1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.77	0.00	21.62	<=34.77	Pass
			2	23.88	0.00	21.73	<=34.77	Pass
			5	23.80	0.00	21.65	<=34.77	Pass
		3	0	23.71	0.00	21.56	<=34.77	Pass
			2	23.75	0.00	21.60	<=34.77	Pass
			3	23.69	0.00	21.54	<=34.77	Pass
		6	0	22.74	0.00	20.59	<=34.77	Pass
	707.5	1	0	23.85	0.00	21.70	<=34.77	Pass
			2	23.97	0.00	21.82	<=34.77	Pass
			5	23.87	0.00	21.72	<=34.77	Pass
		3	0	23.87	0.00	21.72	<=34.77	Pass
			2	23.91	0.00	21.76	<=34.77	Pass
			3	23.86	0.00	21.71	<=34.77	Pass
		6	0	22.95	0.00	20.80	<=34.77	Pass
	715.3	1	0	23.99	0.00	21.84	<=34.77	Pass
			2	24.16	0.00	22.01	<=34.77	Pass
			5	24.06	0.00	21.91	<=34.77	Pass
		3	0	23.92	0.00	21.77	<=34.77	Pass
			2	23.93	0.00	21.78	<=34.77	Pass
			3	23.86	0.00	21.71	<=34.77	Pass
		6	0	23.09	0.00	20.94	<=34.77	Pass
16QAM	699.7	1	0	22.61	0.00	20.46	<=34.77	Pass
			2	22.75	0.00	20.60	<=34.77	Pass
			5	22.72	0.00	20.57	<=34.77	Pass
		3	0	22.71	0.00	20.56	<=34.77	Pass
			2	22.74	0.00	20.59	<=34.77	Pass
			3	22.75	0.00	20.60	<=34.77	Pass
		6	0	21.61	0.00	19.46	<=34.77	Pass
	707.5	1	0	22.90	0.00	20.75	<=34.77	Pass
			2	23.02	0.00	20.87	<=34.77	Pass
			5	22.90	0.00	20.75	<=34.77	Pass
		3	0	22.77	0.00	20.62	<=34.77	Pass
			2	22.79	0.00	20.64	<=34.77	Pass
			3	22.77	0.00	20.62	<=34.77	Pass
		6	0	21.84	0.00	19.69	<=34.77	Pass
	715.3	1	0	22.78	0.00	20.63	<=34.77	Pass
			2	22.87	0.00	20.72	<=34.77	Pass
			5	22.76	0.00	20.61	<=34.77	Pass
		3	0	22.97	0.00	20.82	<=34.77	Pass
			2	22.99	0.00	20.84	<=34.77	Pass
			3	22.95	0.00	20.80	<=34.77	Pass
		6	0	21.90	0.00	19.75	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.90	0.00	21.75	<=34.77	Pass
			7	24.05	0.00	21.90	<=34.77	Pass
			14	23.94	0.00	21.79	<=34.77	Pass
		8	0	22.85	0.00	20.70	<=34.77	Pass
			4	22.88	0.00	20.73	<=34.77	Pass
			7	22.82	0.00	20.67	<=34.77	Pass
		15	0	22.82	0.00	20.67	<=34.77	Pass
	707.5	1	0	23.97	0.00	21.82	<=34.77	Pass
			7	24.09	0.00	21.94	<=34.77	Pass
			14	24.00	0.00	21.85	<=34.77	Pass
		8	0	22.94	0.00	20.79	<=34.77	Pass
			4	23.02	0.00	20.87	<=34.77	Pass
			7	23.01	0.00	20.86	<=34.77	Pass
		15	0	22.91	0.00	20.76	<=34.77	Pass
	714.5	1	0	24.04	0.00	21.89	<=34.77	Pass
			7	24.26	0.00	22.11	<=34.77	Pass
			14	24.21	0.00	22.06	<=34.77	Pass
		8	0	23.06	0.00	20.91	<=34.77	Pass
			4	23.13	0.00	20.98	<=34.77	Pass
			7	23.11	0.00	20.96	<=34.77	Pass
		15	0	23.01	0.00	20.86	<=34.77	Pass
16QAM	700.5	1	0	22.77	0.00	20.62	<=34.77	Pass
			7	22.96	0.00	20.81	<=34.77	Pass
			14	22.87	0.00	20.72	<=34.77	Pass
		8	0	21.82	0.00	19.67	<=34.77	Pass
			4	21.88	0.00	19.73	<=34.77	Pass
			7	21.84	0.00	19.69	<=34.77	Pass
		15	0	21.80	0.00	19.65	<=34.77	Pass
	707.5	1	0	23.01	0.00	20.86	<=34.77	Pass
			7	23.16	0.00	21.01	<=34.77	Pass
			14	23.04	0.00	20.89	<=34.77	Pass
		8	0	21.81	0.00	19.66	<=34.77	Pass
			4	21.90	0.00	19.75	<=34.77	Pass
			7	21.87	0.00	19.72	<=34.77	Pass
		15	0	21.84	0.00	19.69	<=34.77	Pass
	714.5	1	0	23.43	0.00	21.28	<=34.77	Pass
			7	23.54	0.00	21.39	<=34.77	Pass
			14	23.33	0.00	21.18	<=34.77	Pass
		8	0	22.14	0.00	19.99	<=34.77	Pass
			4	22.16	0.00	20.01	<=34.77	Pass
			7	22.11	0.00	19.96	<=34.77	Pass
		15	0	21.99	0.00	19.84	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.65	0.00	21.50	<=34.77	Pass
			13	23.85	0.00	21.70	<=34.77	Pass
			24	23.79	0.00	21.64	<=34.77	Pass
		12	0	22.79	0.00	20.64	<=34.77	Pass
			6	22.78	0.00	20.63	<=34.77	Pass
			13	22.61	0.00	20.46	<=34.77	Pass
		25	0	22.71	0.00	20.56	<=34.77	Pass
	707.5	1	0	23.74	0.00	21.59	<=34.77	Pass
			13	23.93	0.00	21.78	<=34.77	Pass
			24	23.83	0.00	21.68	<=34.77	Pass
		12	0	22.70	0.00	20.55	<=34.77	Pass
			6	22.84	0.00	20.69	<=34.77	Pass
			13	22.92	0.00	20.77	<=34.77	Pass
		25	0	22.85	0.00	20.70	<=34.77	Pass
	713.5	1	0	23.80	0.00	21.65	<=34.77	Pass
			13	24.02	0.00	21.87	<=34.77	Pass
			24	23.98	0.00	21.83	<=34.77	Pass
		12	0	23.06	0.00	20.91	<=34.77	Pass
			6	22.97	0.00	20.82	<=34.77	Pass
			13	22.84	0.00	20.69	<=34.77	Pass
		25	0	22.98	0.00	20.83	<=34.77	Pass
16QAM	701.5	1	0	22.62	0.00	20.47	<=34.77	Pass
			13	22.87	0.00	20.72	<=34.77	Pass
			24	22.82	0.00	20.67	<=34.77	Pass
		12	0	21.76	0.00	19.61	<=34.77	Pass
			6	21.79	0.00	19.64	<=34.77	Pass
			13	21.62	0.00	19.47	<=34.77	Pass
		25	0	21.69	0.00	19.54	<=34.77	Pass
	707.5	1	0	22.92	0.00	20.77	<=34.77	Pass
			13	23.01	0.00	20.86	<=34.77	Pass
			24	22.93	0.00	20.78	<=34.77	Pass
		12	0	21.75	0.00	19.60	<=34.77	Pass
			6	21.83	0.00	19.68	<=34.77	Pass
			13	21.92	0.00	19.77	<=34.77	Pass
		25	0	21.78	0.00	19.63	<=34.77	Pass
	713.5	1	0	22.56	0.00	20.41	<=34.77	Pass
			13	22.78	0.00	20.63	<=34.77	Pass
			24	22.64	0.00	20.49	<=34.77	Pass
		12	0	22.02	0.00	19.87	<=34.77	Pass
			6	21.93	0.00	19.78	<=34.77	Pass
			13	21.74	0.00	19.59	<=34.77	Pass
		25	0	21.95	0.00	19.80	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.72	0.00	21.57	<=34.77	Pass
			25	23.96	0.00	21.81	<=34.77	Pass
			49	23.95	0.00	21.80	<=34.77	Pass
		25	0	23.06	0.00	20.91	<=34.77	Pass
			13	22.88	0.00	20.73	<=34.77	Pass
			25	23.09	0.00	20.94	<=34.77	Pass
		50	0	23.07	0.00	20.92	<=34.77	Pass
	707.5	1	0	23.71	0.00	21.56	<=34.77	Pass
			25	24.17	0.00	22.02	<=34.77	Pass
			49	23.91	0.00	21.76	<=34.77	Pass
		25	0	22.78	0.00	20.63	<=34.77	Pass
			13	22.89	0.00	20.74	<=34.77	Pass
			25	22.94	0.00	20.79	<=34.77	Pass
		50	0	22.90	0.00	20.75	<=34.77	Pass
	711	1	0	23.82	0.00	21.67	<=34.77	Pass
			25	24.10	0.00	21.95	<=34.77	Pass
			49	24.07	0.00	21.92	<=34.77	Pass
		25	0	22.66	0.00	20.51	<=34.77	Pass
			13	22.88	0.00	20.73	<=34.77	Pass
			25	22.68	0.00	20.53	<=34.77	Pass
		50	0	22.72	0.00	20.57	<=34.77	Pass
16QAM	704	1	0	22.59	0.00	20.44	<=34.77	Pass
			25	22.97	0.00	20.82	<=34.77	Pass
			49	22.79	0.00	20.64	<=34.77	Pass
		25	0	22.05	0.00	19.90	<=34.77	Pass
			13	21.91	0.00	19.76	<=34.77	Pass
			25	22.12	0.00	19.97	<=34.77	Pass
		50	0	22.04	0.00	19.89	<=34.77	Pass
	707.5	1	0	22.81	0.00	20.66	<=34.77	Pass
			25	23.12	0.00	20.97	<=34.77	Pass
			49	23.00	0.00	20.85	<=34.77	Pass
		25	0	21.74	0.00	19.59	<=34.77	Pass
			13	21.87	0.00	19.72	<=34.77	Pass
			25	21.92	0.00	19.77	<=34.77	Pass
		50	0	21.85	0.00	19.70	<=34.77	Pass
	711	1	0	23.19	0.00	21.04	<=34.77	Pass
			25	23.48	0.00	21.33	<=34.77	Pass
			49	23.28	0.00	21.13	<=34.77	Pass
		25	0	21.63	0.00	19.48	<=34.77	Pass
			13	21.87	0.00	19.72	<=34.77	Pass
			25	21.68	0.00	19.53	<=34.77	Pass
		50	0	21.65	0.00	19.50	<=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	-5.250	-0.0075	-2.5 to 2.5	Pass
					3.85	-7.110	-0.0102	-2.5 to 2.5	Pass
					4.43	-9.327	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-8.698	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-7.467	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-7.925	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-9.899	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-7.210	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-8.426	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0056	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-9.913	-0.0140	-2.5 to 2.5	Pass
					3.85	-5.236	-0.0074	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-7.625	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-7.167	-0.0100	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0063	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-5.236	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-7.067	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-4.320	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-6.680	-0.0093	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-3.333	-0.0048	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0048	-2.5 to 2.5	Pass
					4.43	-7.524	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-10.157	-0.0145	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-3.862	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-10.486	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-7.424	-0.0106	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.186	0.0003	-2.5 to 2.5	Pass
					3.85	-6.652	-0.0094	-2.5 to 2.5	Pass
					4.43	-9.956	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-10.357	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-9.227	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-8.368	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass

				30	3.85	-3.791	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-6.924	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-4.320	-0.0060	-2.5 to 2.5	Pass
					3.85	-4.292	-0.0060	-2.5 to 2.5	Pass
					4.43	-7.854	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-10.085	-0.0141	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0094	-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	-6.294	-0.0090	-2.5 to 2.5	Pass
					3.85	-9.813	-0.0140	-2.5 to 2.5	Pass
					4.43	-8.955	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-9.084	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-9.127	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-9.384	-0.0134	-2.5 to 2.5	Pass
				10	3.85	-9.742	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-4.792	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-4.463	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0076	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-10.457	-0.0148	-2.5 to 2.5	Pass
					3.85	-5.336	-0.0075	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-7.238	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-8.497	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-7.954	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0077	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-5.665	-0.0079	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
					4.43	-0.615	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.090	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-6.952	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.781	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-5.879	-0.0082	-2.5 to 2.5	Pass

				30	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-7.982	-0.0112	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-0.744	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.272	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-4.420	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-11.816	-0.0169	-2.5 to 2.5	Pass
				50	3.85	-11.544	-0.0165	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-6.137	-0.0087	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0029	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.791	-0.0054	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.290	-0.0046	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0064	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-9.356	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.661	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.433	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0103	-2.5 to 2.5	Pass
				50	3.85	-6.924	-0.0097	-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	-2.117	-0.0030	-2.5 to 2.5	Pass
					3.85	-1.945	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-2.847	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-8.054	-0.0115	-2.5 to 2.5	Pass

				30	3.85	-8.411	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-7.610	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0063	-2.5 to 2.5	Pass
					3.27	-6.194	-0.0088	-2.5 to 2.5	Pass
				20	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
					4.43	-4.263	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-6.108	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
	707.5	25	0	-10	3.85	-2.947	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
				50	3.85	1.187	0.0017	-2.5 to 2.5	Pass
					3.27	-6.237	-0.0087	-2.5 to 2.5	Pass
				20	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0028	-2.5 to 2.5	Pass
	713.5	25	0	-10	3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-6.552	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-2.861	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-8.497	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-7.496	-0.0105	-2.5 to 2.5	Pass
					3.27	-3.791	-0.0054	-2.5 to 2.5	Pass
				20	3.85	-2.832	-0.0040	-2.5 to 2.5	Pass
					4.43	-9.255	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-9.370	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-9.069	-0.0129	-2.5 to 2.5	Pass
	701.5	25	0	-10	3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-5.121	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0080	-2.5 to 2.5	Pass
					3.27	-7.982	-0.0113	-2.5 to 2.5	Pass
				20	3.85	-8.411	-0.0119	-2.5 to 2.5	Pass
					4.43	-9.799	-0.0139	-2.5 to 2.5	Pass
16QAM				-30	3.85	-8.097	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-8.311	-0.0117	-2.5 to 2.5	Pass
	707.5	25	0	-10	3.85	-8.540	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-7.024	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-9.785	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-10.157	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-9.270	-0.0131	-2.5 to 2.5	Pass
					3.27	-4.992	-0.0070	-2.5 to 2.5	Pass
				20	3.85	-2.503	-0.0035	-2.5 to 2.5	Pass
					4.43	-3.419	-0.0048	-2.5 to 2.5	Pass
	713.5	25	0	-30	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-13.103	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-9.670	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-9.627	-0.0135	-2.5 to 2.5	Pass

				30	3.85	-10.471	-0.0147	-2.5 to 2.5	Pass
				40	3.85	-11.172	-0.0157	-2.5 to 2.5	Pass
				50	3.85	-8.197	-0.0115	-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	-8.440	-0.0120	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
					4.43	-6.638	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.018	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-8.097	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-7.982	-0.0113	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-8.440	-0.0119	-2.5 to 2.5	Pass
					3.85	-9.456	-0.0134	-2.5 to 2.5	Pass
					4.43	-9.527	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-7.324	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-7.024	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-8.254	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-6.437	-0.0091	-2.5 to 2.5	Pass
					3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-2.732	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.574	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-6.752	-0.0095	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-4.334	-0.0062	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-10.300	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	-8.140	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-6.552	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0098	-2.5 to 2.5	Pass

				30	3.85	-8.597	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-4.950	-0.0070	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.544	-0.0008	-2.5 to 2.5	Pass
					3.85	-9.670	-0.0137	-2.5 to 2.5	Pass
					4.43	-8.483	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.307	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-4.177	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-5.565	-0.0079	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.367	-0.0104	-2.5 to 2.5	Pass
					3.85	-7.410	-0.0104	-2.5 to 2.5	Pass
					4.43	-6.466	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-9.398	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-9.270	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-9.899	-0.0139	-2.5 to 2.5	Pass
				0	3.85	-9.212	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass

3. Modulation Characteristics

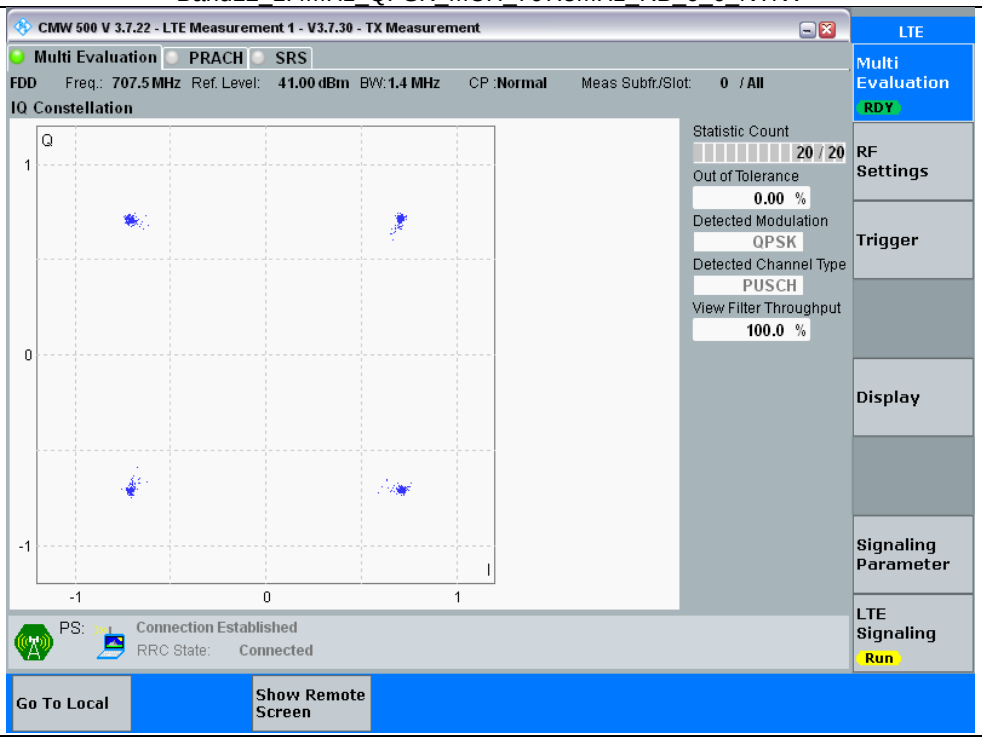
3.1 B12_1.4MHz

3.1.1 Test Result

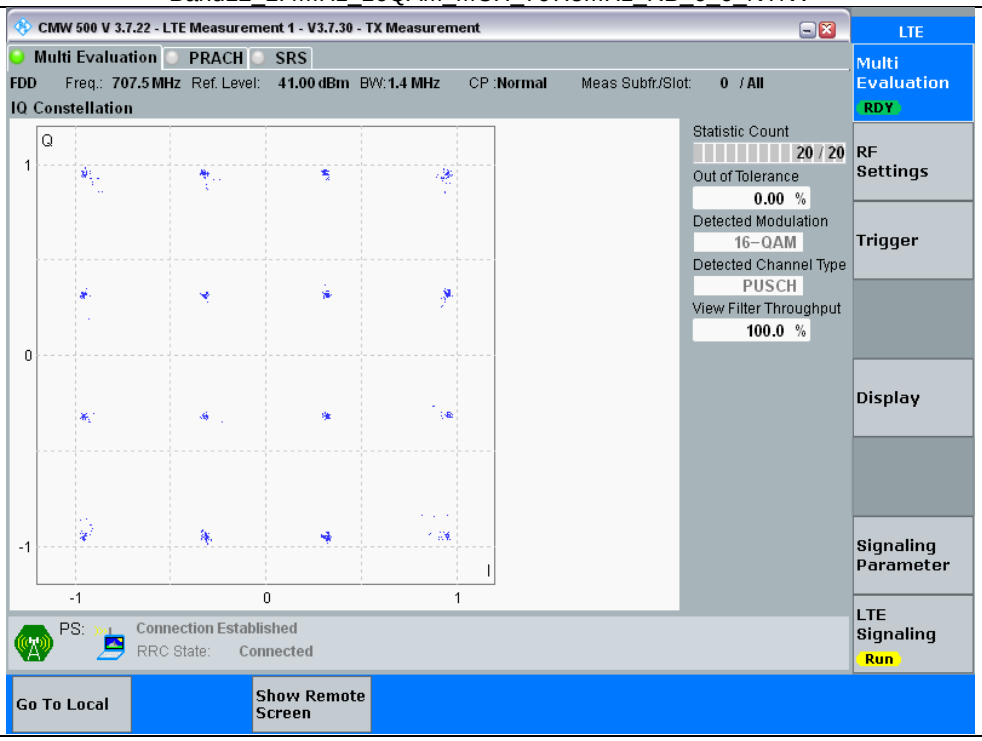
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

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



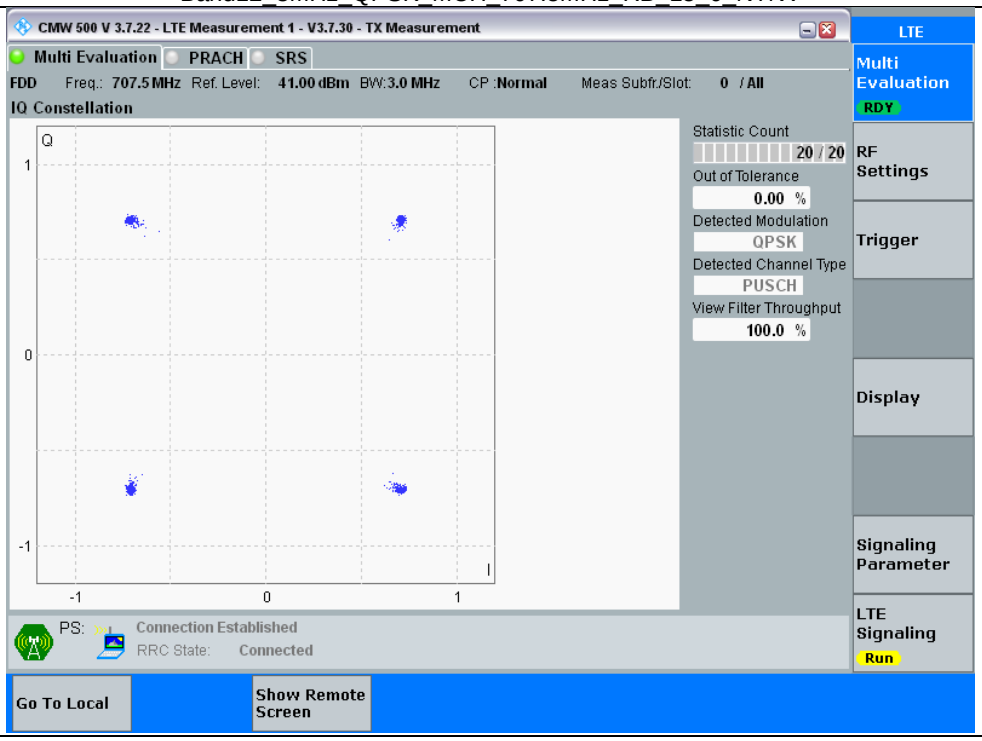
3.2 B12_3MHz

3.2.1 Test Result

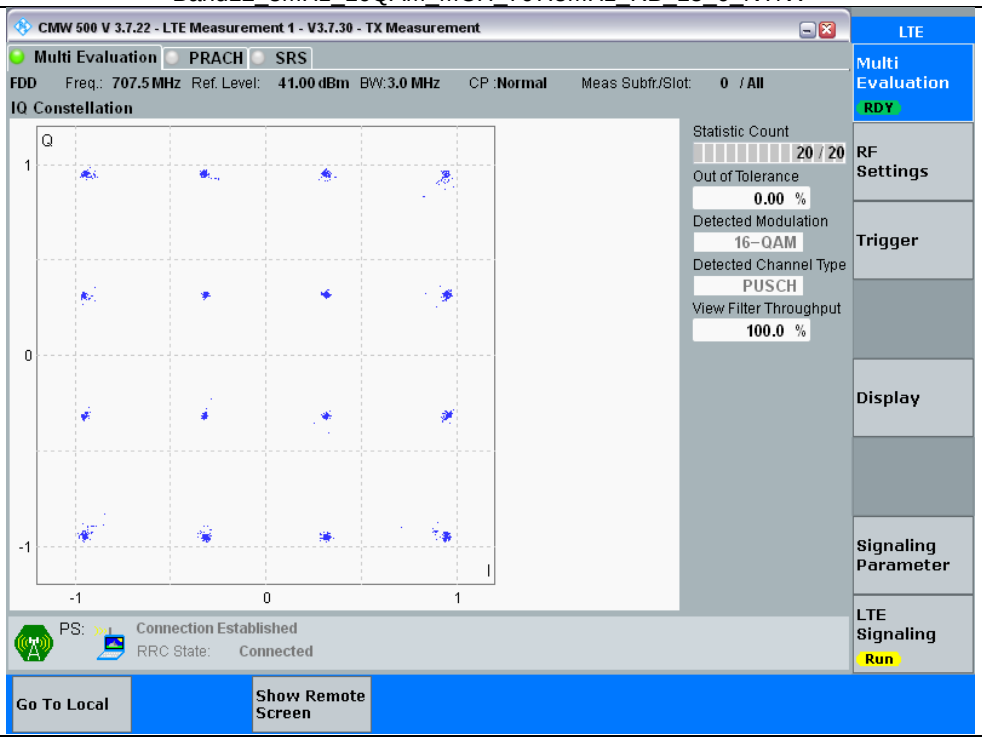
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

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



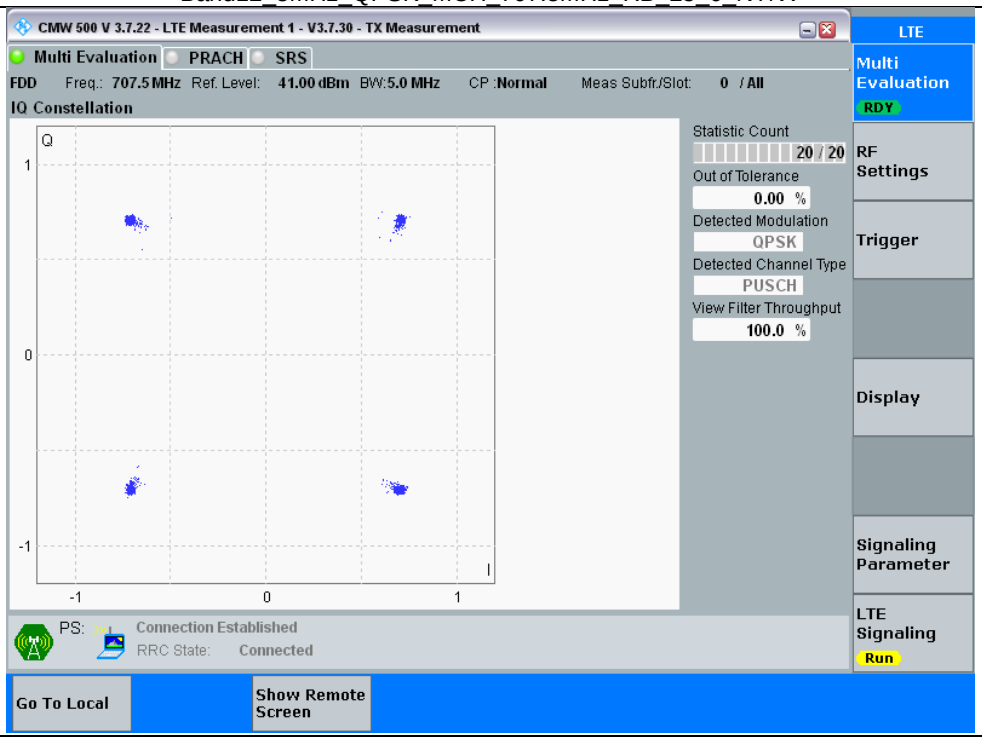
3.3 B12_5MHz

3.3.1 Test Result

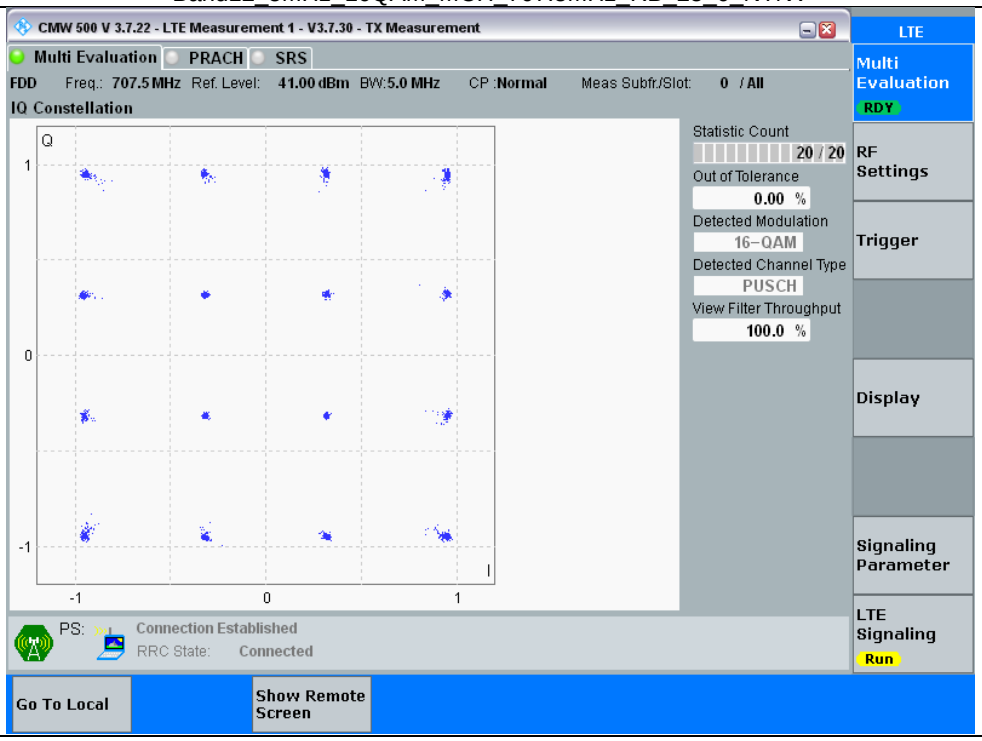
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

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



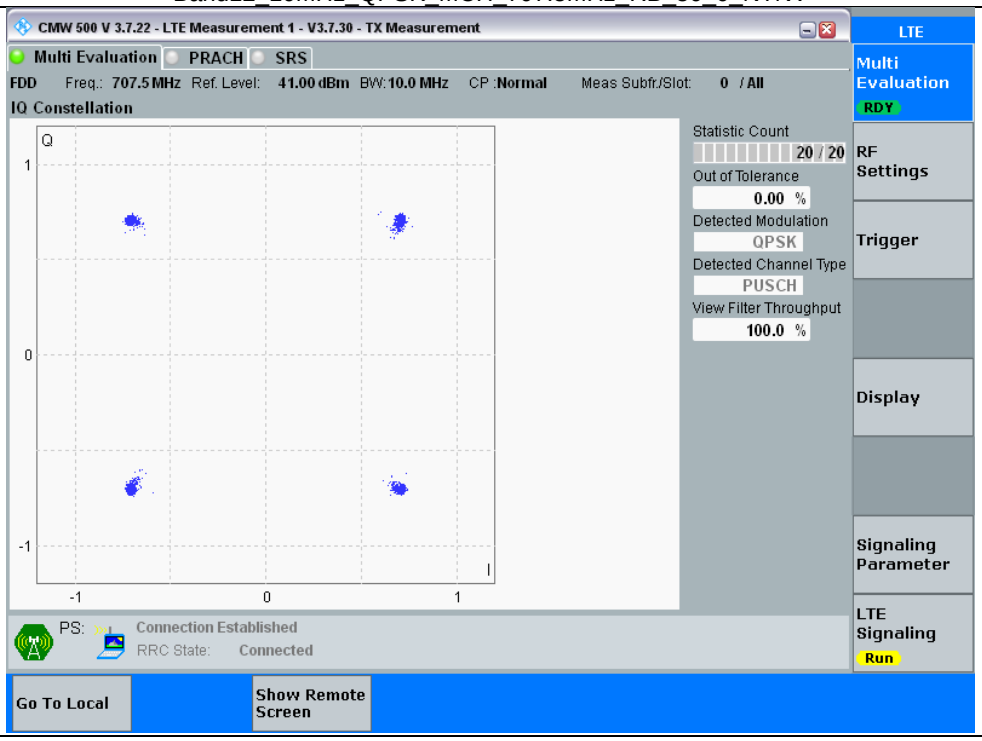
3.4 B12_10MHz

3.4.1 Test Result

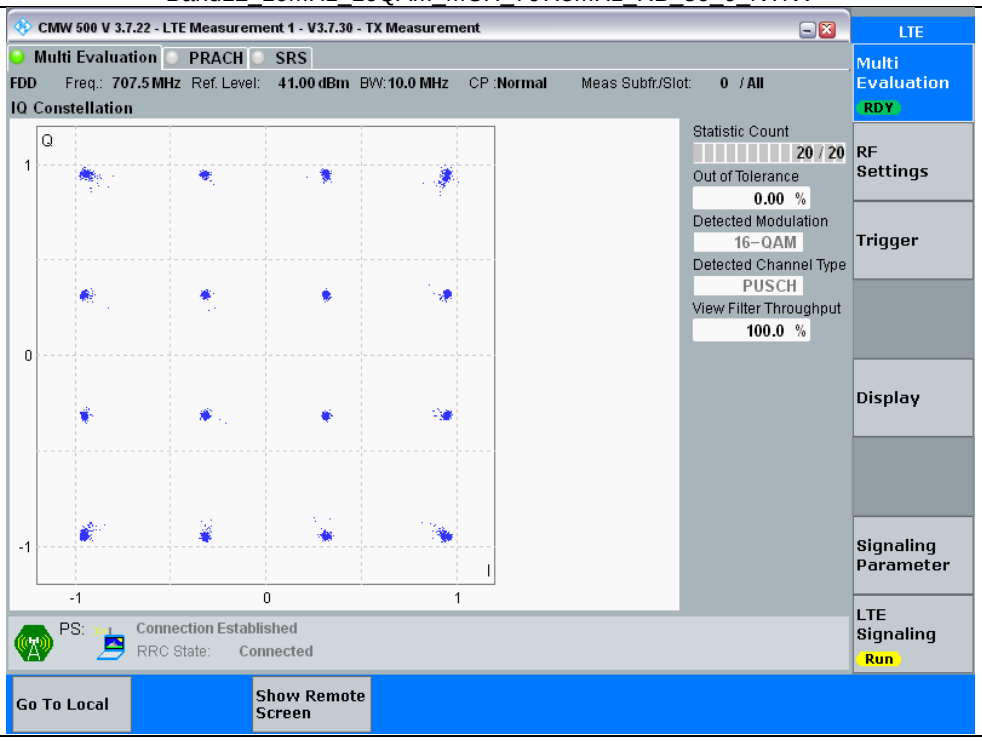
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

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

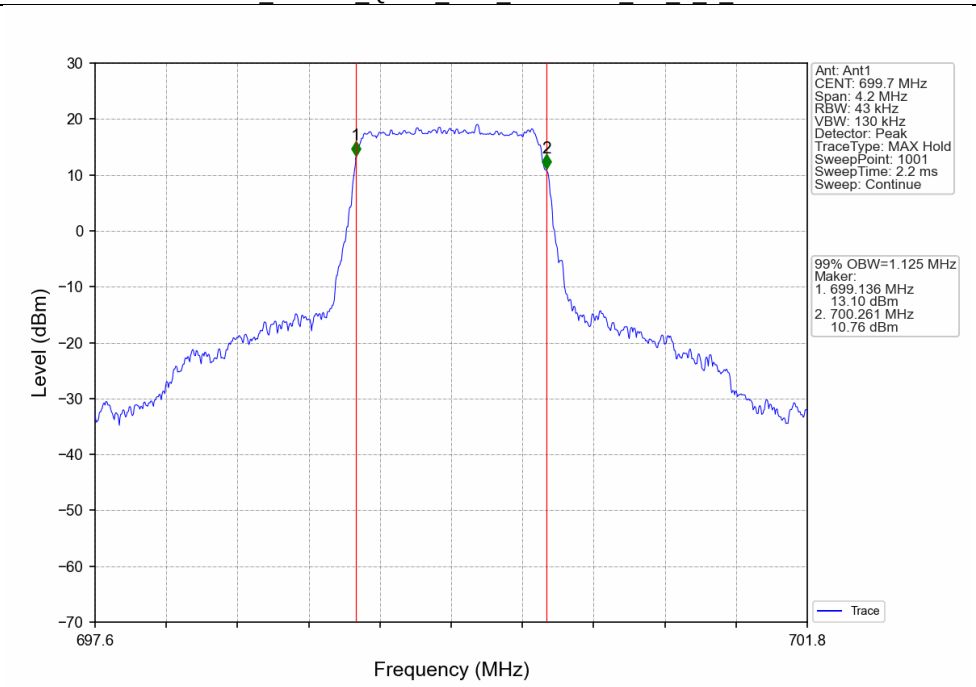
4.1 Band12_OBW

4.1.1 Test Result

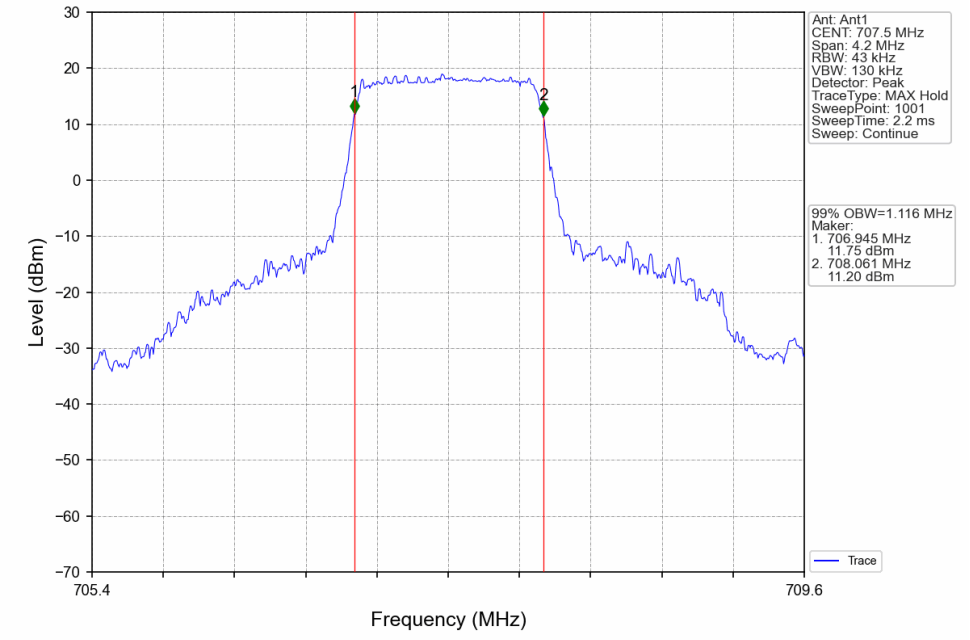
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.125	Pass
		707.5	6	0	1.116	Pass
		715.3	6	0	1.120	Pass
	16QAM	699.7	6	0	1.109	Pass
		707.5	6	0	1.101	Pass
		715.3	6	0	1.115	Pass
3	QPSK	700.5	15	0	2.729	Pass
		707.5	15	0	2.726	Pass
		714.5	15	0	2.733	Pass
	16QAM	700.5	15	0	2.719	Pass
		707.5	15	0	2.728	Pass
		714.5	15	0	2.735	Pass
5	QPSK	701.5	25	0	4.552	Pass
		707.5	25	0	4.572	Pass
		713.5	25	0	4.589	Pass
	16QAM	701.5	25	0	4.578	Pass
		707.5	25	0	4.577	Pass
		713.5	25	0	4.577	Pass
10	QPSK	704	50	0	9.148	Pass
		707.5	50	0	9.061	Pass
		711	50	0	9.005	Pass
	16QAM	704	50	0	9.126	Pass
		707.5	50	0	9.072	Pass
		711	50	0	9.024	Pass

4.1.2 Test Graph

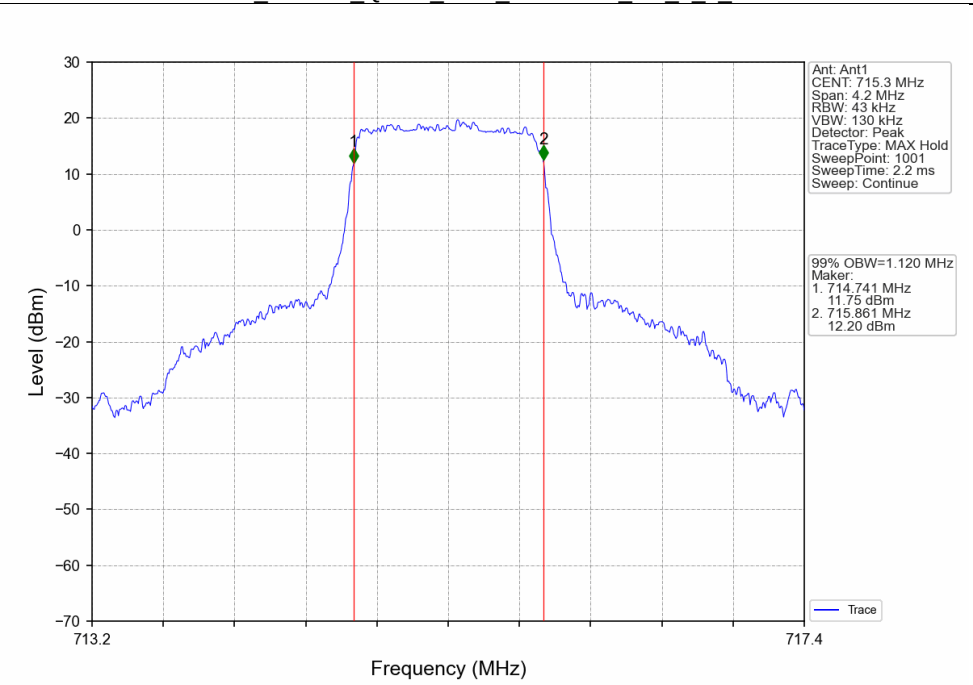
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



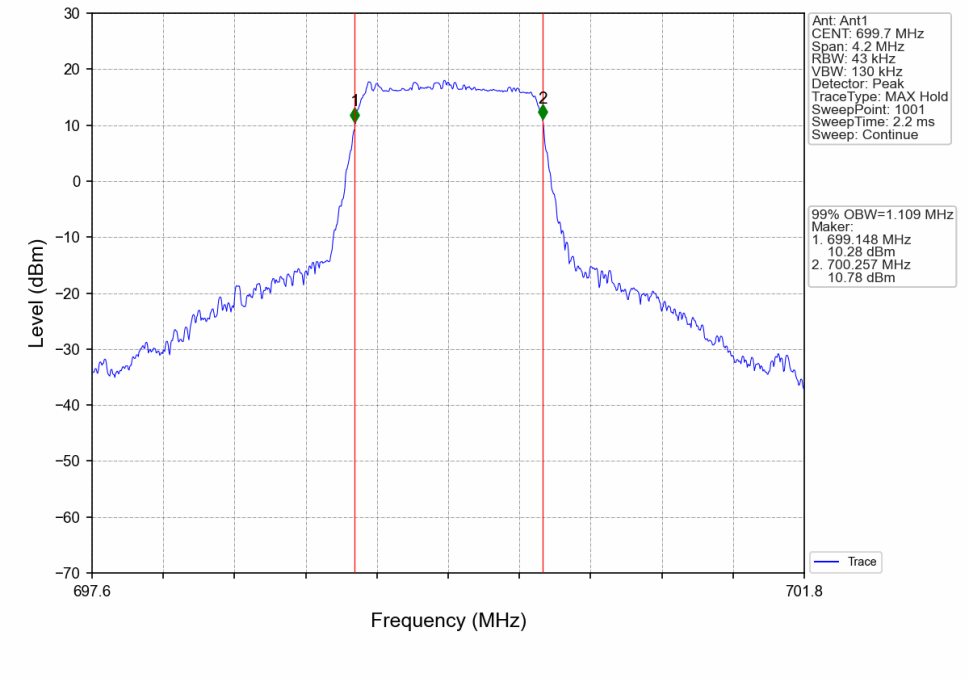
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



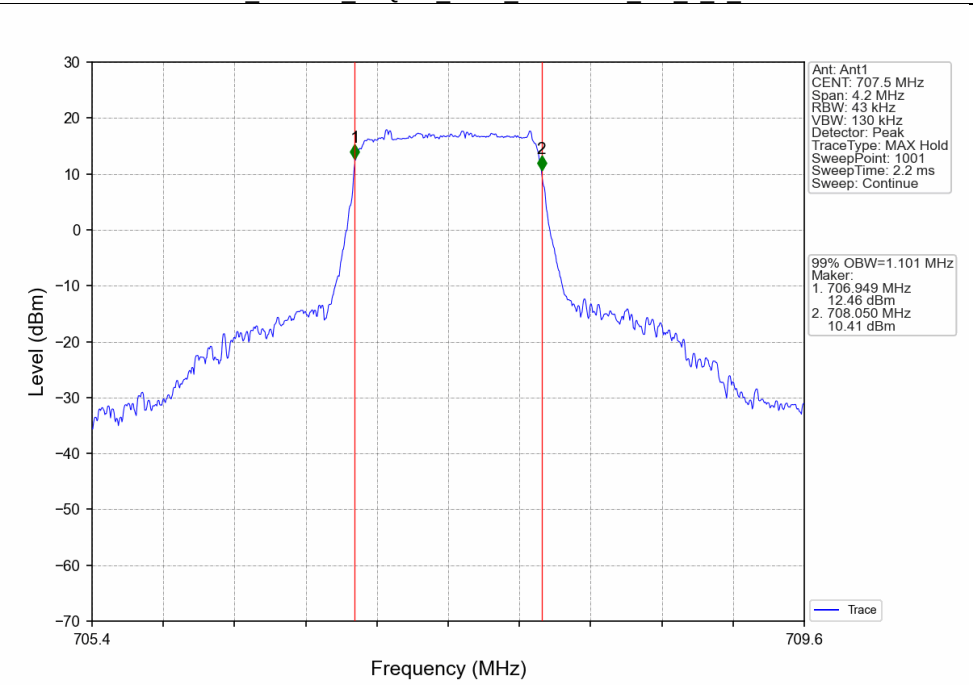
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



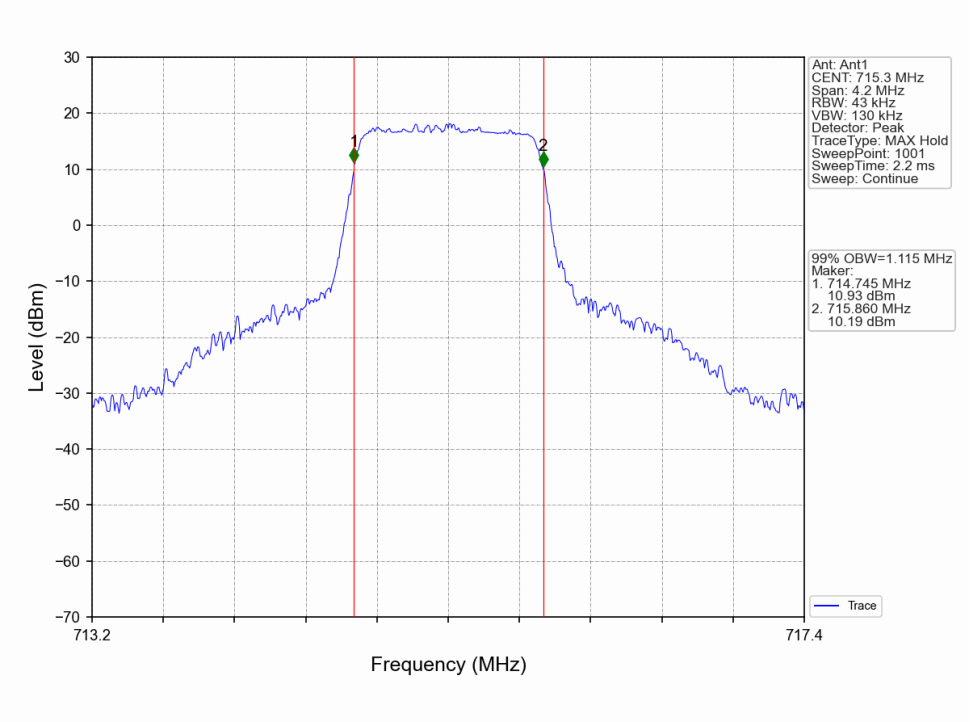
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



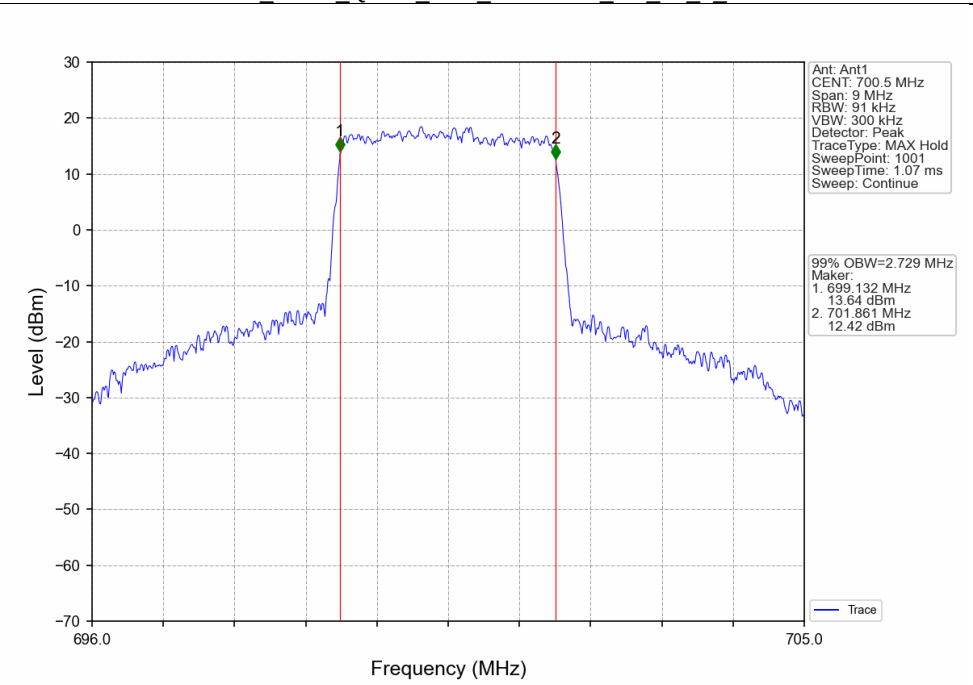
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



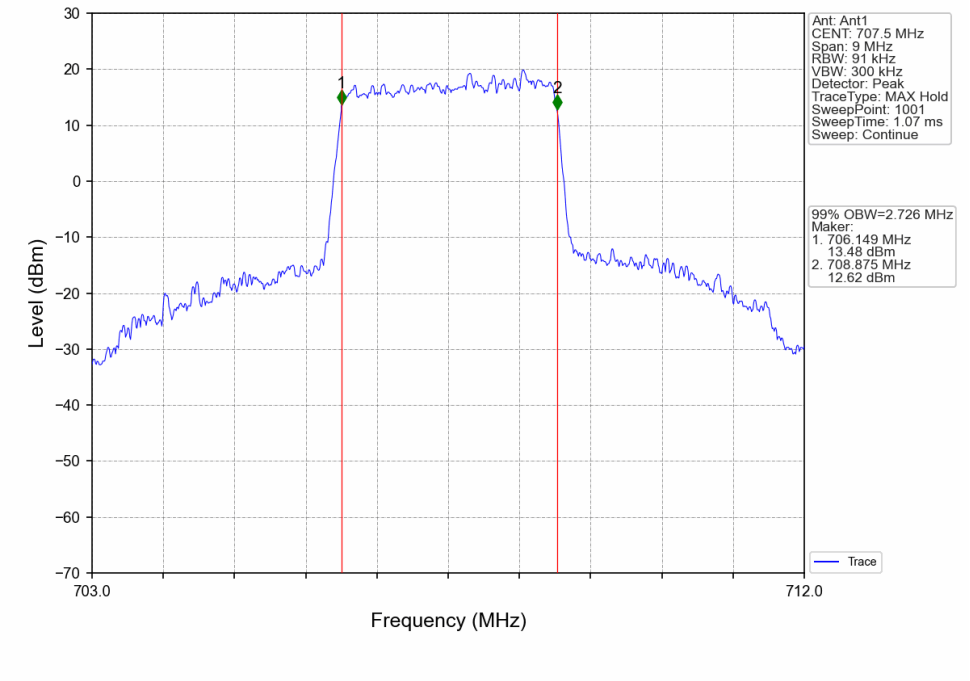
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



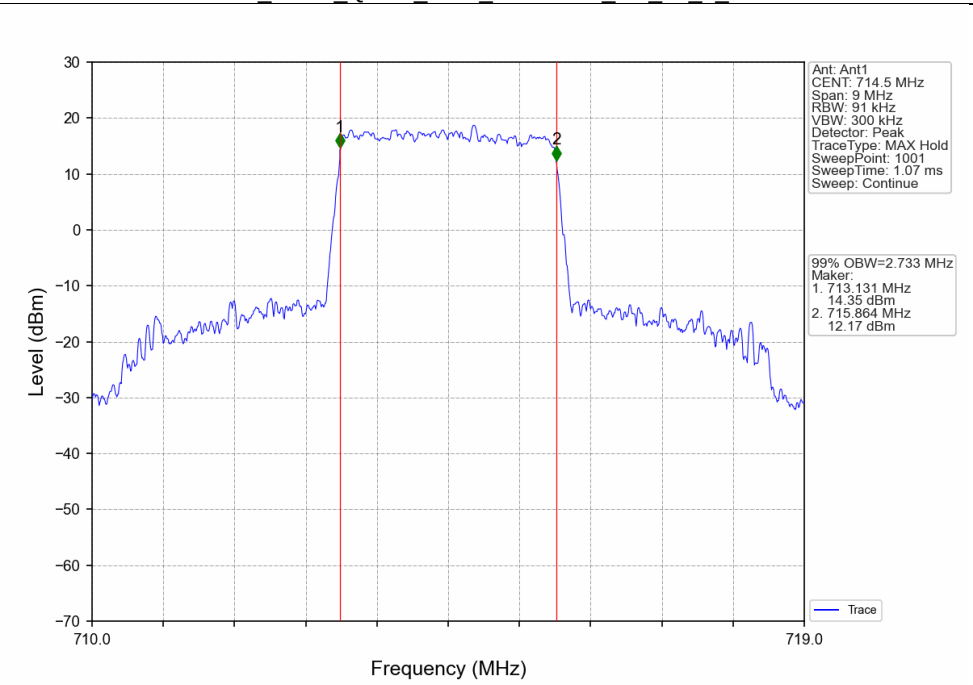
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



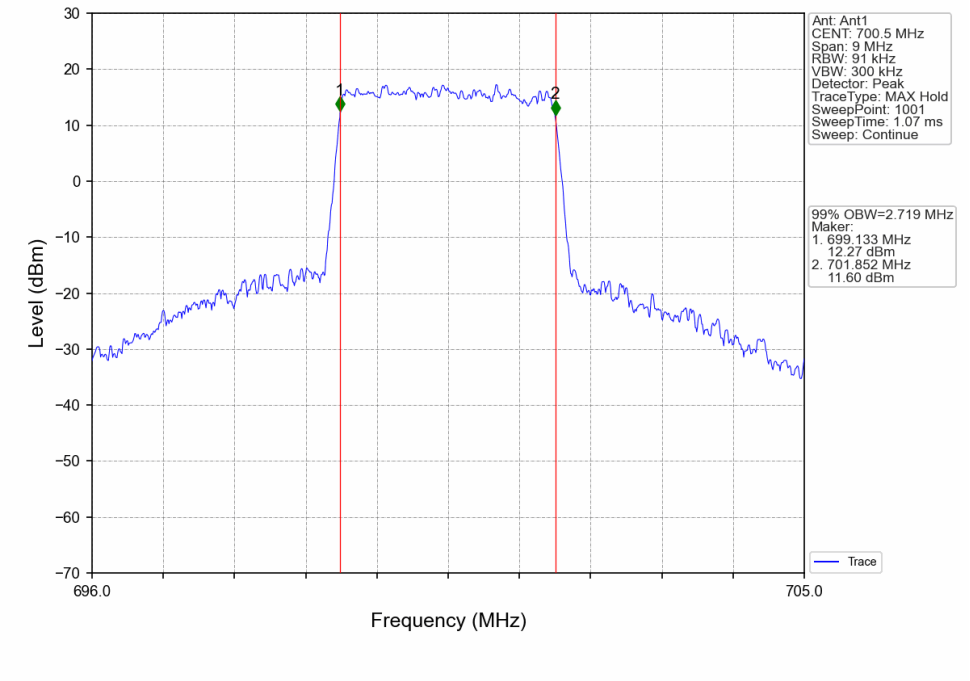
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



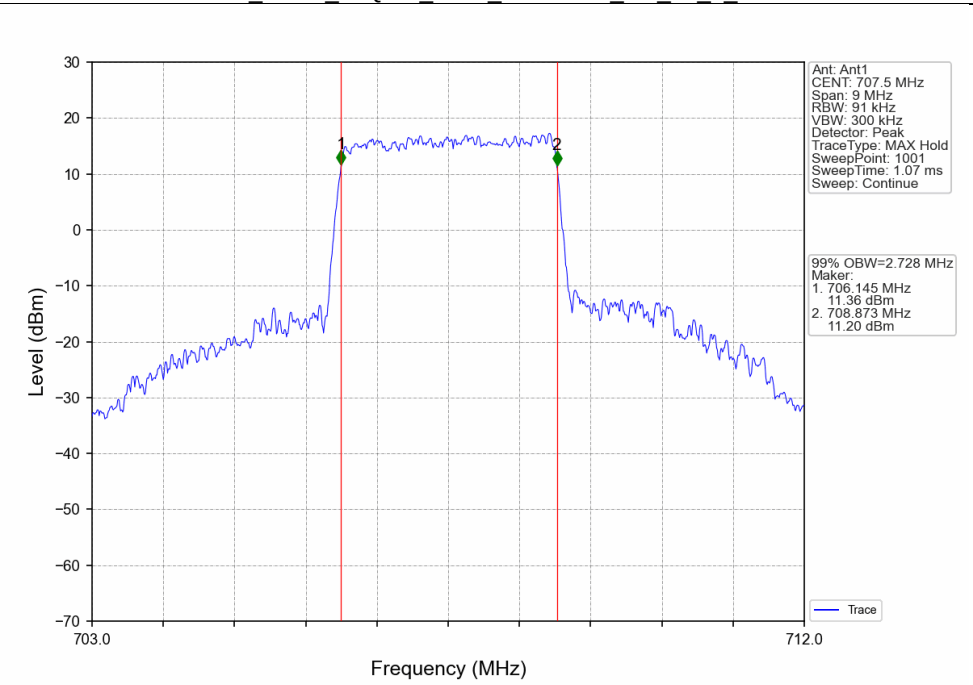
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



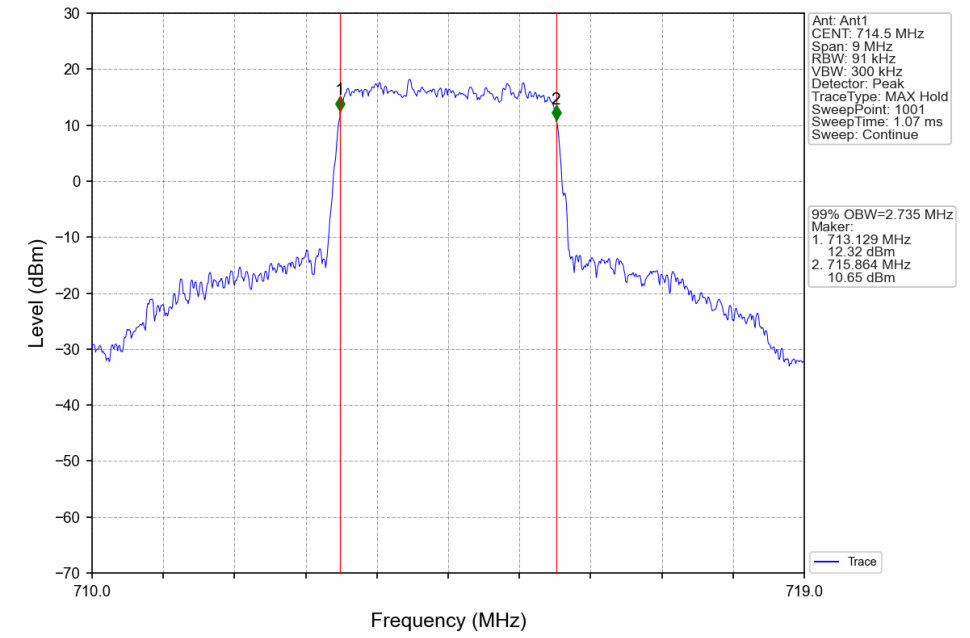
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



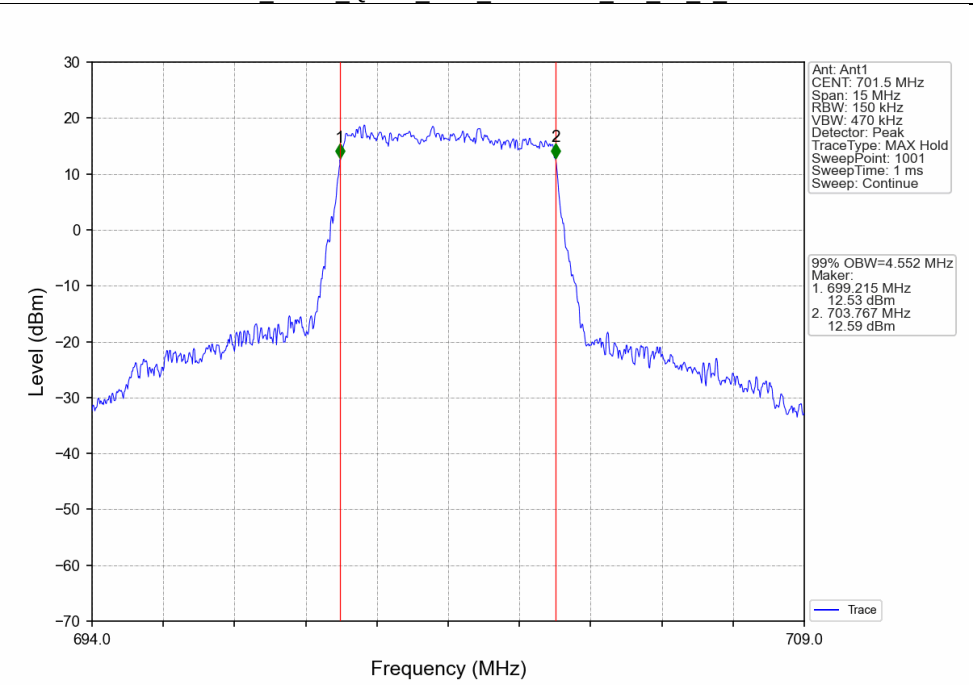
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



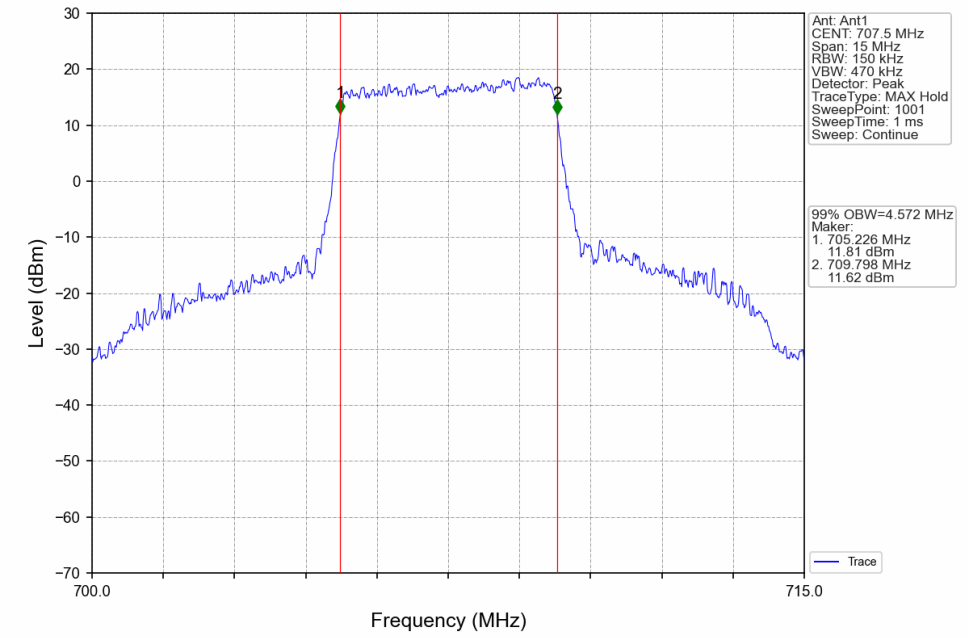
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



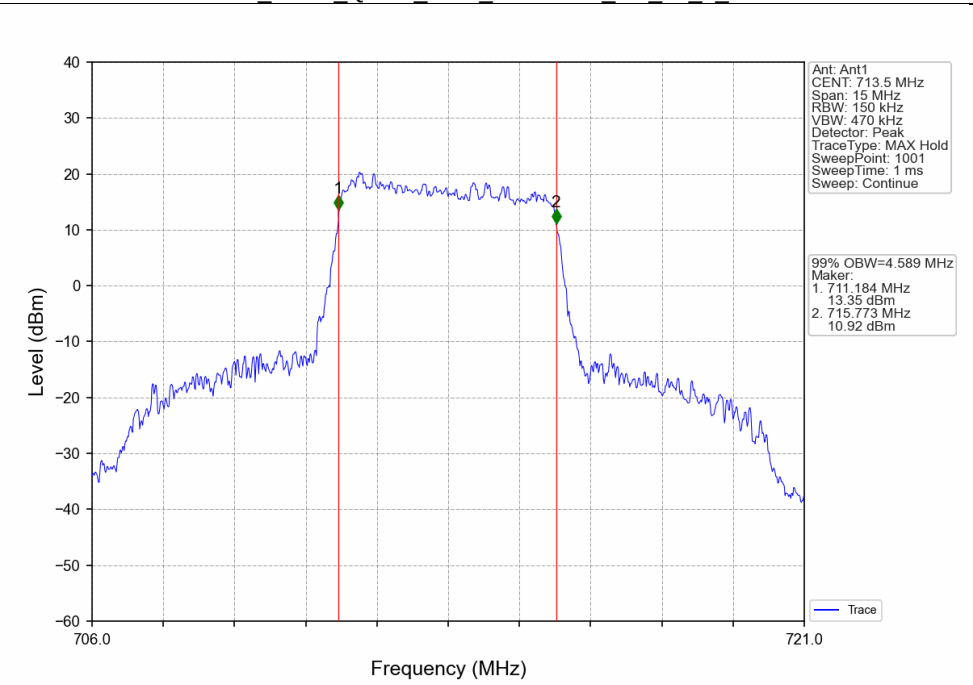
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



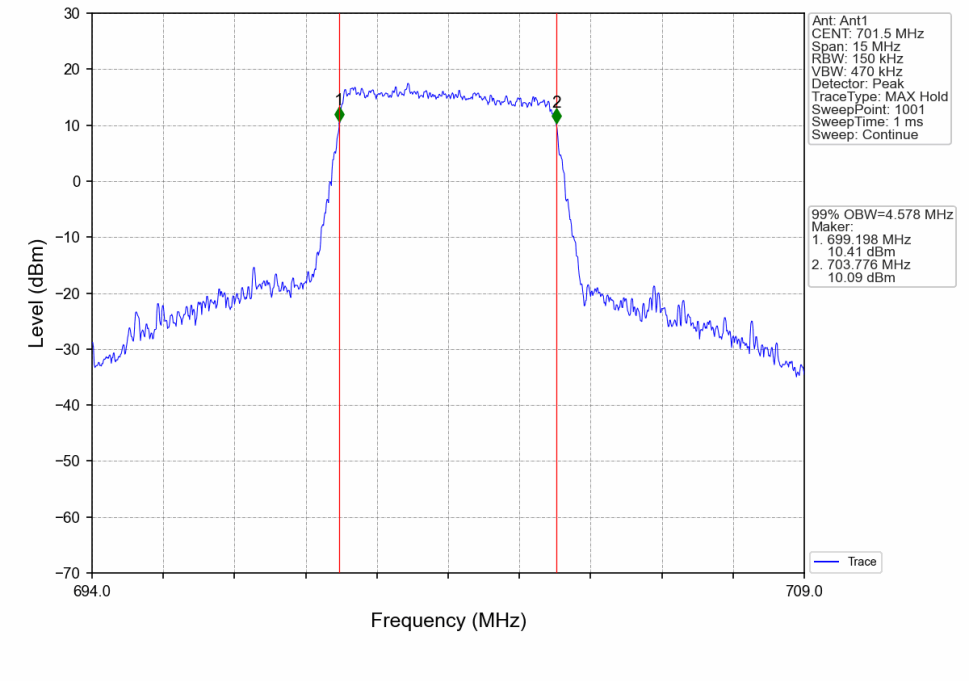
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



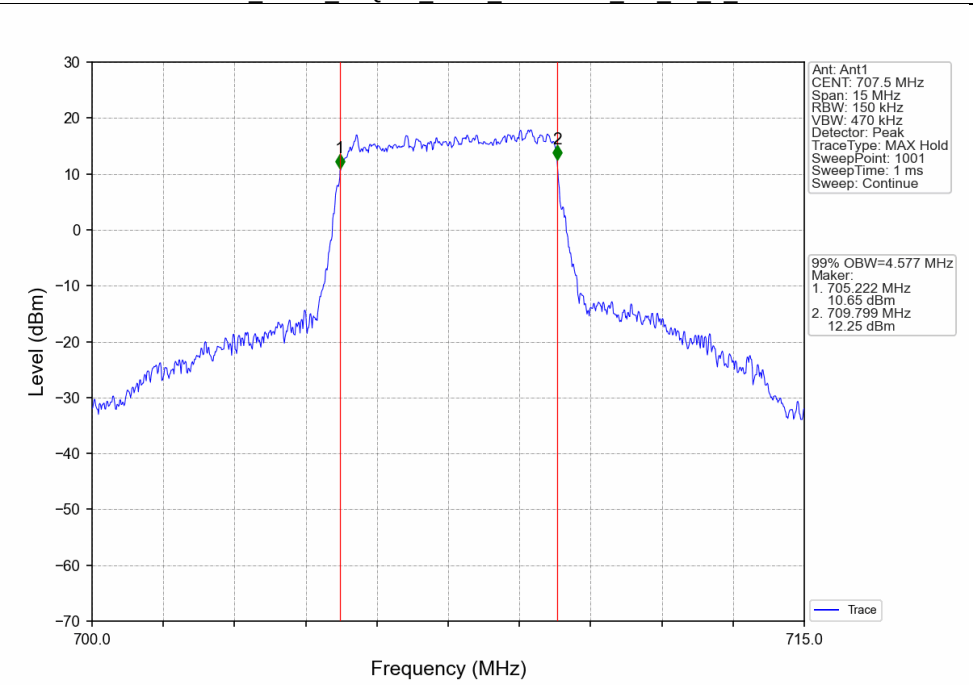
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



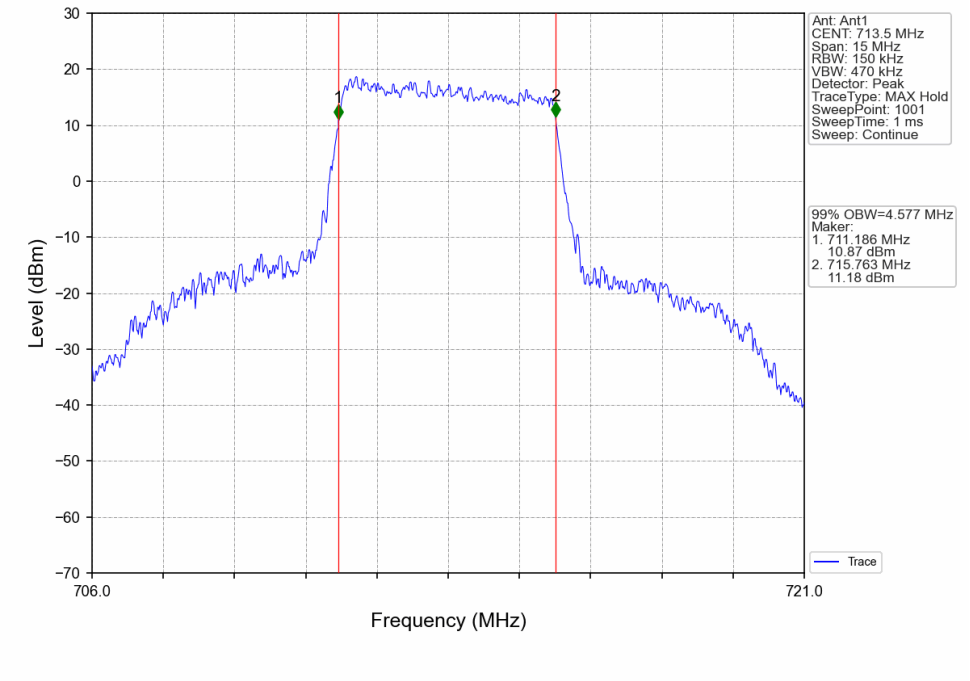
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



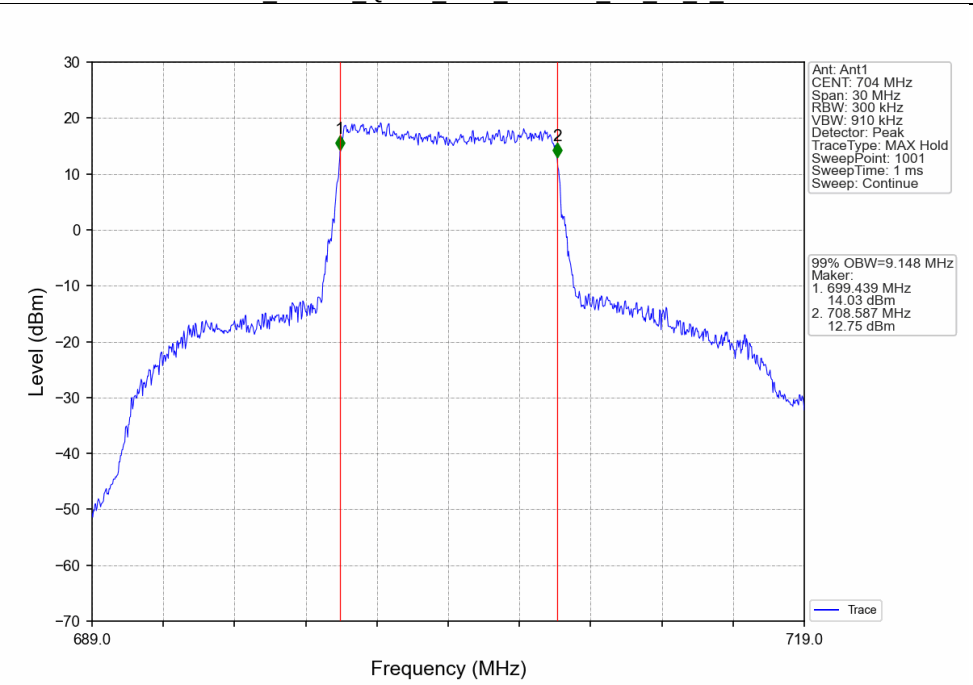
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



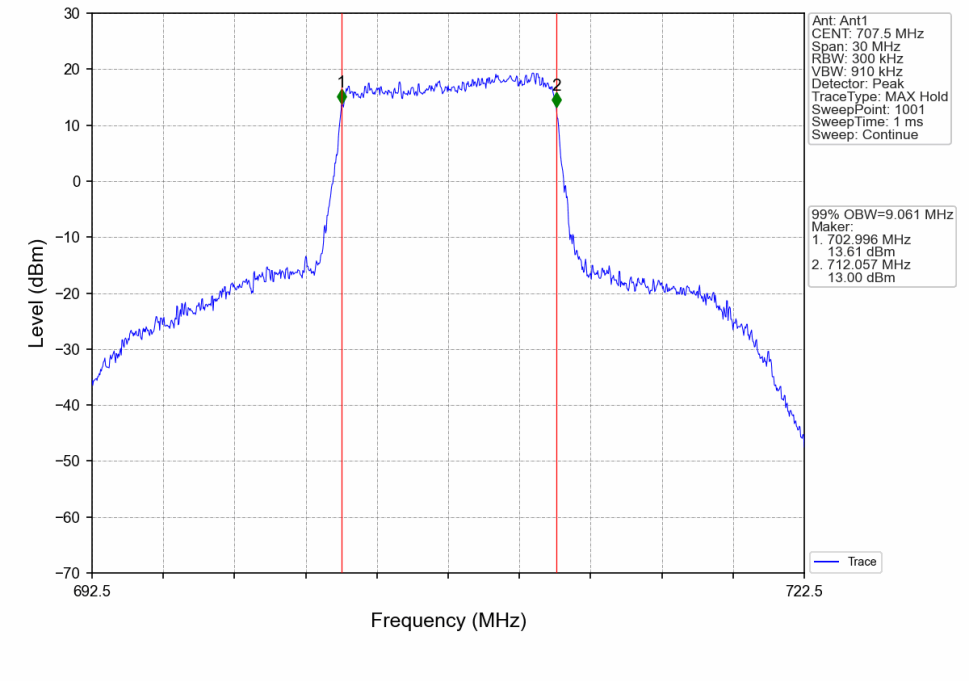
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



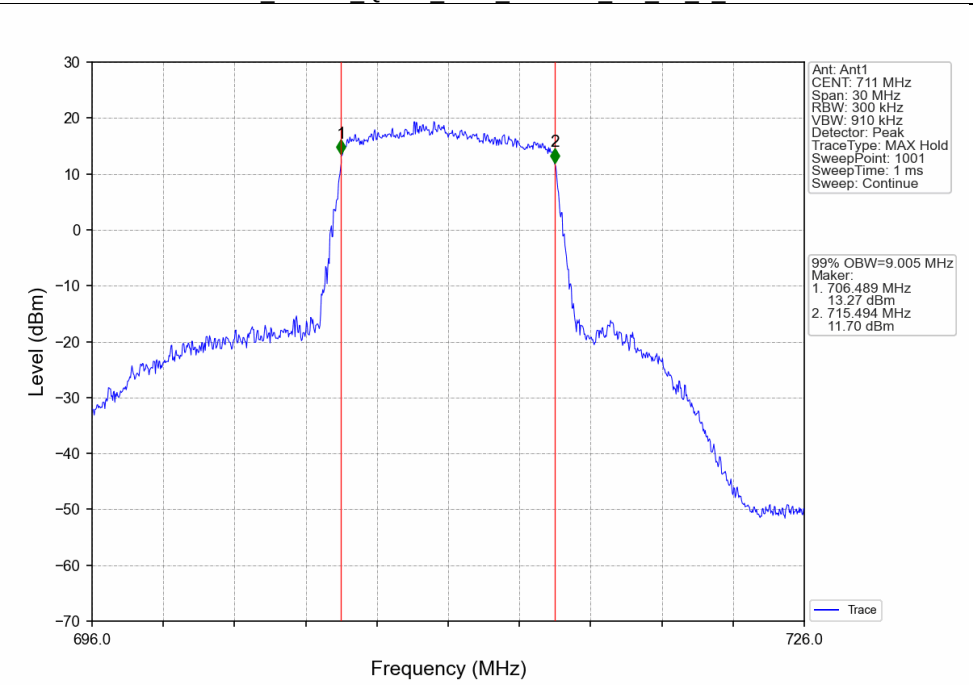
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



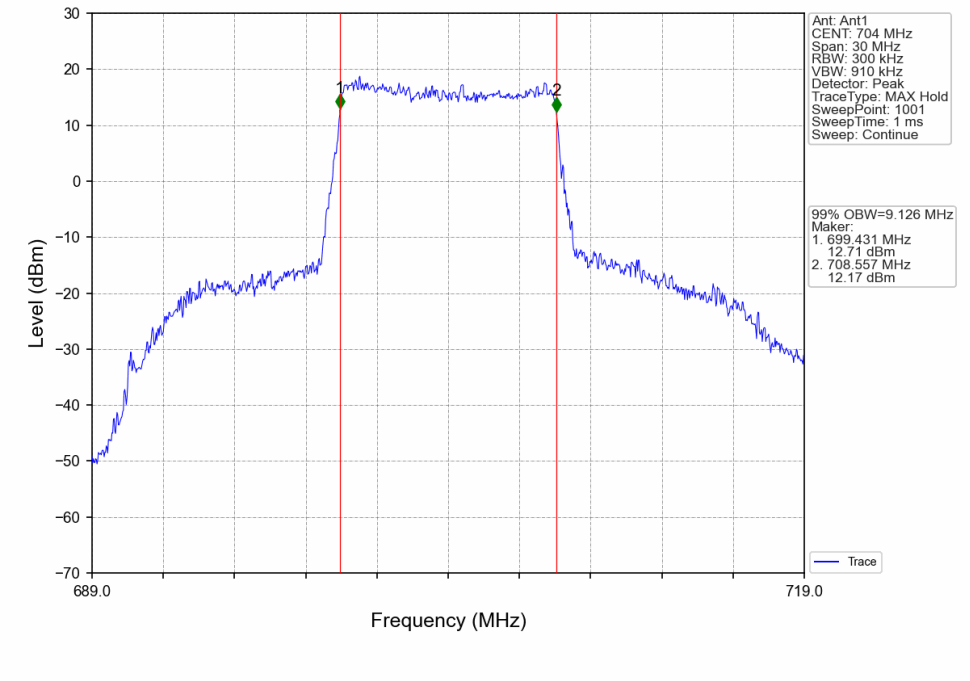
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



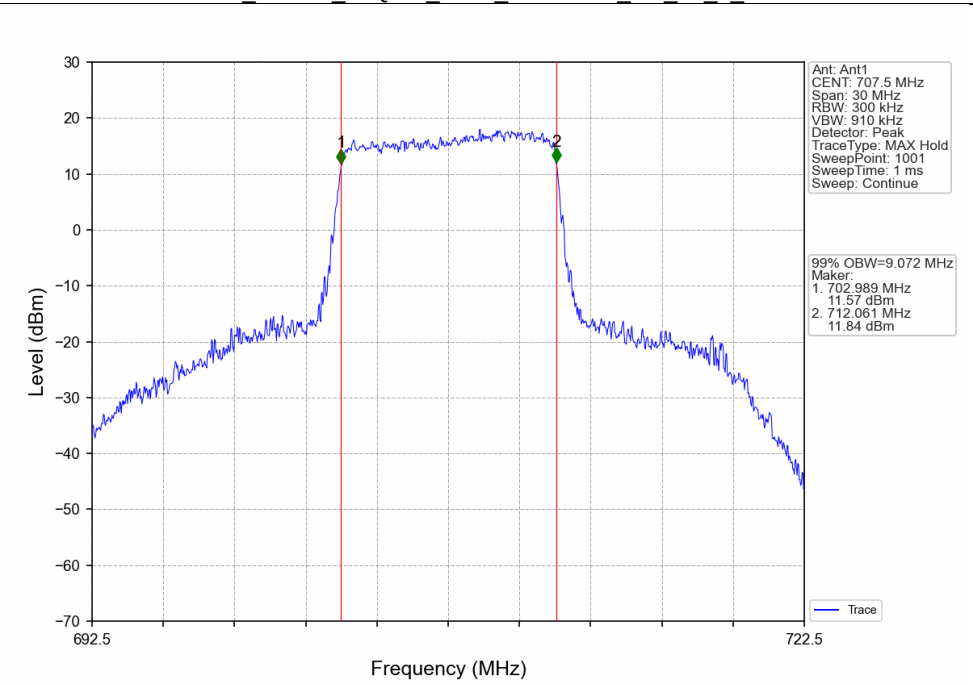
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



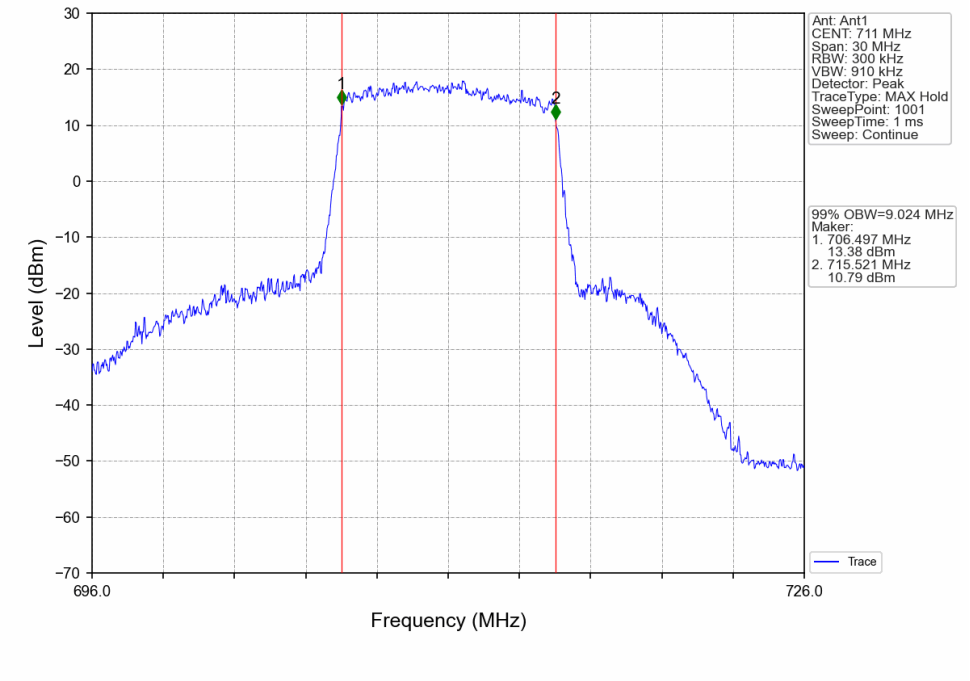
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



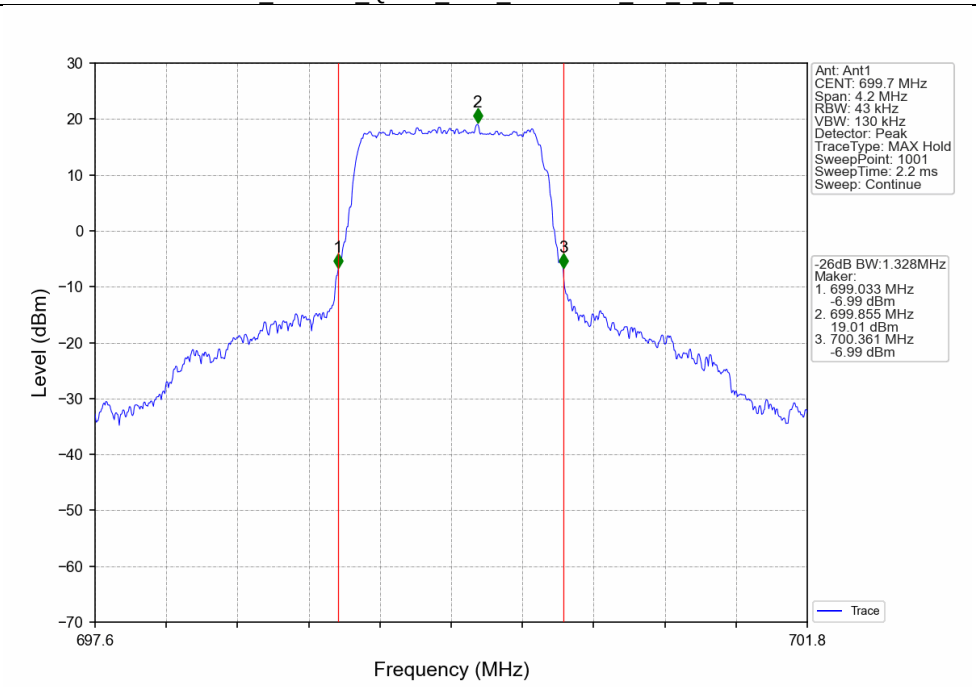
4.2 Band12_XDB

4.2.1 Test Result

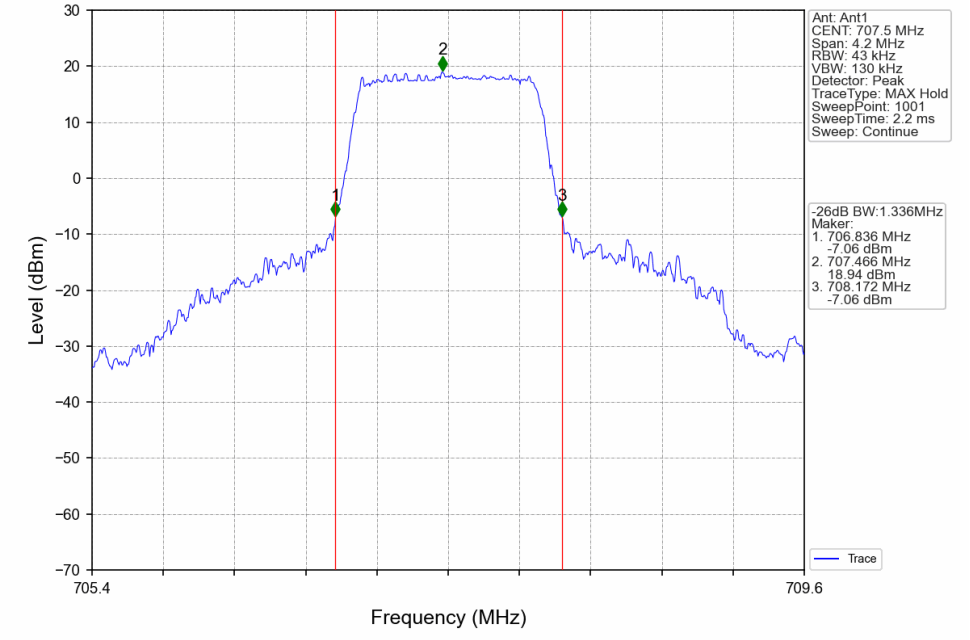
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.328	Pass
		707.5	6	0	1.336	Pass
		715.3	6	0	1.320	Pass
	16QAM	699.7	6	0	1.323	Pass
		707.5	6	0	1.300	Pass
		715.3	6	0	1.347	Pass
3	QPSK	700.5	15	0	2.988	Pass
		707.5	15	0	2.988	Pass
		714.5	15	0	3.020	Pass
	16QAM	700.5	15	0	2.995	Pass
		707.5	15	0	3.003	Pass
		714.5	15	0	3.007	Pass
5	QPSK	701.5	25	0	5.225	Pass
		707.5	25	0	5.266	Pass
		713.5	25	0	5.280	Pass
	16QAM	701.5	25	0	5.272	Pass
		707.5	25	0	5.269	Pass
		713.5	25	0	5.234	Pass
10	QPSK	704	50	0	10.357	Pass
		707.5	50	0	10.174	Pass
		711	50	0	10.184	Pass
	16QAM	704	50	0	10.386	Pass
		707.5	50	0	10.252	Pass
		711	50	0	10.083	Pass

4.2.2 Test Graph

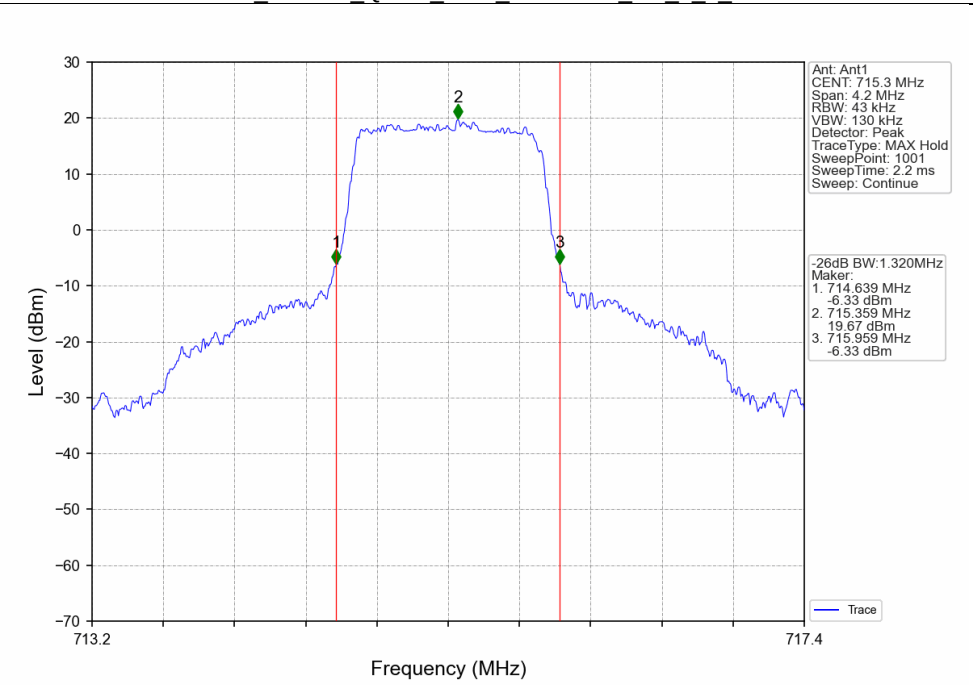
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



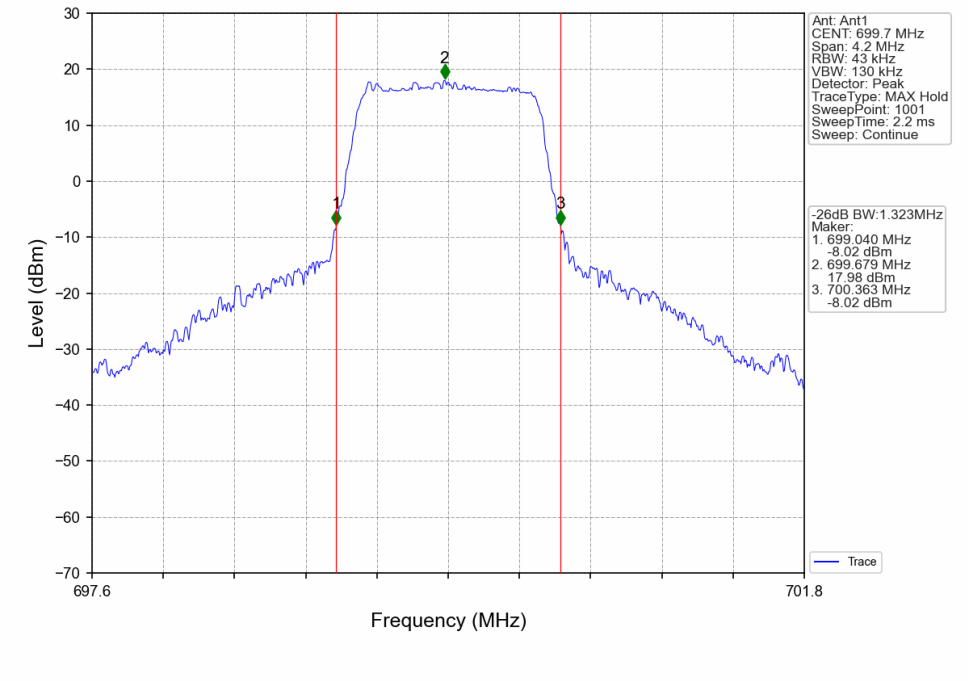
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



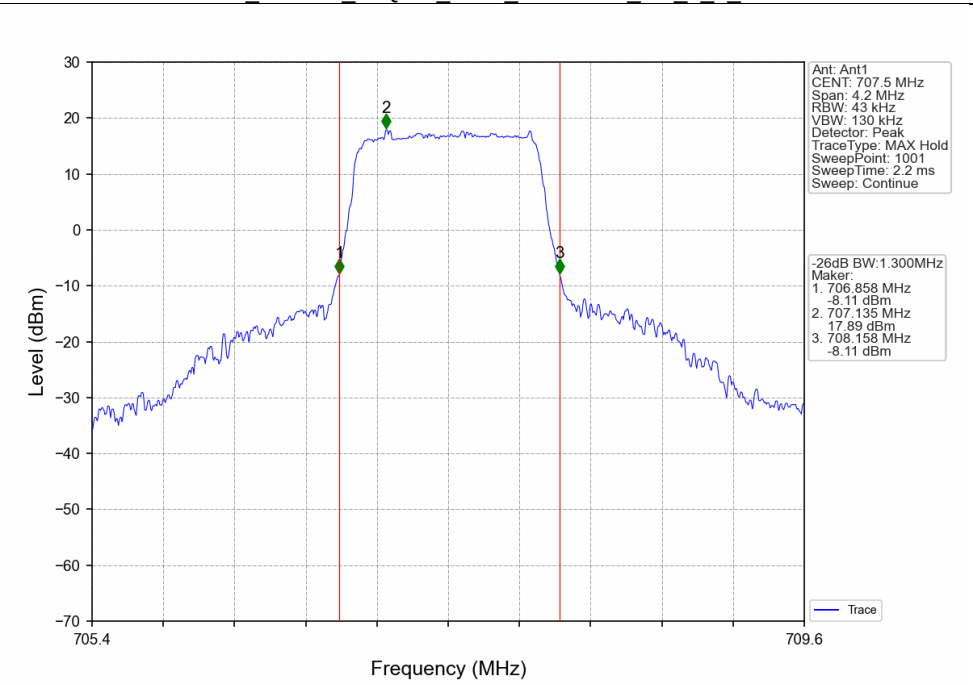
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



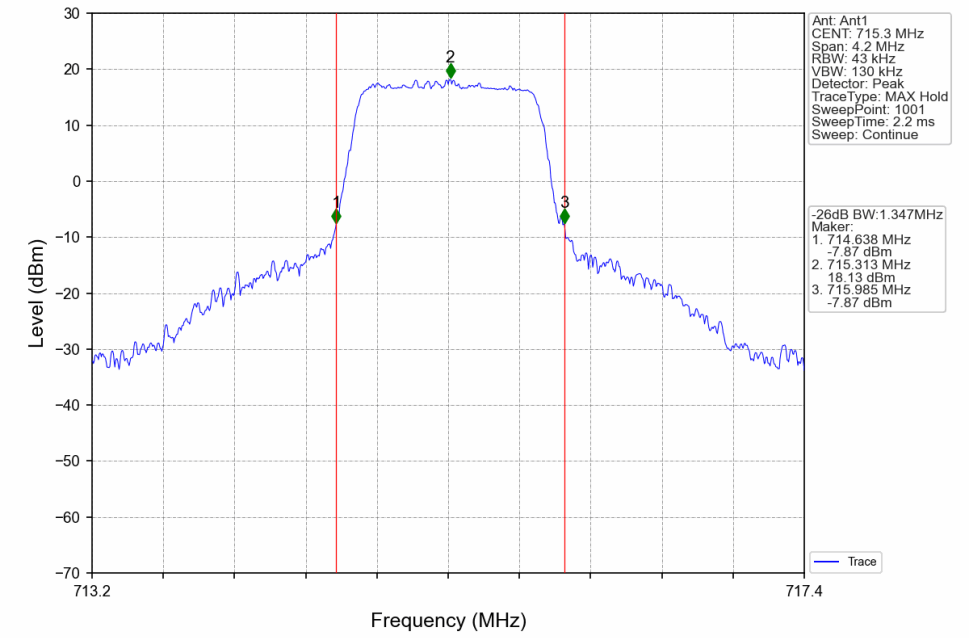
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



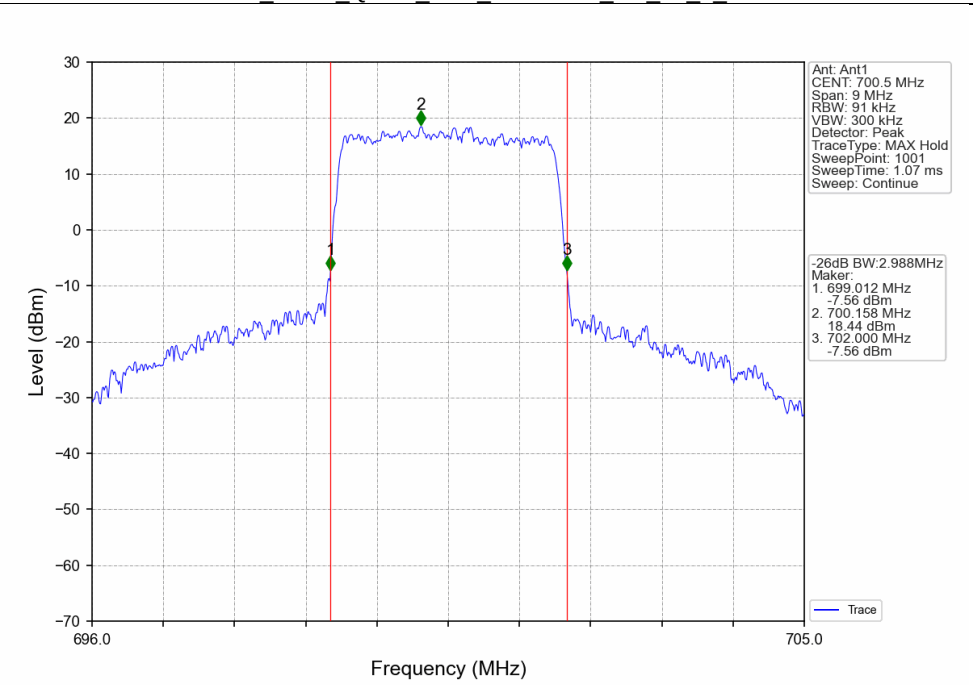
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



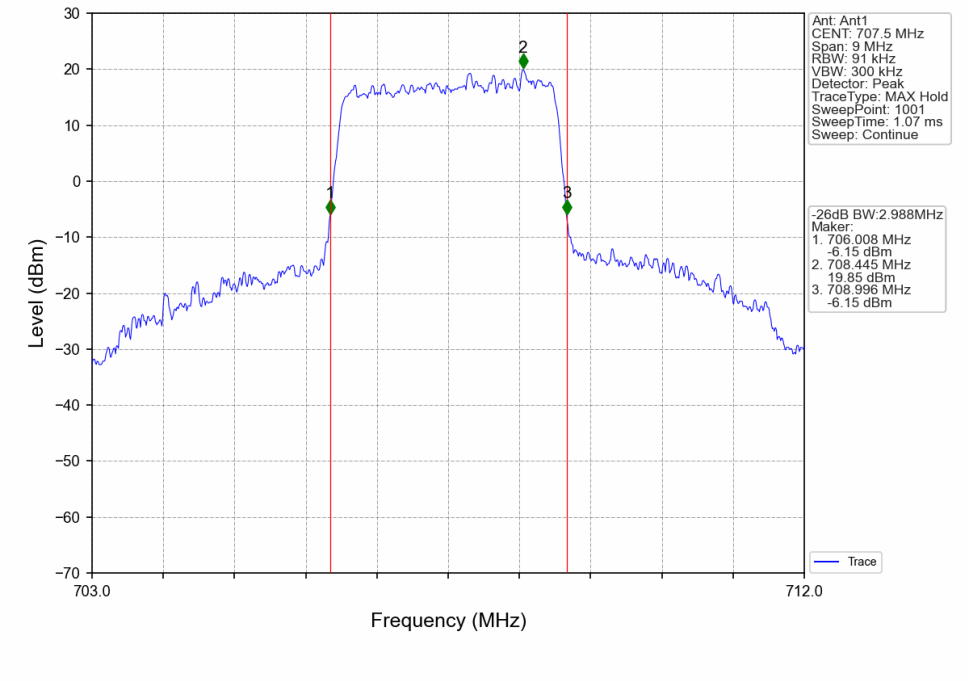
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



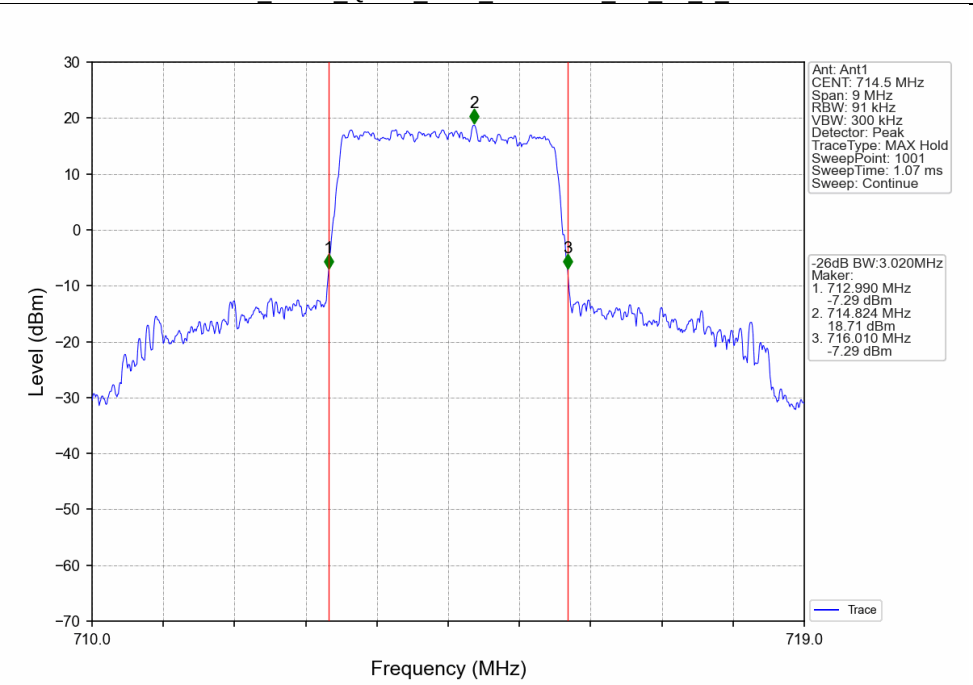
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



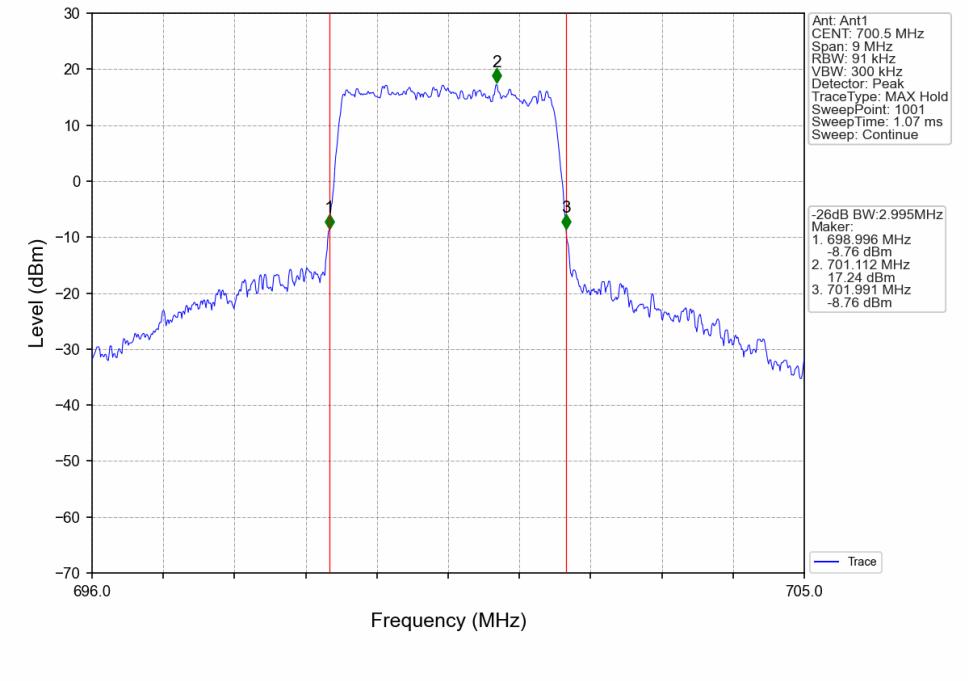
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



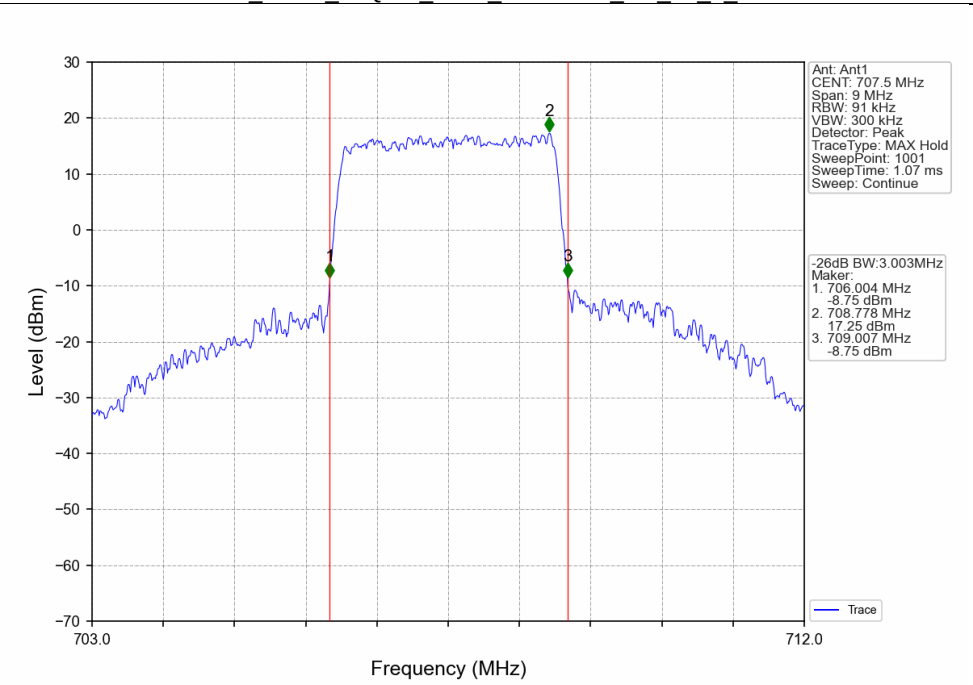
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



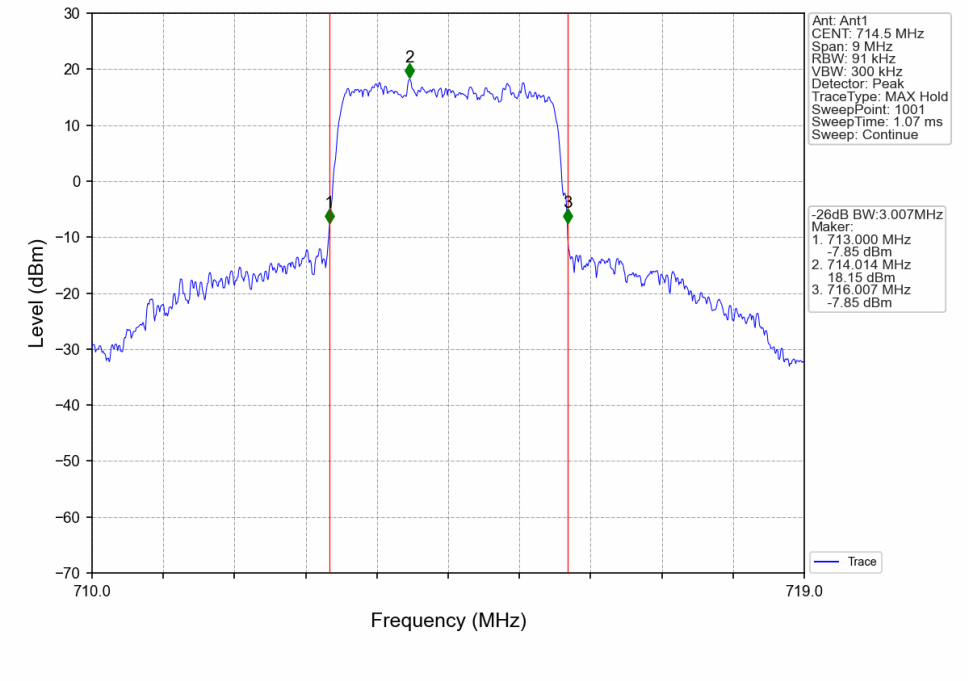
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



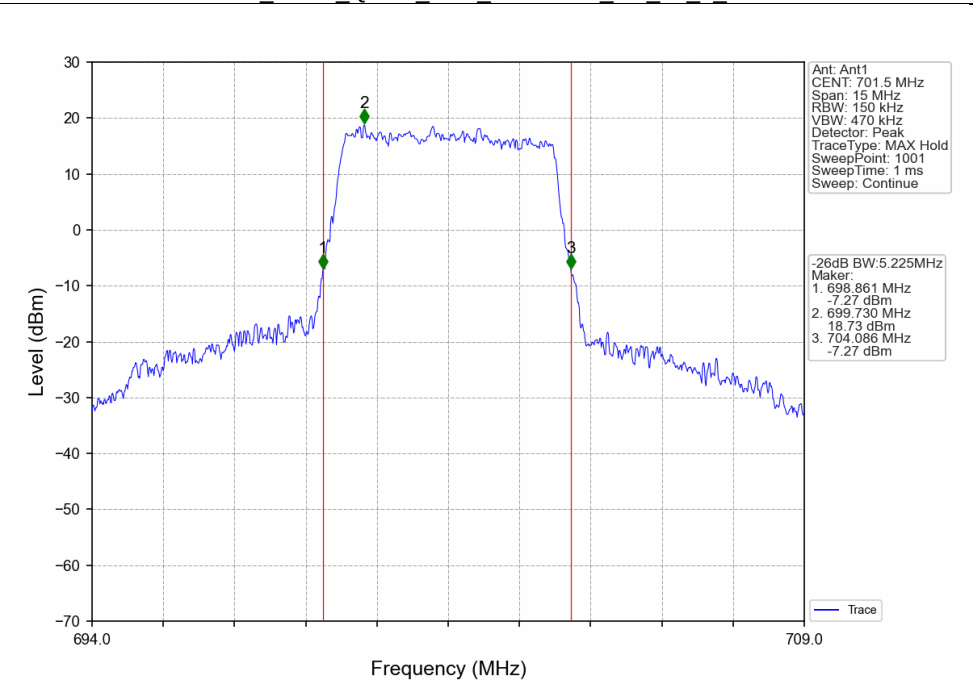
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



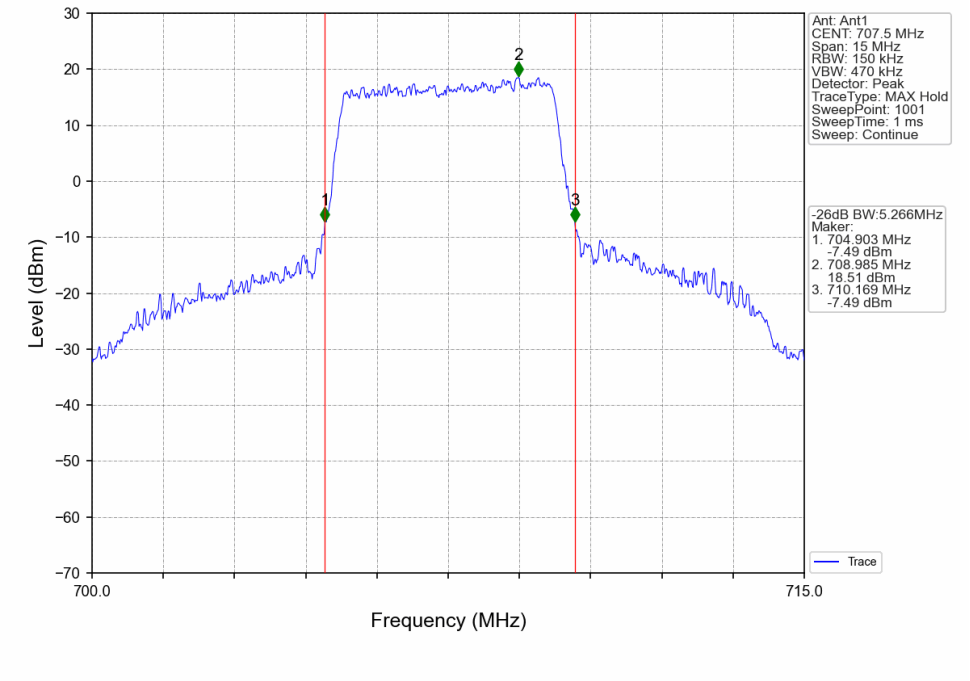
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



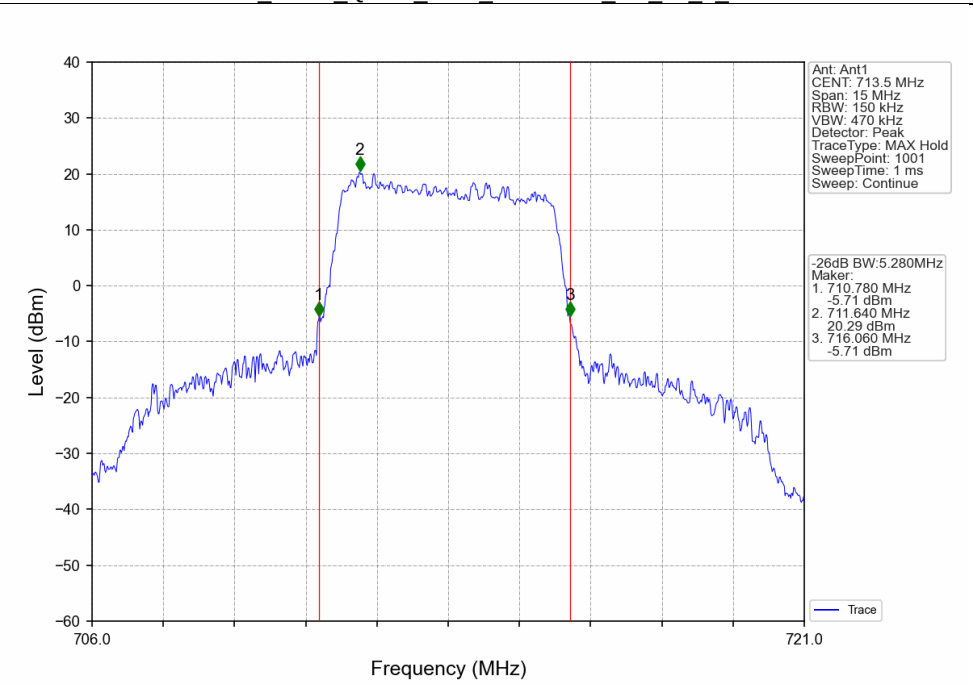
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



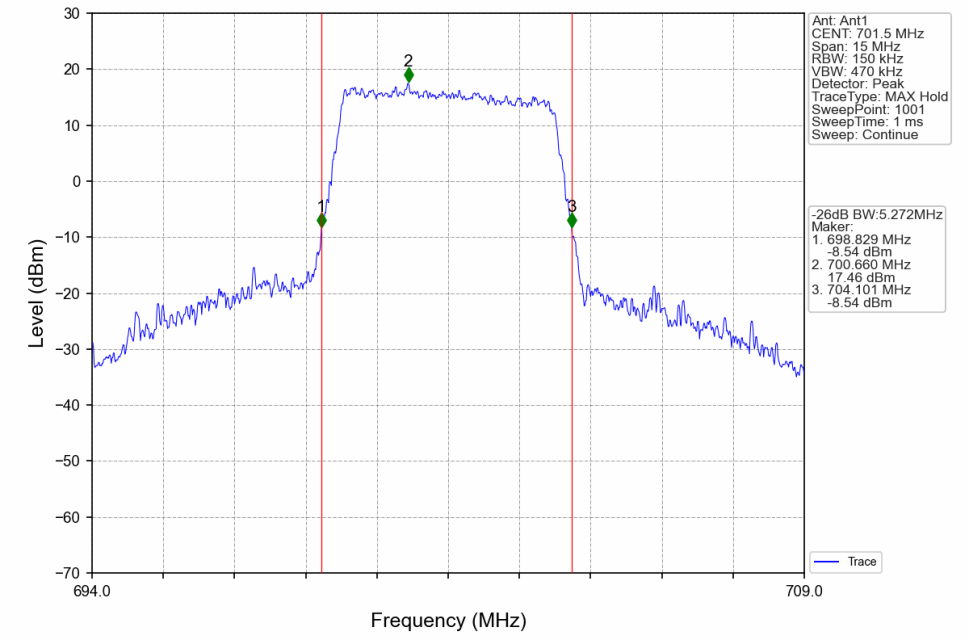
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



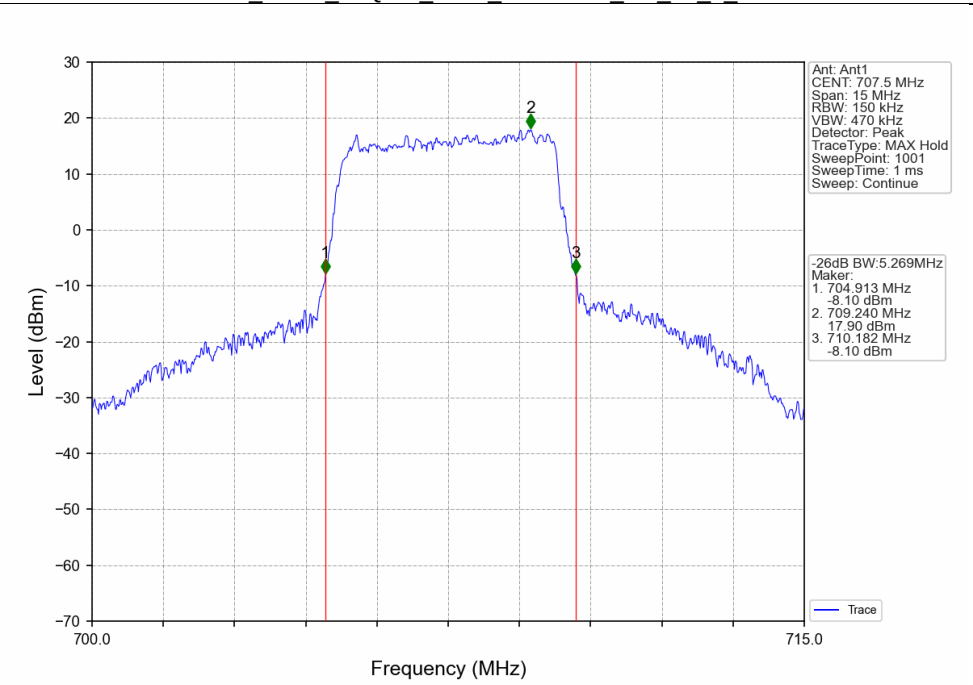
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



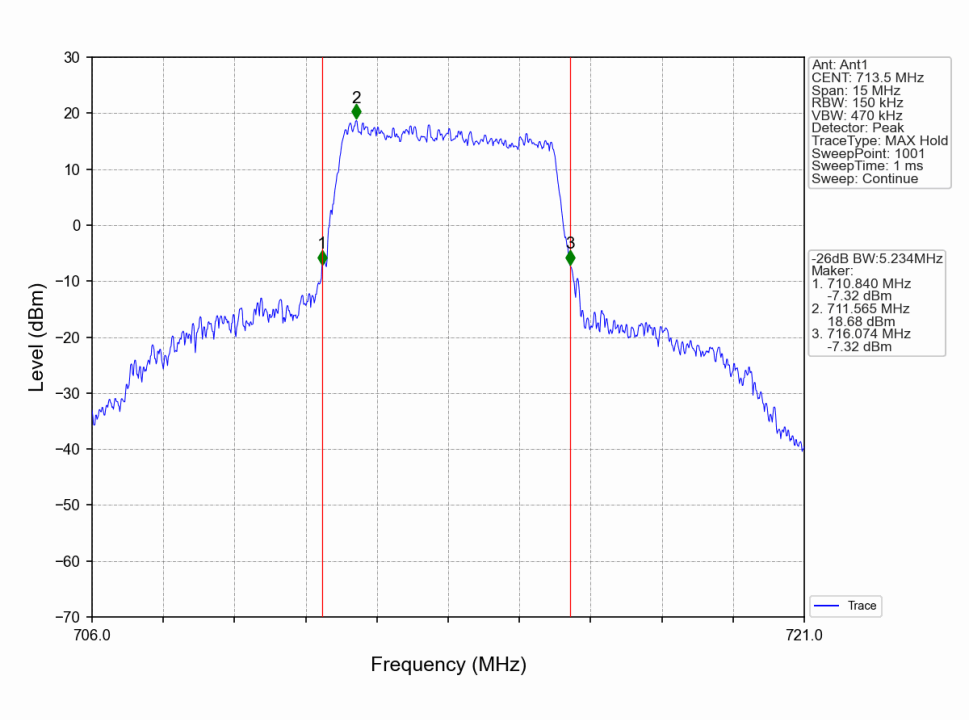
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



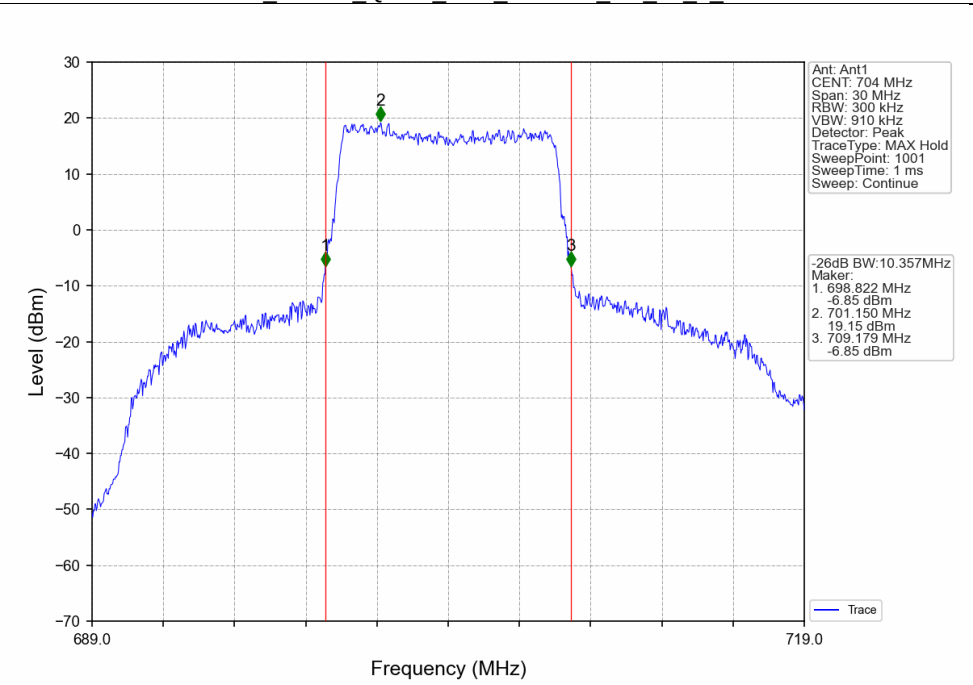
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



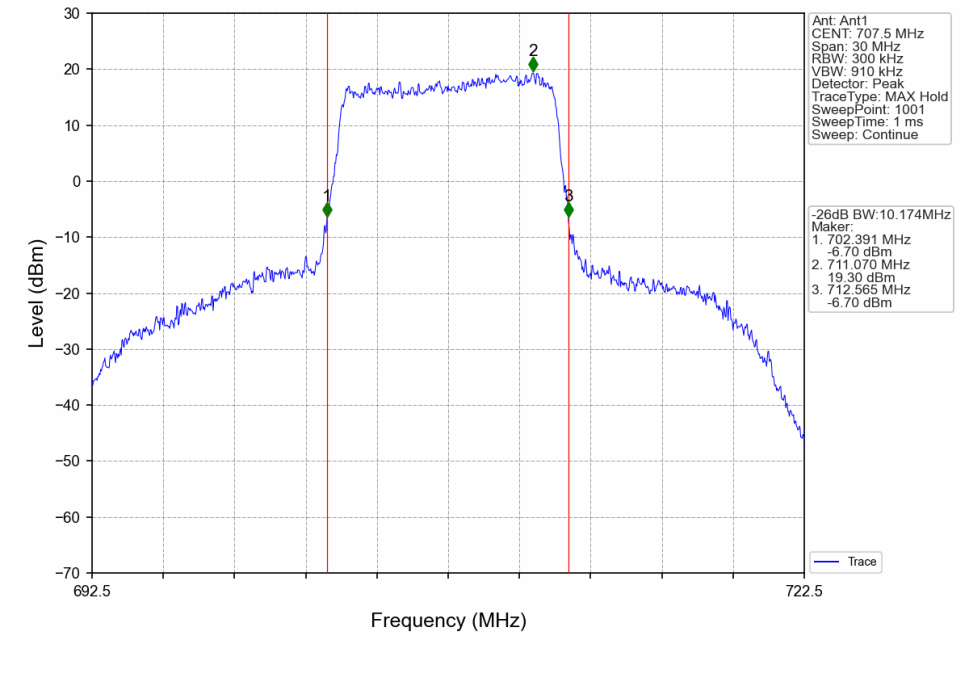
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



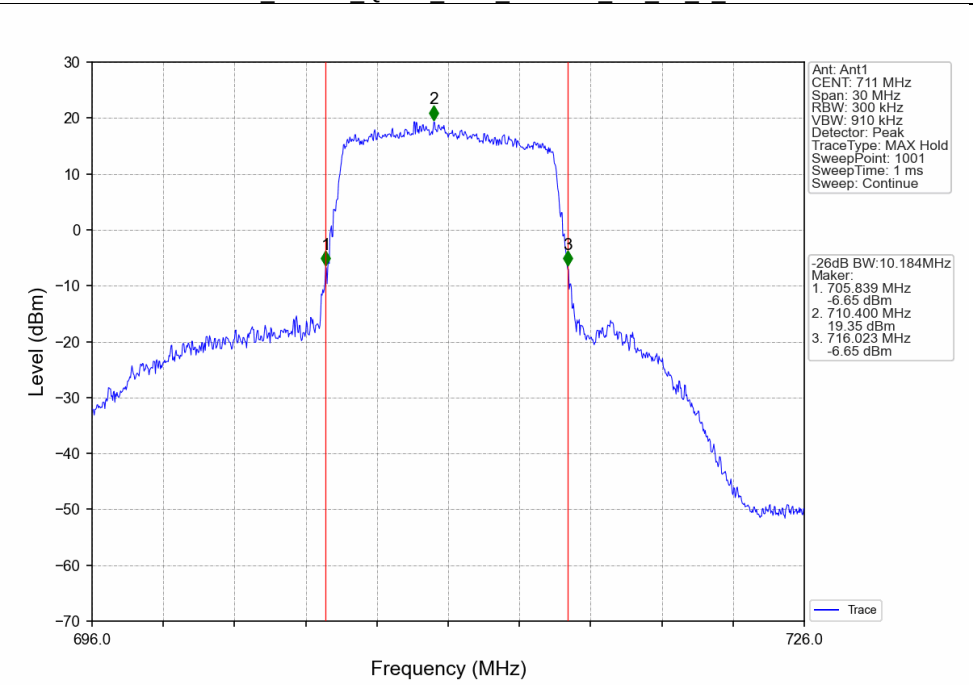
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



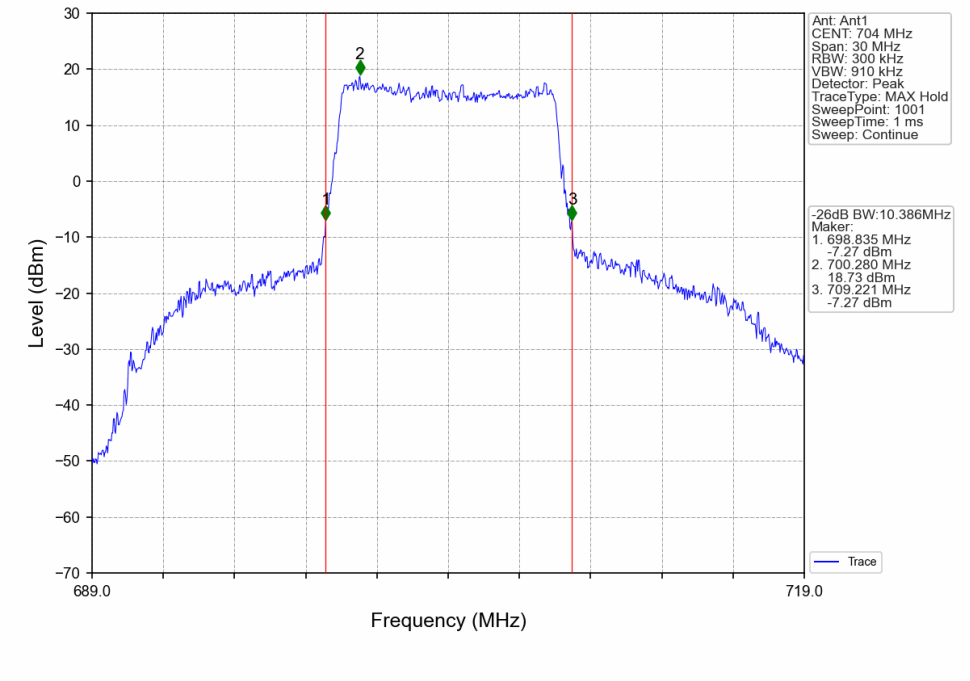
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



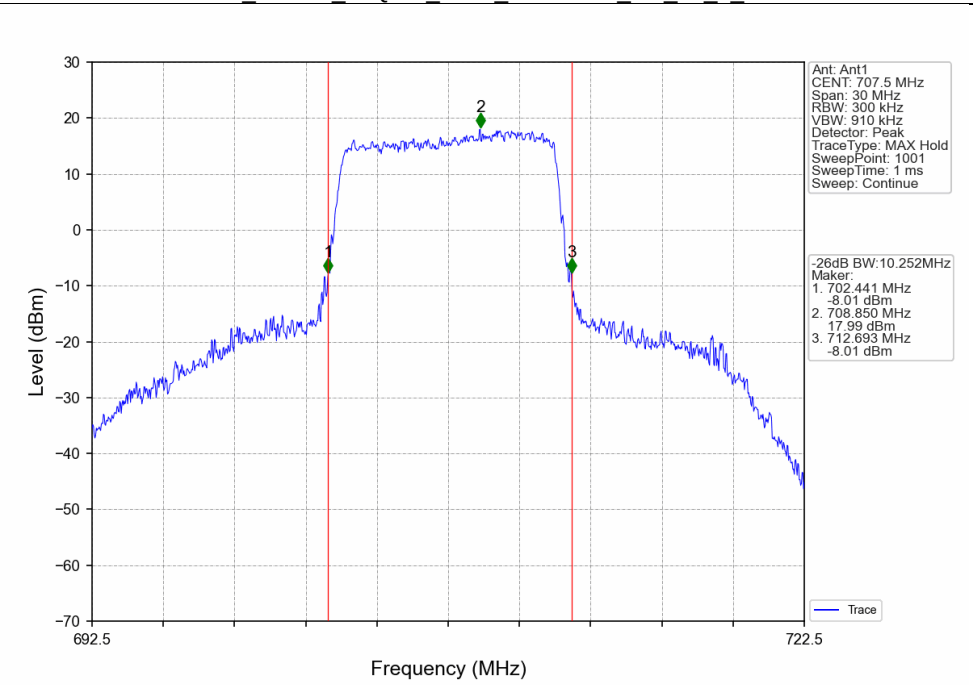
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



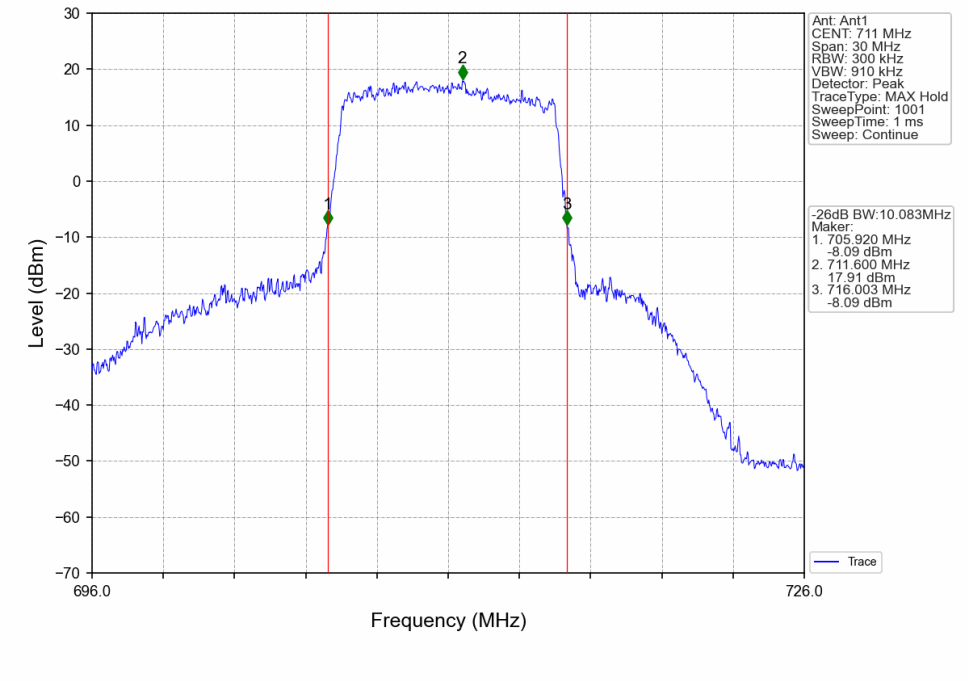
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

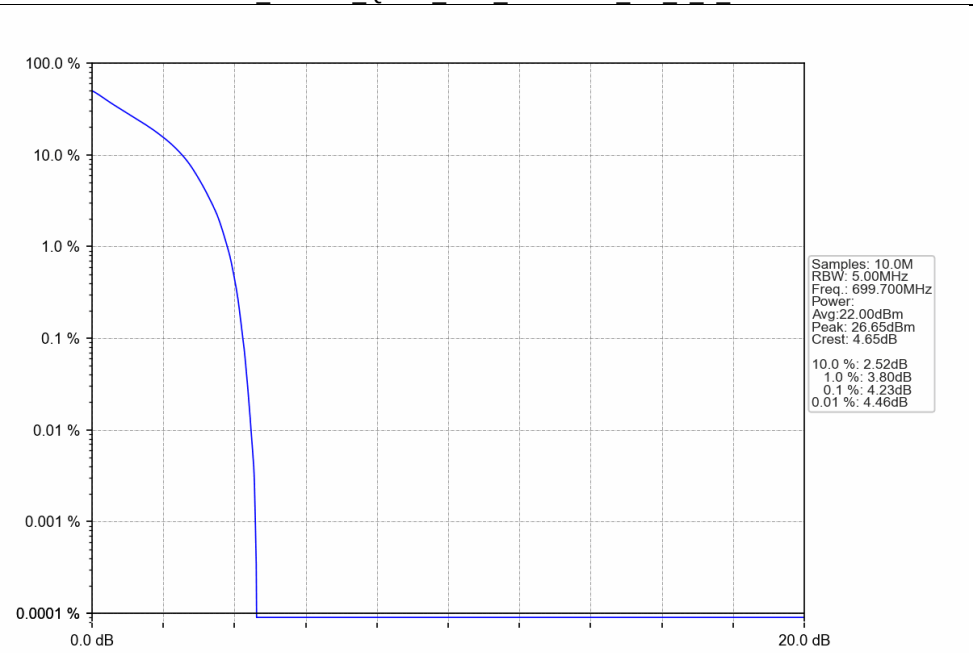
5.1 B12_1.4MHz

5.1.1 Test Result

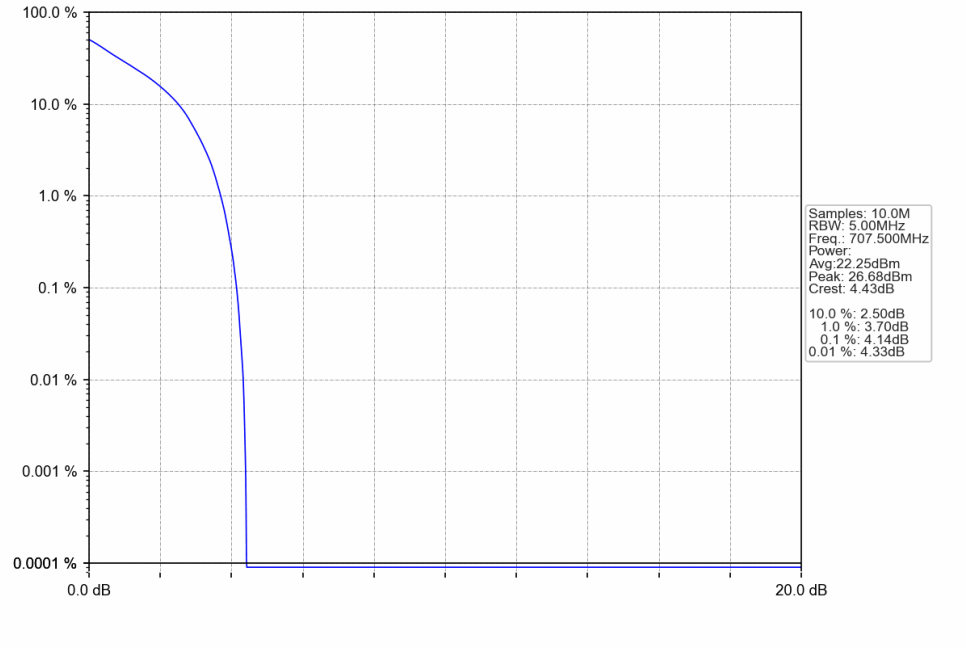
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.23	<=13	Pass
	707.5	6	0	4.14	<=13	Pass
	715.3	6	0	3.51	<=13	Pass
16QAM	699.7	6	0	5.14	<=13	Pass
	707.5	6	0	5.07	<=13	Pass
	715.3	6	0	4.63	<=13	Pass

5.1.2 Test Graph

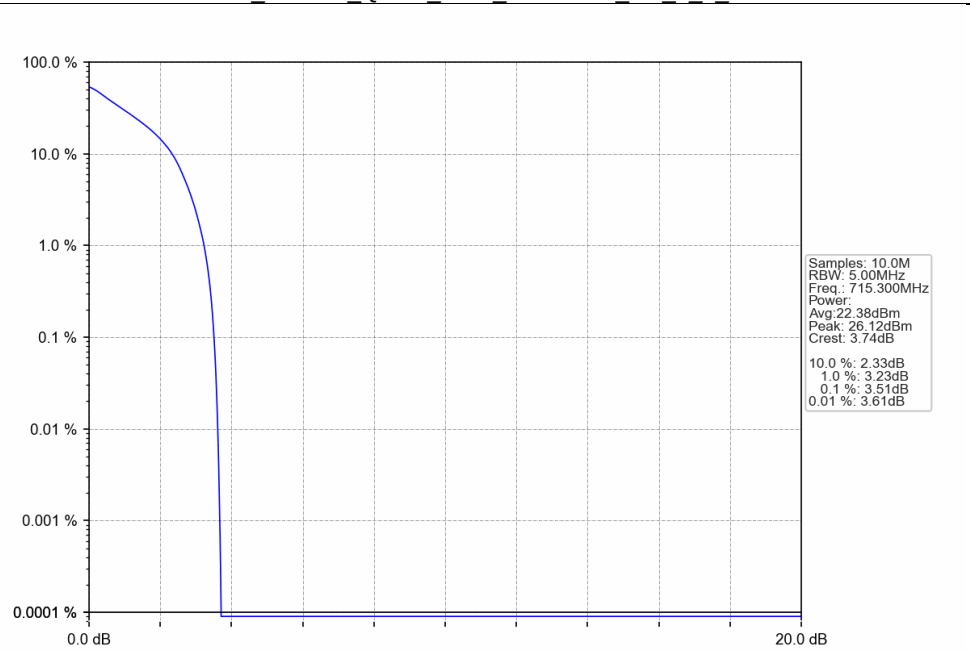
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



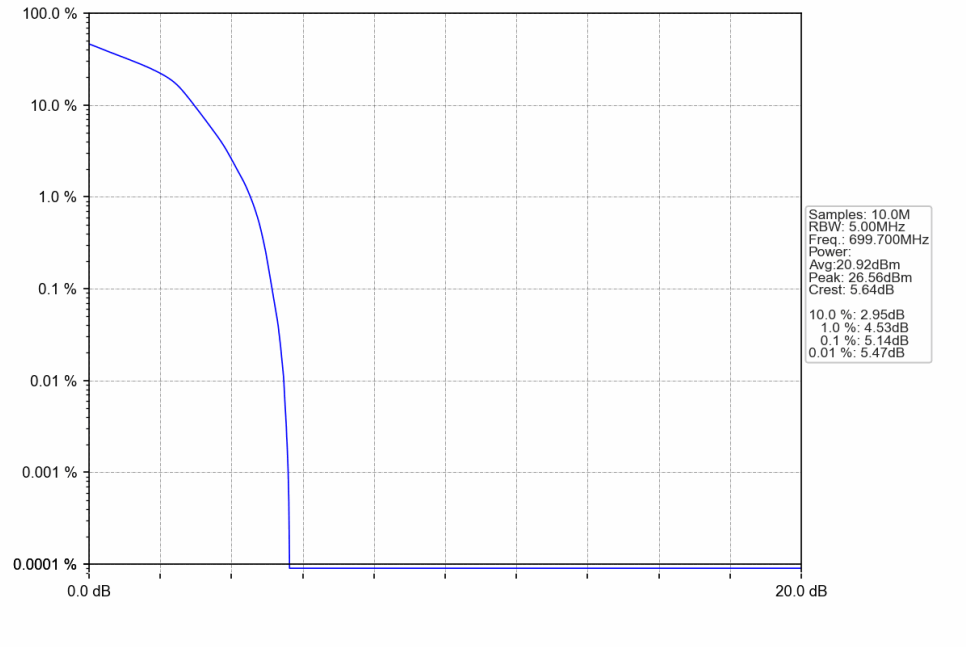
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



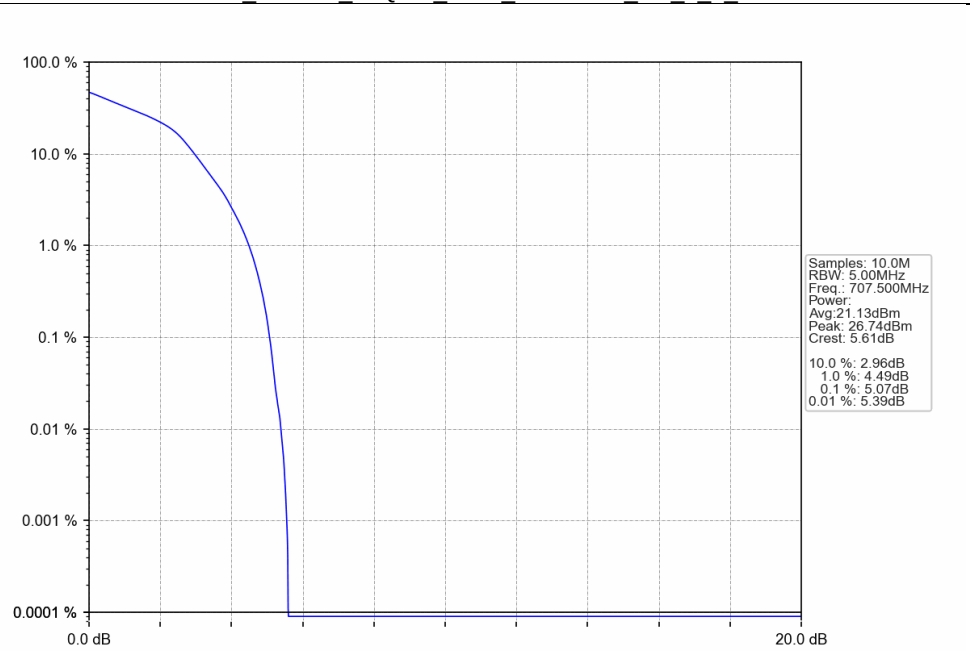
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



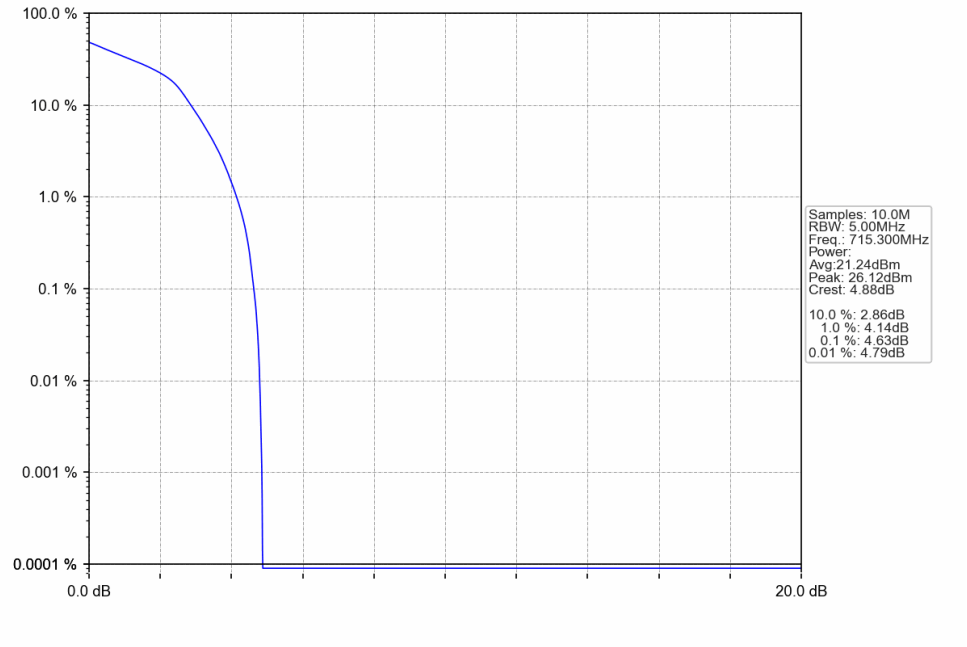
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



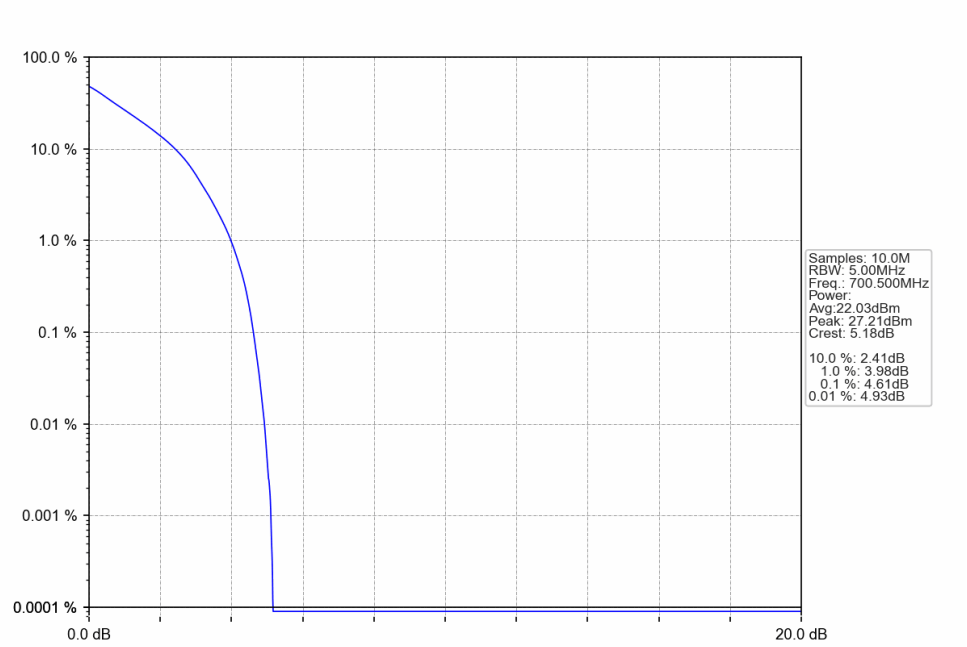
5.2 B12_3MHz

5.2.1 Test Result

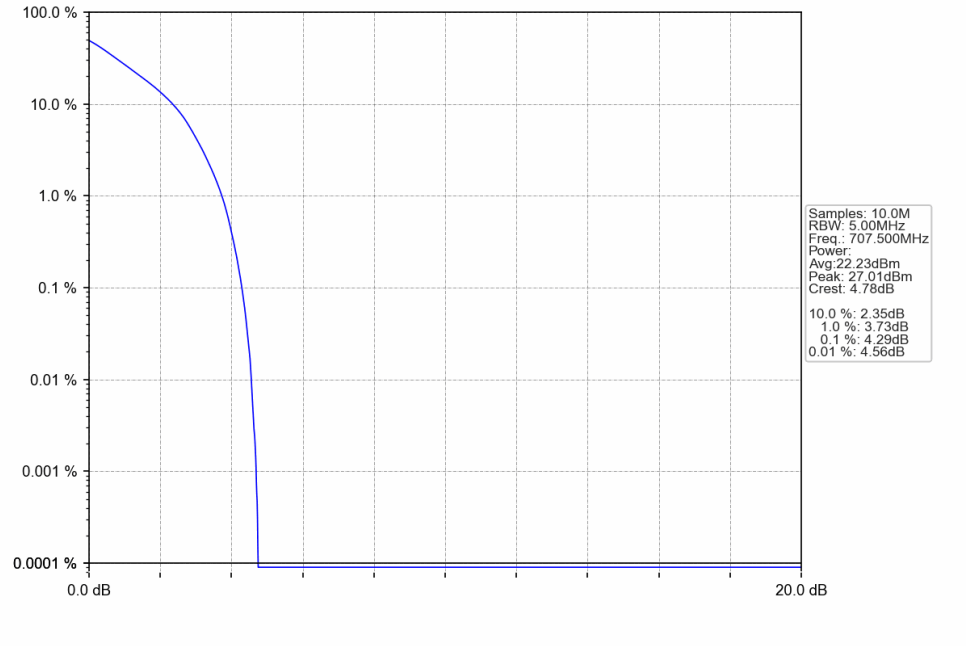
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.61	<=13	Pass
	707.5	15	0	4.29	<=13	Pass
	714.5	15	0	4.27	<=13	Pass
16QAM	700.5	15	0	5.48	<=13	Pass
	707.5	15	0	5.22	<=13	Pass
	714.5	15	0	5.21	<=13	Pass

5.2.2 Test Graph

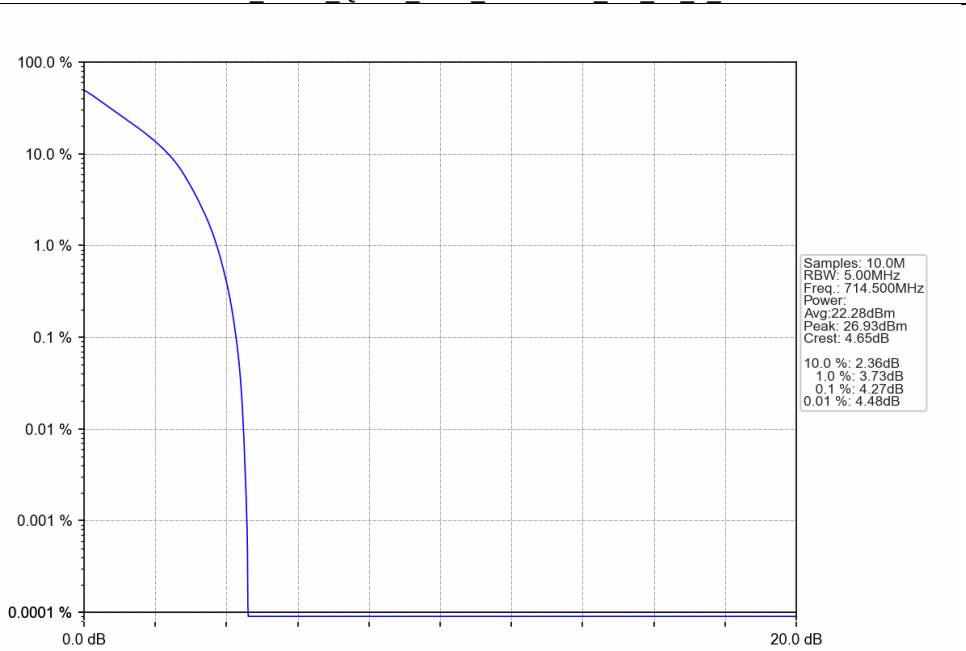
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



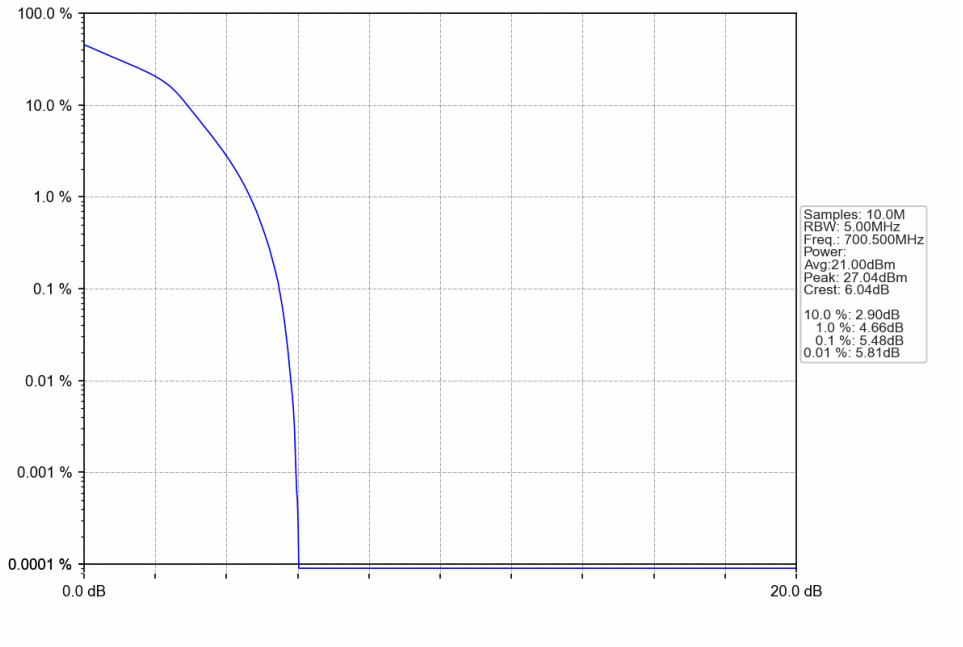
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



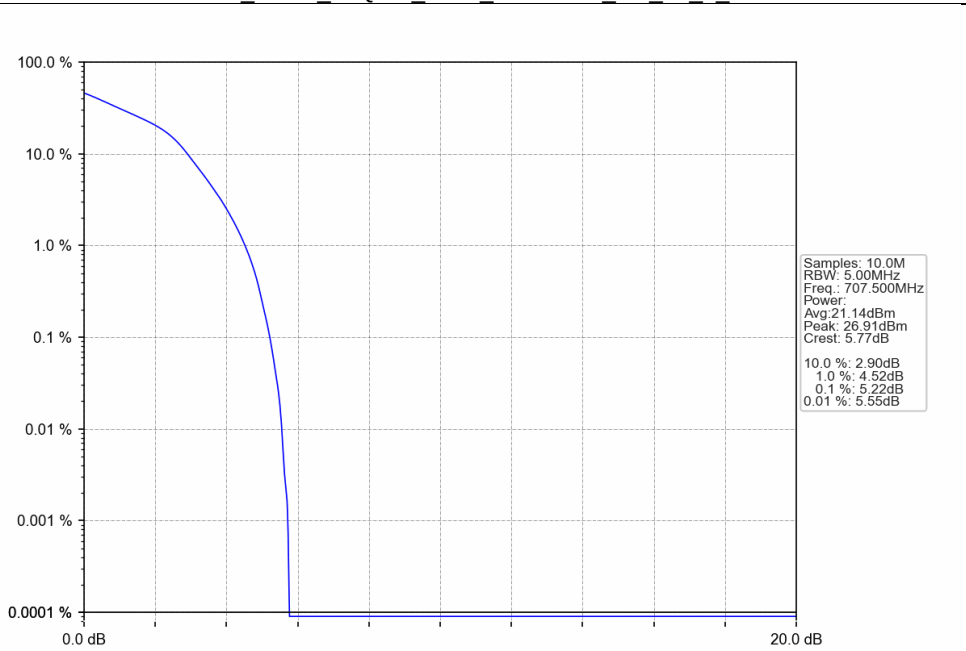
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



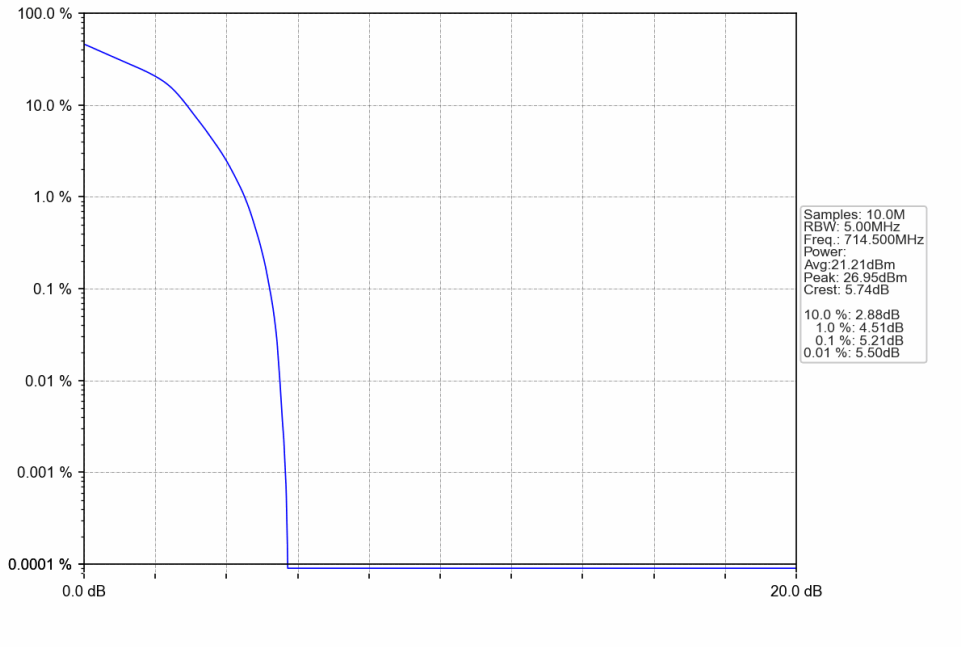
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



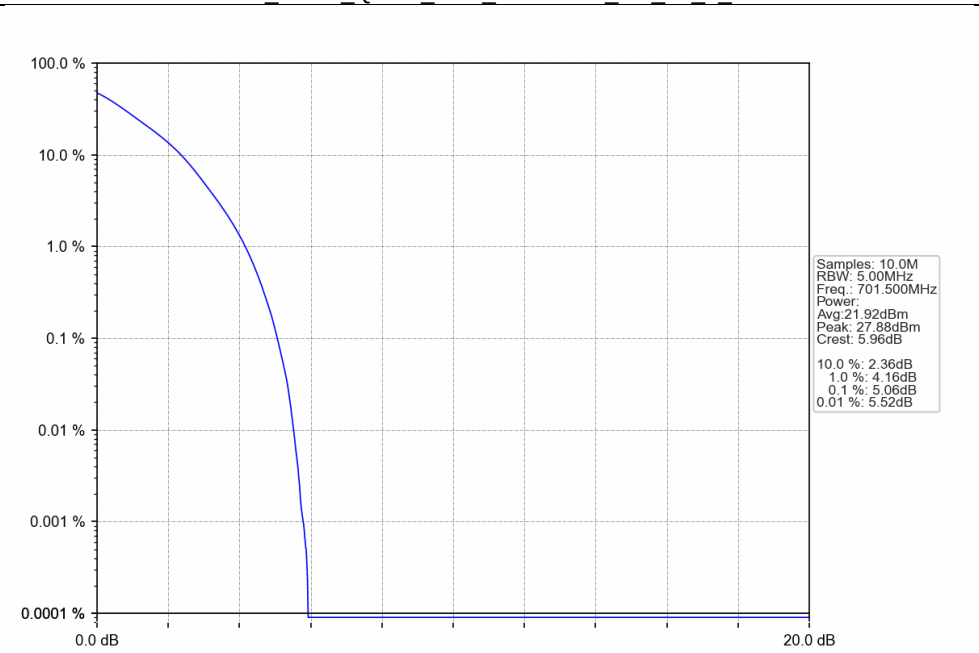
5.3 B12_5MHz

5.3.1 Test Result

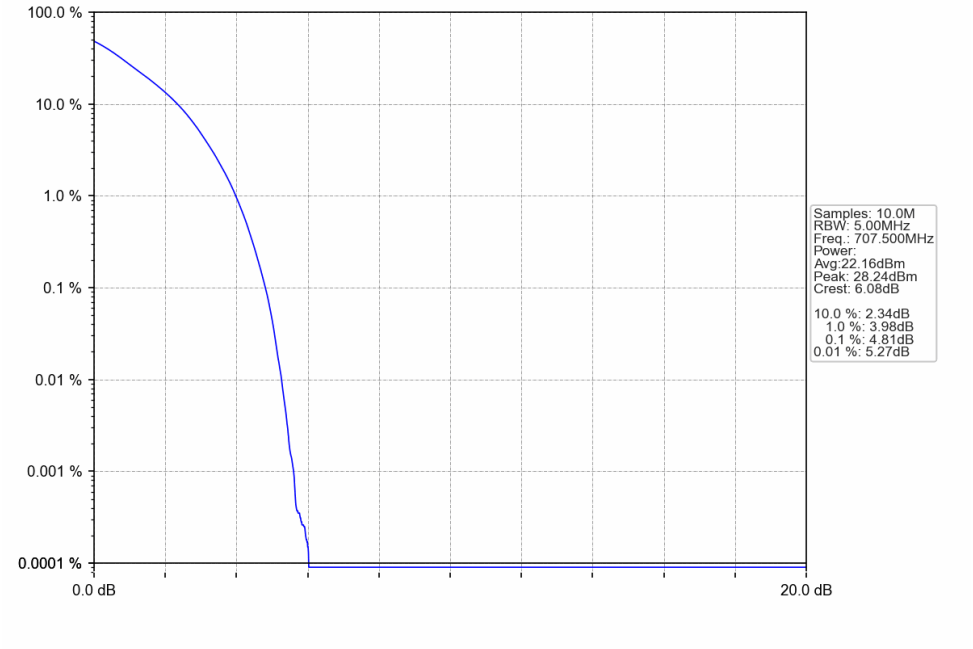
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.06	<=13	Pass
	707.5	25	0	4.81	<=13	Pass
	713.5	25	0	4.88	<=13	Pass
16QAM	701.5	25	0	5.83	<=13	Pass
	707.5	25	0	5.55	<=13	Pass
	713.5	25	0	5.68	<=13	Pass

5.3.2 Test Graph

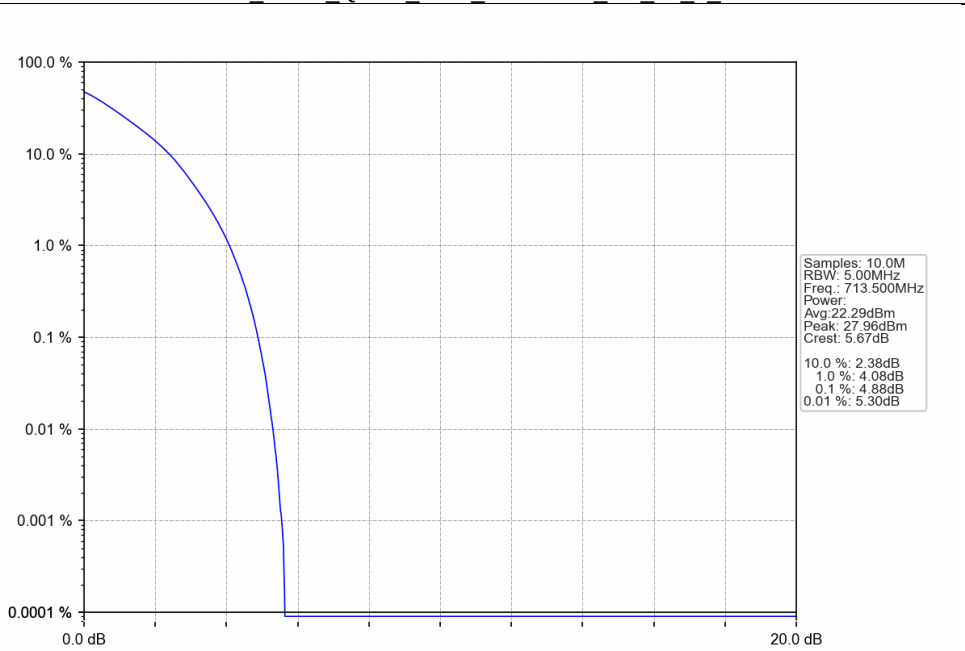
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



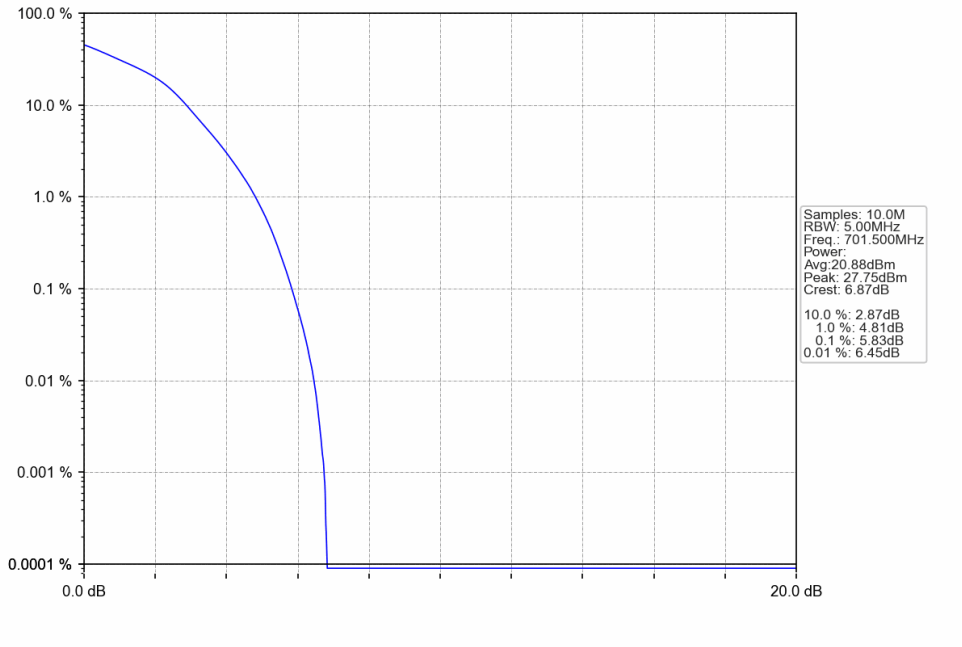
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



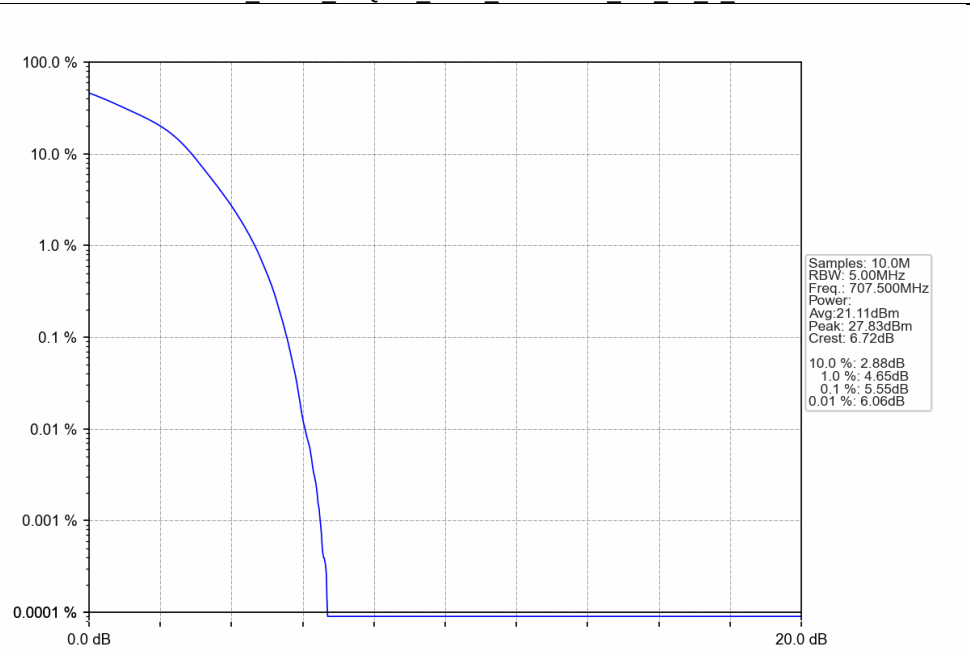
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



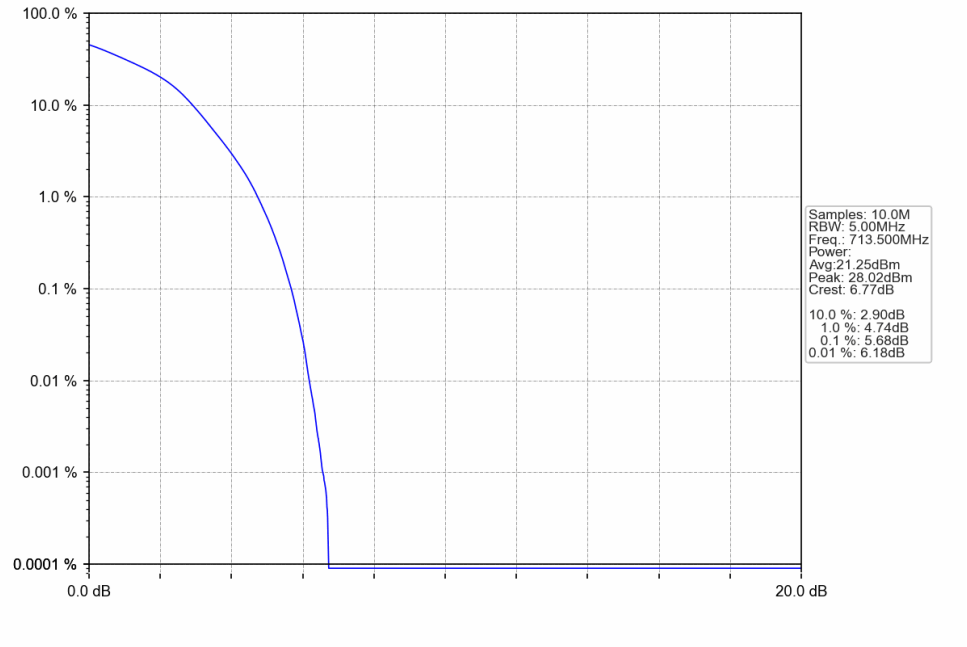
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



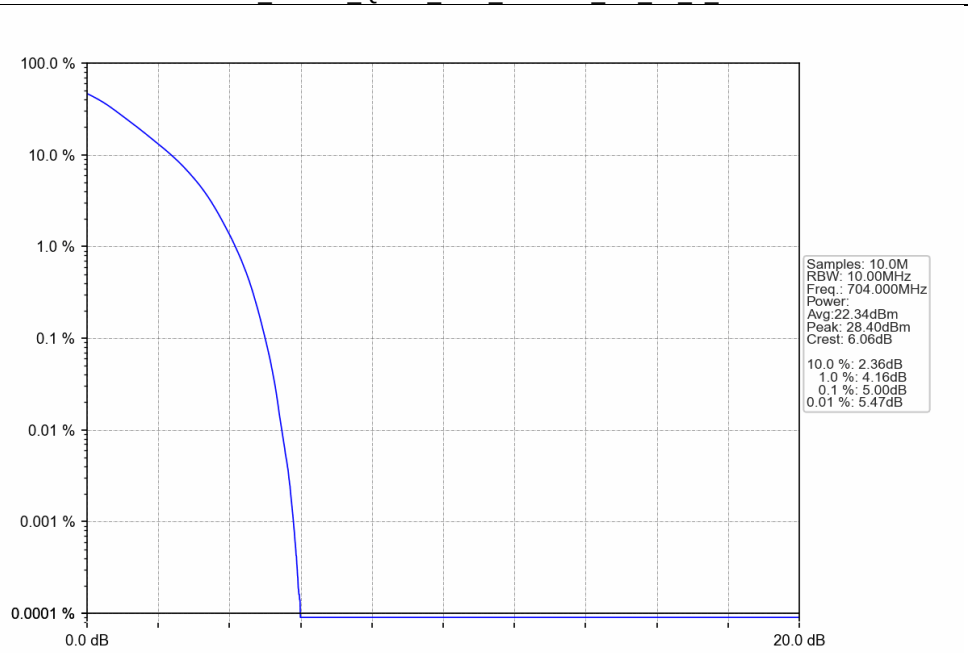
5.4 B12_10MHz

5.4.1 Test Result

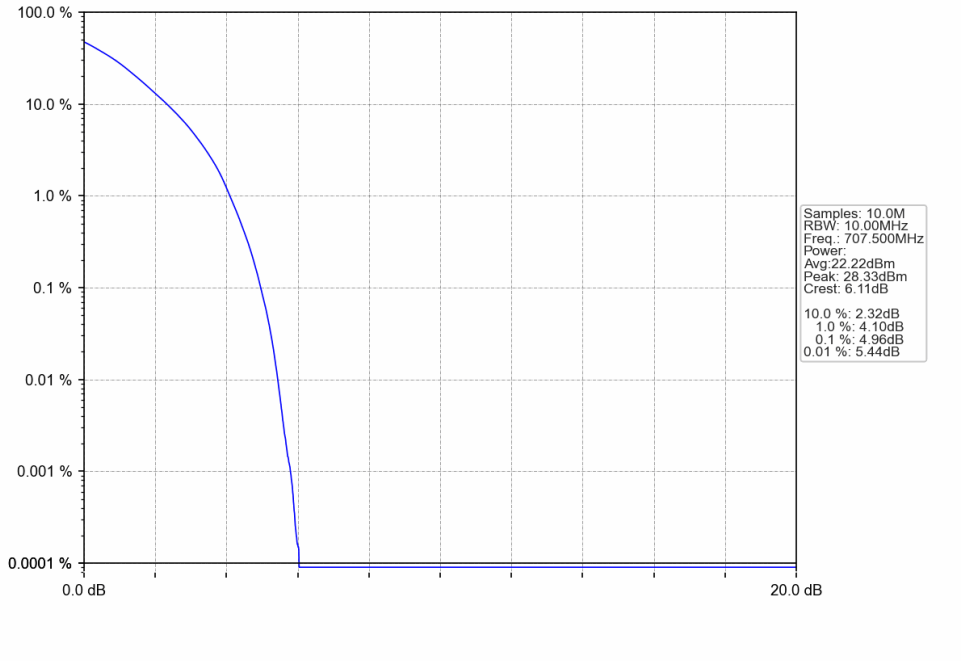
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.00	<=13	Pass
	707.5	50	0	4.96	<=13	Pass
	711	50	0	4.78	<=13	Pass
16QAM	704	50	0	5.79	<=13	Pass
	707.5	50	0	5.73	<=13	Pass
	711	50	0	5.61	<=13	Pass

5.4.2 Test Graph

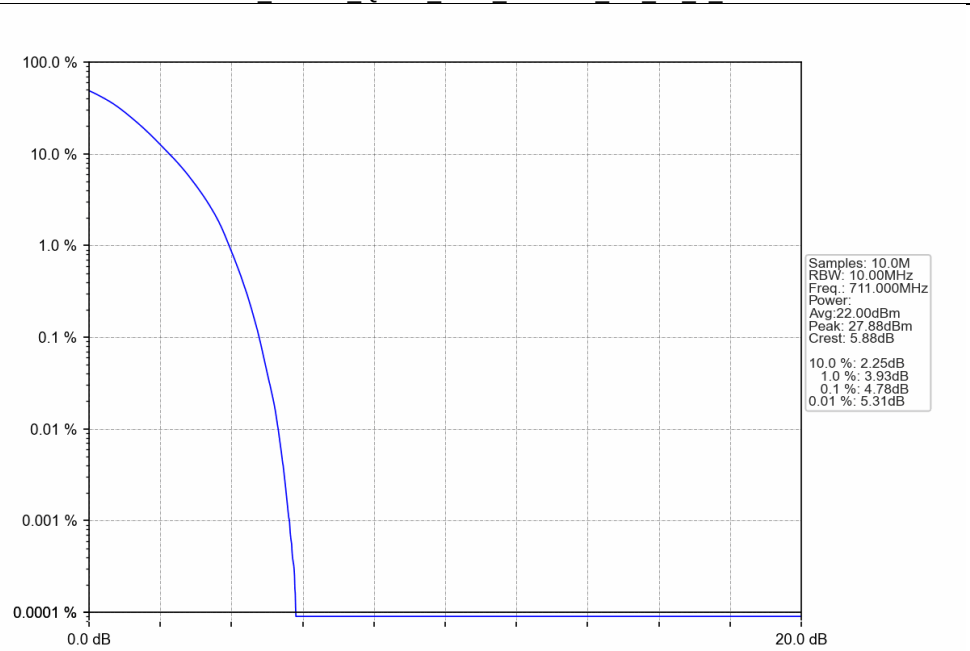
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



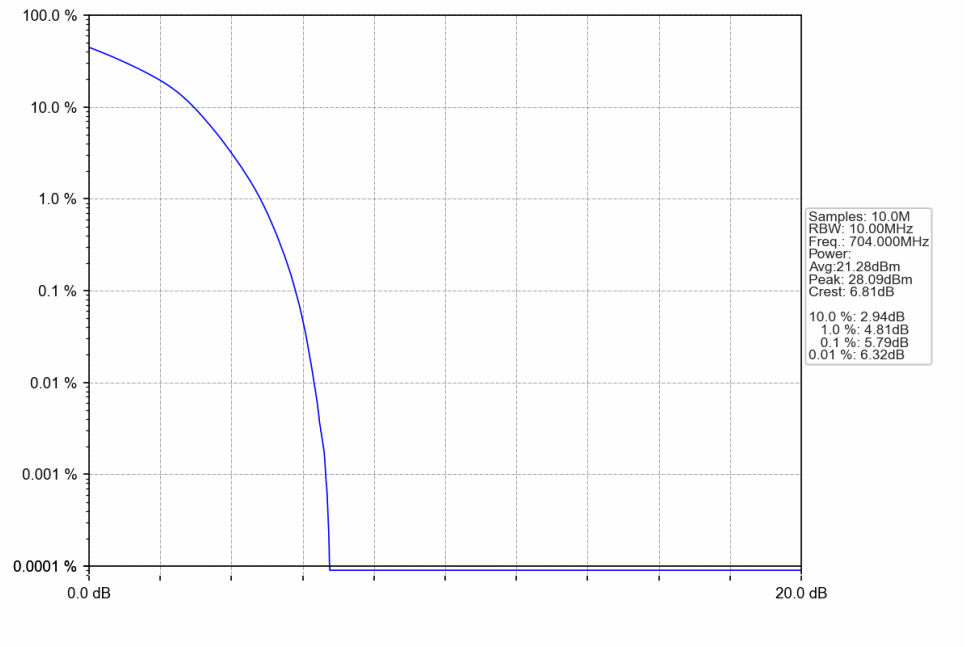
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



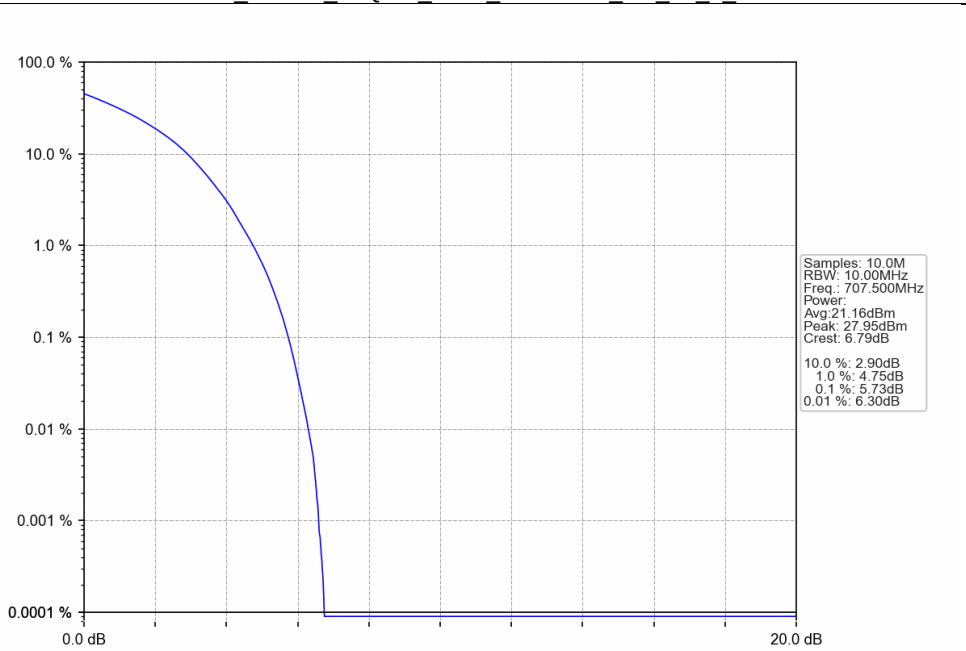
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



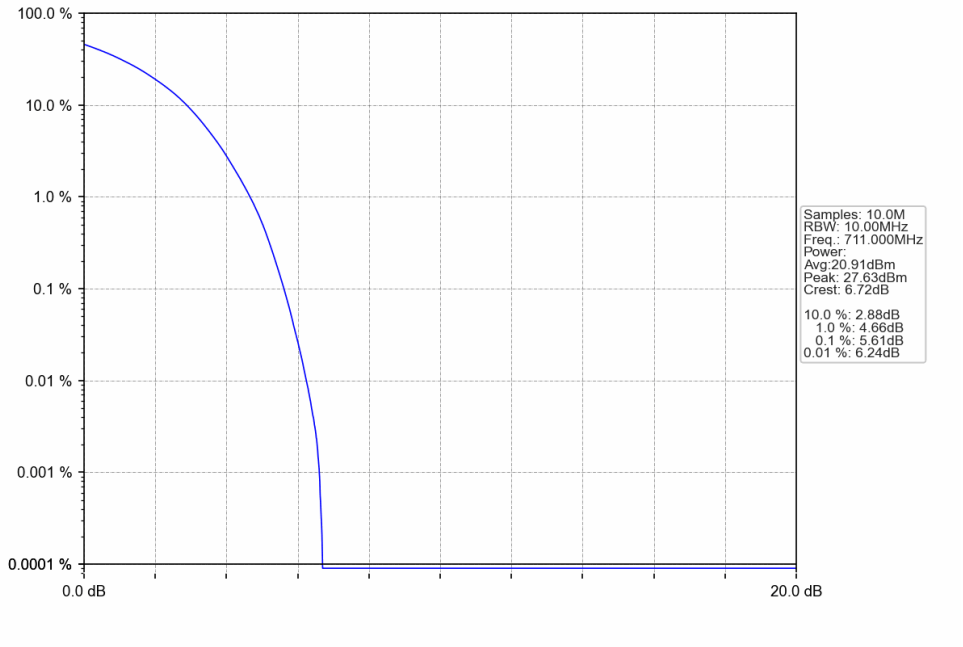
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

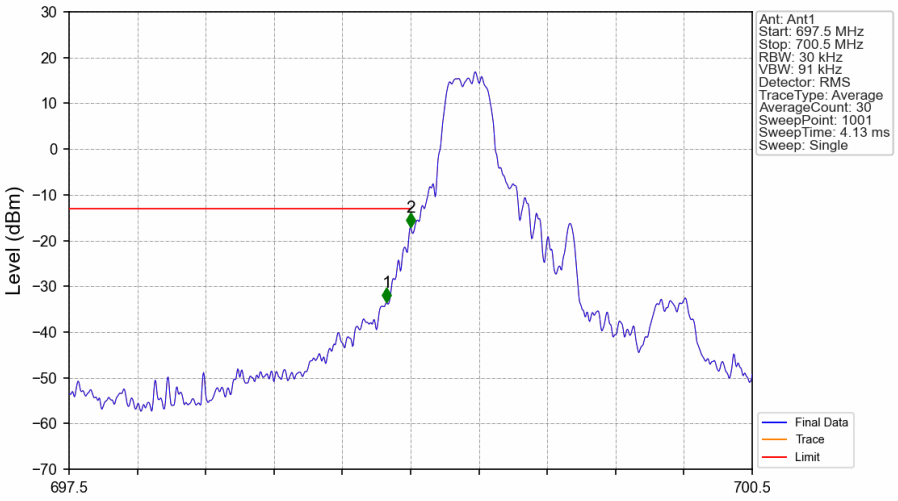
6.1 B12_1.4MHz

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

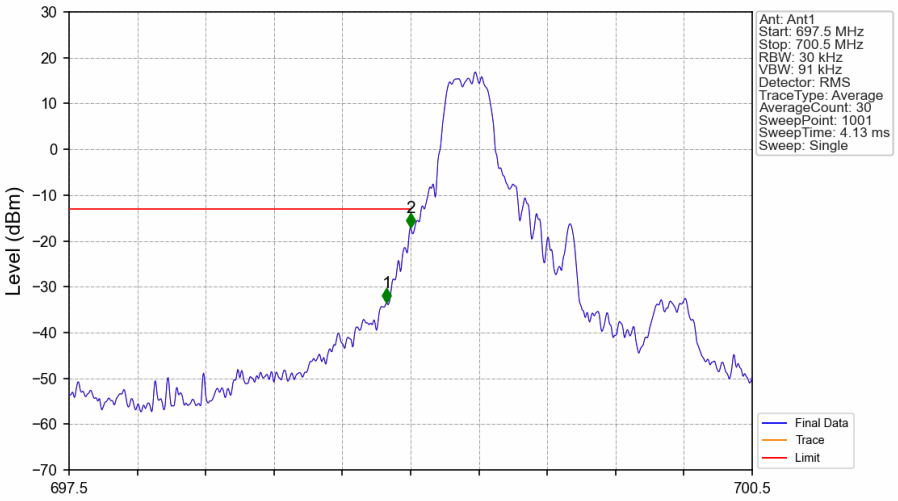
6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



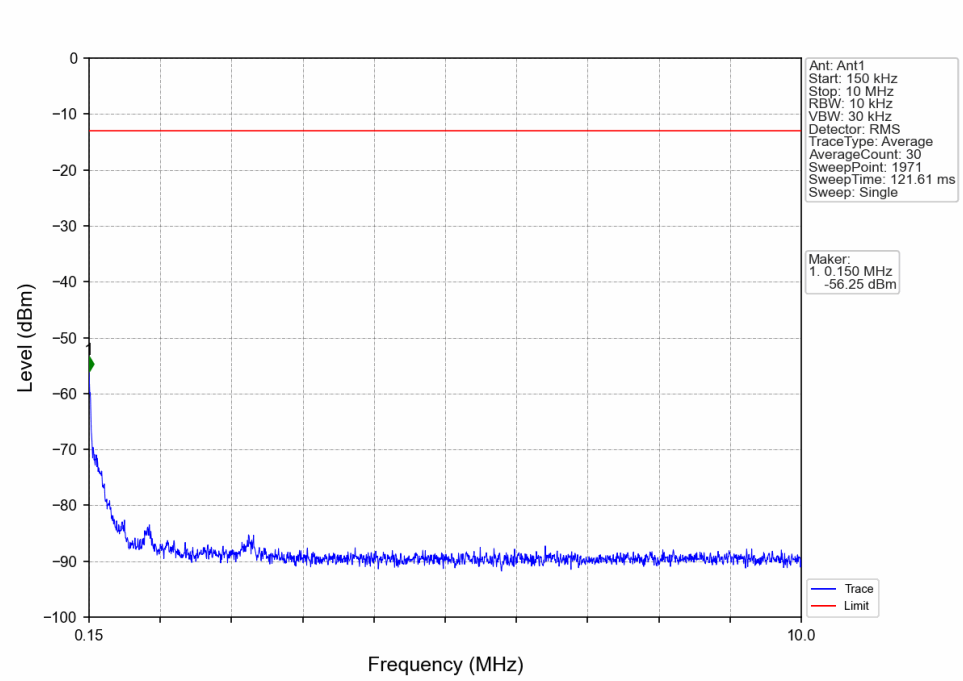
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.895	-33.55	-13	Pass
698.9	699	0.03	/	2	699.000	-17.12	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

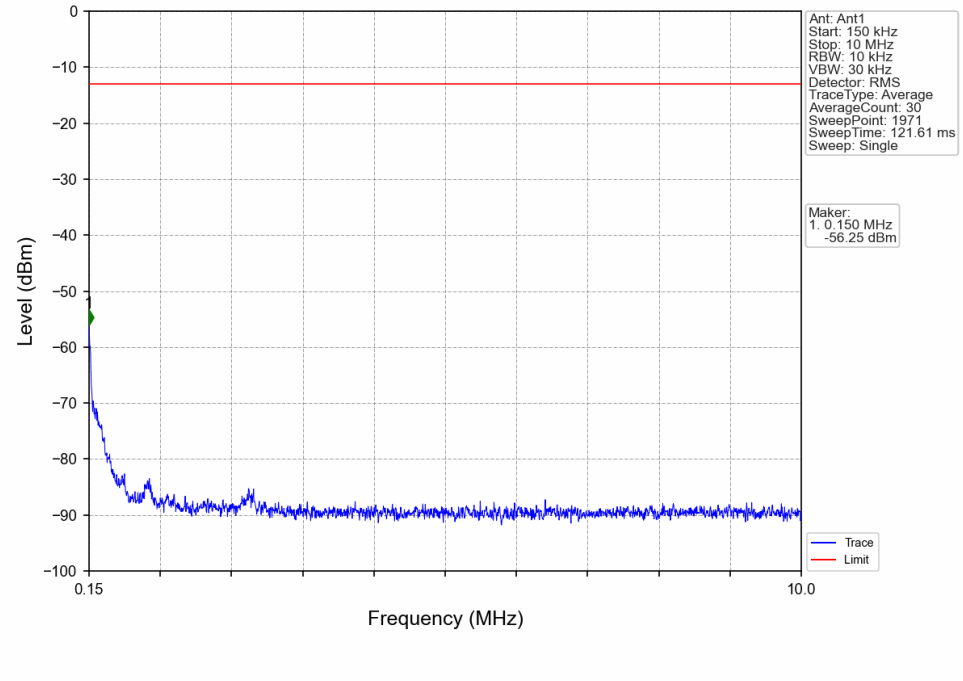


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.895	-33.55	-13	Pass
698.9	699	0.03	/	2	699.000	-17.12	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

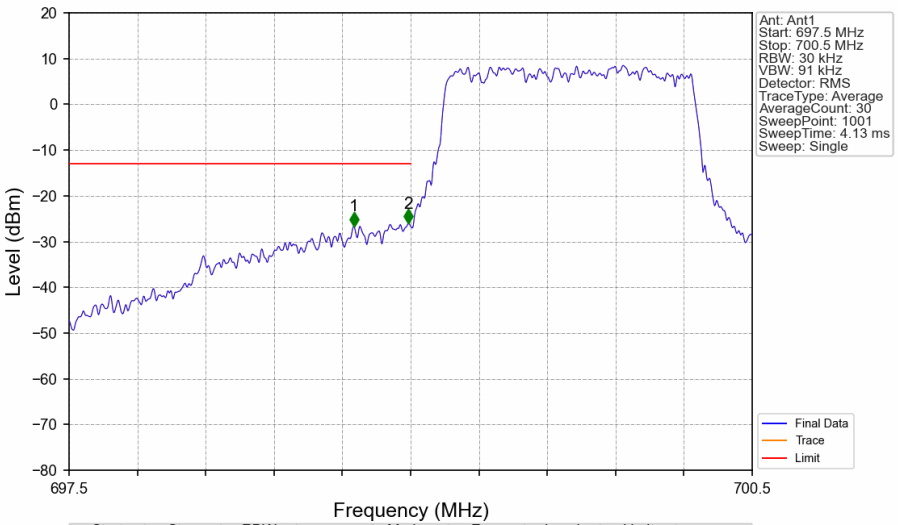
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

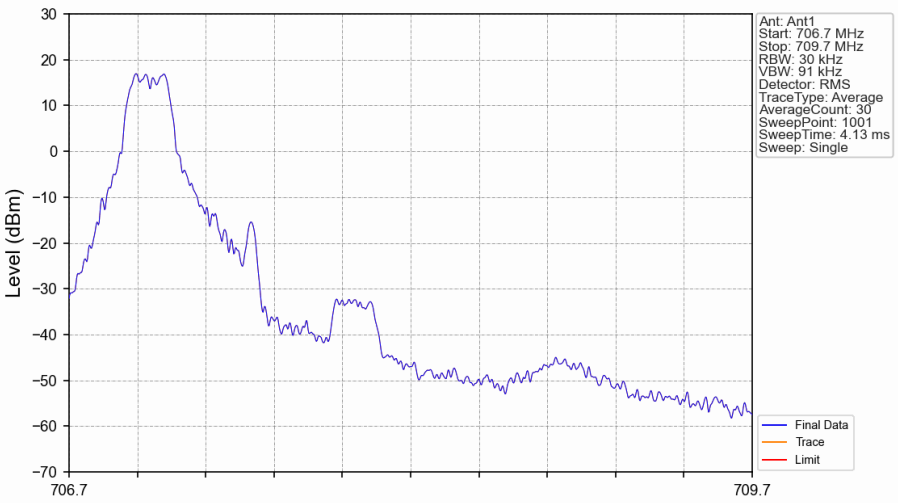


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



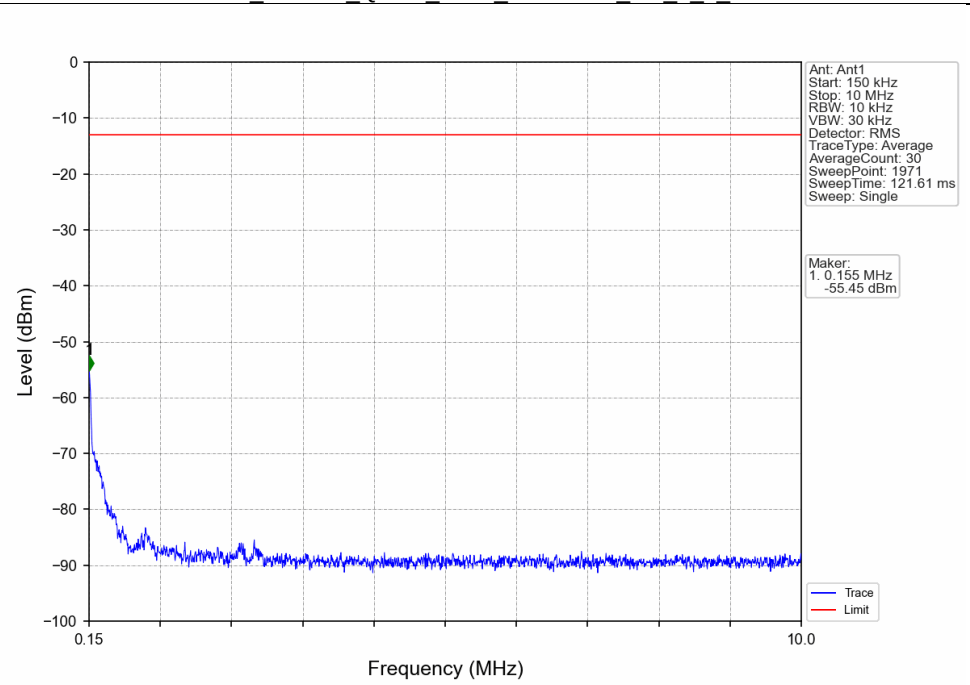
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.751	-26.65	-13	Pass
698.9	699	0.03	/	2	698.991	-26.03	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

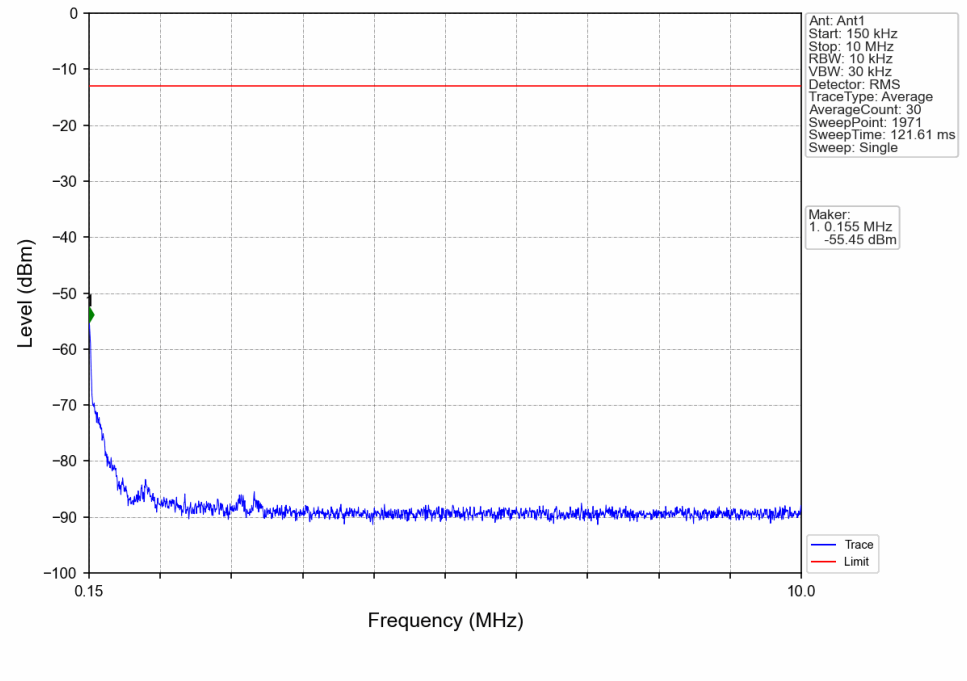


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706.7	709.7	0.03	/	/	/	/	/	/

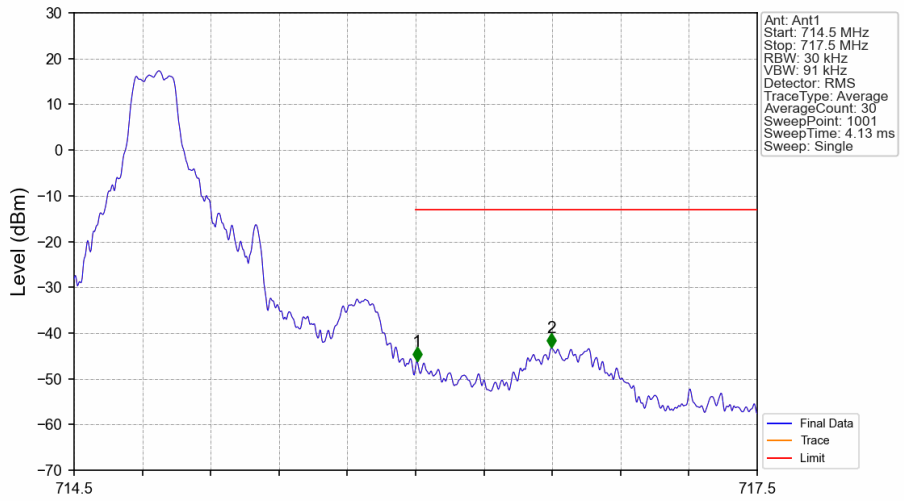
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_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	716.006	-46.24	-13	Pass
716.1	717.5	0.1	/	2	716.597	-43.26	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV