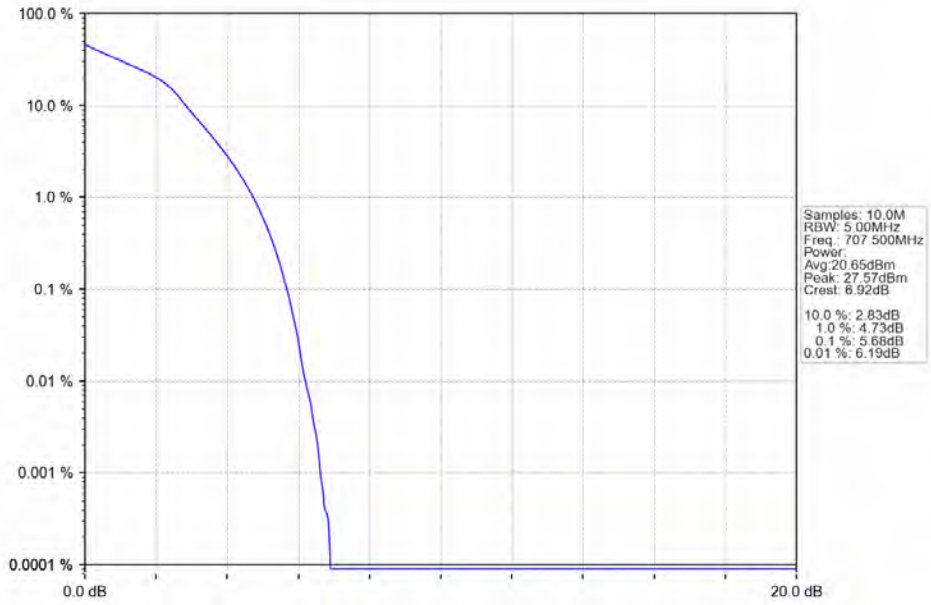
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



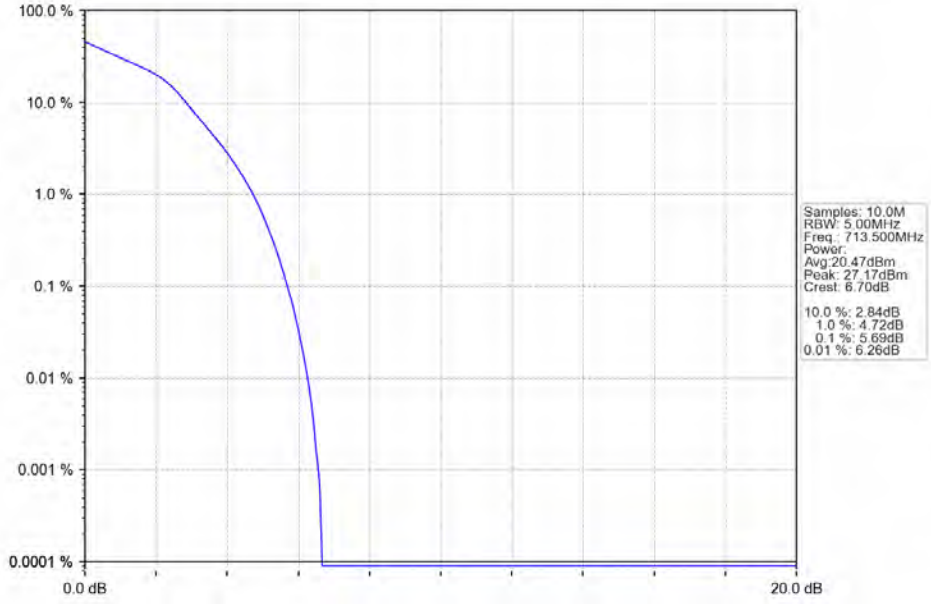
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



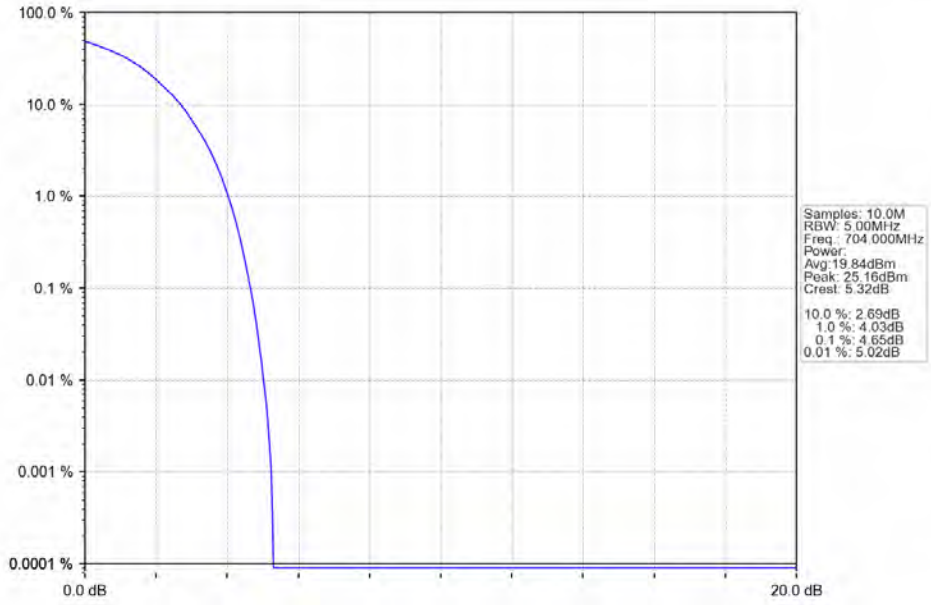
5.4 B12_10MHz

5.4.1 Test Result

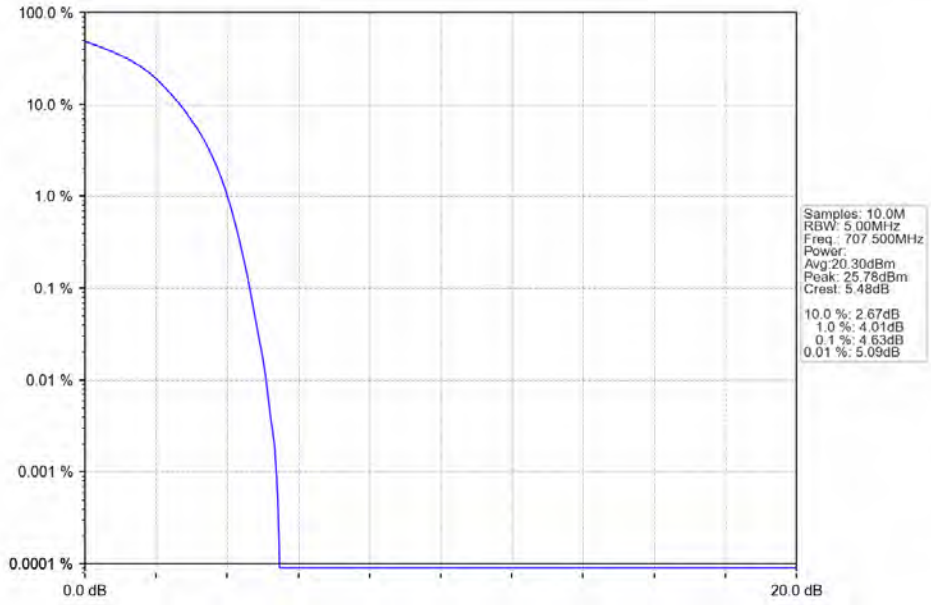
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.65	<=13	Pass
	707.5	50	0	4.63	<=13	Pass
	711	50	0	4.60	<=13	Pass
16QAM	704	50	0	5.96	<=13	Pass
	707.5	50	0	5.88	<=13	Pass
	711	50	0	5.96	<=13	Pass

5.4.2 Test Graph

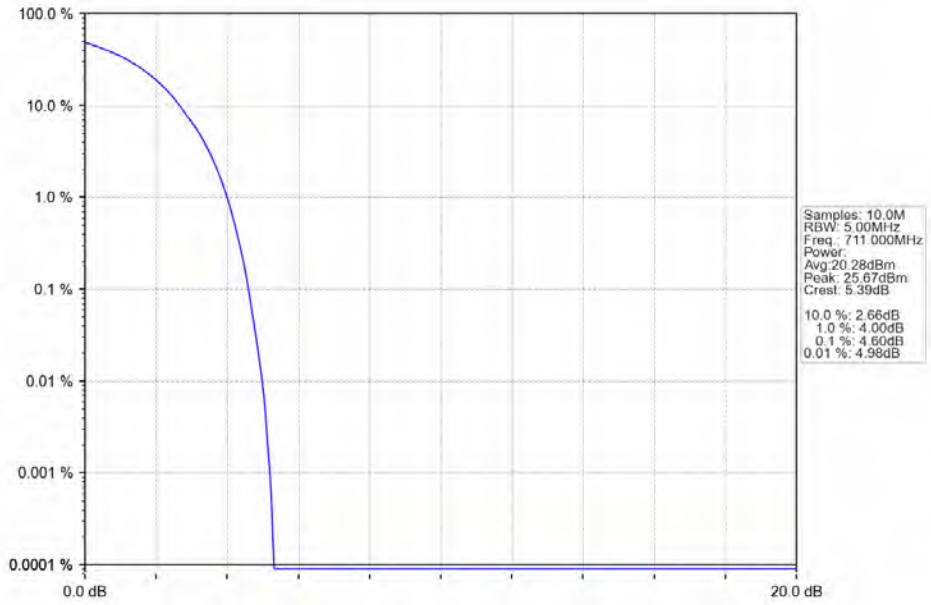
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



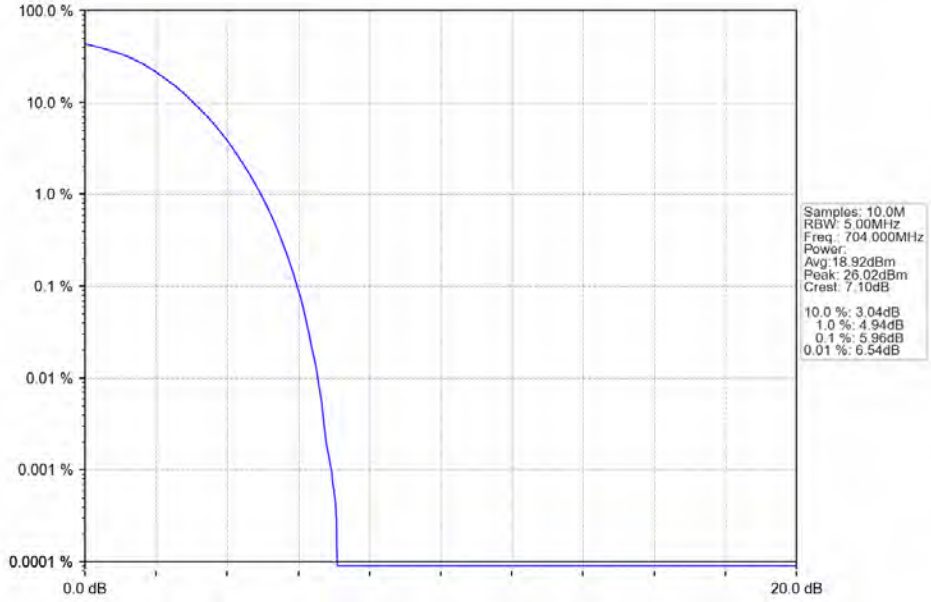
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



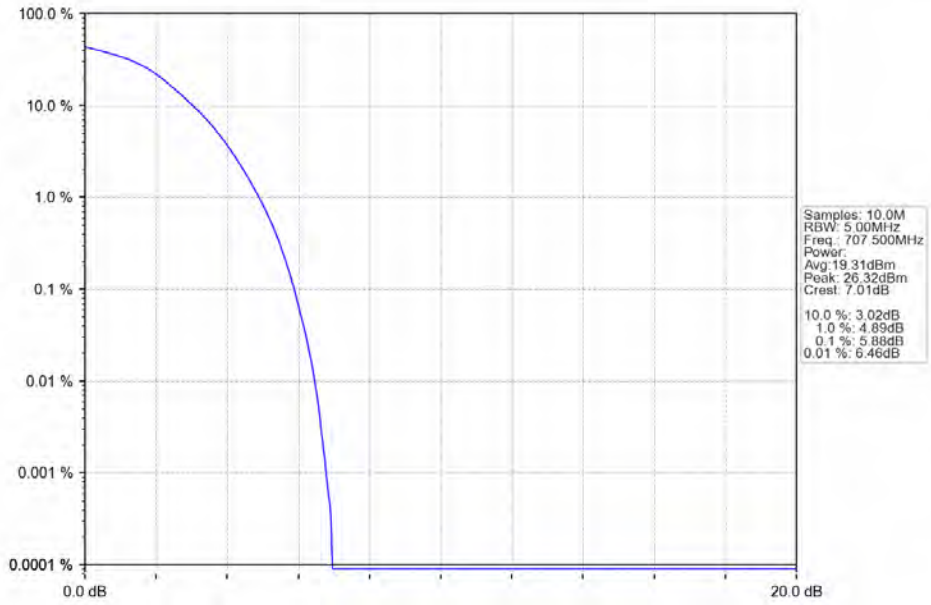
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



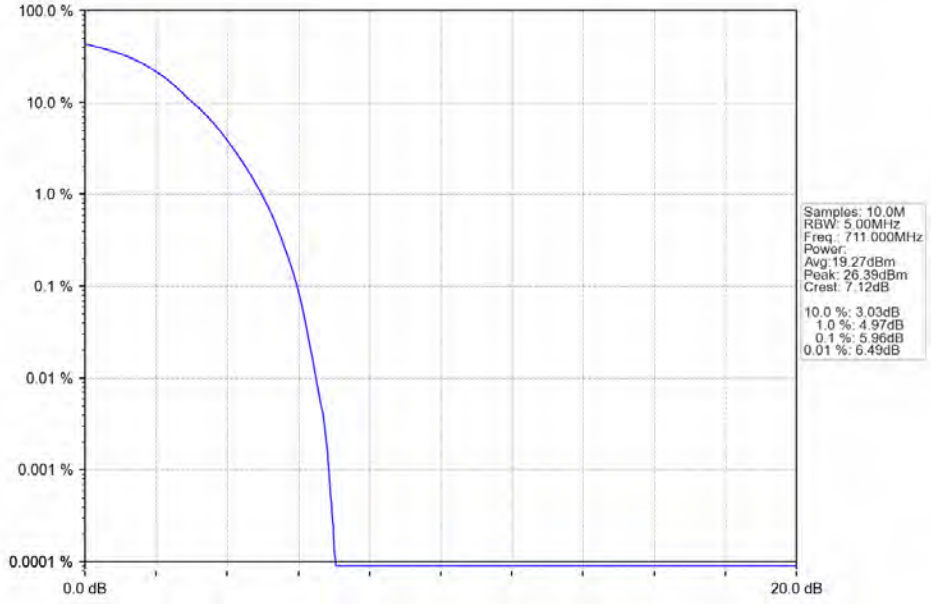
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

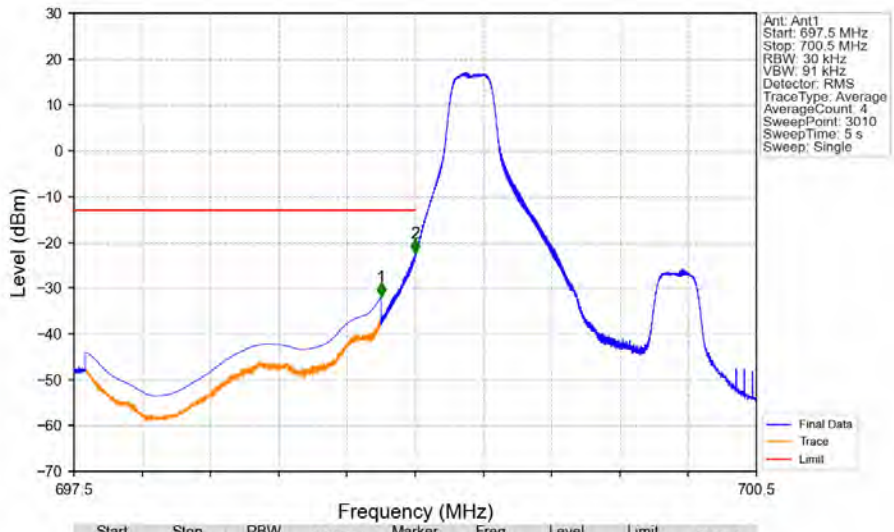
6.1 B12_1.4MHz

6.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

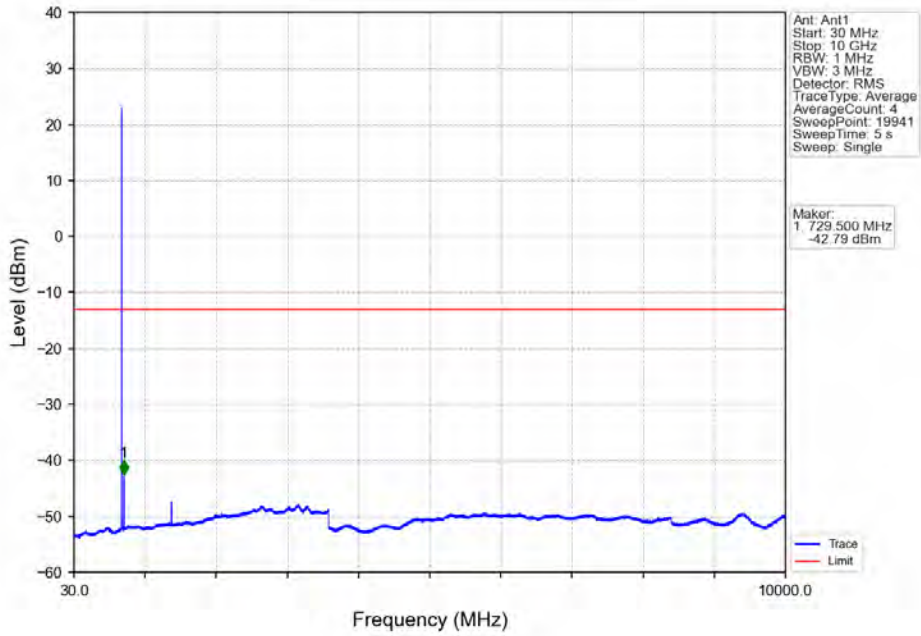
6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

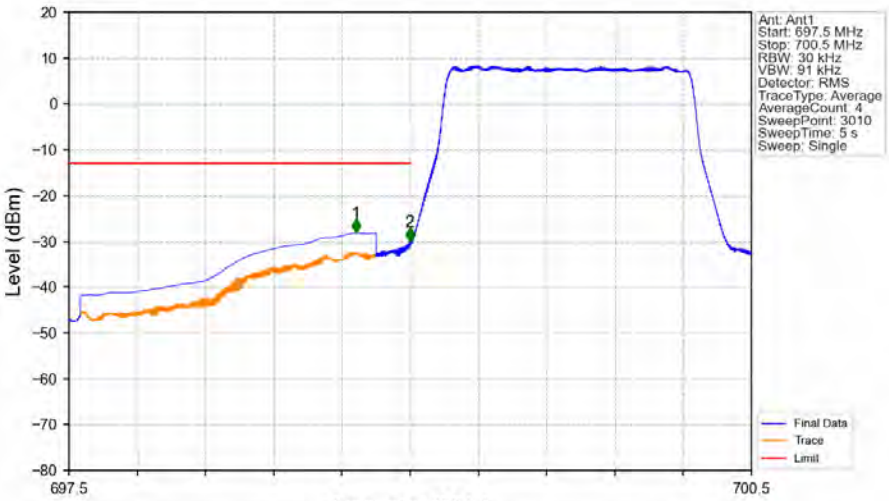


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.850	-31.87	-13	Pass
698.9	699	0.03	/	2	699.000	-22.40	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

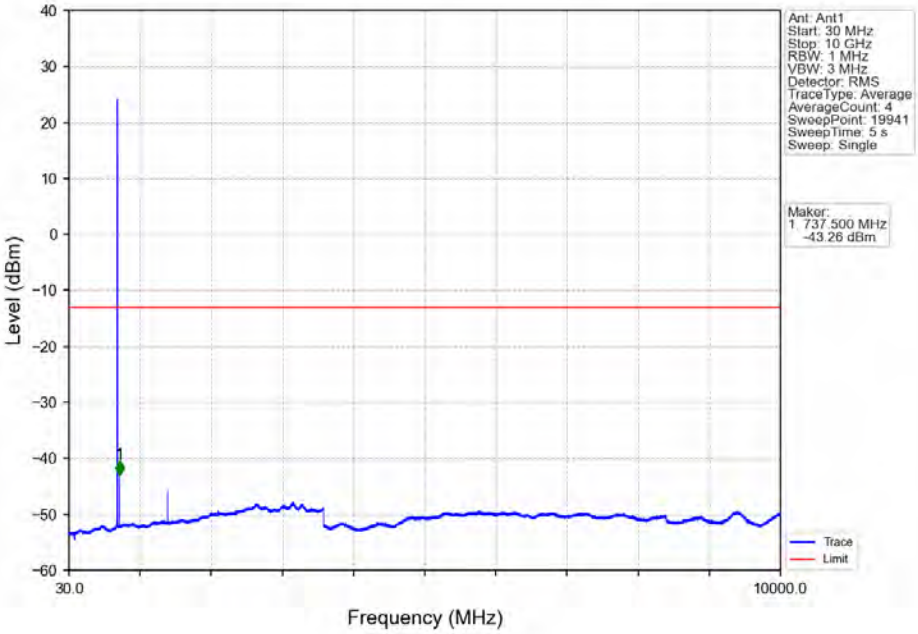


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

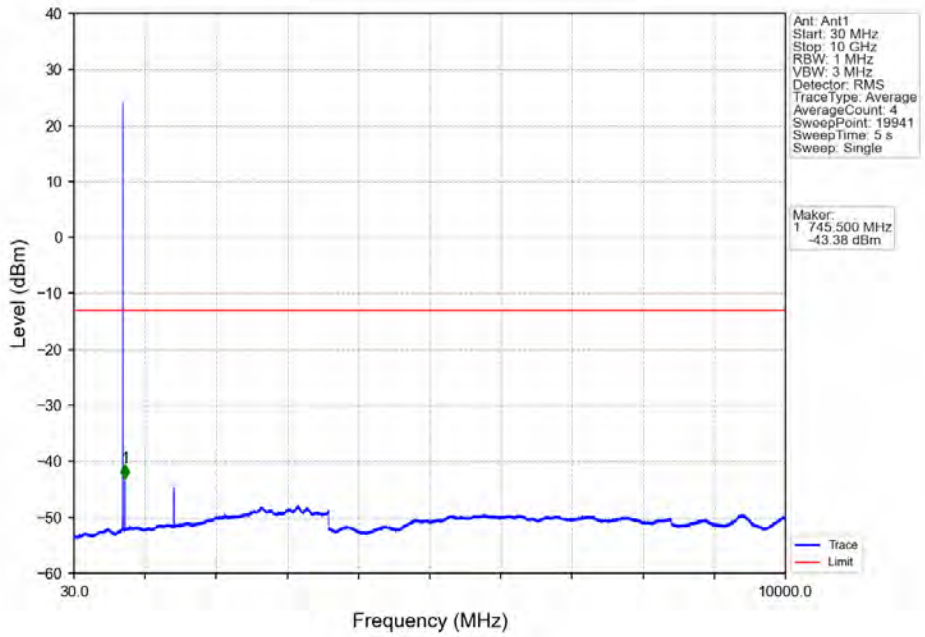


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.762	-28.17	-13	Pass
698.9	699	0.03	/	2	698.999	-30.03	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

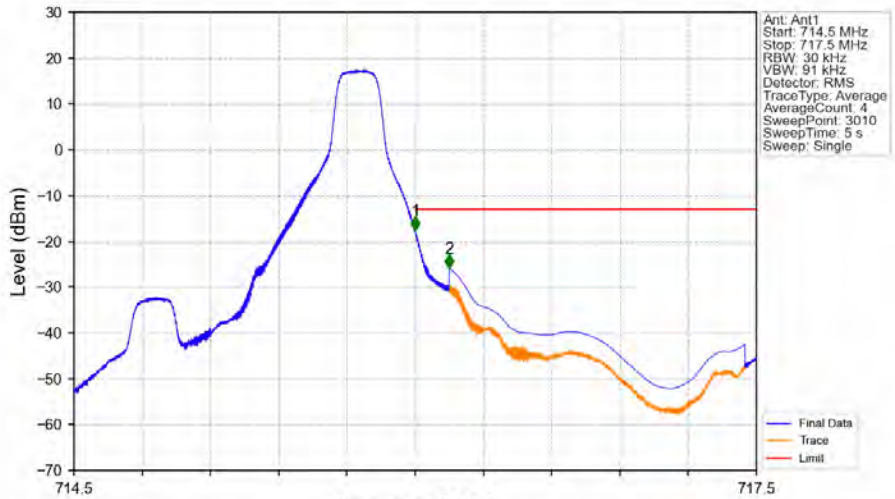
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

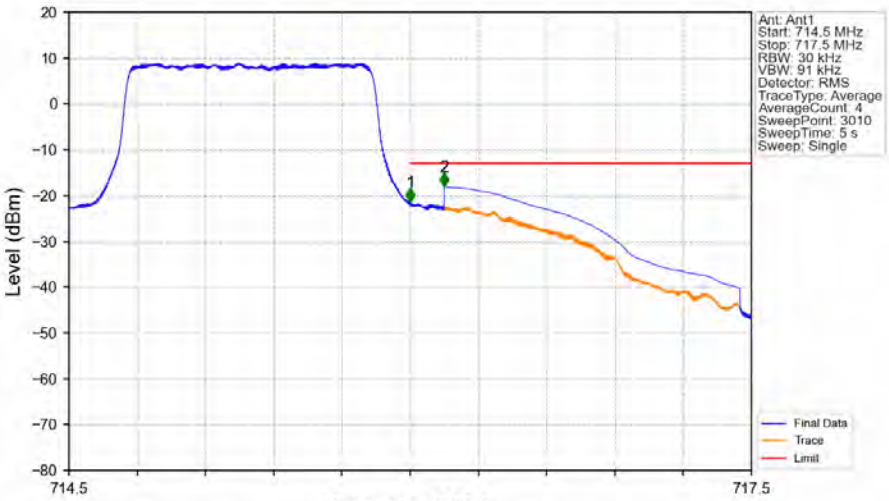


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



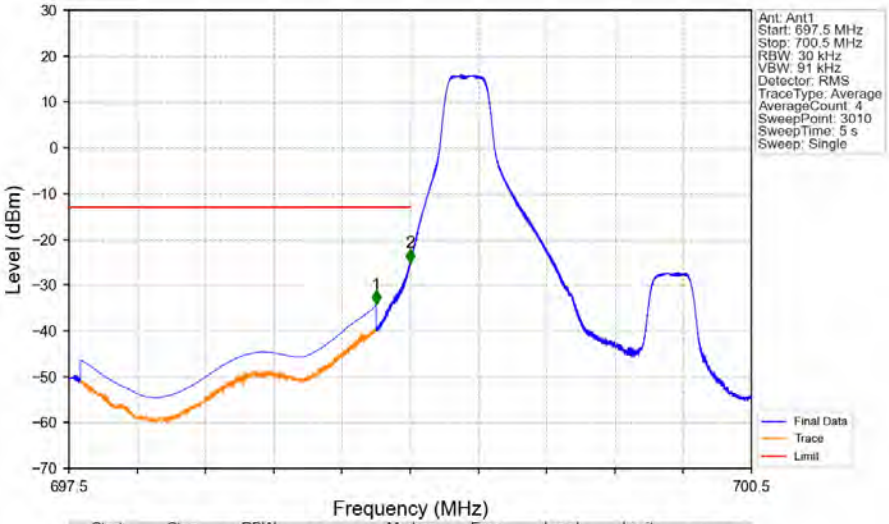
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-17.70	-13	Pass
716.1	717.5	0.1	CHP	2	716.150	-25.89	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



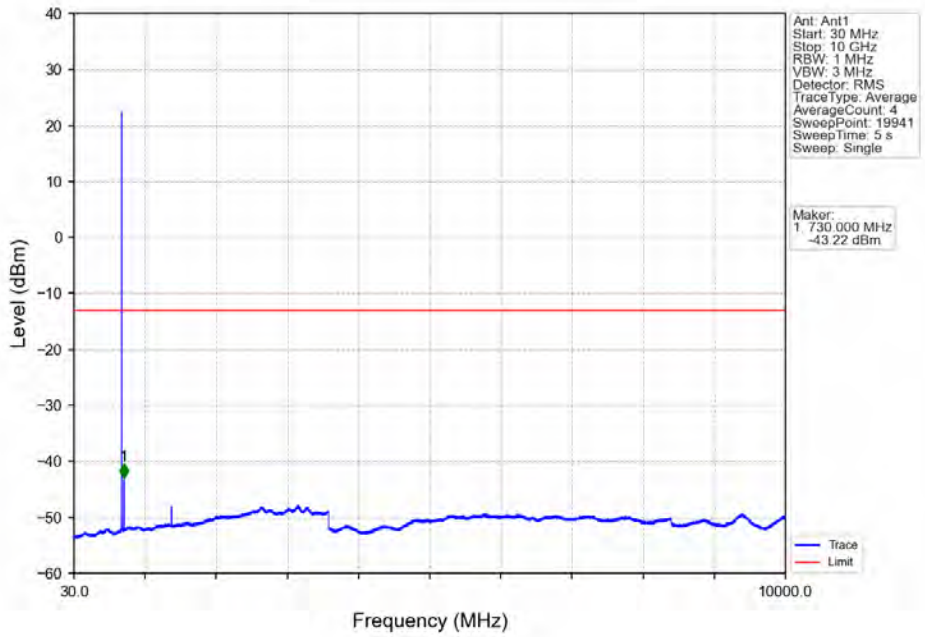
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.001	-21.50	-13	Pass
716.1	717.5	0.1	CHP	2	716.150	-18.06	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

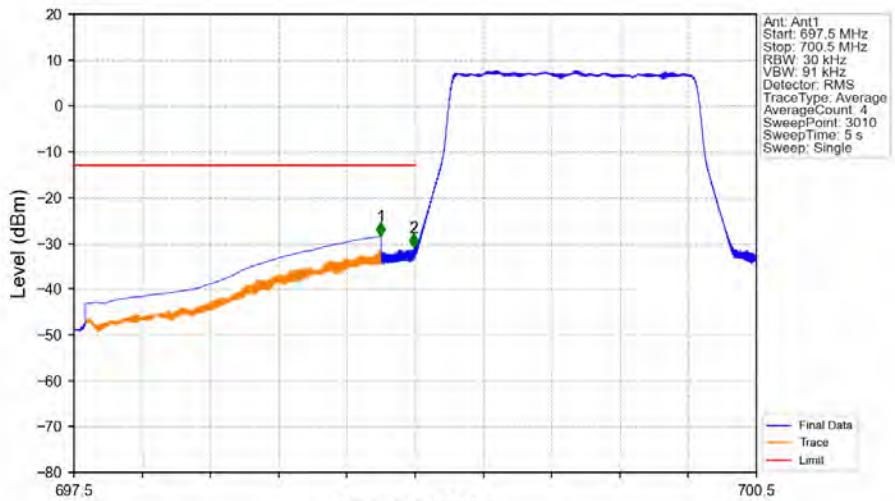


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.850	-34.24	-13	Pass
698.9	699	0.03	/	2	699.000	-25.13	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

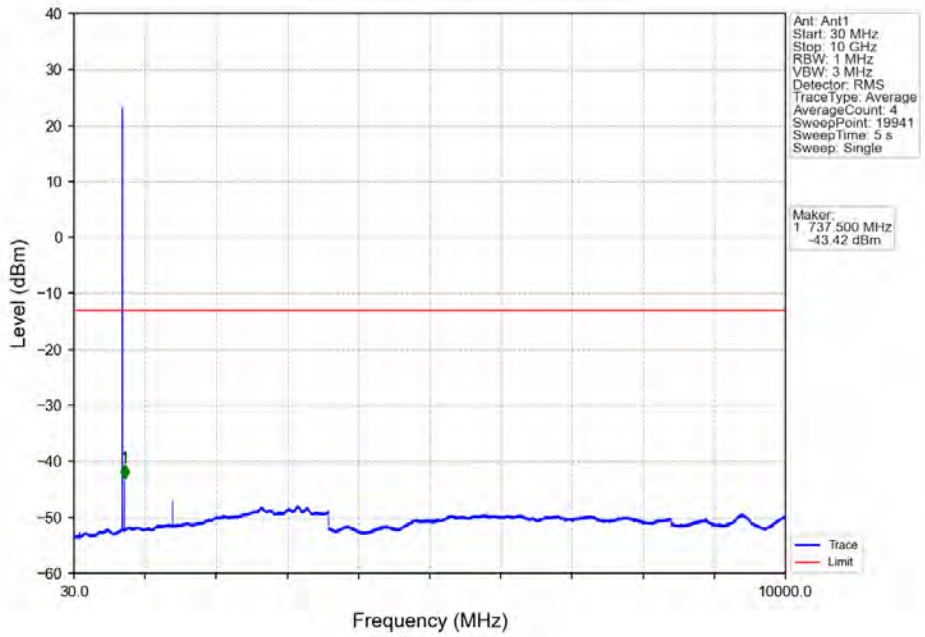


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

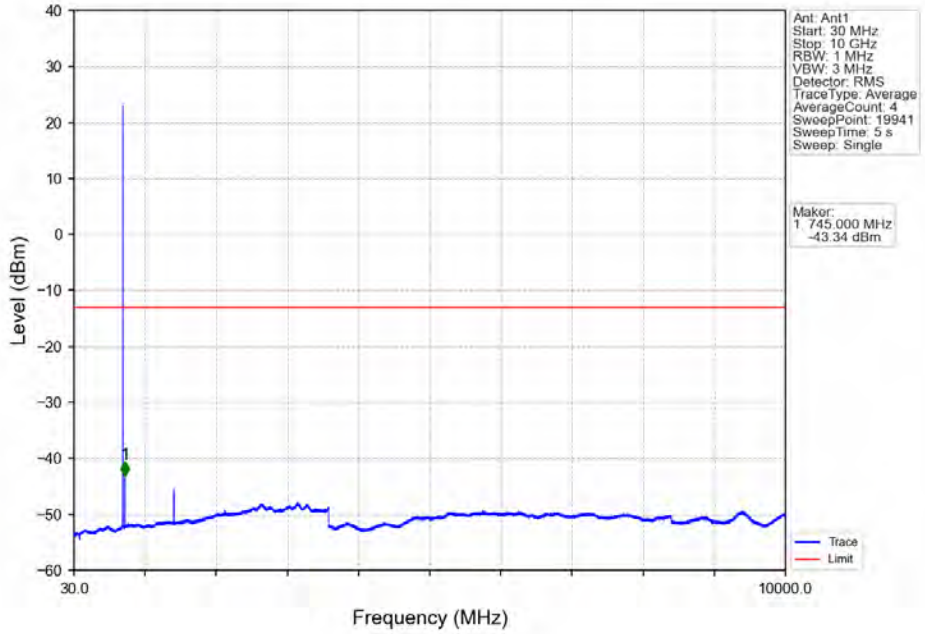


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.849	-28.54	-13	Pass
698.9	699	0.03	/	2	698.995	-30.99	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

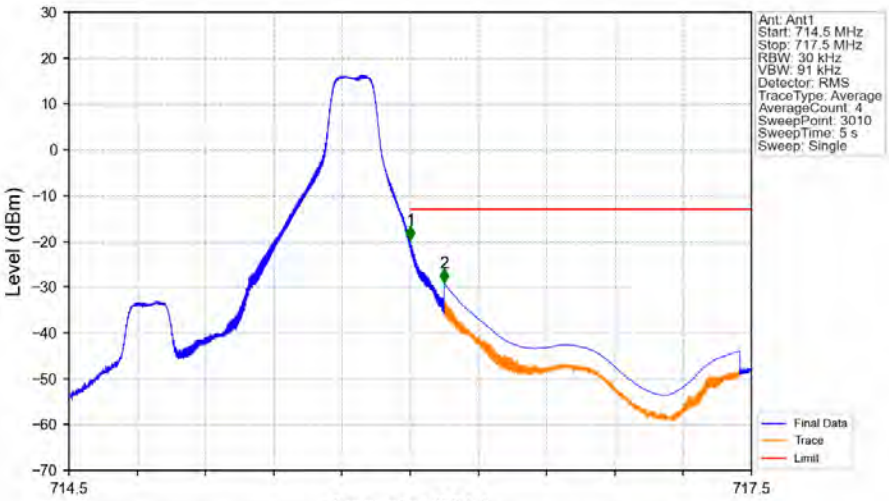
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

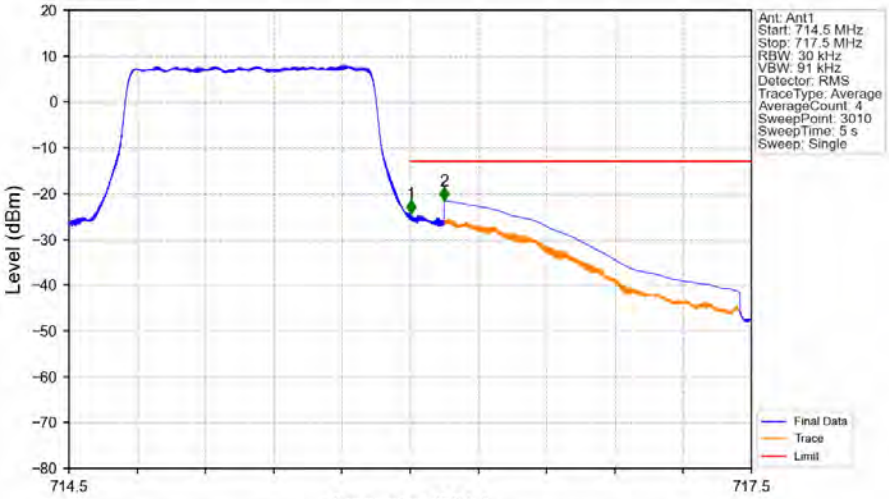


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-19.80	-13	Pass
716.1	717.5	0.1	CHP	2	716.150	-29.10	-13	Pass

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.002	-24.48	-13	Pass
716.1	717.5	0.1	CHP	2	716.150	-21.60	-13	Pass

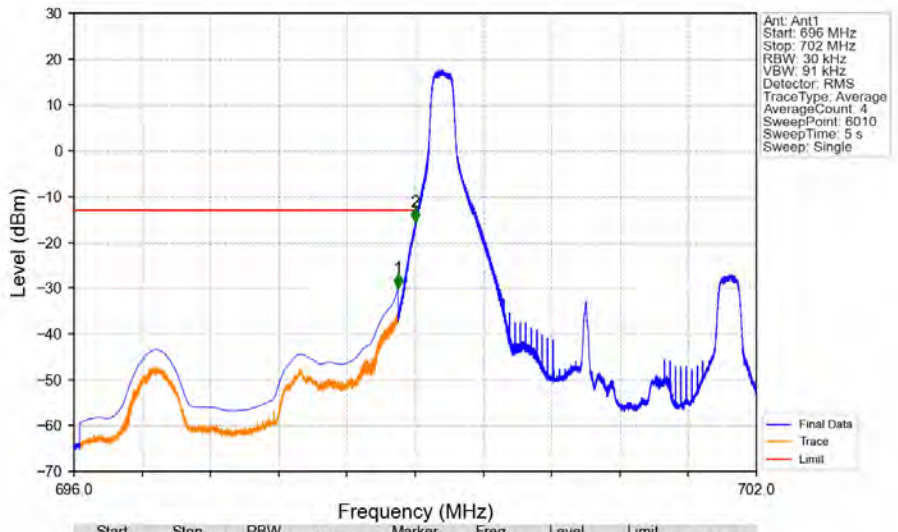
6.2 B12_3MHz

6.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

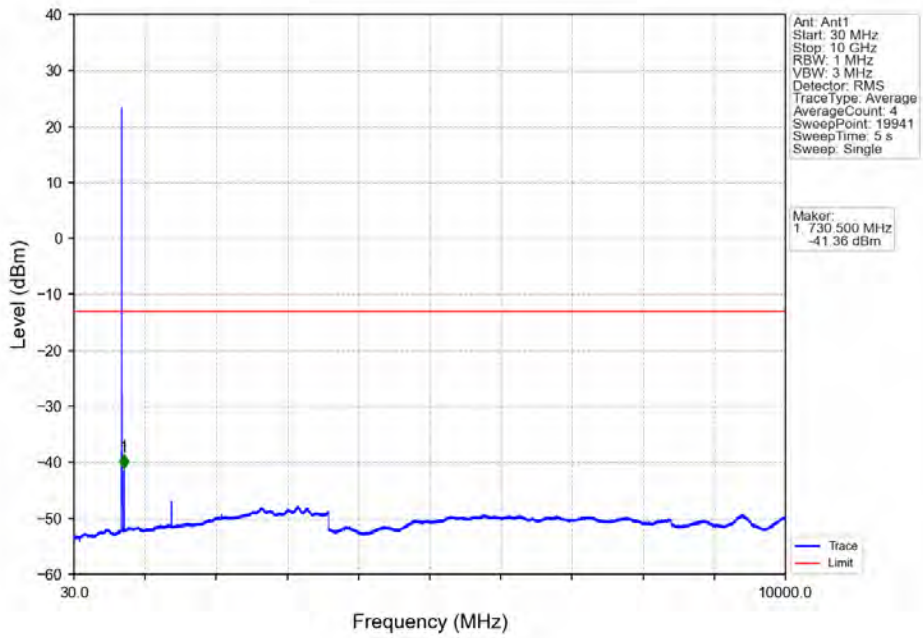
6.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

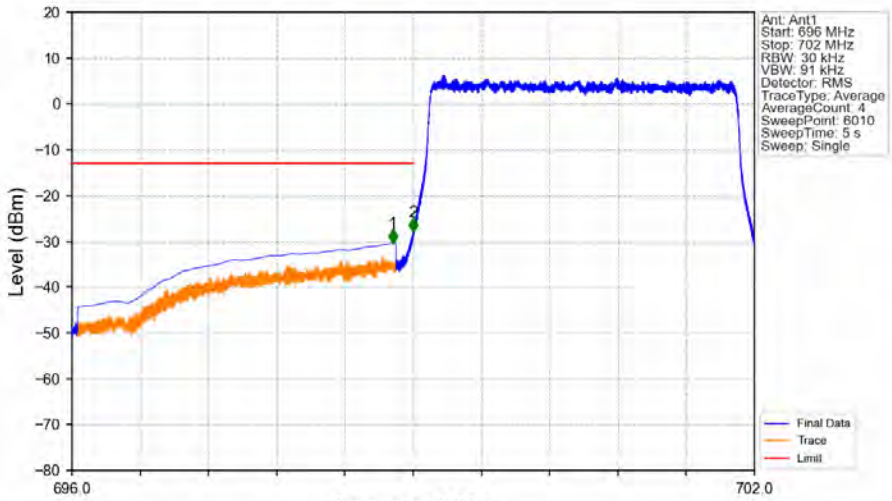


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.850	-29.93	-13	Pass
698.9	699	0.03	/	2	698.999	-15.55	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

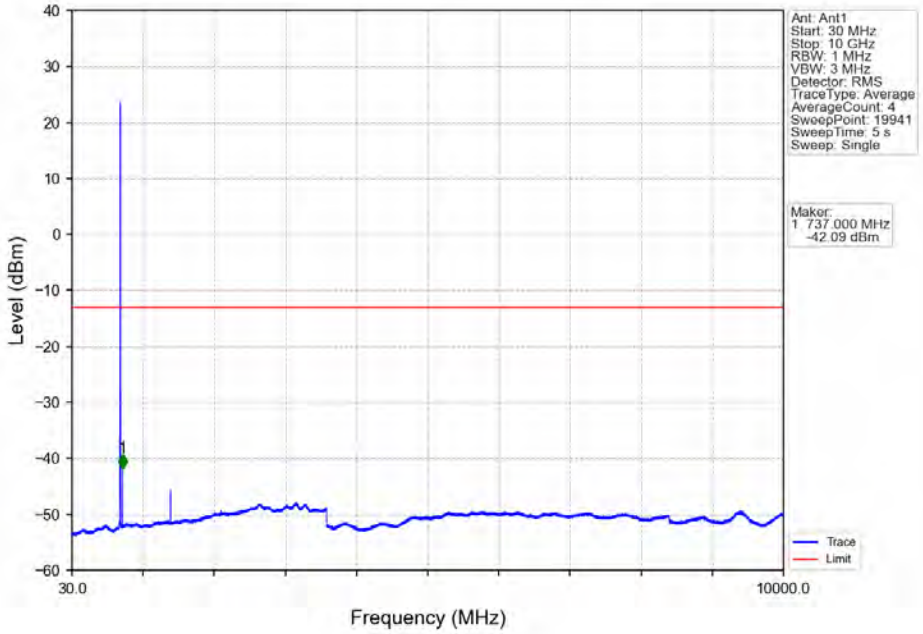


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

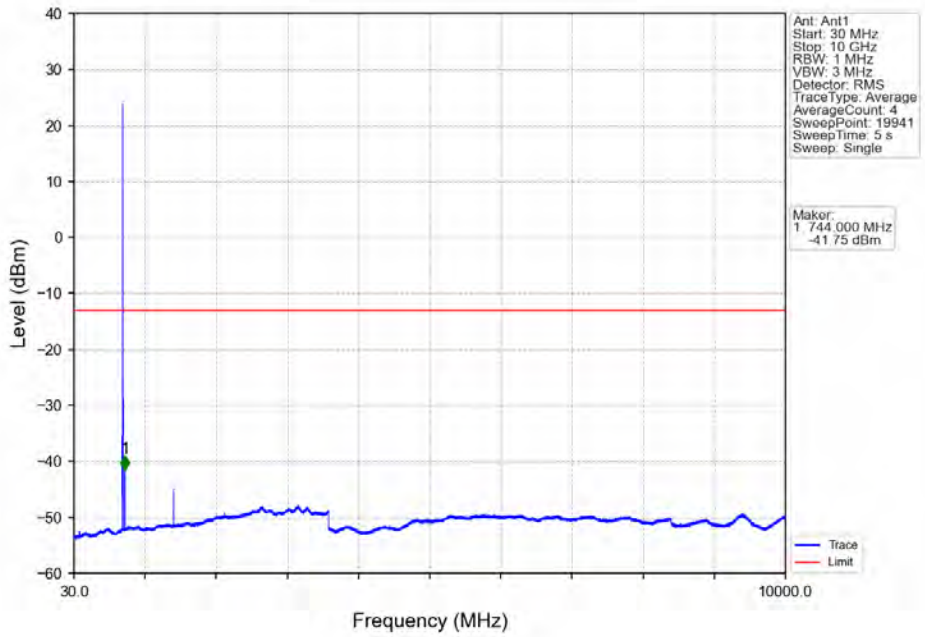


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.820	-30.48	-13	Pass
698.9	699	0.03	/	2	698.999	-28.04	-13	Pass
699	702	0.03	/	/	/	/	/	/

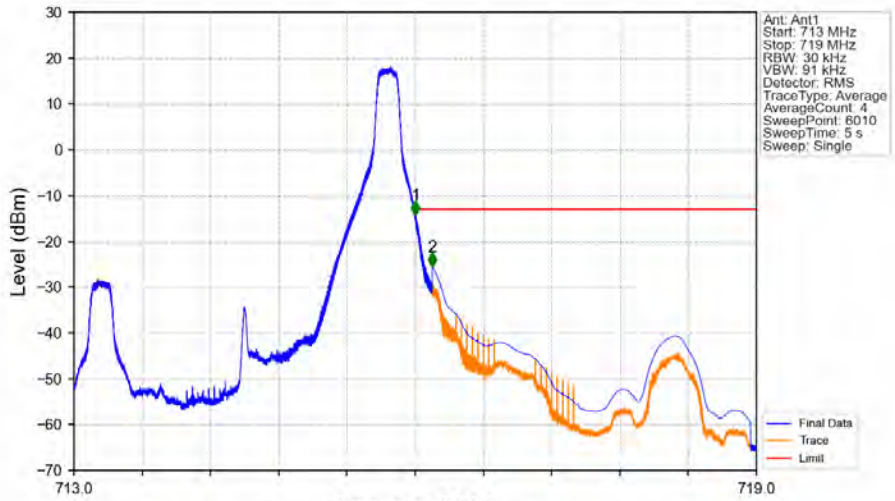
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

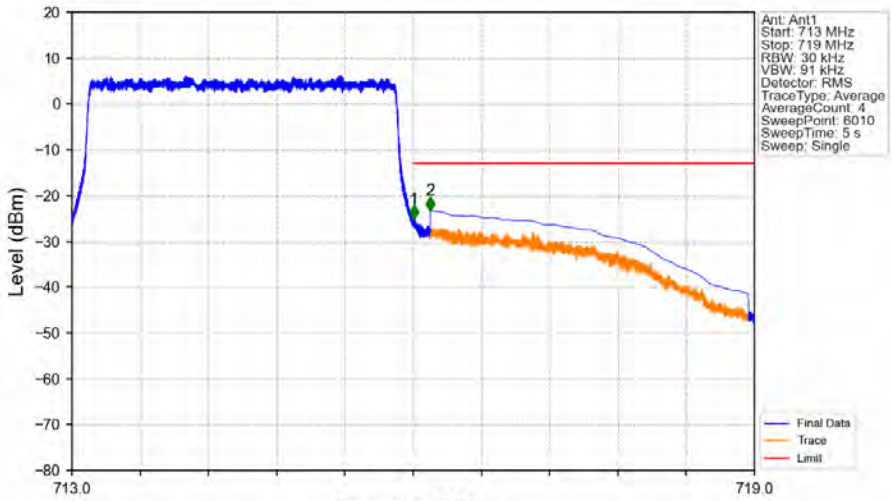


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



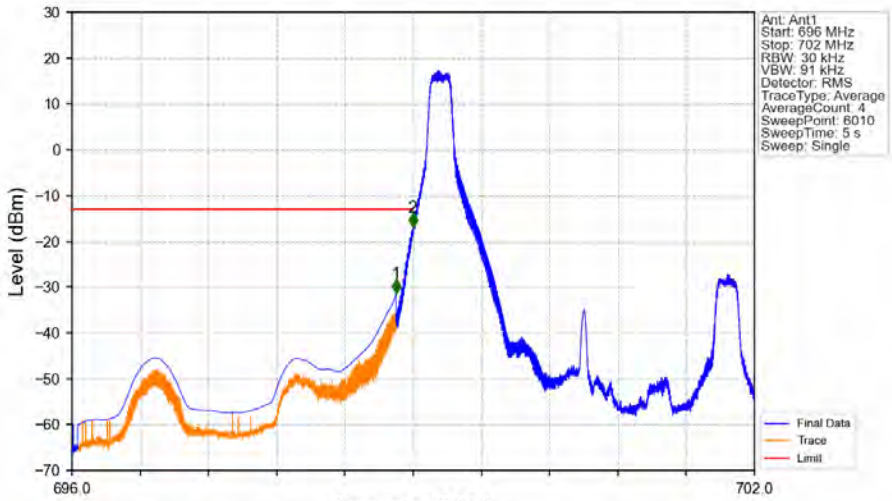
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-14.28	-13	Pass
716.1	719	0.1	CHP	2	716.150	-25.58	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



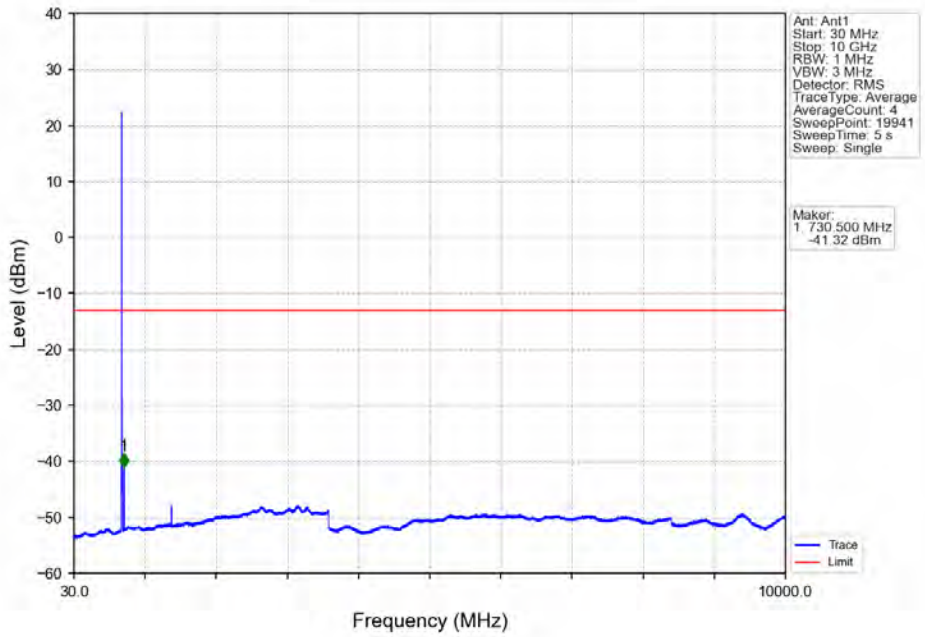
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-25.21	-13	Pass
716.1	719	0.1	CHP	2	716.150	-23.30	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

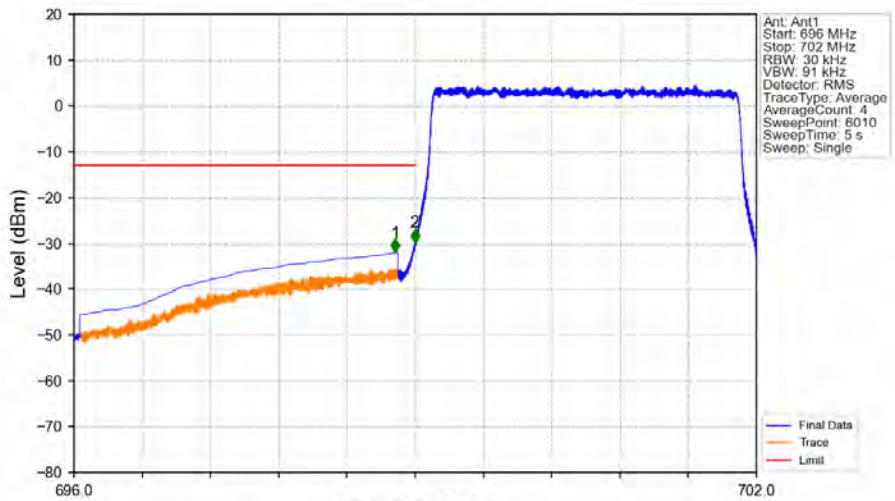


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.850	-31.36	-13	Pass
698.9	699	0.03	/	2	698.997	-16.95	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

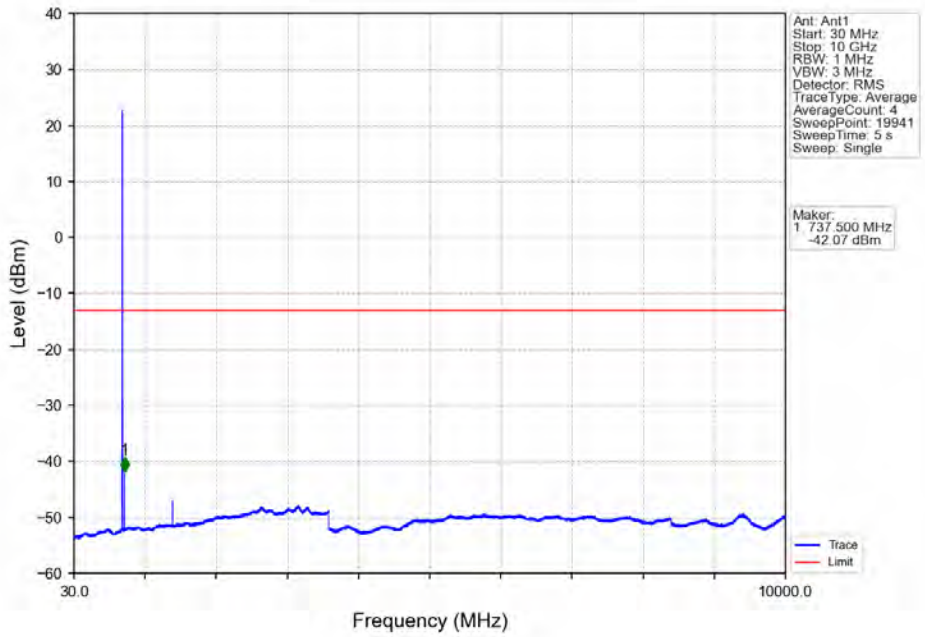


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

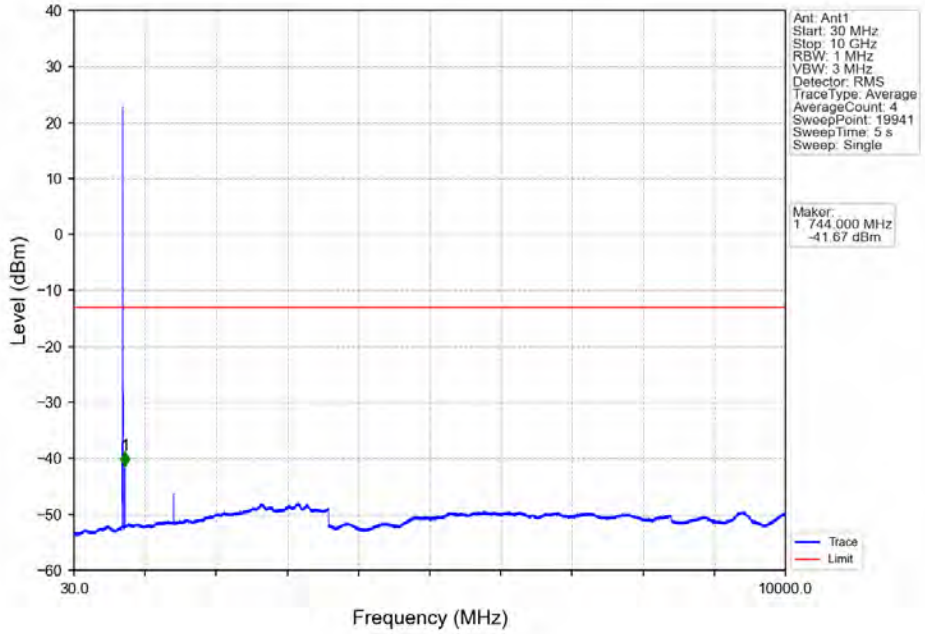


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.824	-32.01	-13	Pass
698.9	699	0.03	/	2	698.998	-29.82	-13	Pass
699	702	0.03	/	/	/	/	/	/

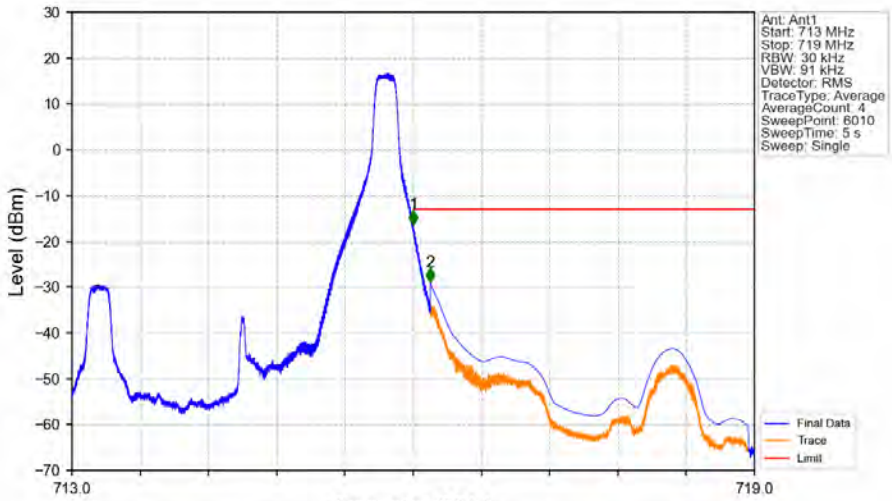
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

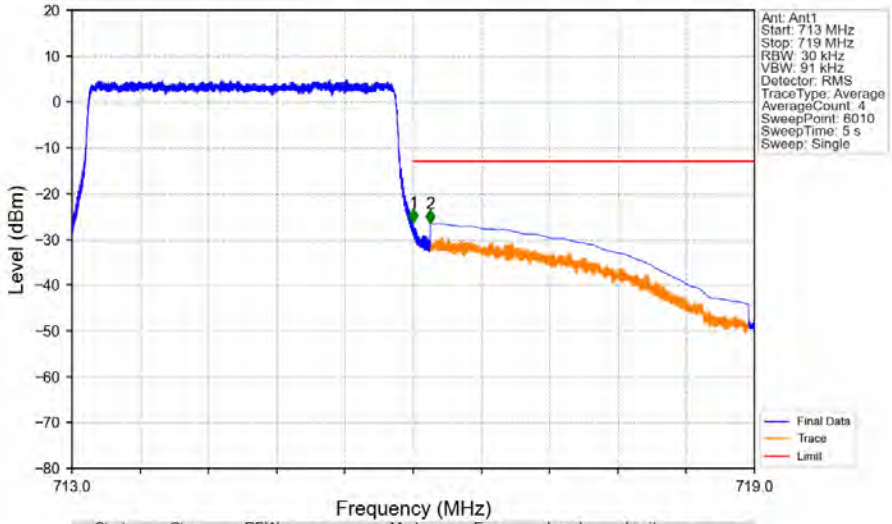


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-16.32	-13	Pass
716.1	719	0.1	CHP	2	716.150	-28.90	-13	Pass

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.001	-26.45	-13	Pass
716.1	719	0.1	CHP	2	716.150	-26.54	-13	Pass

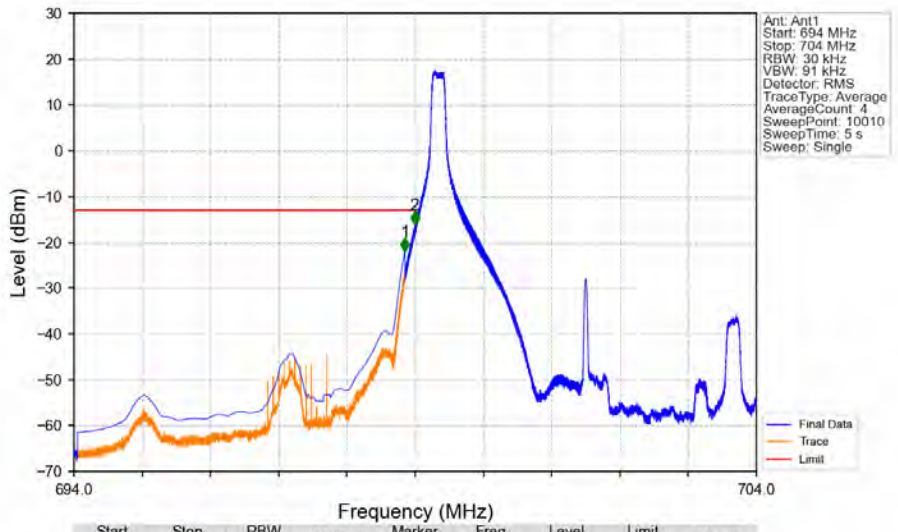
6.3 B12_5MHz

6.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

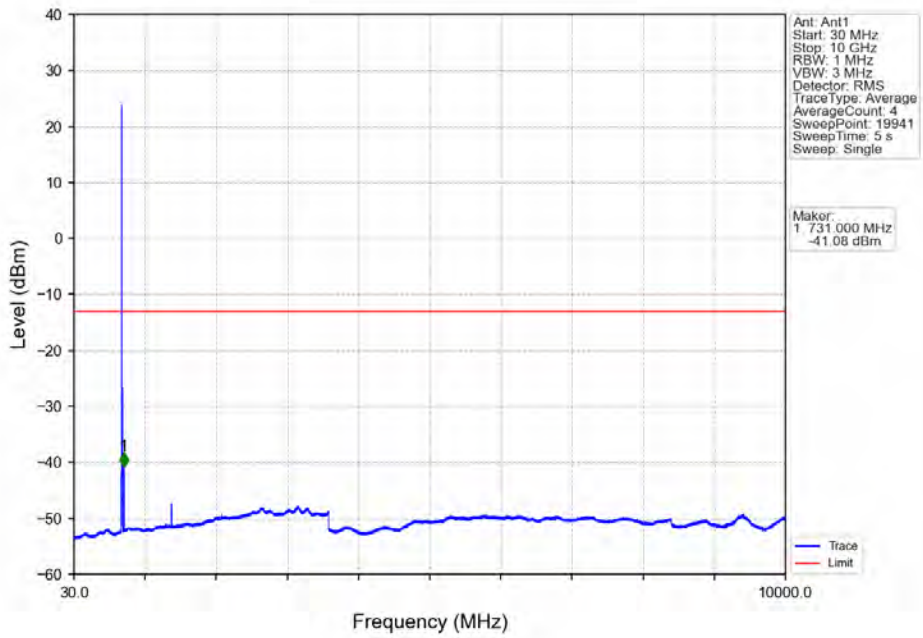
6.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

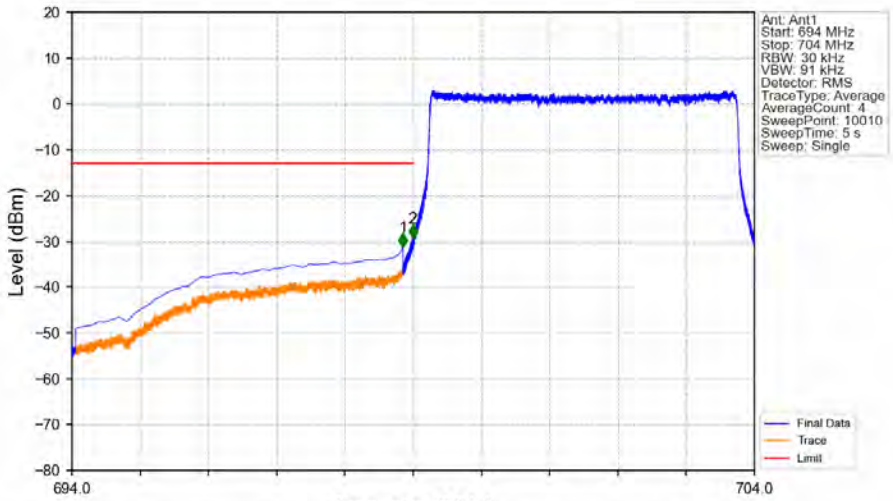


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.850	-22.00	-13	Pass
698.9	699	0.03	/	2	698.995	-16.26	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

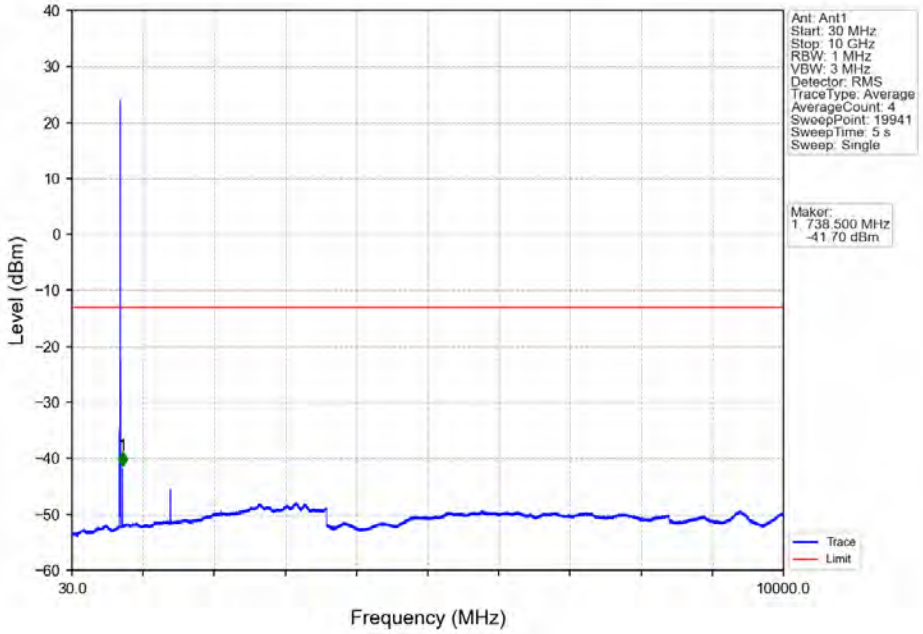


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

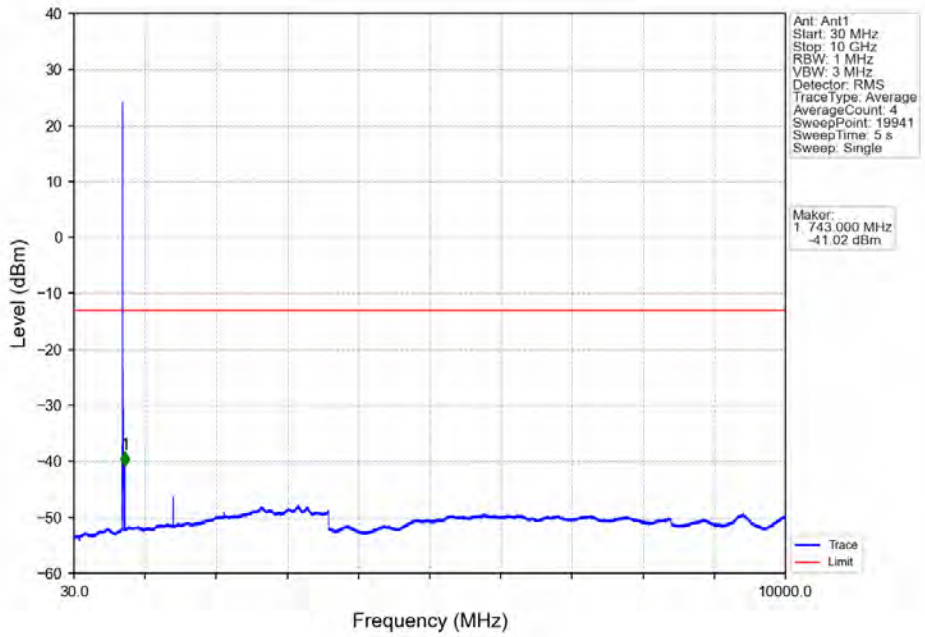


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.850	-31.27	-13	Pass
698.9	699	0.03	/	2	698.996	-29.34	-13	Pass
699	704	0.03	/	/	/	/	/	/

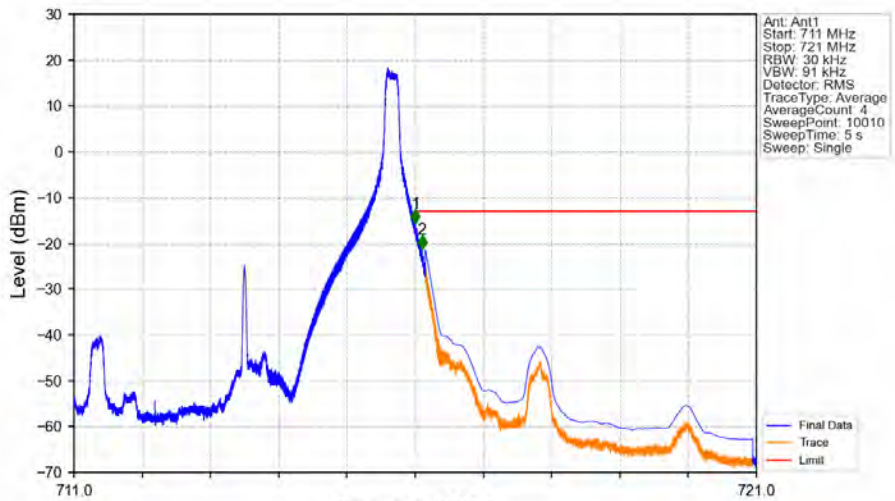
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

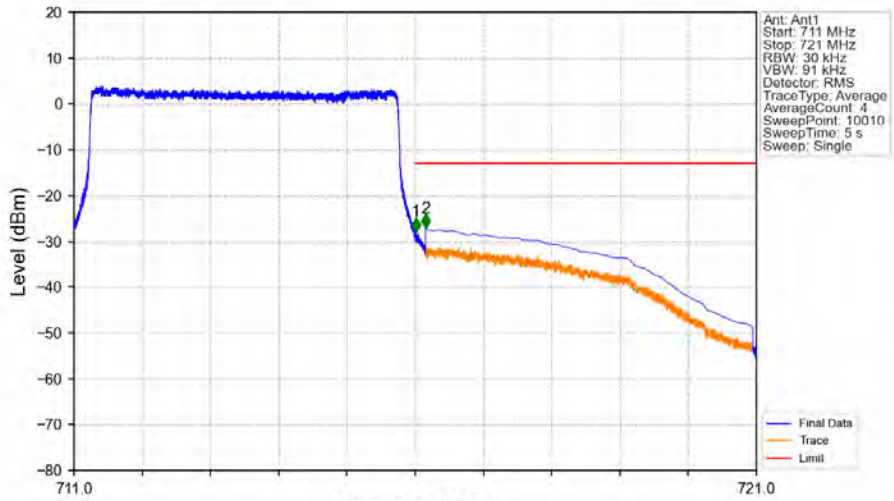


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



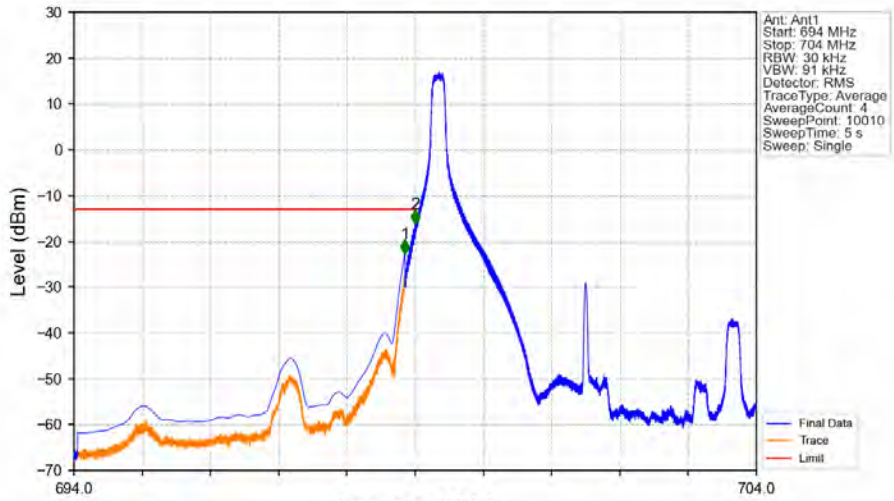
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.001	-15.69	-13	Pass
716.1	721	0.1	CHP	2	716.101	-21.37	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



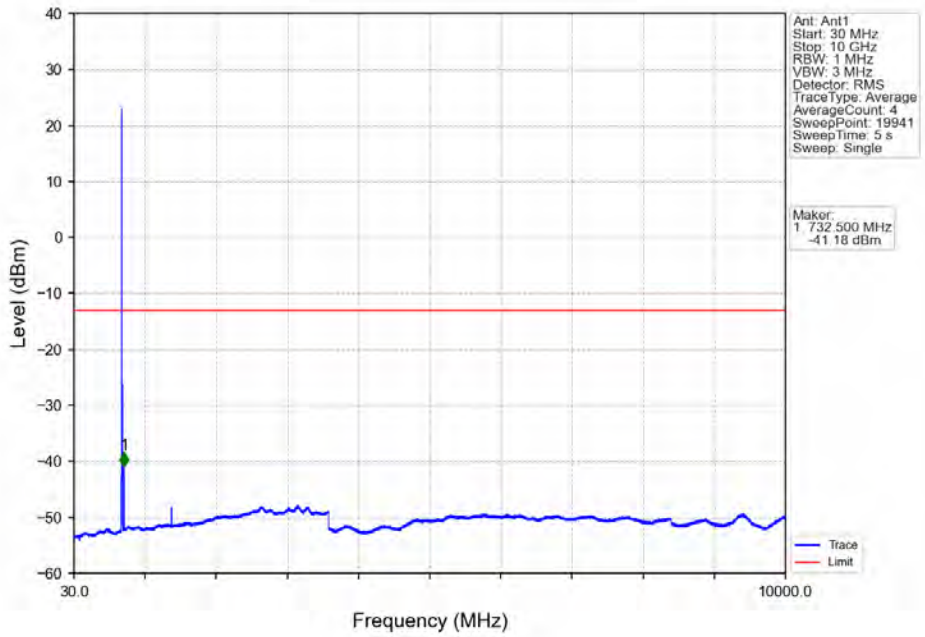
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-27.91	-13	Pass
716.1	721	0.1	CHP	2	716.150	-27.08	-13	Pass

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

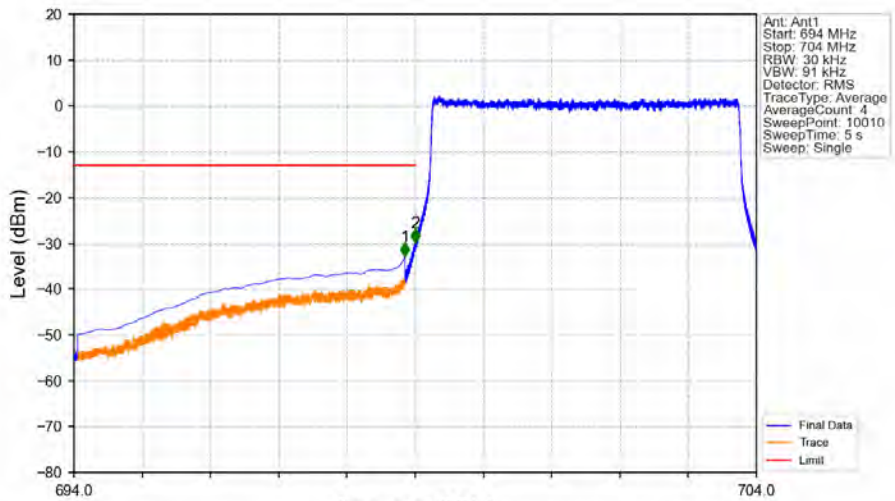


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.850	-22.70	-13	Pass
698.9	699	0.03	/	2	698.997	-16.15	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

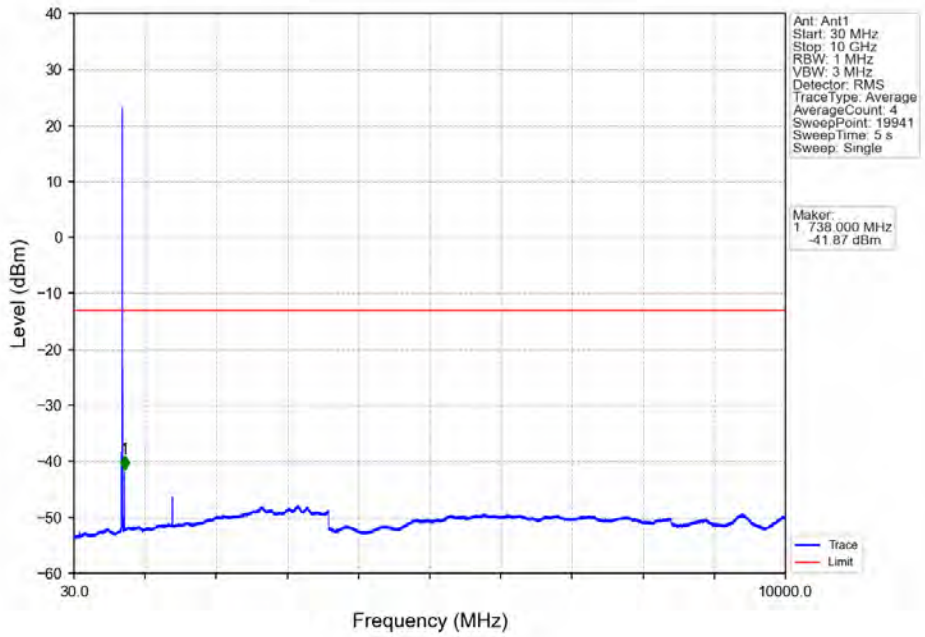


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

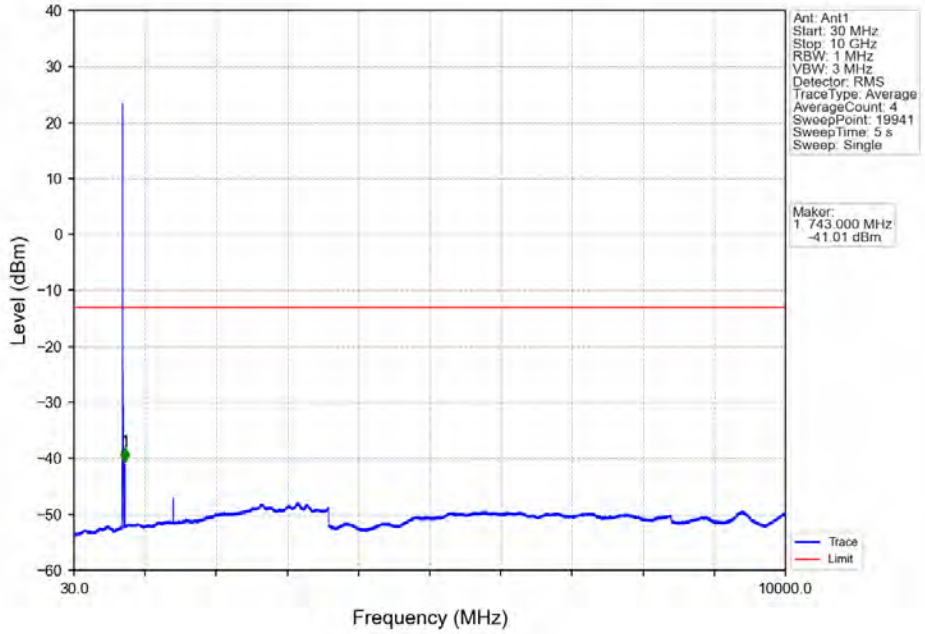


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.850	-32.89	-13	Pass
698.9	699	0.03	/	2	699.000	-29.94	-13	Pass
699	704	0.03	/	/	/	/	/	/

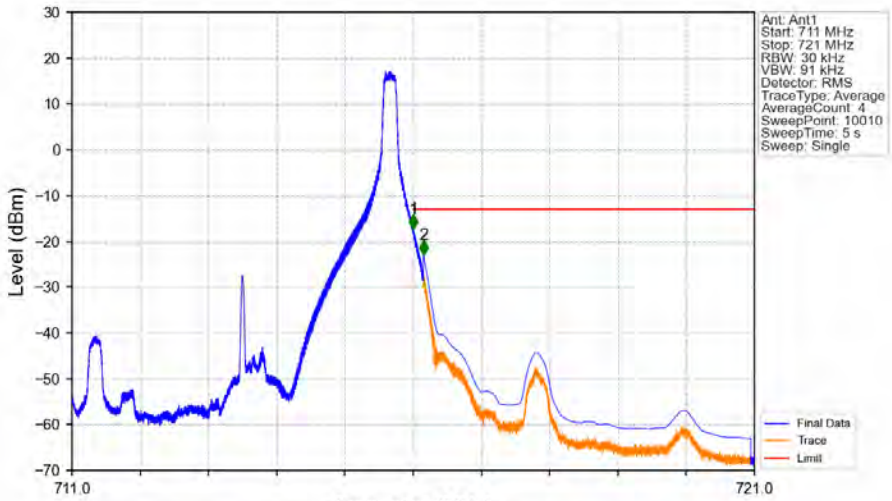
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

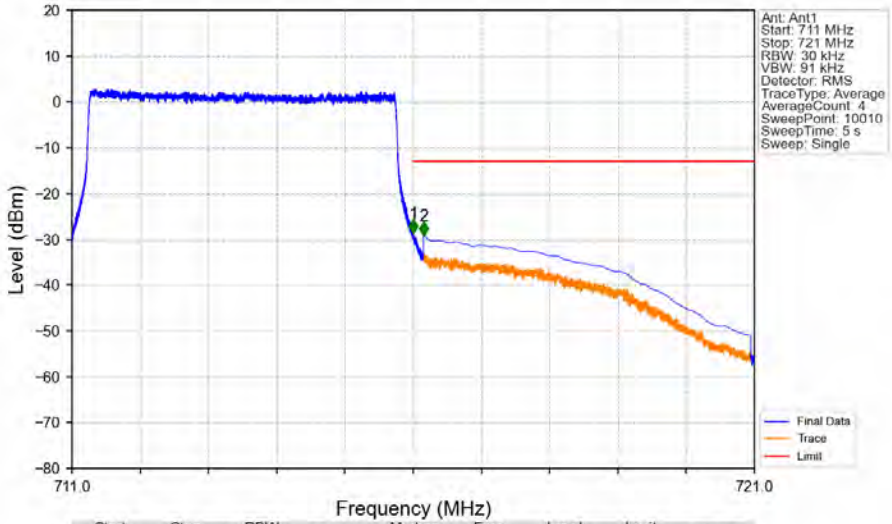


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-17.29	-13	Pass
716.1	721	0.1	CHP	2	716.150	-22.96	-13	Pass

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.002	-28.70	-13	Pass
716.1	721	0.1	CHP	2	716.150	-29.18	-13	Pass

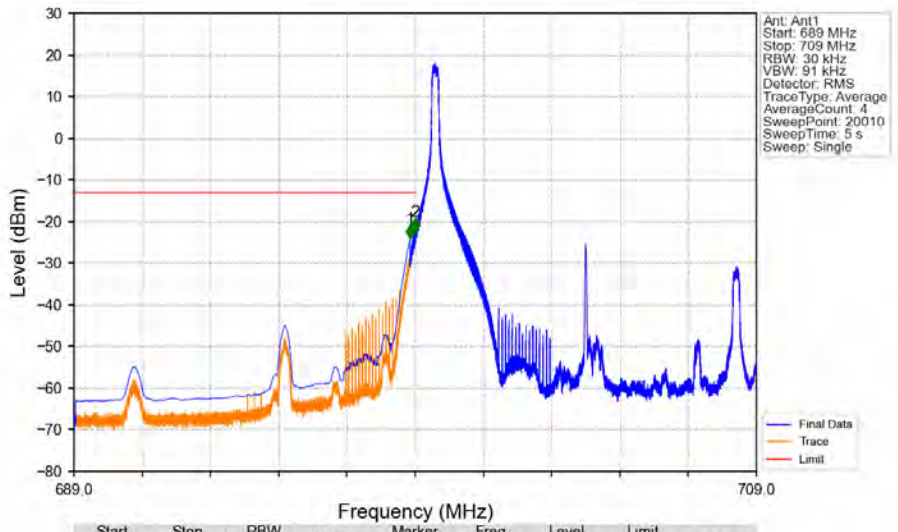
6.4 B12_10MHz

6.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

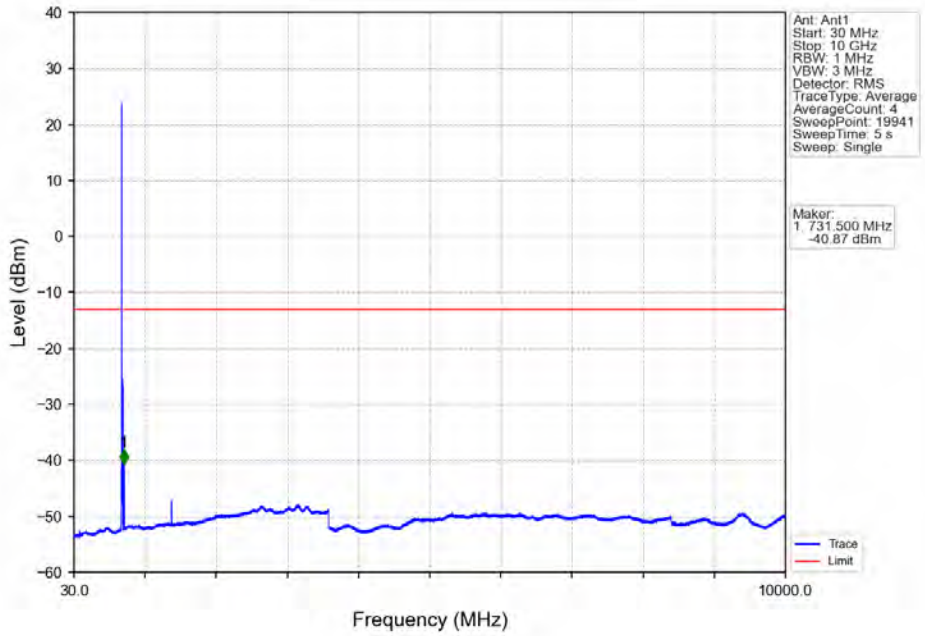
6.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

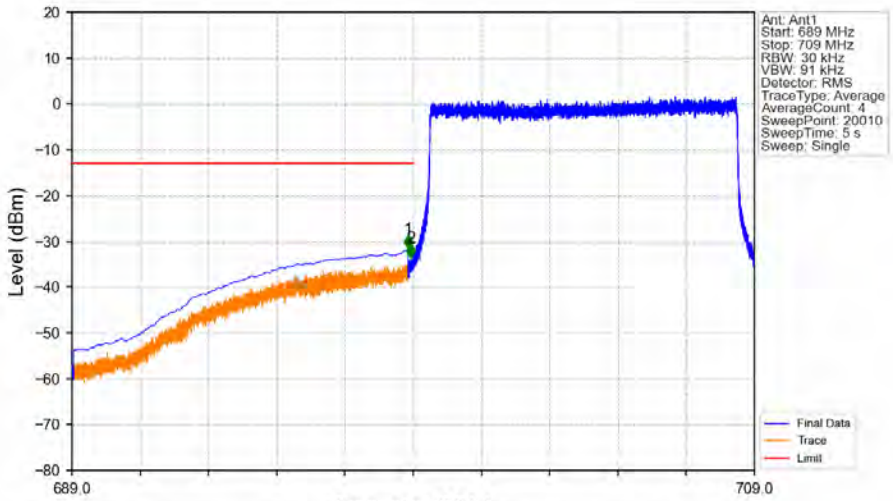


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.850	-24.14	-13	Pass
698.9	699	0.03	/	2	698.997	-22.47	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

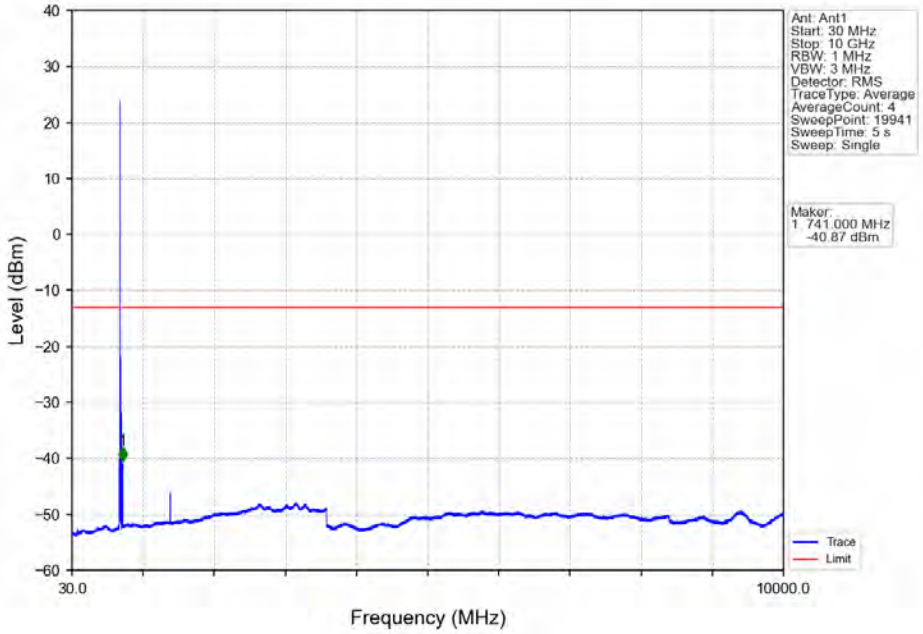


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

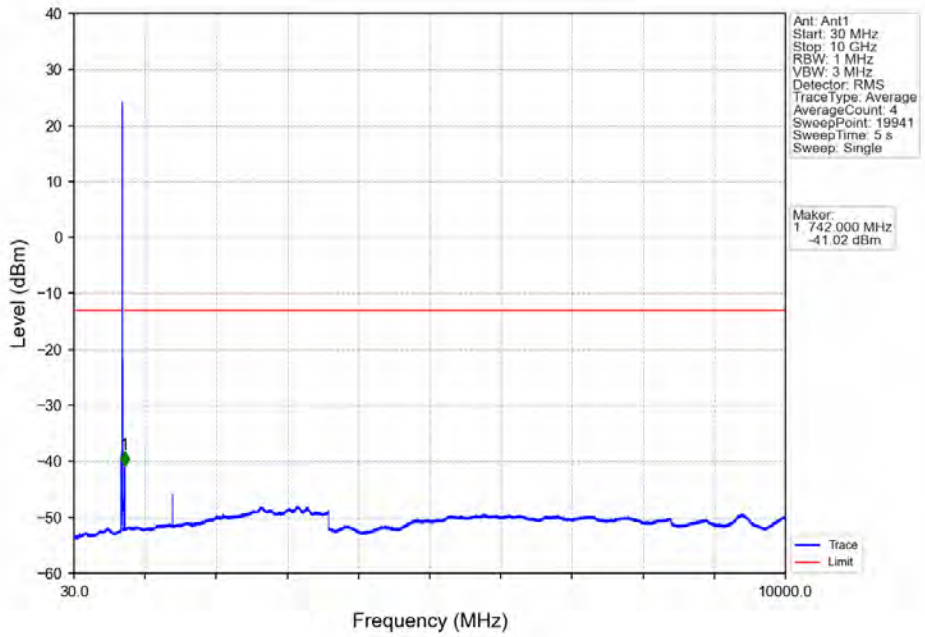


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.850	-31.63	-13	Pass
698.9	699	0.03	/	2	698.941	-33.66	-13	Pass
699	709	0.03	/	/	/	/	/	/

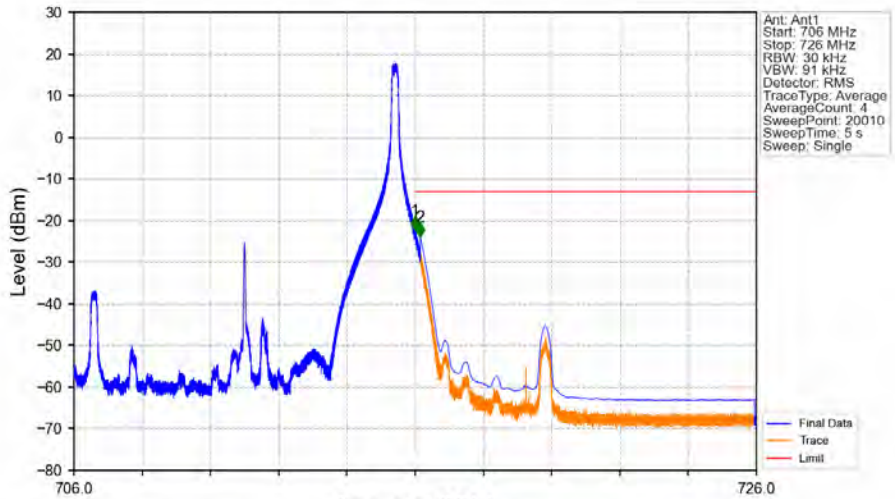
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

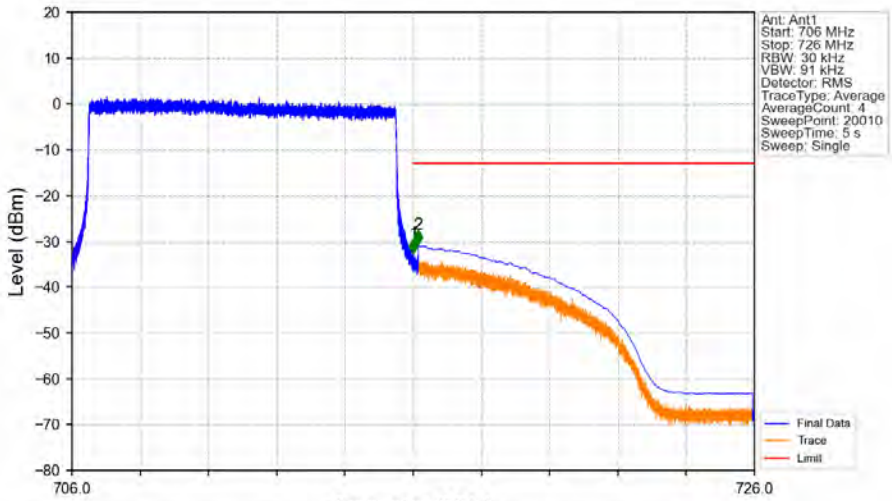


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



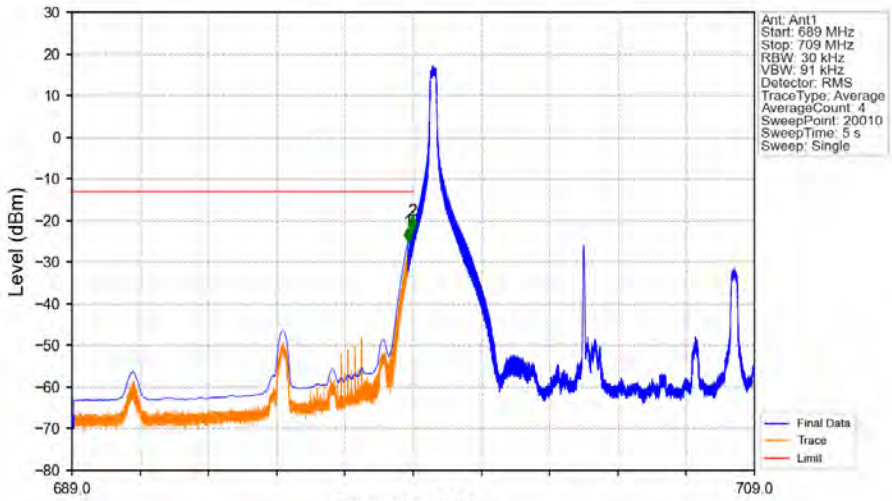
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-22.39	-13	Pass
716.1	726	0.1	CHP	2	716.150	-23.87	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



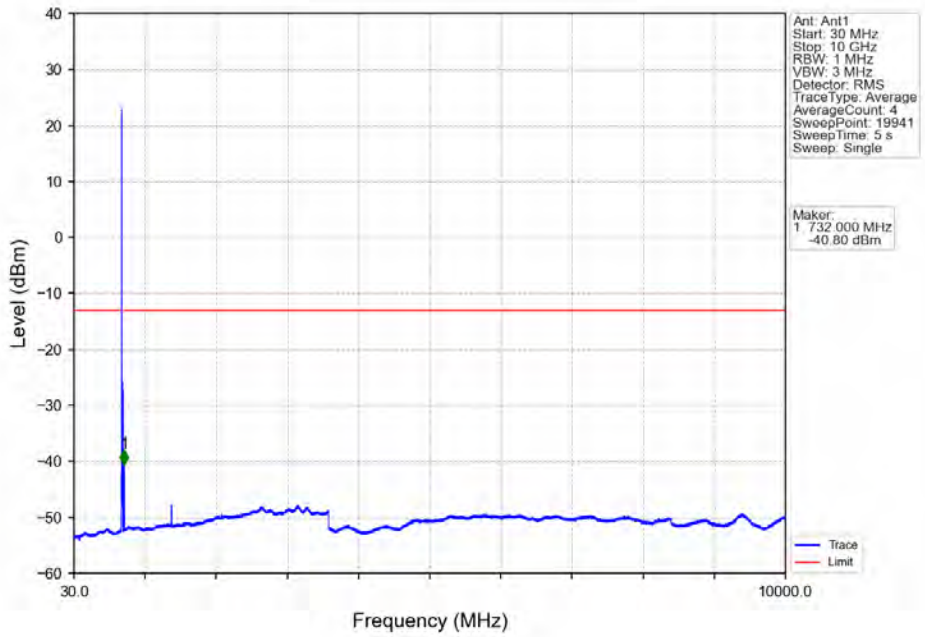
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-32.56	-13	Pass
716.1	726	0.1	CHP	2	716.150	-30.66	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

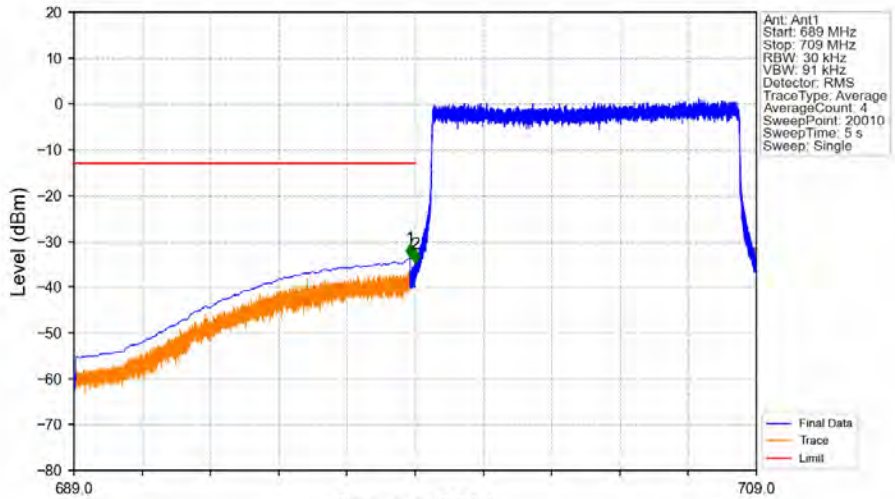


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.850	-25.01	-13	Pass
698.9	699	0.03	/	2	698.982	-22.32	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

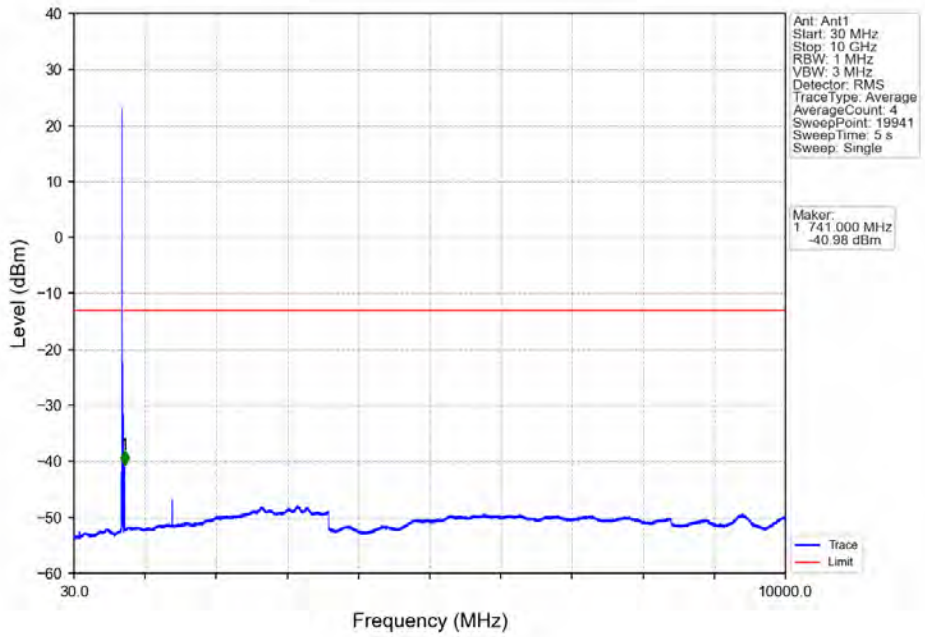


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

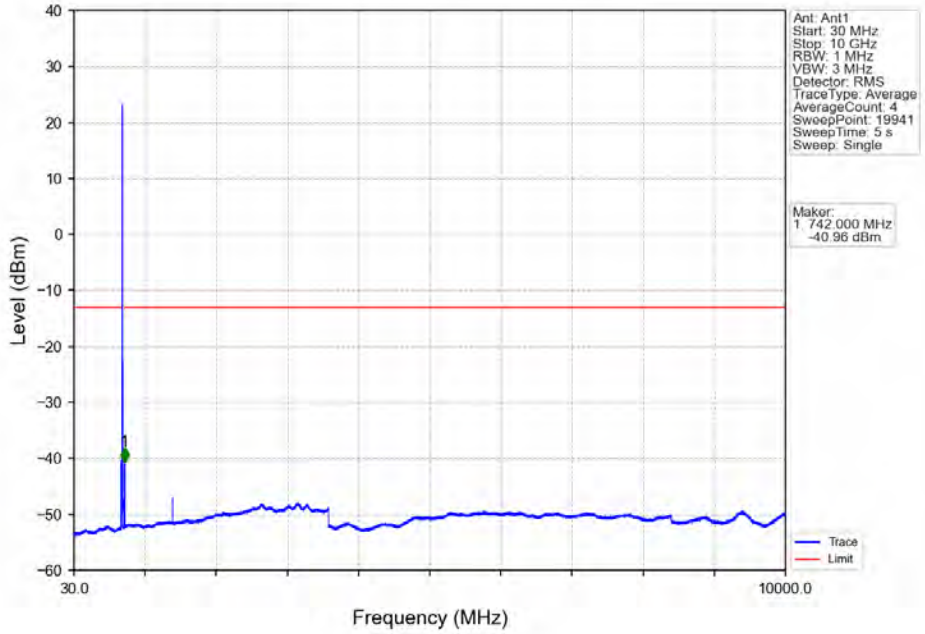


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.849	-33.59	-13	Pass
698.9	699	0.03	/	2	698.999	-34.82	-13	Pass
699	709	0.03	/	/	/	/	/	/

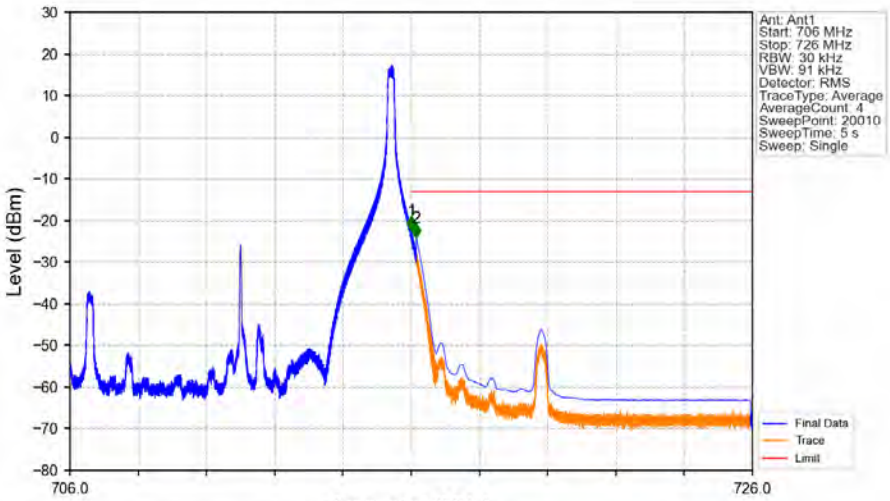
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

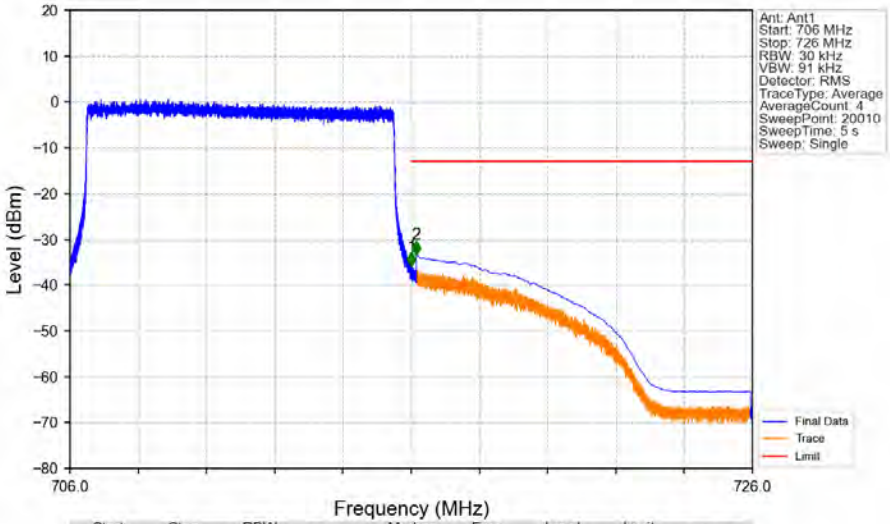


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.007	-22.33	-13	Pass
716.1	726	0.1	CHP	2	716.150	-24.08	-13	Pass

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.001	-35.87	-13	Pass
716.1	726	0.1	CHP	2	716.150	-33.38	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1837	0.0598	ppm	1M11G7D	27H	22.64
12	1.4	699.7	715.3	0.1476	0.0340	ppm	1M11W7D	27H	21.69
12	3	700.5	714.5	0.1816	0.0329	ppm	2M75G7D	27H	22.59
12	3	700.5	714.5	0.1486	0.0122	ppm	2M74W7D	27H	21.72
12	5	701.5	713.5	0.1845	0.0155	ppm	4M59G7D	27H	22.66
12	5	701.5	713.5	0.1489	0.0073	ppm	4M59W7D	27H	21.73
12	10	704	711	0.1862	0.0153	ppm	9M10G7D	27H	22.70
12	10	704	711	0.1574	0.0054	ppm	9M11W7D	27H	21.97

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.0820	0.0598	ppm	1M11G7D	27H	19.14
12	1.4	699.7	715.3	0.0659	0.0340	ppm	1M11W7D	27H	18.19
12	3	700.5	714.5	0.0811	0.0329	ppm	2M75G7D	27H	19.09
12	3	700.5	714.5	0.0664	0.0122	ppm	2M74W7D	27H	18.22
12	5	701.5	713.5	0.0824	0.0155	ppm	4M59G7D	27H	19.16
12	5	701.5	713.5	0.0665	0.0073	ppm	4M59W7D	27H	18.23
12	10	704	711	0.0832	0.0153	ppm	9M10G7D	27H	19.20
12	10	704	711	0.0703	0.0054	ppm	9M11W7D	27H	18.47