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	23.64	2.37	23.86	<=34.77	Pass
			2	23.70	2.37	23.92	<=34.77	Pass
			5	23.65	2.37	23.87	<=34.77	Pass
		3	0	23.71	2.37	23.93	<=34.77	Pass
			2	23.76	2.37	23.98	<=34.77	Pass
			3	23.73	2.37	23.95	<=34.77	Pass
		6	0	22.33	2.37	22.55	<=34.77	Pass
	707.5	1	0	23.25	2.37	23.47	<=34.77	Pass
			2	23.42	2.37	23.64	<=34.77	Pass
			5	23.28	2.37	23.50	<=34.77	Pass
		3	0	23.34	2.37	23.56	<=34.77	Pass
			2	23.35	2.37	23.57	<=34.77	Pass
			3	23.33	2.37	23.55	<=34.77	Pass
		6	0	22.36	2.37	22.58	<=34.77	Pass
	715.3	1	0	23.31	2.37	23.53	<=34.77	Pass
			2	23.43	2.37	23.65	<=34.77	Pass
			5	23.35	2.37	23.57	<=34.77	Pass
		3	0	23.40	2.37	23.62	<=34.77	Pass
			2	23.40	2.37	23.62	<=34.77	Pass
			3	23.36	2.37	23.58	<=34.77	Pass
		6	0	22.44	2.37	22.66	<=34.77	Pass
16QAM	699.7	1	0	22.14	2.37	22.36	<=34.77	Pass
			2	22.25	2.37	22.47	<=34.77	Pass
			5	22.16	2.37	22.38	<=34.77	Pass
		3	0	22.44	2.37	22.66	<=34.77	Pass
			2	22.49	2.37	22.71	<=34.77	Pass
			3	22.48	2.37	22.70	<=34.77	Pass
		6	0	21.24	2.37	21.46	<=34.77	Pass
	707.5	1	0	22.31	2.37	22.53	<=34.77	Pass
			2	22.36	2.37	22.58	<=34.77	Pass
			5	22.32	2.37	22.54	<=34.77	Pass
		3	0	22.42	2.37	22.64	<=34.77	Pass
			2	22.40	2.37	22.62	<=34.77	Pass
			3	22.38	2.37	22.60	<=34.77	Pass
		6	0	21.25	2.37	21.47	<=34.77	Pass
	715.3	1	0	22.45	2.37	22.67	<=34.77	Pass
			2	22.56	2.37	22.78	<=34.77	Pass
			5	22.42	2.37	22.64	<=34.77	Pass
		3	0	22.35	2.37	22.57	<=34.77	Pass
			2	22.36	2.37	22.58	<=34.77	Pass
			3	22.32	2.37	22.54	<=34.77	Pass
		6	0	21.38	2.37	21.60	<=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	23.33	2.37	23.55	<=34.77	Pass
			7	23.50	2.37	23.72	<=34.77	Pass
			14	23.36	2.37	23.58	<=34.77	Pass
		8	0	22.36	2.37	22.58	<=34.77	Pass
			4	22.35	2.37	22.57	<=34.77	Pass
			7	22.31	2.37	22.53	<=34.77	Pass
		15	0	22.32	2.37	22.54	<=34.77	Pass
	707.5	1	0	23.38	2.37	23.60	<=34.77	Pass
			7	23.47	2.37	23.69	<=34.77	Pass
			14	23.37	2.37	23.59	<=34.77	Pass
		8	0	22.40	2.37	22.62	<=34.77	Pass
			4	22.47	2.37	22.69	<=34.77	Pass
			7	22.45	2.37	22.67	<=34.77	Pass
		15	0	22.43	2.37	22.65	<=34.77	Pass
	714.5	1	0	23.47	2.37	23.69	<=34.77	Pass
			7	23.59	2.37	23.81	<=34.77	Pass
			14	23.48	2.37	23.70	<=34.77	Pass
		8	0	22.48	2.37	22.70	<=34.77	Pass
			4	22.53	2.37	22.75	<=34.77	Pass
			7	22.53	2.37	22.75	<=34.77	Pass
		15	0	22.51	2.37	22.73	<=34.77	Pass
16QAM	700.5	1	0	22.31	2.37	22.53	<=34.77	Pass
			7	22.49	2.37	22.71	<=34.77	Pass
			14	22.33	2.37	22.55	<=34.77	Pass
		8	0	21.38	2.37	21.60	<=34.77	Pass
			4	21.39	2.37	21.61	<=34.77	Pass
			7	21.36	2.37	21.58	<=34.77	Pass
		15	0	21.35	2.37	21.57	<=34.77	Pass
	707.5	1	0	22.55	2.37	22.77	<=34.77	Pass
			7	22.63	2.37	22.85	<=34.77	Pass
			14	22.57	2.37	22.79	<=34.77	Pass
		8	0	21.34	2.37	21.56	<=34.77	Pass
			4	21.40	2.37	21.62	<=34.77	Pass
			7	21.38	2.37	21.60	<=34.77	Pass
		15	0	21.35	2.37	21.57	<=34.77	Pass
	714.5	1	0	23.00	2.37	23.22	<=34.77	Pass
			7	23.11	2.37	23.33	<=34.77	Pass
			14	22.87	2.37	23.09	<=34.77	Pass
		8	0	21.59	2.37	21.81	<=34.77	Pass
			4	21.65	2.37	21.87	<=34.77	Pass
			7	21.63	2.37	21.85	<=34.77	Pass
		15	0	21.52	2.37	21.74	<=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	23.14	2.37	23.36	<=34.77	Pass
			13	23.31	2.37	23.53	<=34.77	Pass
			24	23.24	2.37	23.46	<=34.77	Pass
		12	0	22.32	2.37	22.54	<=34.77	Pass
			6	22.29	2.37	22.51	<=34.77	Pass
			13	22.25	2.37	22.47	<=34.77	Pass
		25	0	22.25	2.37	22.47	<=34.77	Pass
	707.5	1	0	23.13	2.37	23.35	<=34.77	Pass
			13	23.33	2.37	23.55	<=34.77	Pass
			24	23.25	2.37	23.47	<=34.77	Pass
		12	0	22.23	2.37	22.45	<=34.77	Pass
			6	22.34	2.37	22.56	<=34.77	Pass
			13	22.28	2.37	22.50	<=34.77	Pass
		25	0	22.27	2.37	22.49	<=34.77	Pass
	713.5	1	0	23.28	2.37	23.50	<=34.77	Pass
			13	23.41	2.37	23.63	<=34.77	Pass
			24	23.30	2.37	23.52	<=34.77	Pass
		12	0	22.51	2.37	22.73	<=34.77	Pass
			6	22.48	2.37	22.70	<=34.77	Pass
			13	22.49	2.37	22.71	<=34.77	Pass
		25	0	22.52	2.37	22.74	<=34.77	Pass
16QAM	701.5	1	0	22.21	2.37	22.43	<=34.77	Pass
			13	22.36	2.37	22.58	<=34.77	Pass
			24	22.34	2.37	22.56	<=34.77	Pass
		12	0	21.31	2.37	21.53	<=34.77	Pass
			6	21.30	2.37	21.52	<=34.77	Pass
			13	21.26	2.37	21.48	<=34.77	Pass
		25	0	21.27	2.37	21.49	<=34.77	Pass
	707.5	1	0	22.42	2.37	22.64	<=34.77	Pass
			13	22.57	2.37	22.79	<=34.77	Pass
			24	22.52	2.37	22.74	<=34.77	Pass
		12	0	21.26	2.37	21.48	<=34.77	Pass
			6	21.38	2.37	21.60	<=34.77	Pass
			13	21.35	2.37	21.57	<=34.77	Pass
		25	0	21.24	2.37	21.46	<=34.77	Pass
	713.5	1	0	22.18	2.37	22.40	<=34.77	Pass
			13	22.27	2.37	22.49	<=34.77	Pass
			24	22.11	2.37	22.33	<=34.77	Pass
		12	0	21.54	2.37	21.76	<=34.77	Pass
			6	21.50	2.37	21.72	<=34.77	Pass
			13	21.52	2.37	21.74	<=34.77	Pass
		25	0	21.55	2.37	21.77	<=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	23.13	2.37	23.35	<=34.77	Pass
			25	23.48	2.37	23.70	<=34.77	Pass
			49	23.32	2.37	23.54	<=34.77	Pass
		25	0	22.40	2.37	22.62	<=34.77	Pass
			13	22.34	2.37	22.56	<=34.77	Pass
			25	22.55	2.37	22.77	<=34.77	Pass
		50	0	22.50	2.37	22.72	<=34.77	Pass
	707.5	1	0	23.12	2.37	23.34	<=34.77	Pass
			25	23.51	2.37	23.73	<=34.77	Pass
			49	23.34	2.37	23.56	<=34.77	Pass
		25	0	22.10	2.37	22.32	<=34.77	Pass
			13	22.38	2.37	22.60	<=34.77	Pass
			25	22.16	2.37	22.38	<=34.77	Pass
		50	0	22.11	2.37	22.33	<=34.77	Pass
	711	1	0	23.25	2.37	23.47	<=34.77	Pass
			25	23.63	2.37	23.85	<=34.77	Pass
			49	23.37	2.37	23.59	<=34.77	Pass
		25	0	22.48	2.37	22.70	<=34.77	Pass
			13	22.48	2.37	22.70	<=34.77	Pass
			25	22.41	2.37	22.63	<=34.77	Pass
		50	0	22.46	2.37	22.68	<=34.77	Pass
16QAM	704	1	0	22.15	2.37	22.37	<=34.77	Pass
			25	22.49	2.37	22.71	<=34.77	Pass
			49	22.29	2.37	22.51	<=34.77	Pass
		25	0	21.46	2.37	21.68	<=34.77	Pass
			13	21.45	2.37	21.67	<=34.77	Pass
			25	21.66	2.37	21.88	<=34.77	Pass
		50	0	21.54	2.37	21.76	<=34.77	Pass
	707.5	1	0	22.31	2.37	22.53	<=34.77	Pass
			25	22.64	2.37	22.86	<=34.77	Pass
			49	22.56	2.37	22.78	<=34.77	Pass
		25	0	21.13	2.37	21.35	<=34.77	Pass
			13	21.40	2.37	21.62	<=34.77	Pass
			25	21.15	2.37	21.37	<=34.77	Pass
		50	0	21.14	2.37	21.36	<=34.77	Pass
	711	1	0	22.73	2.37	22.95	<=34.77	Pass
			25	23.12	2.37	23.34	<=34.77	Pass
			49	22.82	2.37	23.04	<=34.77	Pass
		25	0	21.49	2.37	21.71	<=34.77	Pass
			13	21.51	2.37	21.73	<=34.77	Pass
			25	21.50	2.37	21.72	<=34.77	Pass
		50	0	21.50	2.37	21.72	<=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	-6.166	-0.0088	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
					4.43	-2.646	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-4.835	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-5.636	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-3.963	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-9.441	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-13.604	-0.0194	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-4.992	-0.0071	-2.5 to 2.5	Pass
					3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.848	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0040	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.090	-0.0043	-2.5 to 2.5	Pass
					3.85	-3.734	-0.0052	-2.5 to 2.5	Pass
					4.43	-8.154	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.652	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-7.825	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-3.719	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-4.320	-0.0060	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-10.614	-0.0152	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0084	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-3.204	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-10.700	-0.0153	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-6.680	-0.0095	-2.5 to 2.5	Pass

	707.5	6	0	20	3.27	-5.693	-0.0080	-2.5 to 2.5	Pass
					3.85	-5.922	-0.0084	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.177	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-2.031	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-5.994	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-5.736	-0.0080	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0078	-2.5 to 2.5	Pass
					4.43	-7.324	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-4.706	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-10.371	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-7.596	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0101	-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	-10.700	-0.0153	-2.5 to 2.5	Pass
					3.85	-9.599	-0.0137	-2.5 to 2.5	Pass
					4.43	-5.393	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-6.695	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-7.267	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-5.307	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-7.539	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-9.942	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-9.456	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-7.997	-0.0114	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-4.277	-0.0060	-2.5 to 2.5	Pass
					3.85	-8.097	-0.0114	-2.5 to 2.5	Pass
					4.43	-10.343	-0.0146	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-7.753	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-11.644	-0.0165	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-9.942	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-8.082	-0.0114	-2.5 to 2.5	Pass

	714.5	15	0	20	3.27	-8.812	-0.0123	-2.5 to 2.5	Pass
					3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
					4.43	-9.255	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-5.350	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-7.625	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-7.238	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-6.166	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-7.396	-0.0104	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-7.024	-0.0100	-2.5 to 2.5	Pass
					3.85	-8.454	-0.0121	-2.5 to 2.5	Pass
					4.43	-7.539	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-4.063	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-8.812	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-6.738	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-8.383	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-7.625	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0090	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-6.781	-0.0096	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
					4.43	-7.539	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-3.633	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-6.967	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-9.441	-0.0132	-2.5 to 2.5	Pass
					3.85	-9.484	-0.0133	-2.5 to 2.5	Pass
					4.43	-4.921	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-8.211	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-8.197	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-4.821	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-5.980	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-9.584	-0.0134	-2.5 to 2.5	Pass
				30	3.85	-9.241	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-9.685	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-9.227	-0.0129	-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	-3.605	-0.0051	-2.5 to 2.5	Pass
					3.85	-7.339	-0.0105	-2.5 to 2.5	Pass
					4.43	-10.929	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-5.879	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-7.296	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-10.057	-0.0143	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0063	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-7.310	-0.0103	-2.5 to 2.5	Pass
					3.85	-7.424	-0.0105	-2.5 to 2.5	Pass
					4.43	-9.985	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-4.249	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-7.296	-0.0103	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.995	-0.0098	-2.5 to 2.5	Pass
					3.85	-6.151	-0.0086	-2.5 to 2.5	Pass
					4.43	-5.522	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-4.735	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-8.354	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-9.899	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-8.326	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-6.108	-0.0087	-2.5 to 2.5	Pass
					3.85	-5.908	-0.0084	-2.5 to 2.5	Pass
					4.43	-8.554	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-8.497	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-5.093	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-7.882	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0049	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-7.167	-0.0101	-2.5 to 2.5	Pass
					3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.951	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-3.133	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-6.752	-0.0095	-2.5 to 2.5	Pass
					3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
					4.43	-3.834	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-2.446	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.822	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-9.542	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-8.168	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0064	-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	-5.679	-0.0081	-2.5 to 2.5	Pass
					3.85	-3.991	-0.0057	-2.5 to 2.5	Pass
					4.43	-6.108	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-7.596	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-7.081	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-3.090	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-7.453	-0.0106	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-6.609	-0.0093	-2.5 to 2.5	Pass
					3.85	-7.367	-0.0104	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-8.168	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.292	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-5.093	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-6.652	-0.0094	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-4.878	-0.0069	-2.5 to 2.5	Pass
					3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
					4.43	-6.738	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-6.609	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-3.533	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-7.310	-0.0103	-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	-4.749	-0.0067	-2.5 to 2.5	Pass
					3.85	-4.334	-0.0062	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-7.195	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-7.710	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-10.557	-0.0150	-2.5 to 2.5	Pass
				10	3.85	-3.004	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-4.735	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-7.725	-0.0110	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-9.756	-0.0138	-2.5 to 2.5	Pass
					3.85	-11.601	-0.0164	-2.5 to 2.5	Pass
					4.43	-7.253	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-6.480	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-8.082	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-8.297	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-9.112	-0.0129	-2.5 to 2.5	Pass
				50	3.85	-7.153	-0.0101	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-4.292	-0.0060	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-7.467	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-9.484	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-10.343	-0.0145	-2.5 to 2.5	Pass
				50	3.85	-11.787	-0.0166	-2.5 to 2.5	Pass

3. Modulation Characteristics

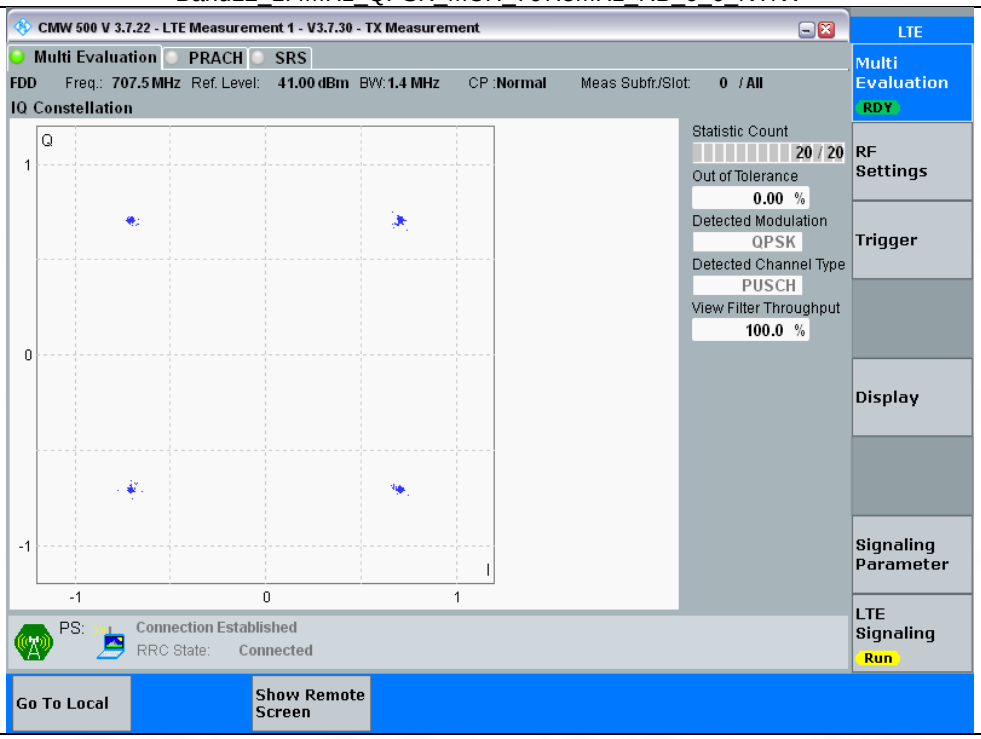
3.1 B12_1.4MHz

3.1.1 Test Result

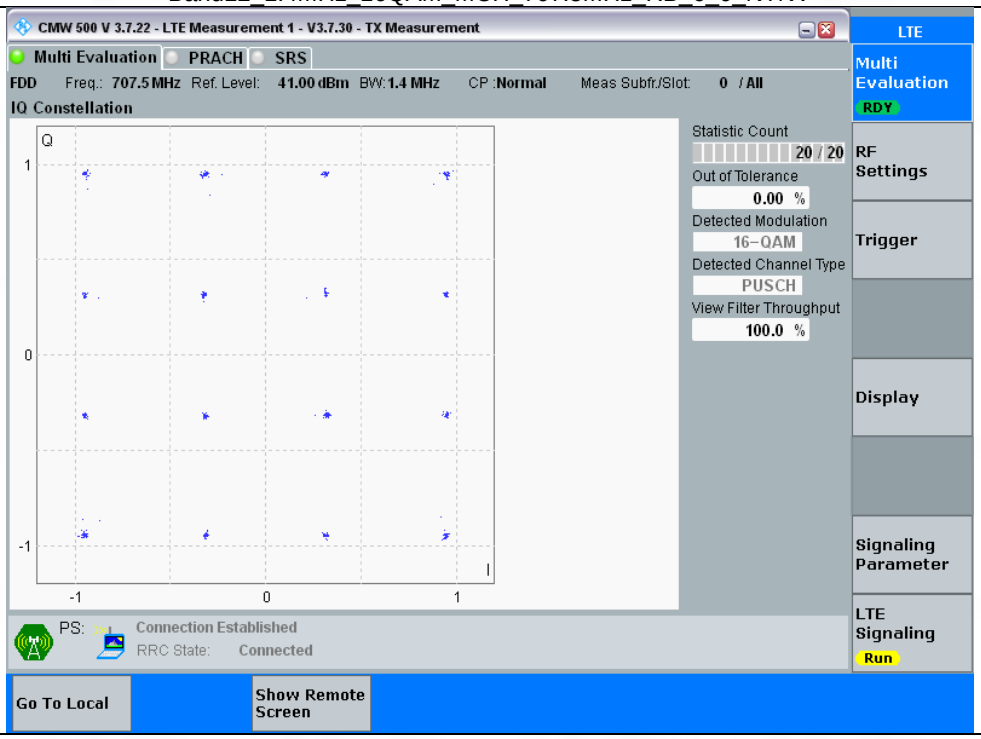
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

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



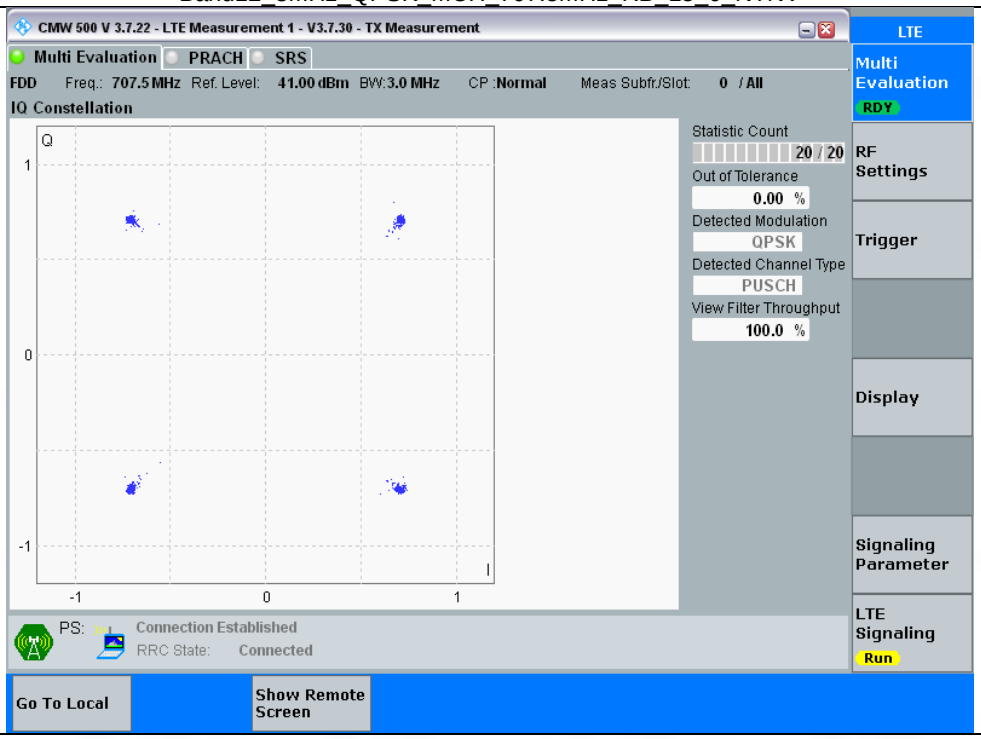
3.2 B12_3MHz

3.2.1 Test Result

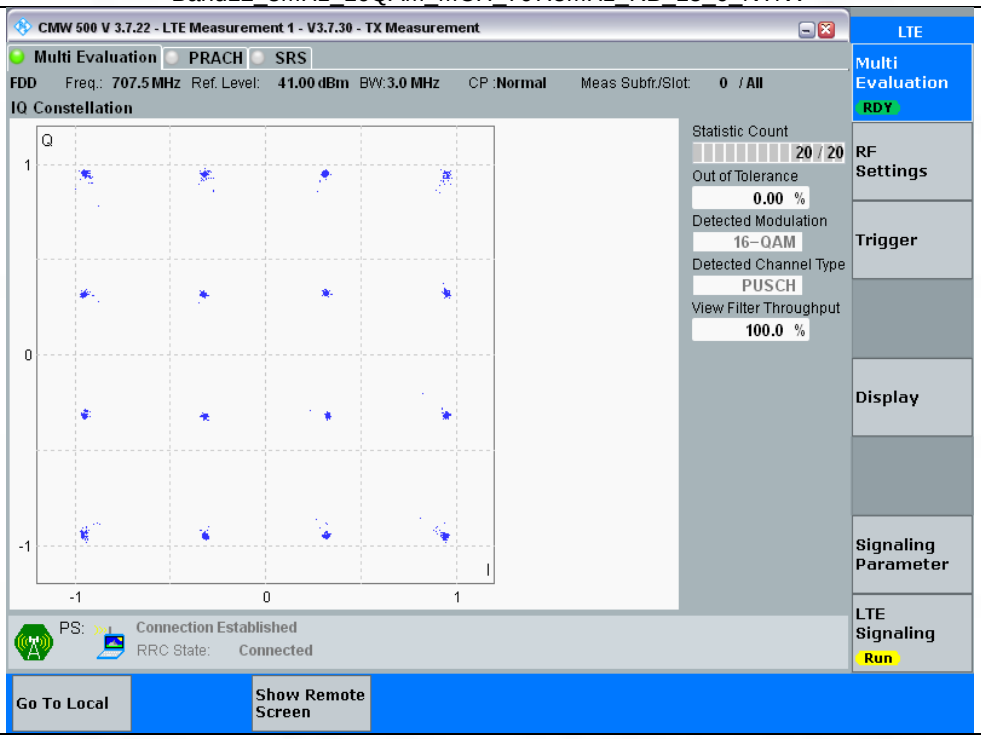
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

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



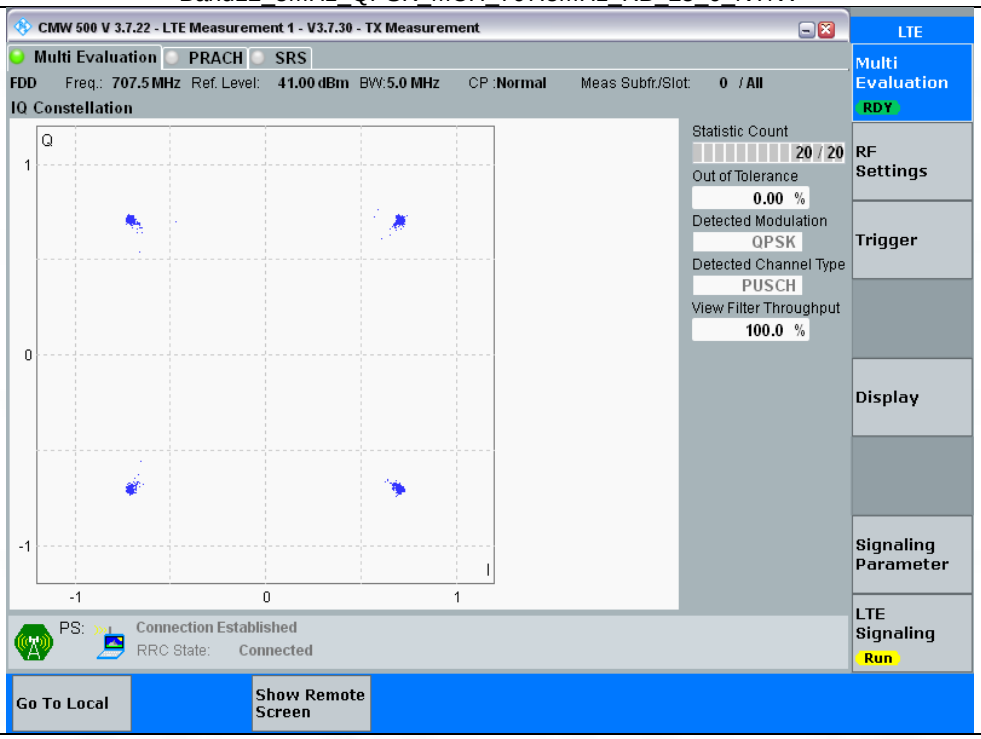
3.3 B12_5MHz

3.3.1 Test Result

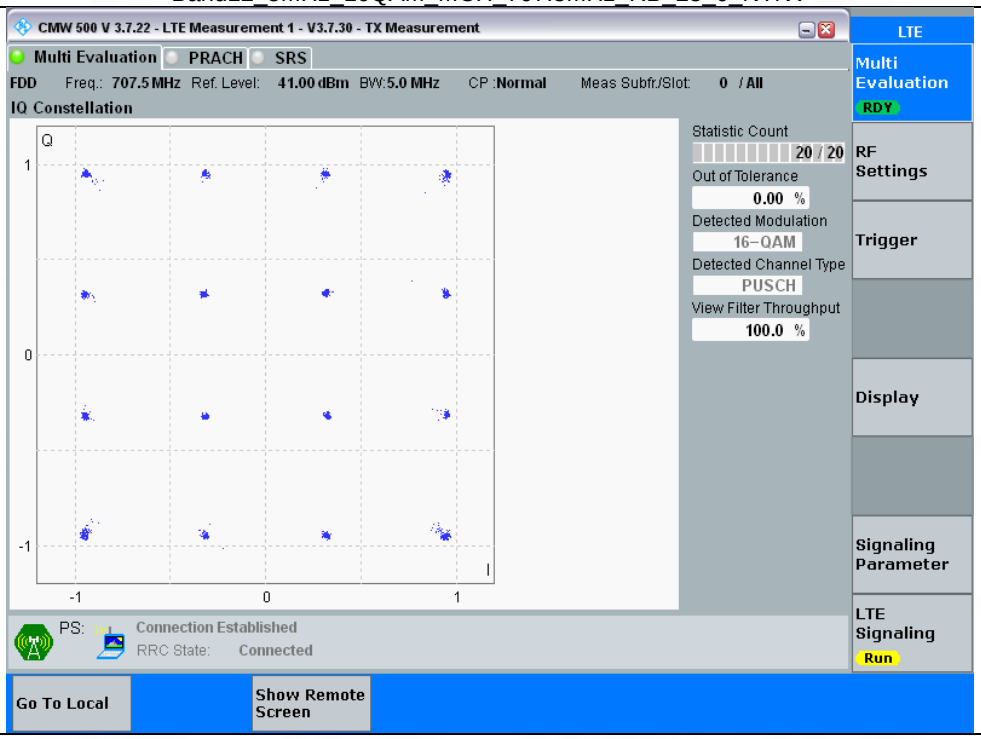
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

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



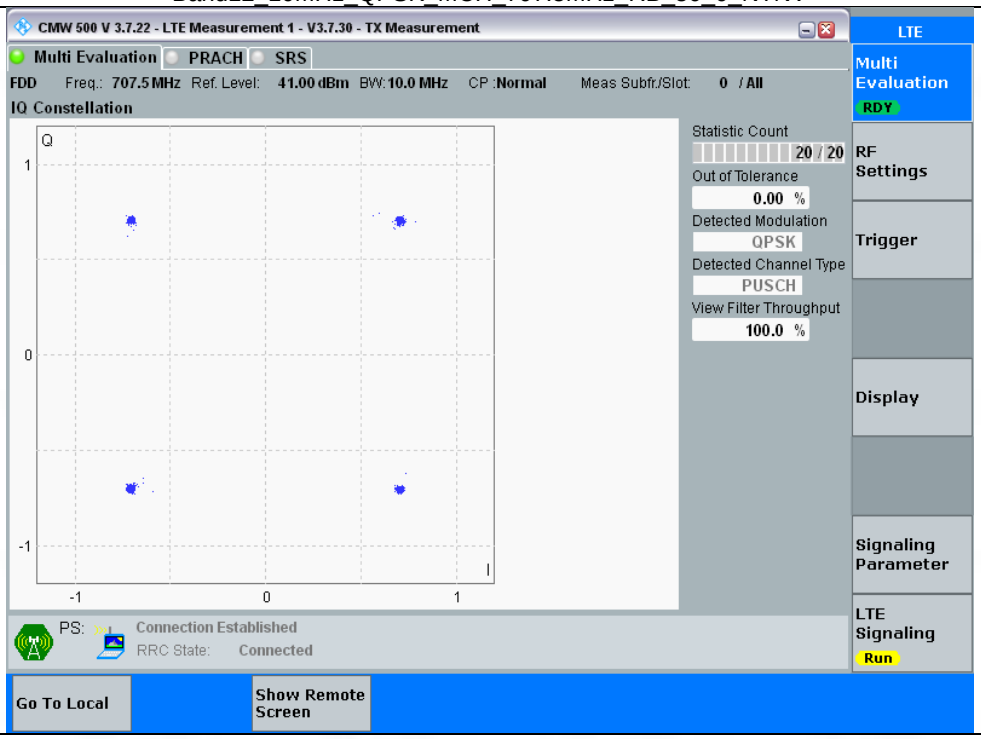
3.4 B12_10MHz

3.4.1 Test Result

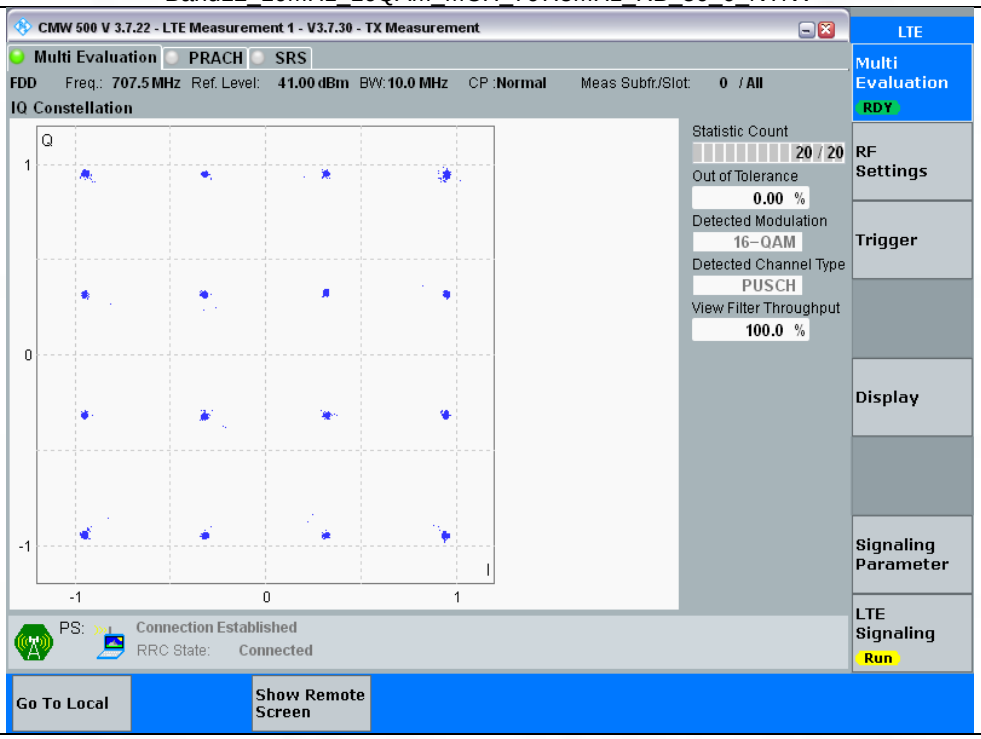
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

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

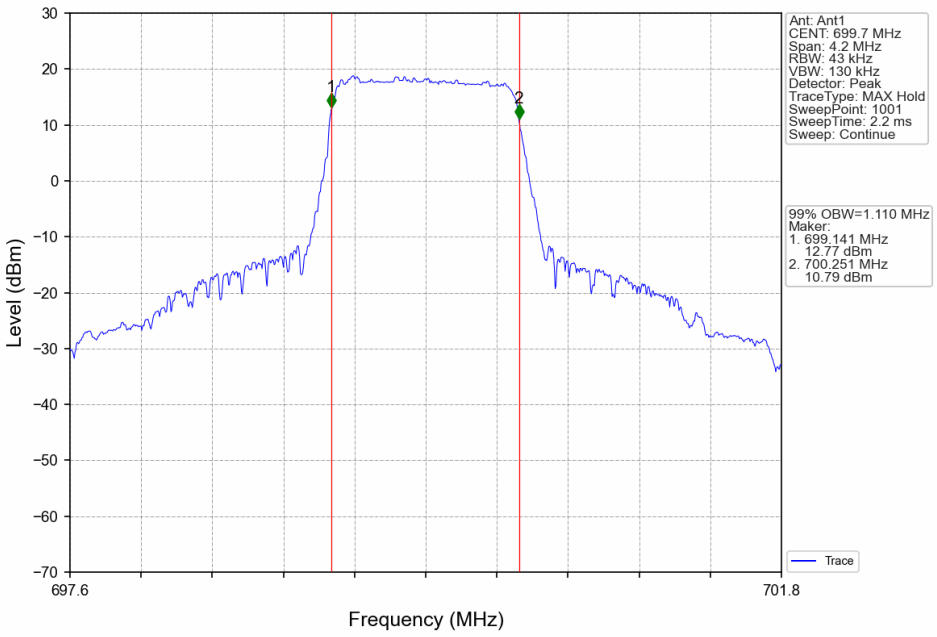
4.1 Band12_OBW

4.1.1 Test Result

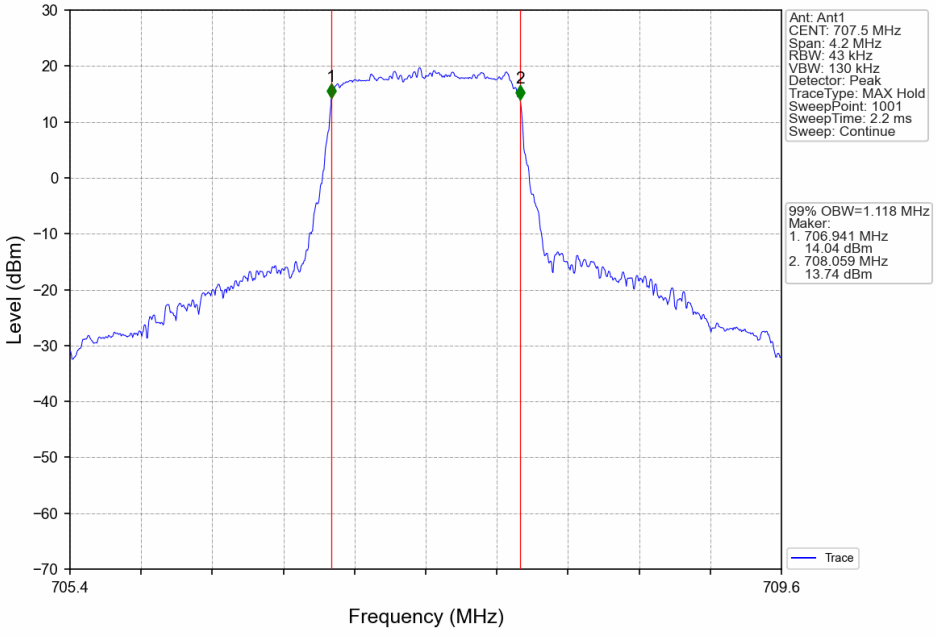
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.110	Pass
		707.5	6	0	1.118	Pass
		715.3	6	0	1.115	Pass
	16QAM	699.7	6	0	1.117	Pass
		707.5	6	0	1.112	Pass
		715.3	6	0	1.105	Pass
3	QPSK	700.5	15	0	2.728	Pass
		707.5	15	0	2.720	Pass
		714.5	15	0	2.727	Pass
	16QAM	700.5	15	0	2.725	Pass
		707.5	15	0	2.719	Pass
		714.5	15	0	2.719	Pass
5	QPSK	701.5	25	0	4.566	Pass
		707.5	25	0	4.543	Pass
		713.5	25	0	4.595	Pass
	16QAM	701.5	25	0	4.609	Pass
		707.5	25	0	4.570	Pass
		713.5	25	0	4.601	Pass
10	QPSK	704	50	0	9.141	Pass
		707.5	50	0	8.978	Pass
		711	50	0	9.098	Pass
	16QAM	704	50	0	9.099	Pass
		707.5	50	0	9.000	Pass
		711	50	0	9.080	Pass

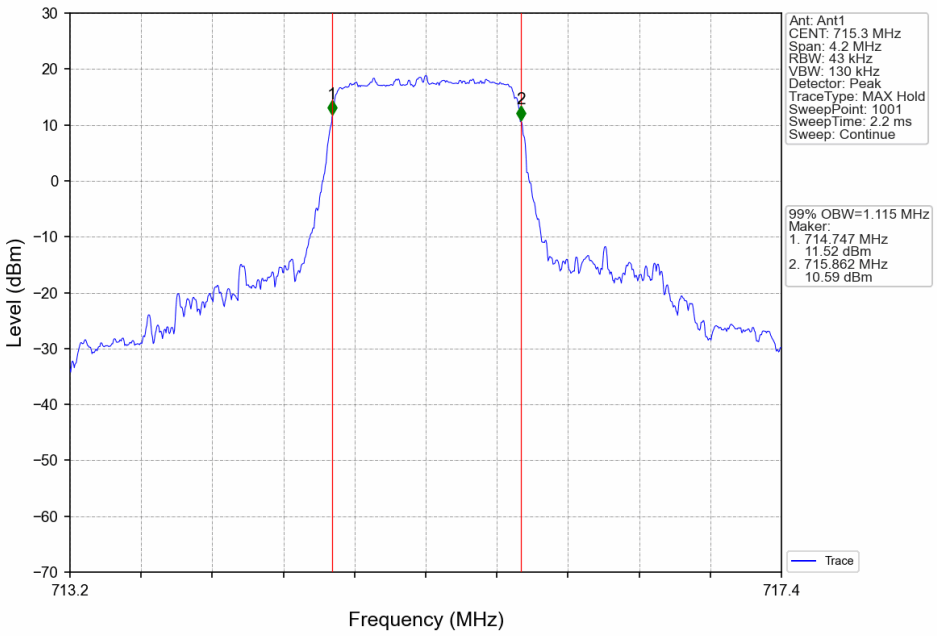
4.1.2 Test Graph

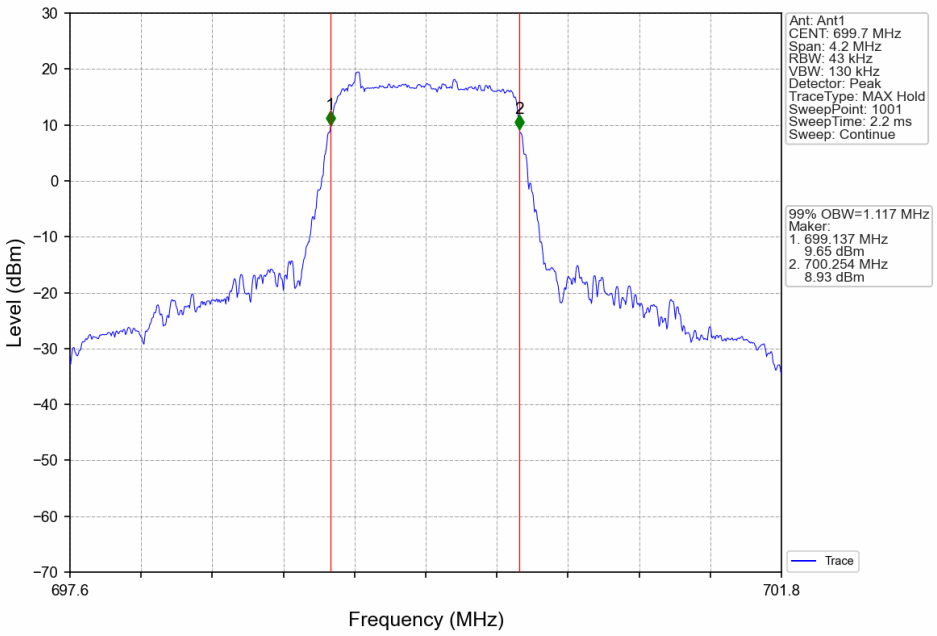
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



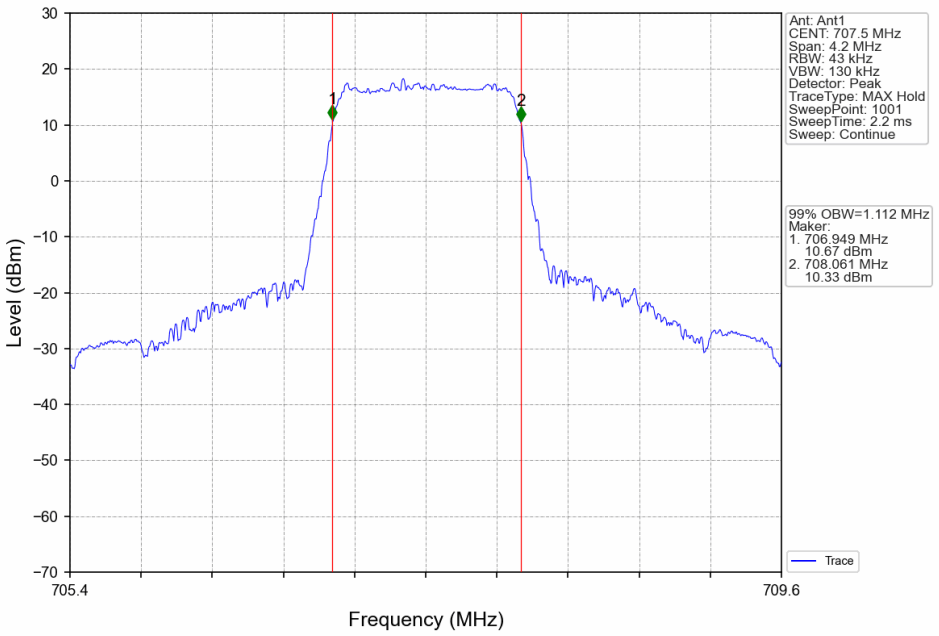
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



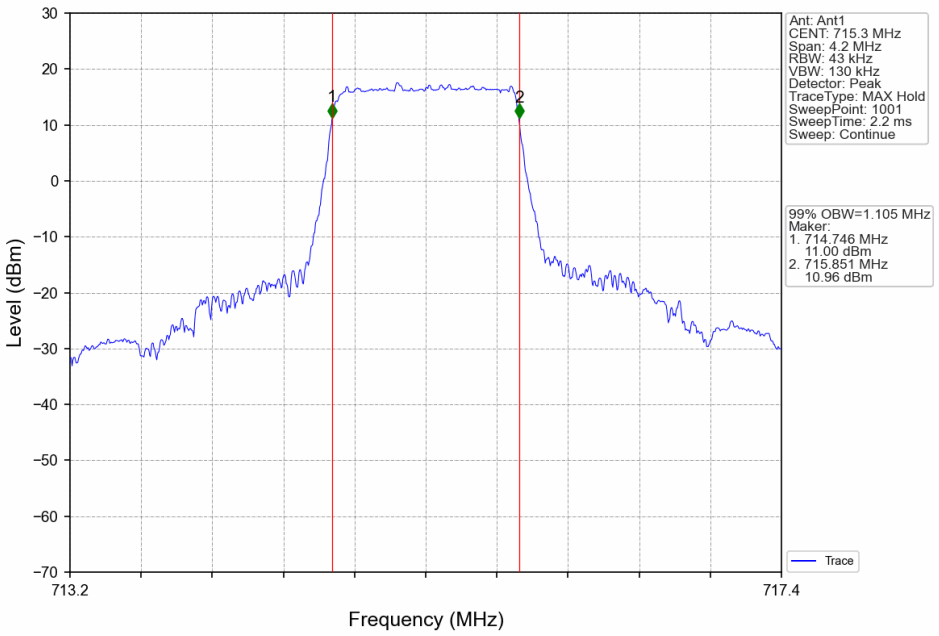
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV


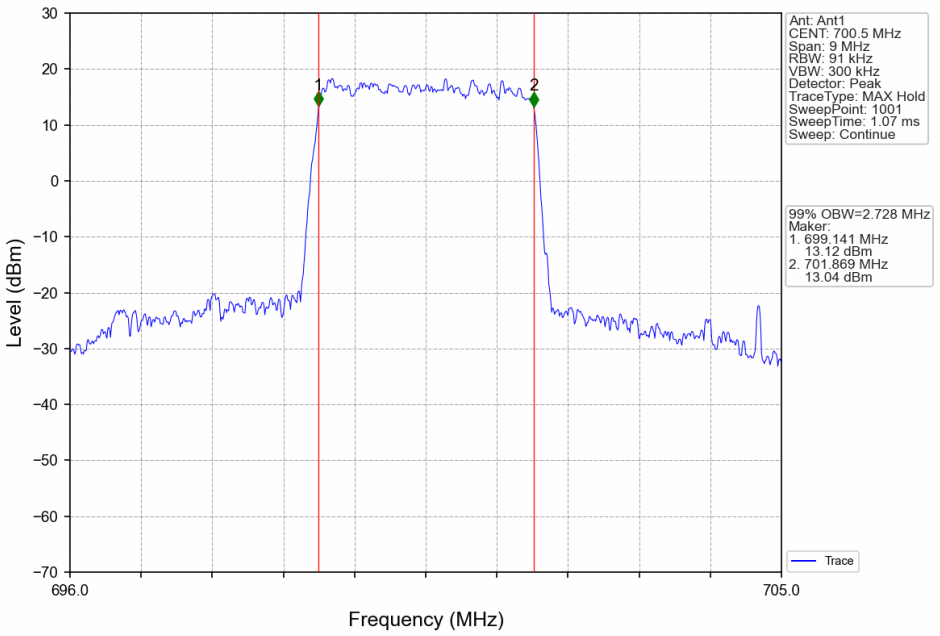
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



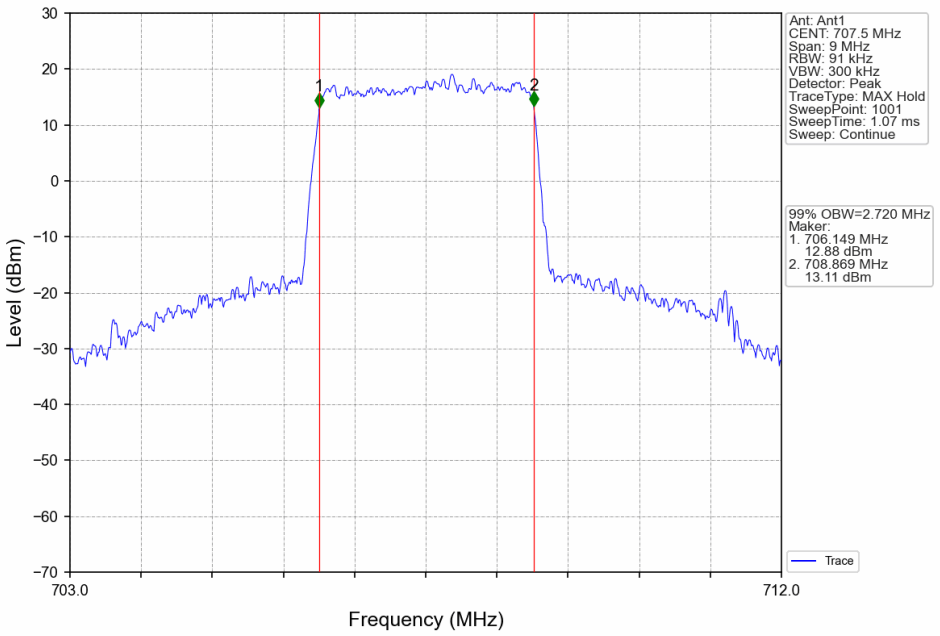
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



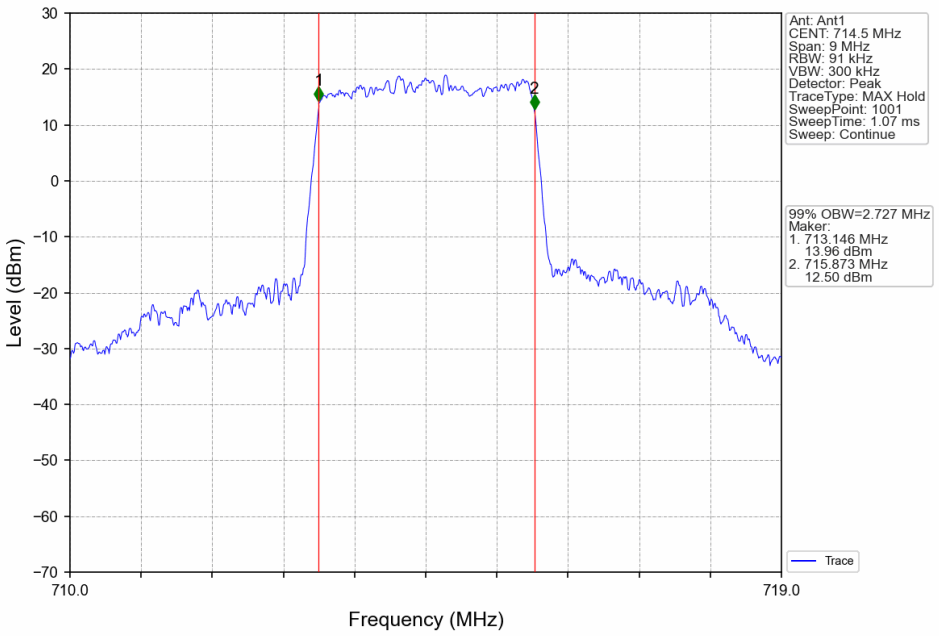
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



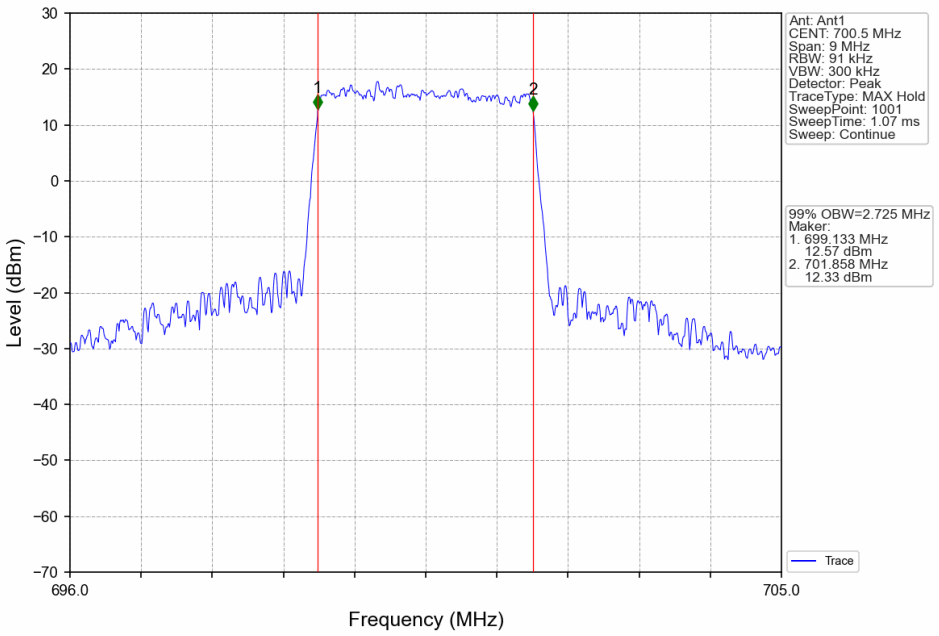
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



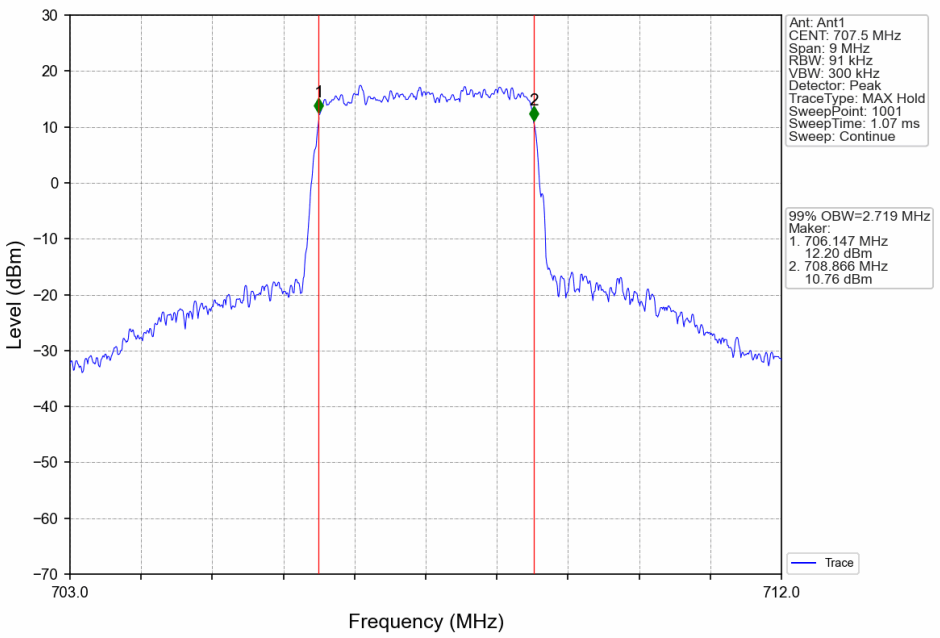
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



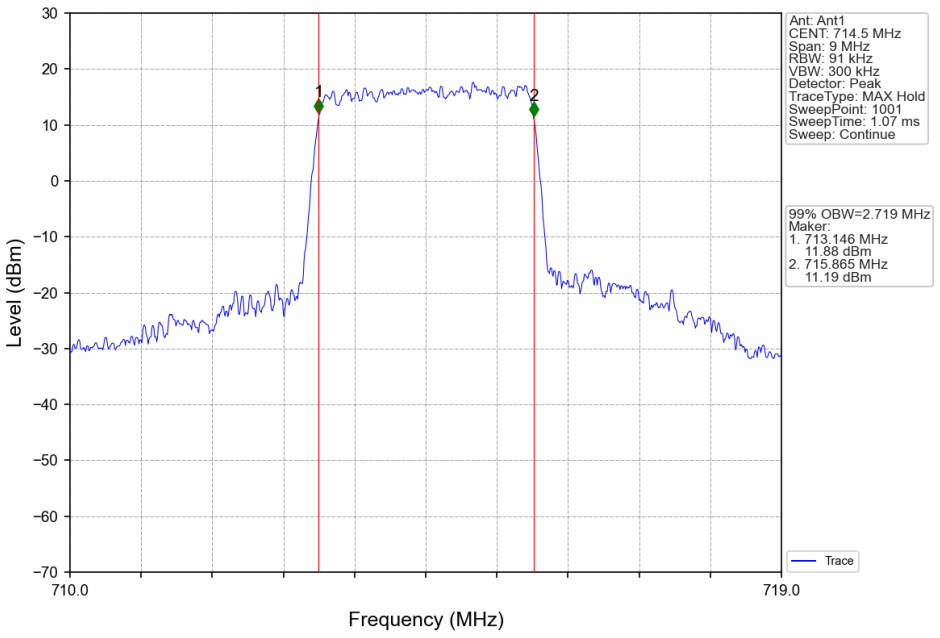
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



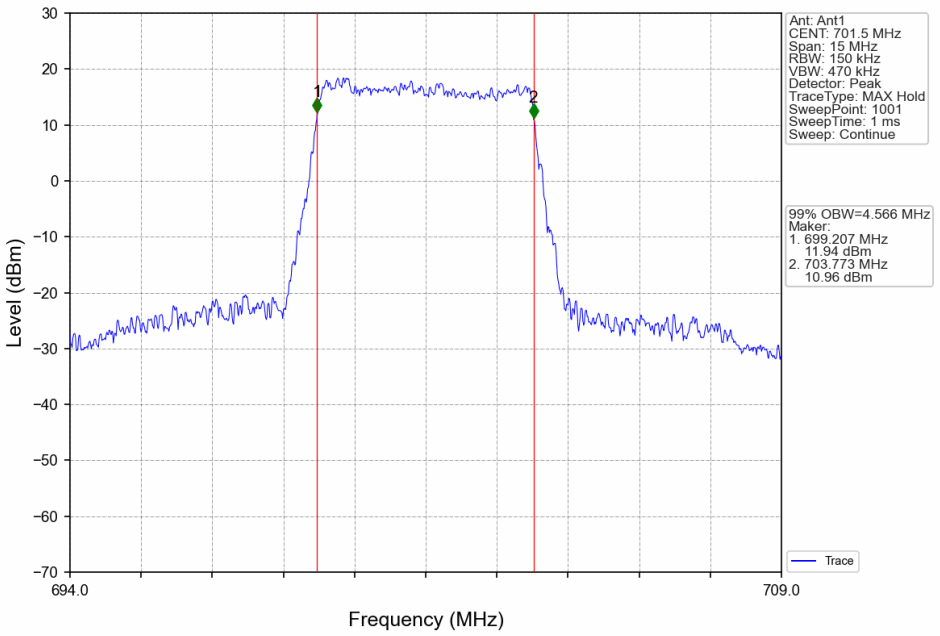
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



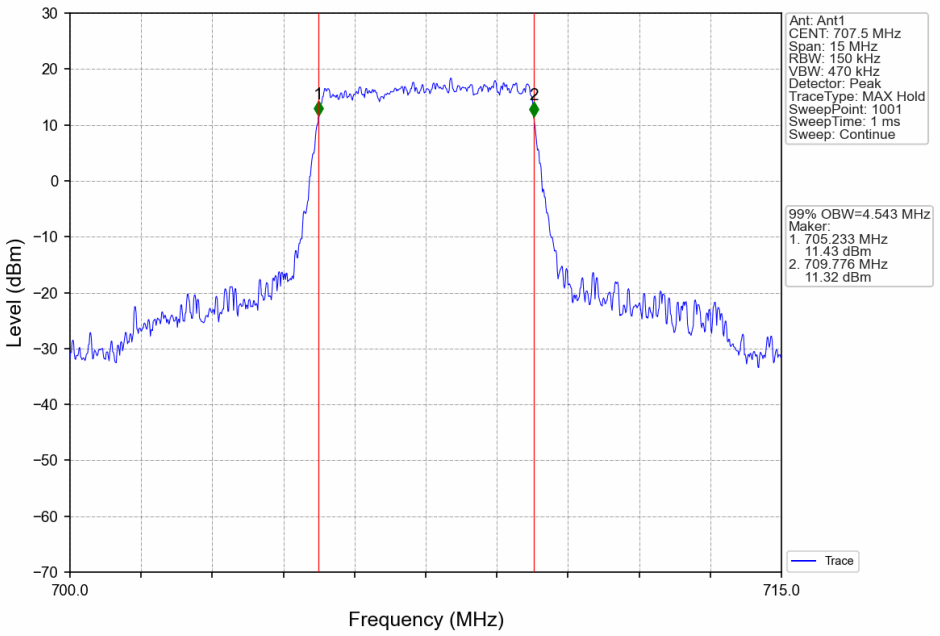
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



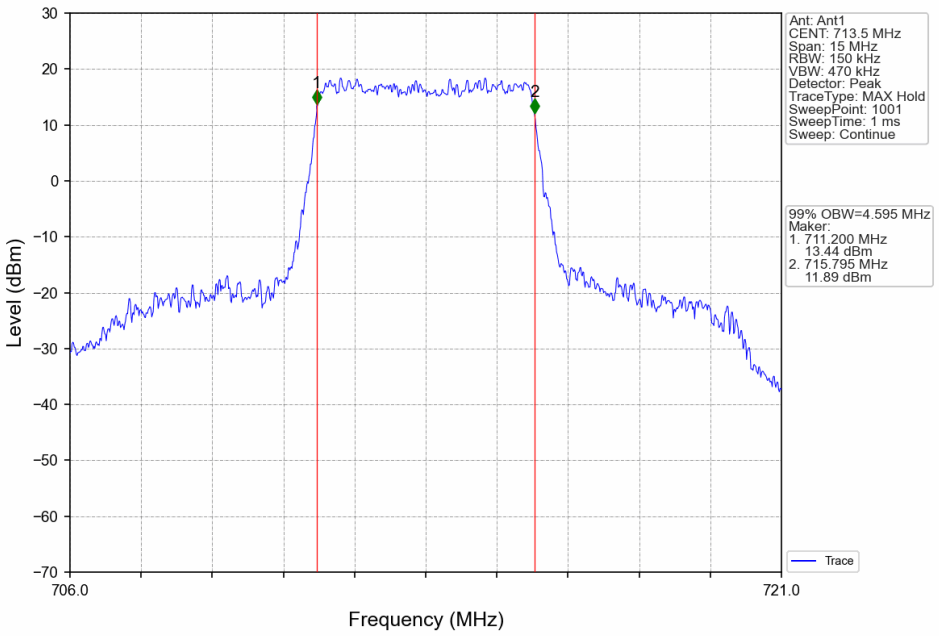
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



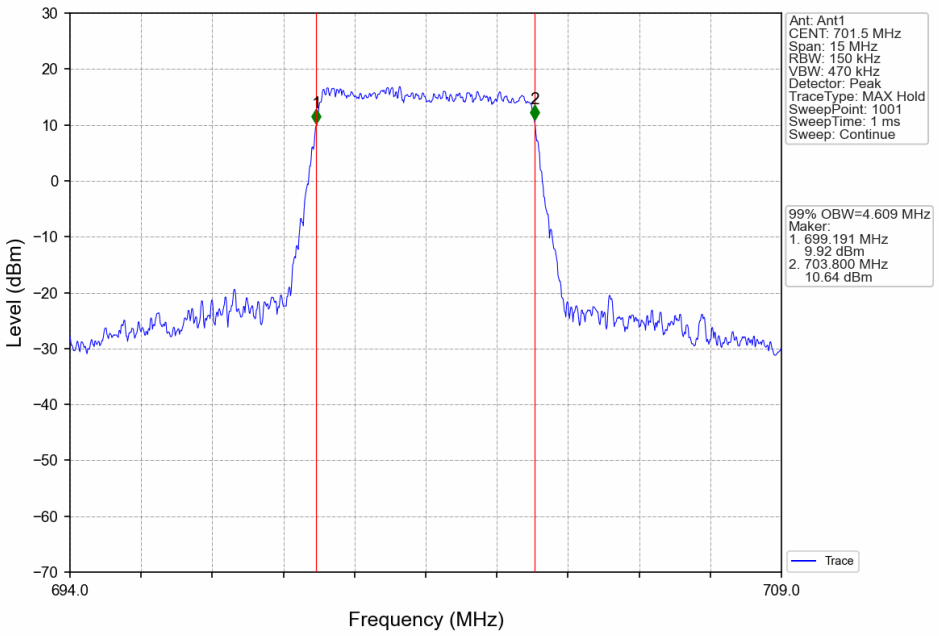
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



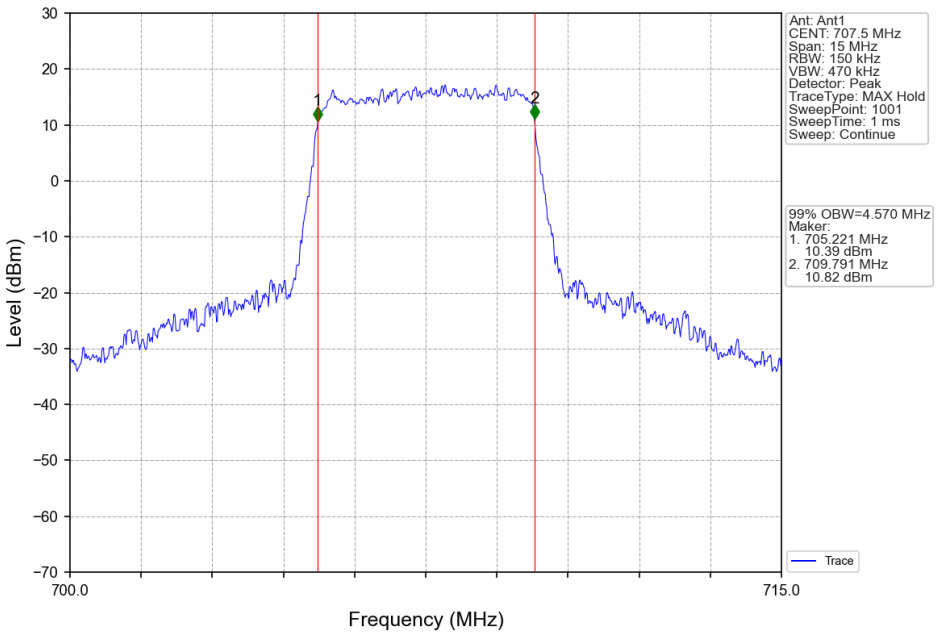
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



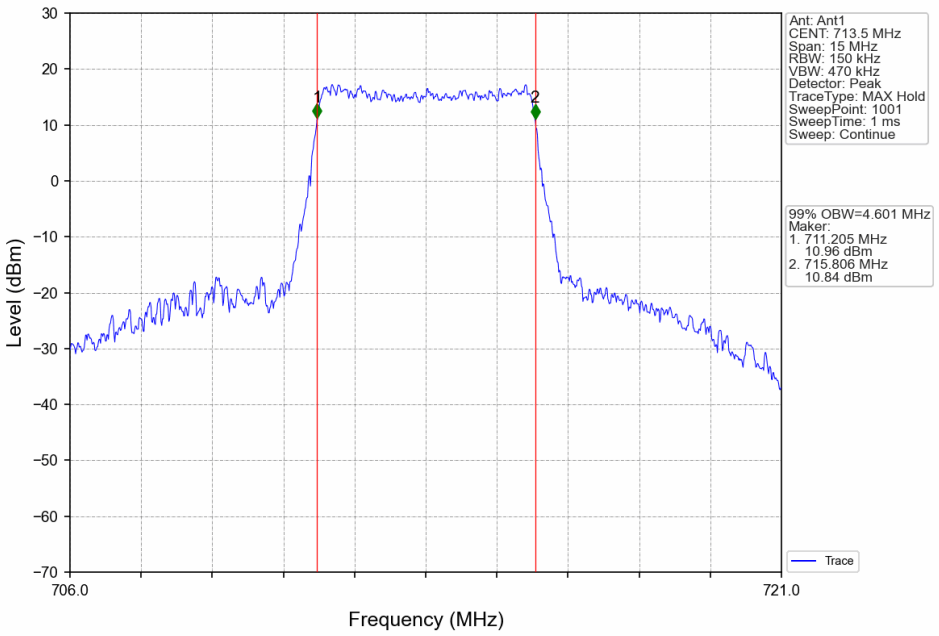
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



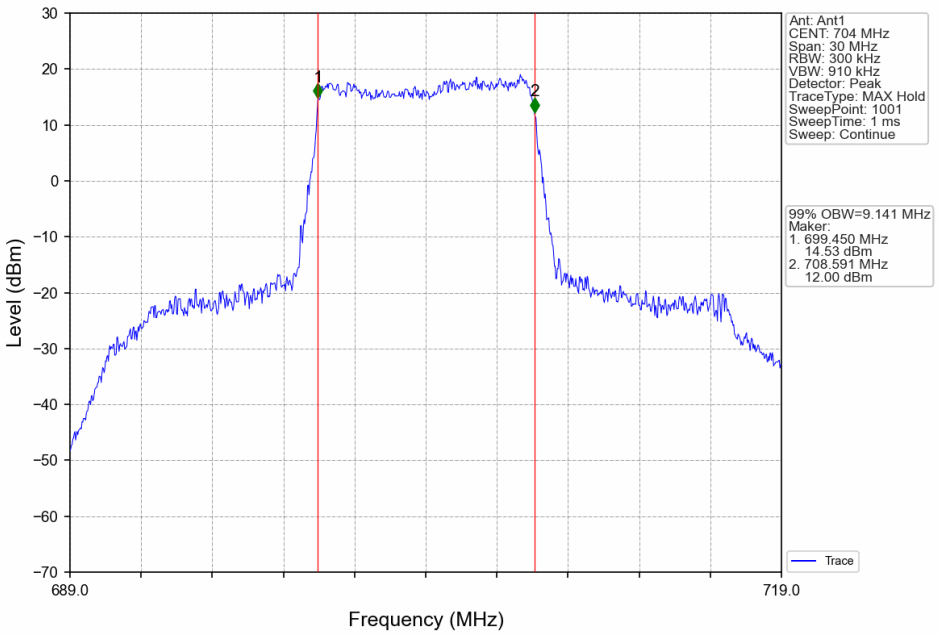
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



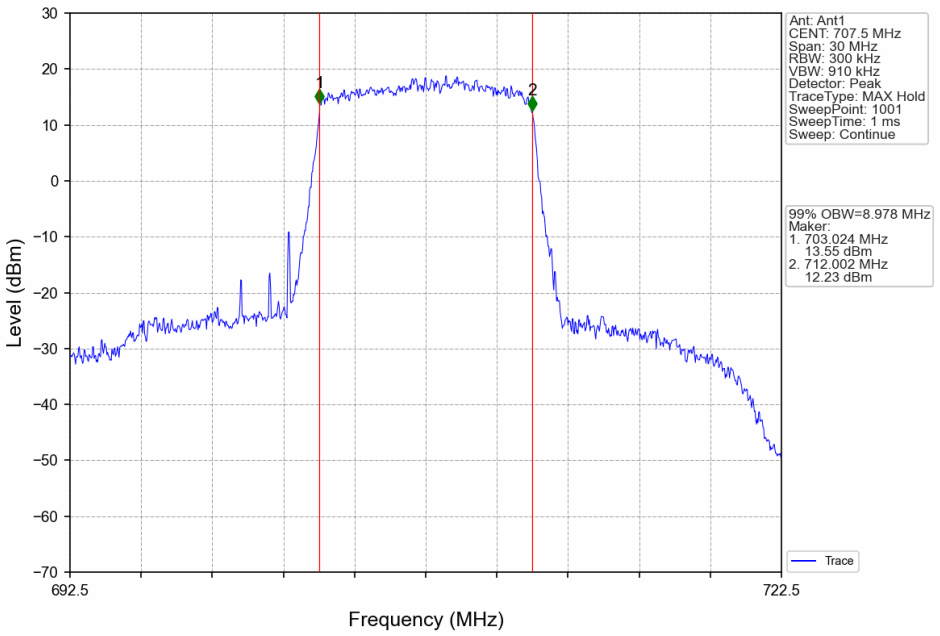
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



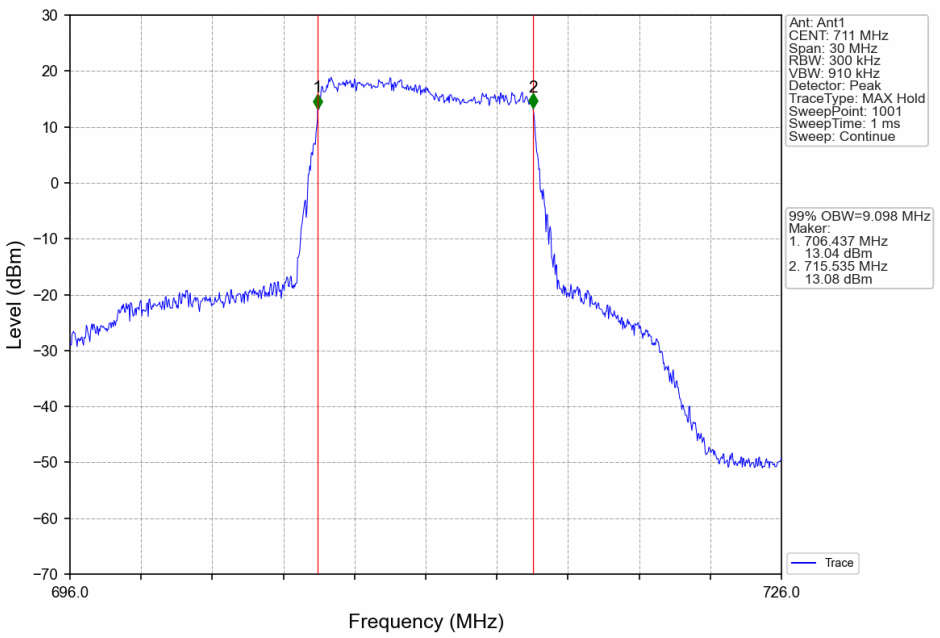
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



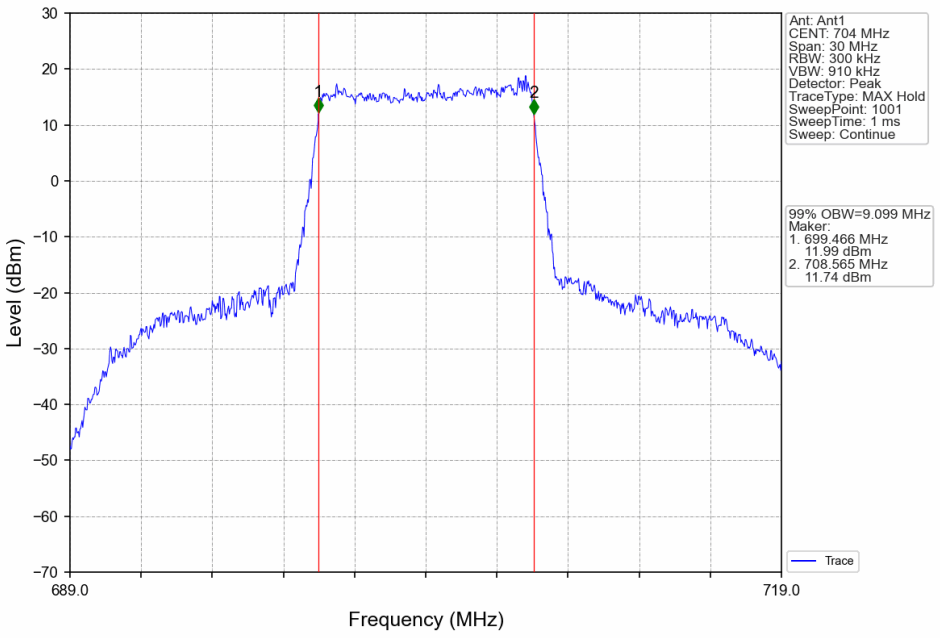
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



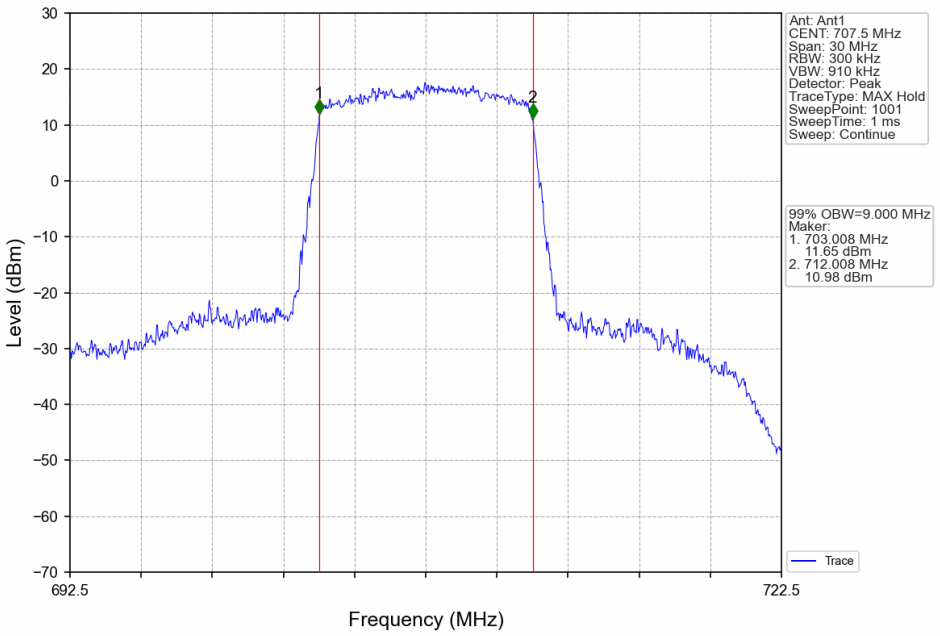
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



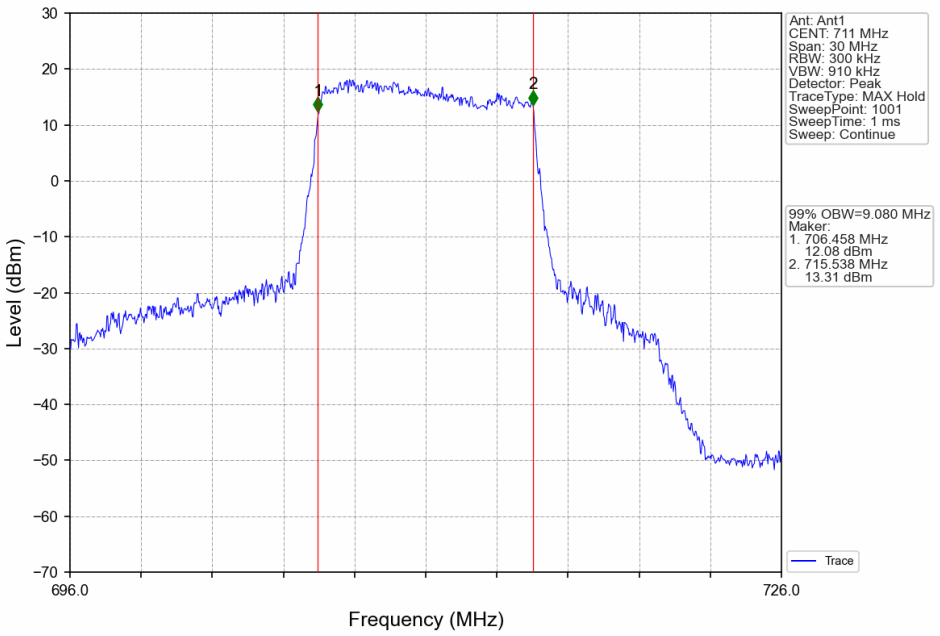
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



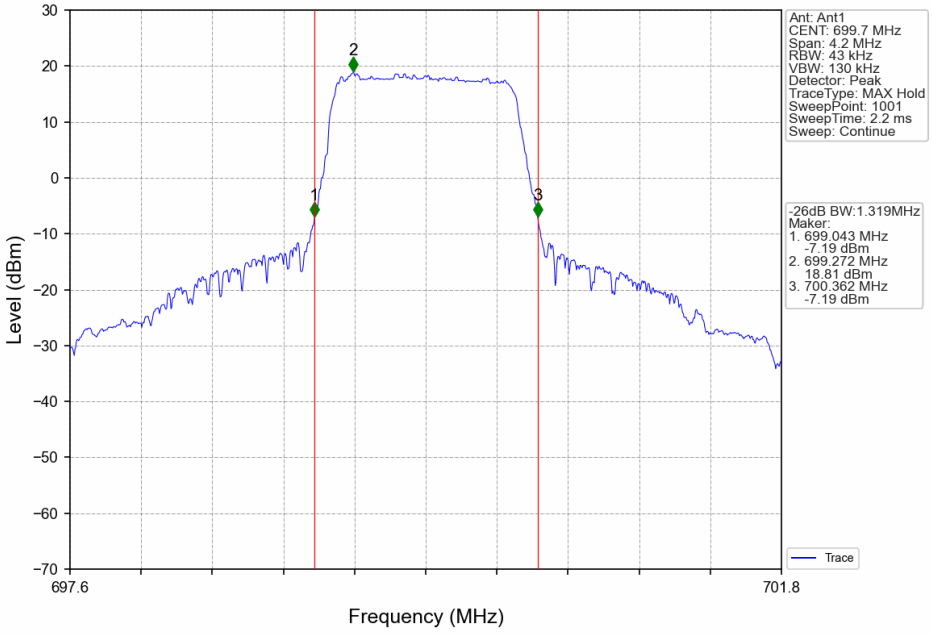
4.2 Band12_XDB

4.2.1 Test Result

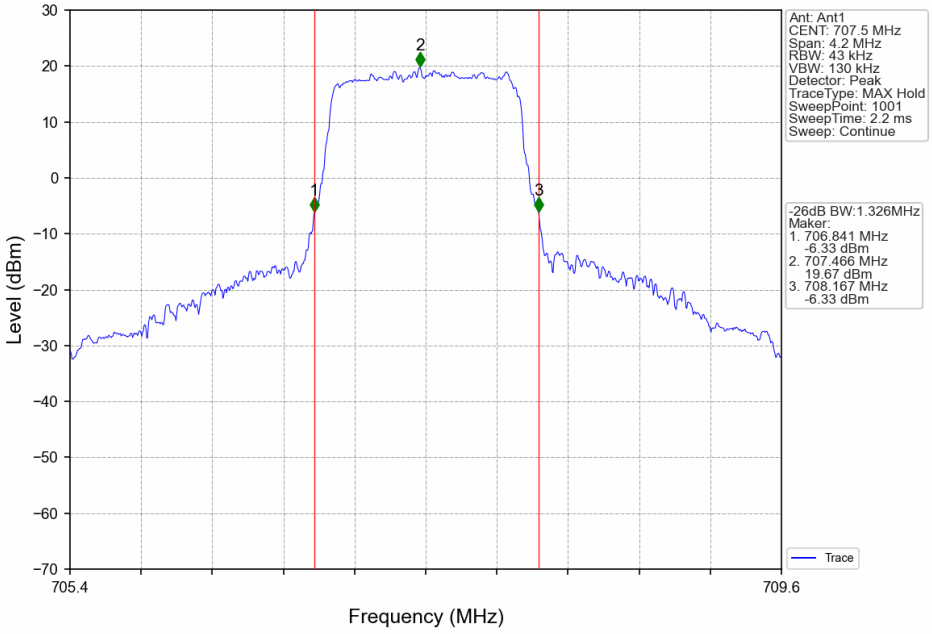
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.319	Pass
		707.5	6	0	1.326	Pass
		715.3	6	0	1.325	Pass
	16QAM	699.7	6	0	1.327	Pass
		707.5	6	0	1.324	Pass
		715.3	6	0	1.315	Pass
3	QPSK	700.5	15	0	2.985	Pass
		707.5	15	0	2.977	Pass
		714.5	15	0	2.998	Pass
	16QAM	700.5	15	0	2.990	Pass
		707.5	15	0	2.999	Pass
		714.5	15	0	2.990	Pass
5	QPSK	701.5	25	0	5.189	Pass
		707.5	25	0	5.195	Pass
		713.5	25	0	5.299	Pass
	16QAM	701.5	25	0	5.319	Pass
		707.5	25	0	5.238	Pass
		713.5	25	0	5.337	Pass
10	QPSK	704	50	0	10.326	Pass
		707.5	50	0	10.030	Pass
		711	50	0	10.358	Pass
	16QAM	704	50	0	10.260	Pass
		707.5	50	0	10.023	Pass
		711	50	0	10.094	Pass

4.2.2 Test Graph

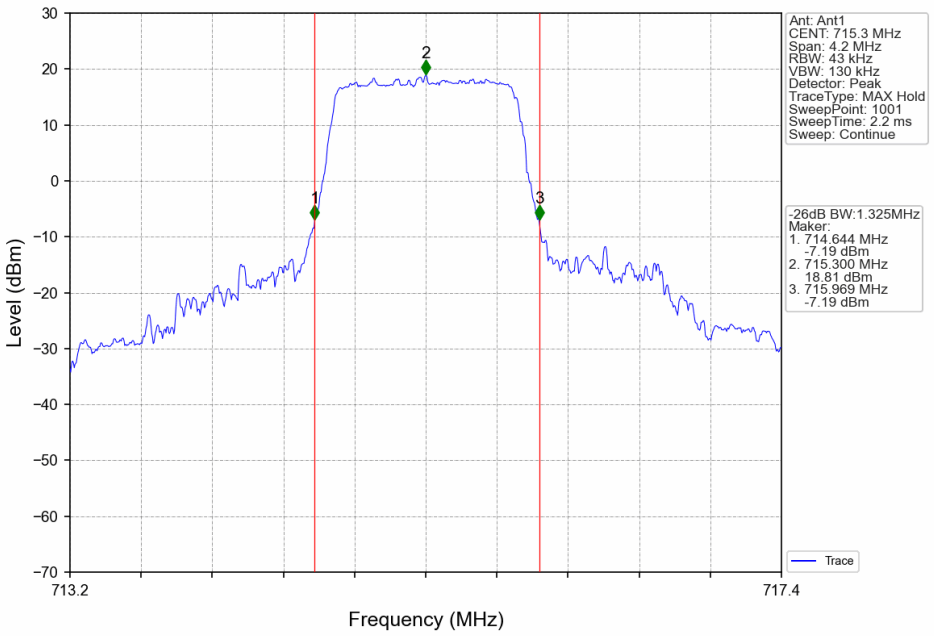
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



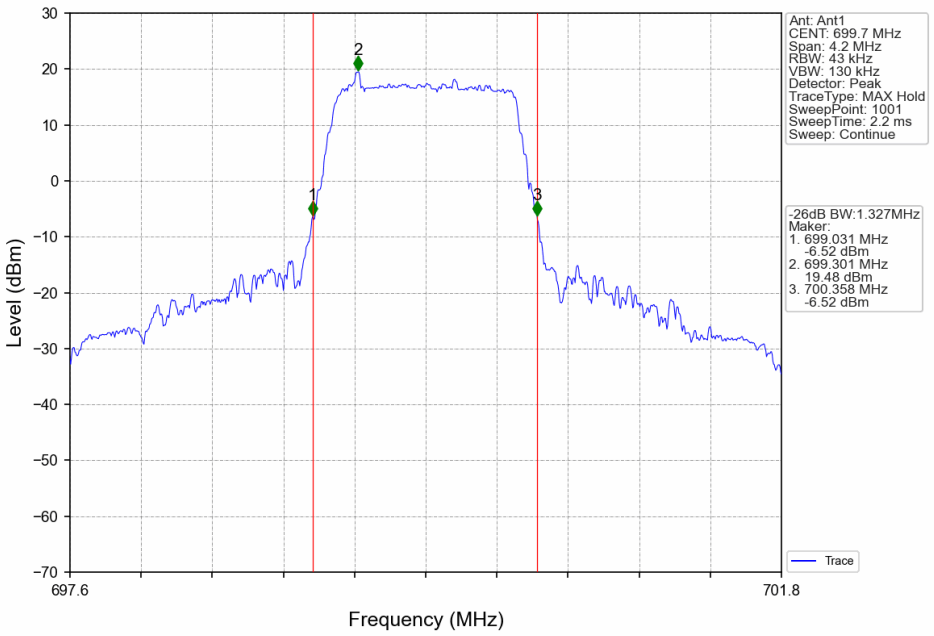
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



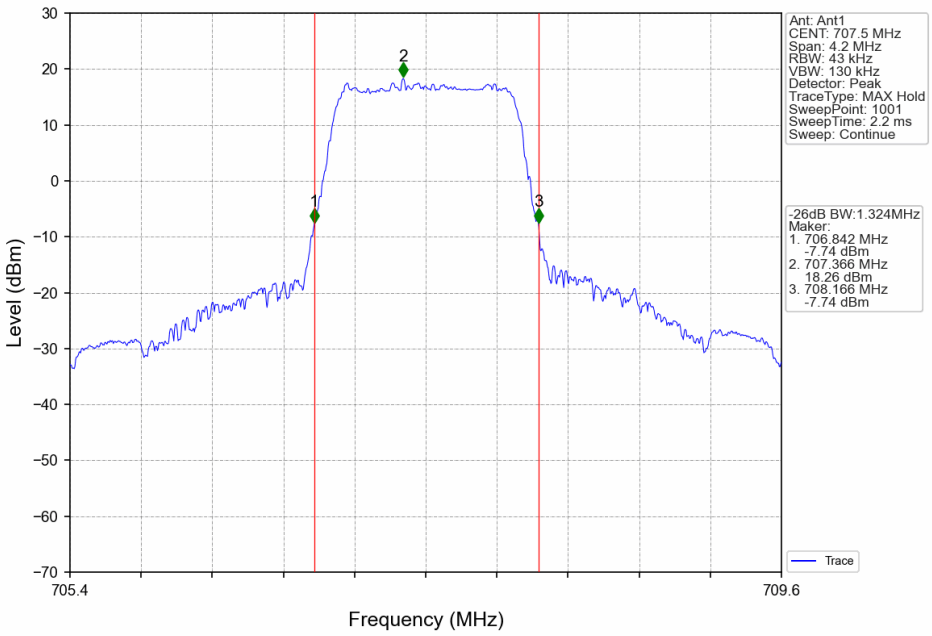
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



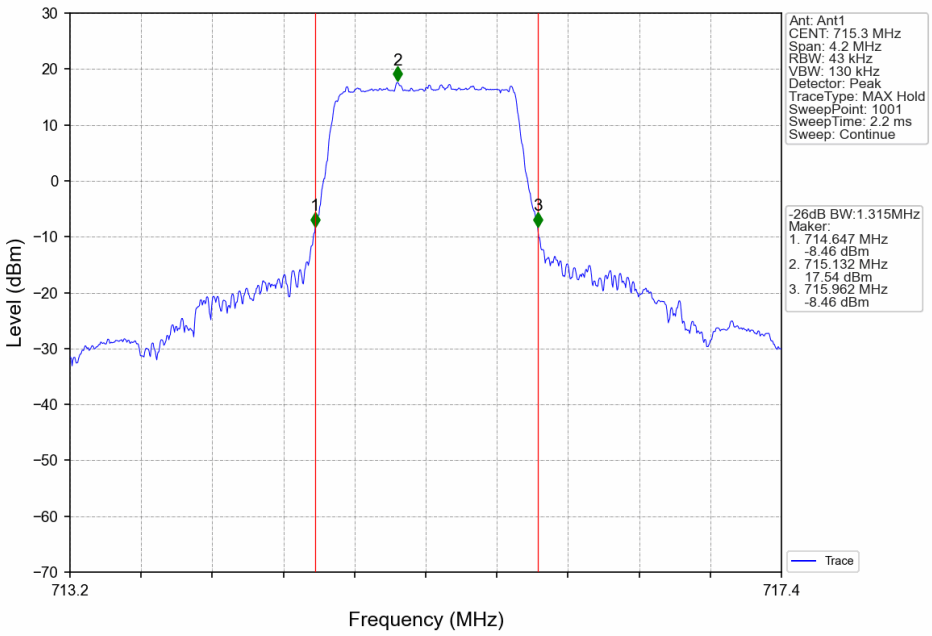
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



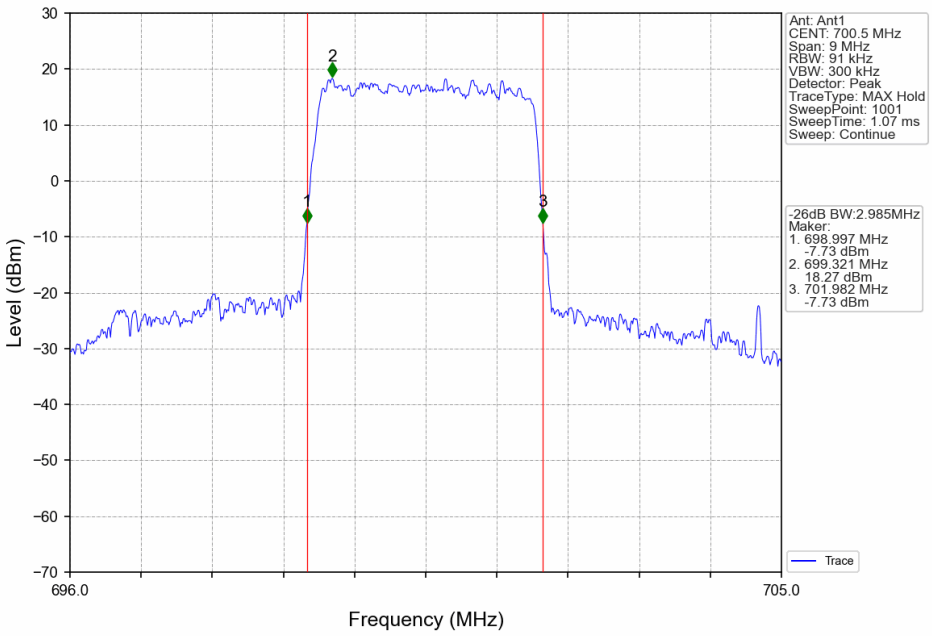
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



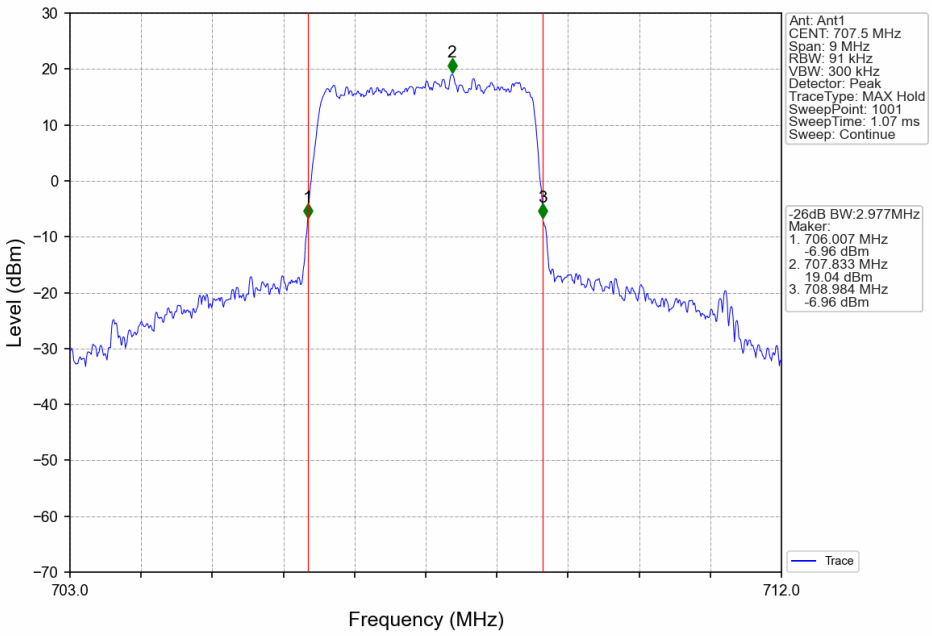
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



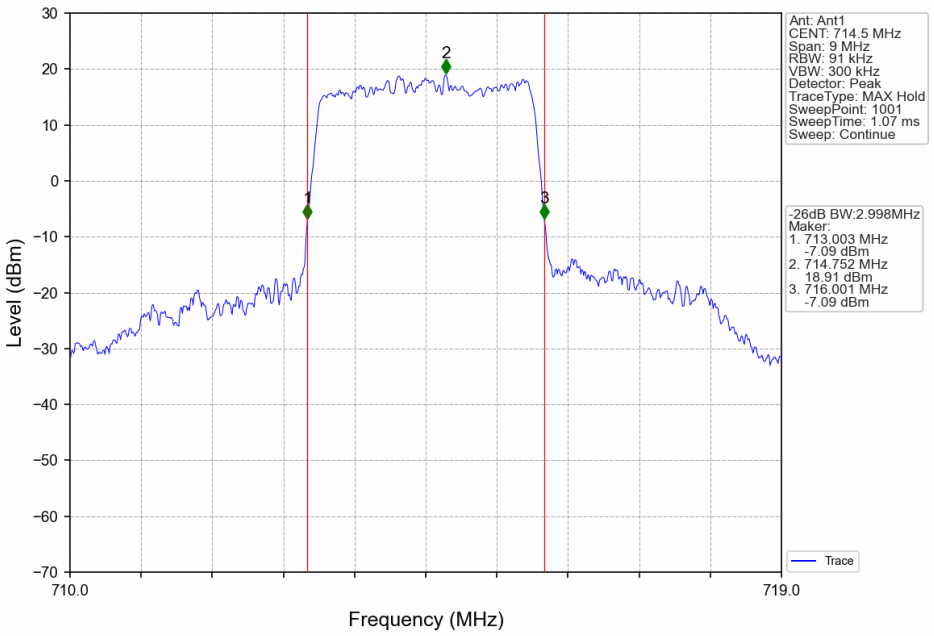
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



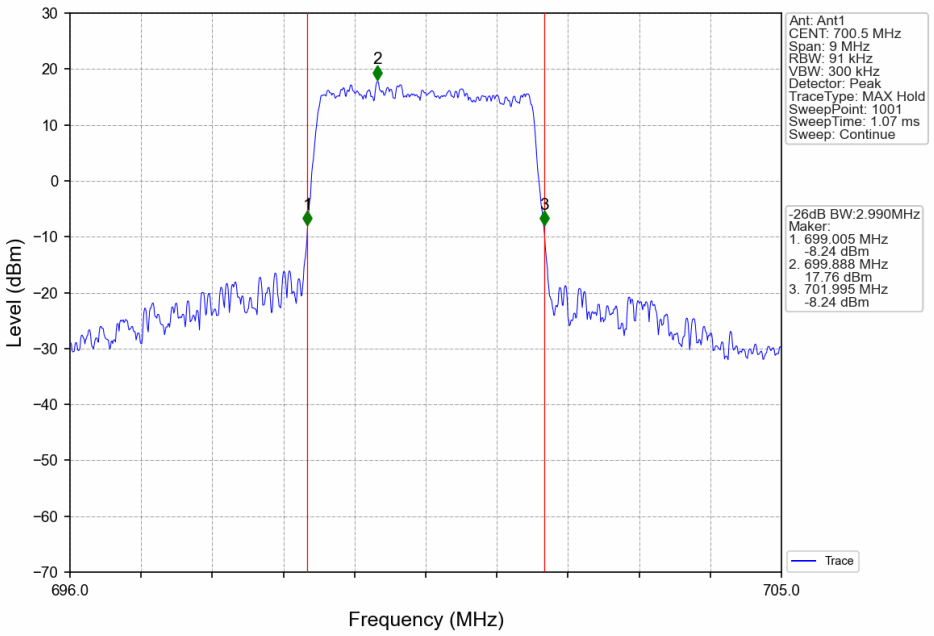
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



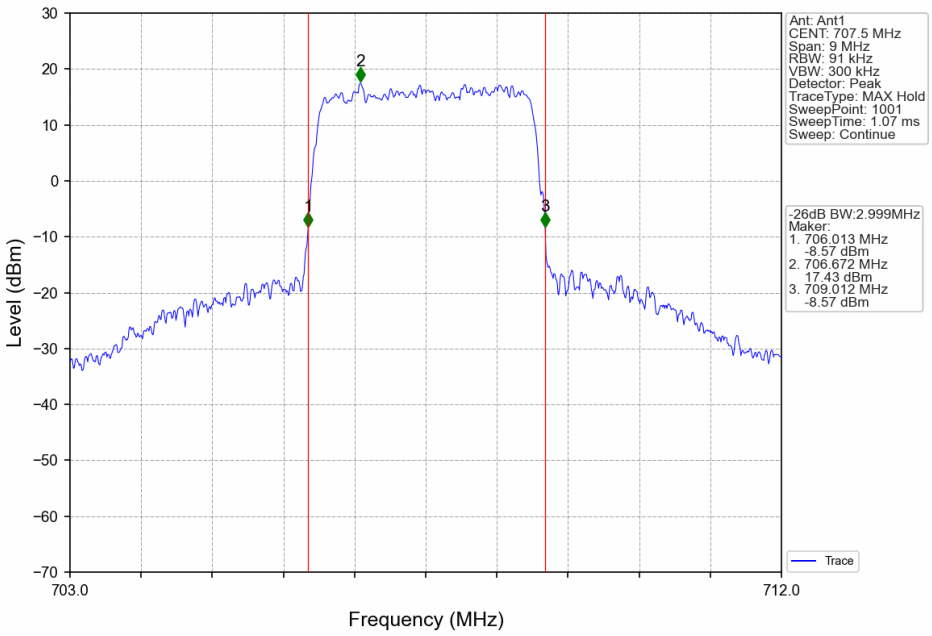
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



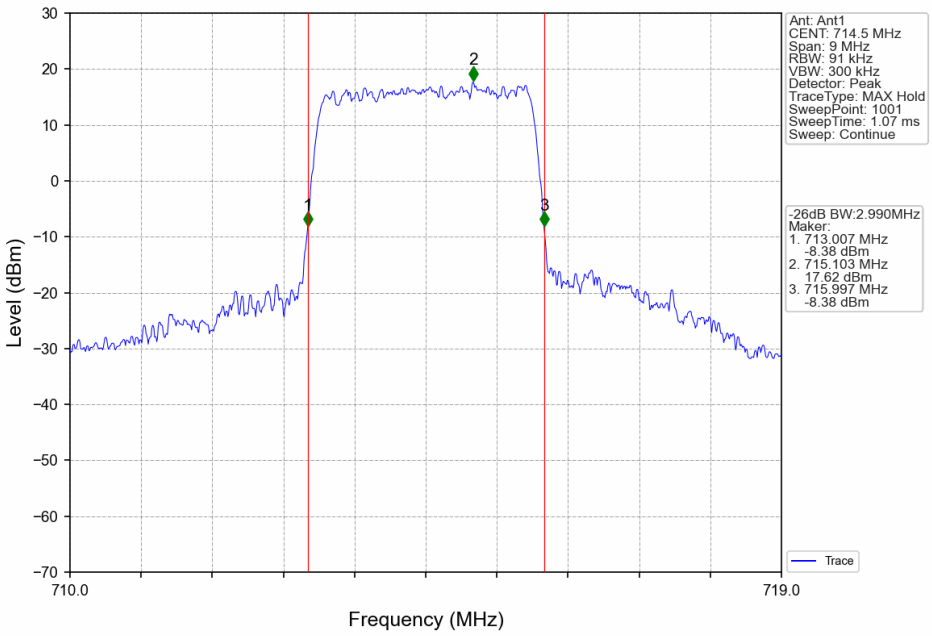
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



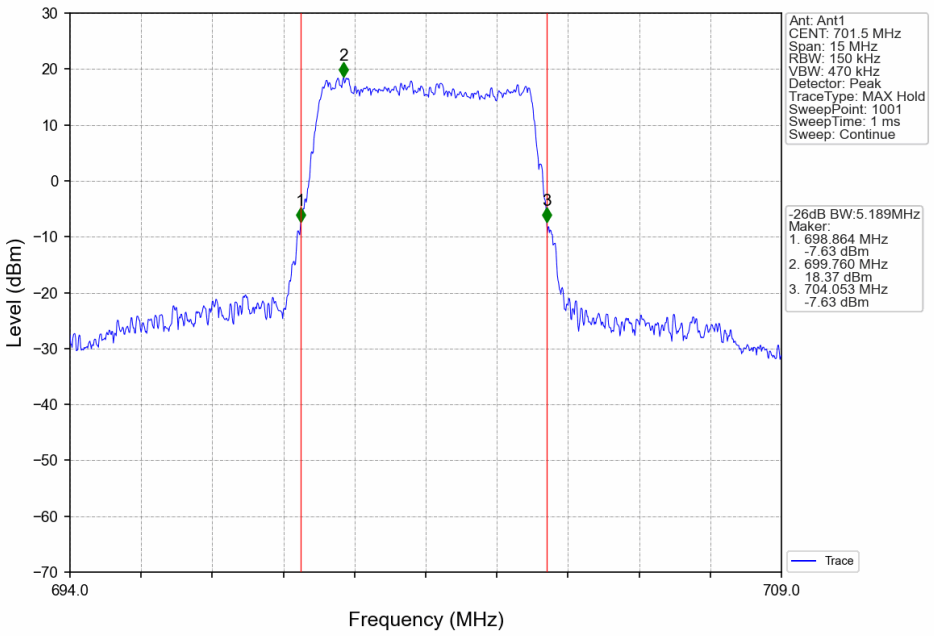
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



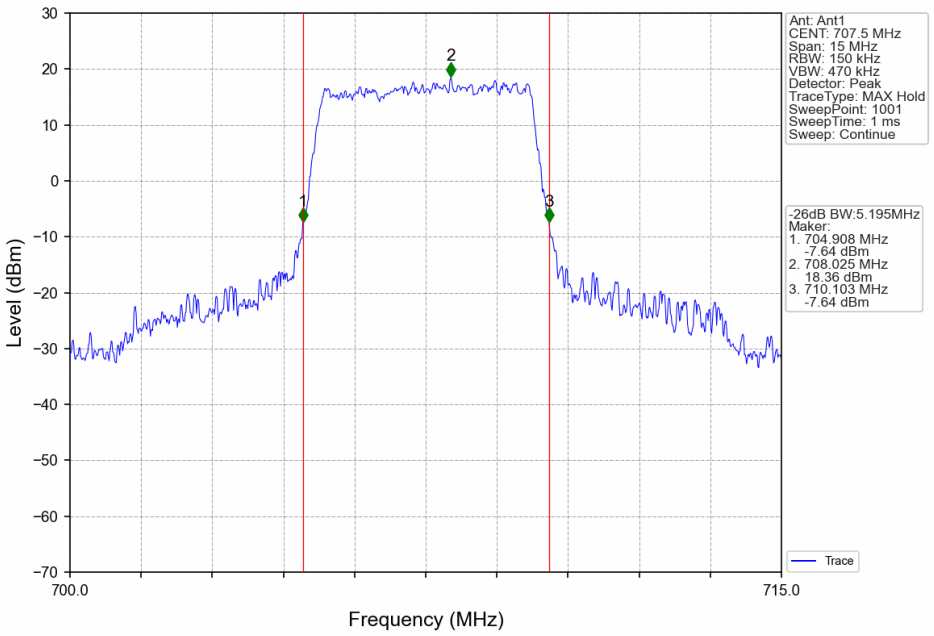
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



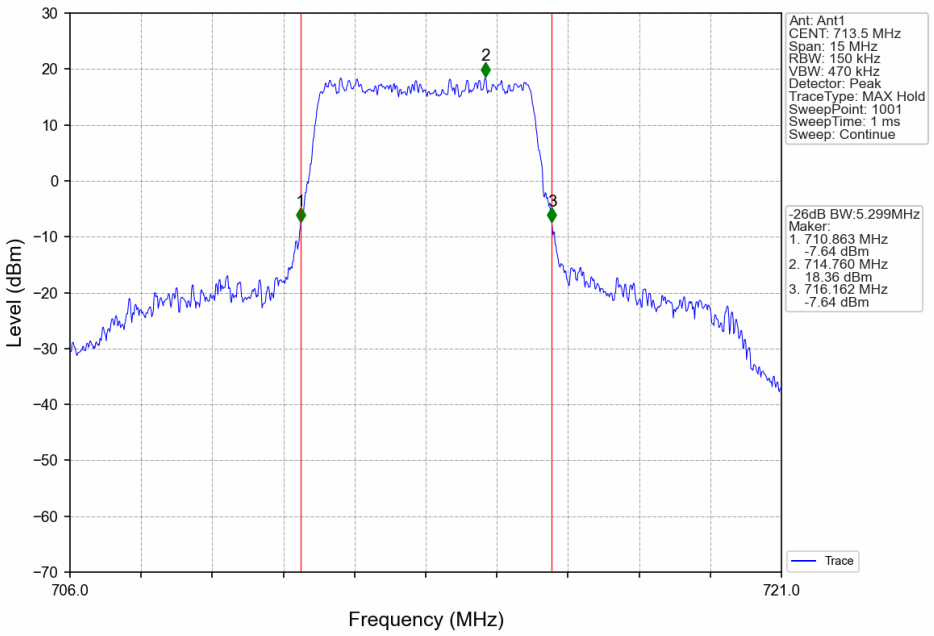
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



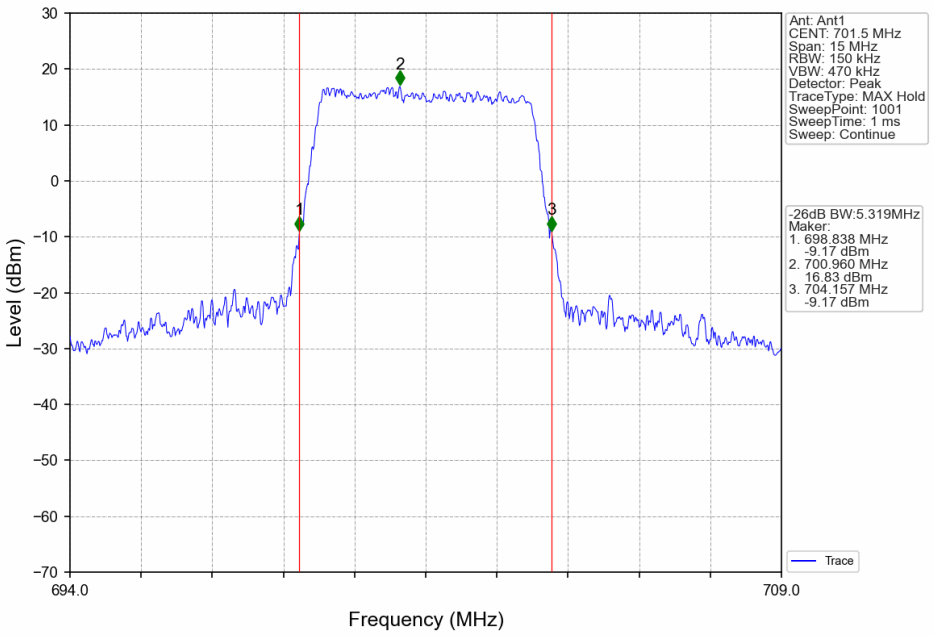
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



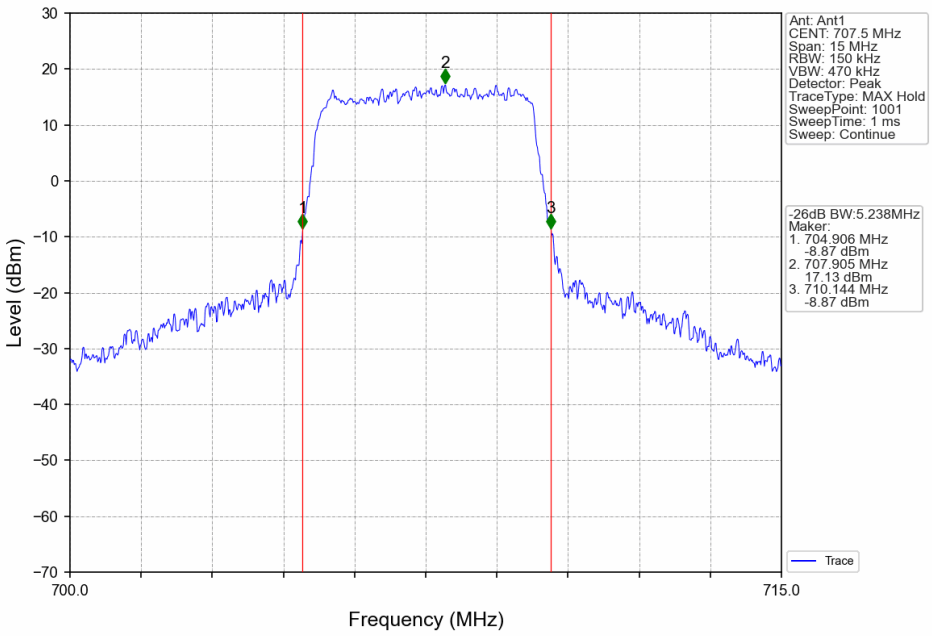
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



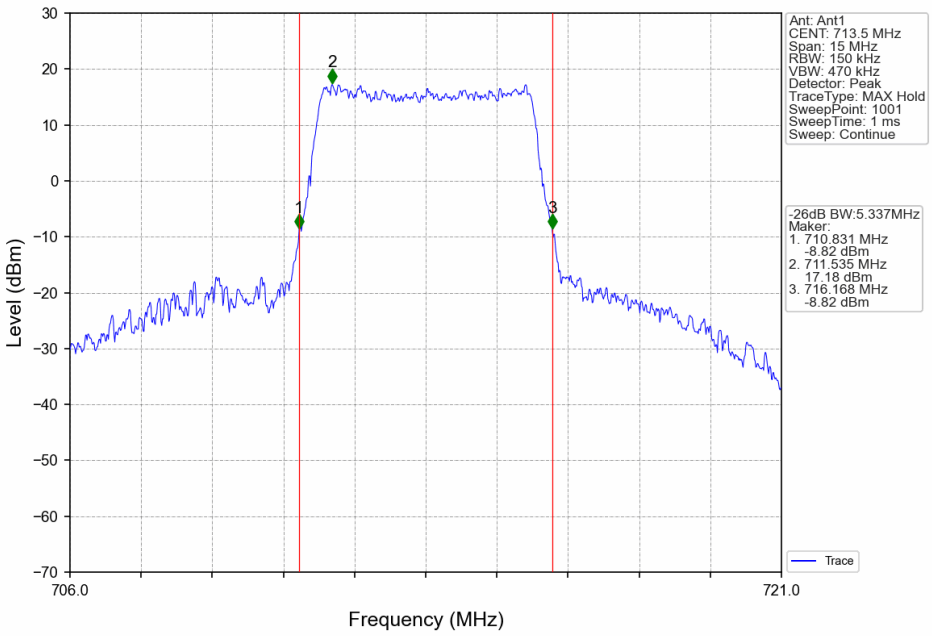
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



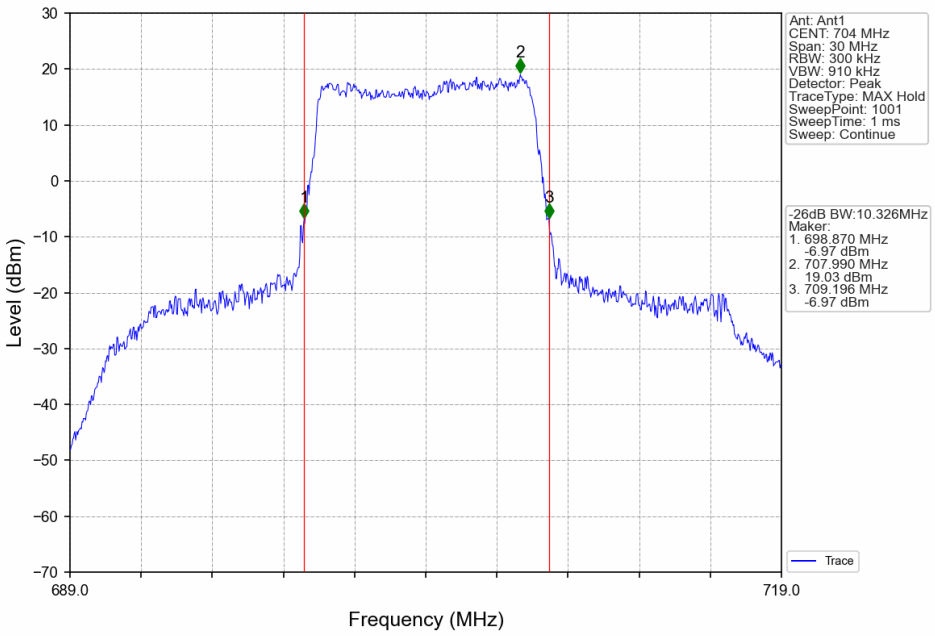
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



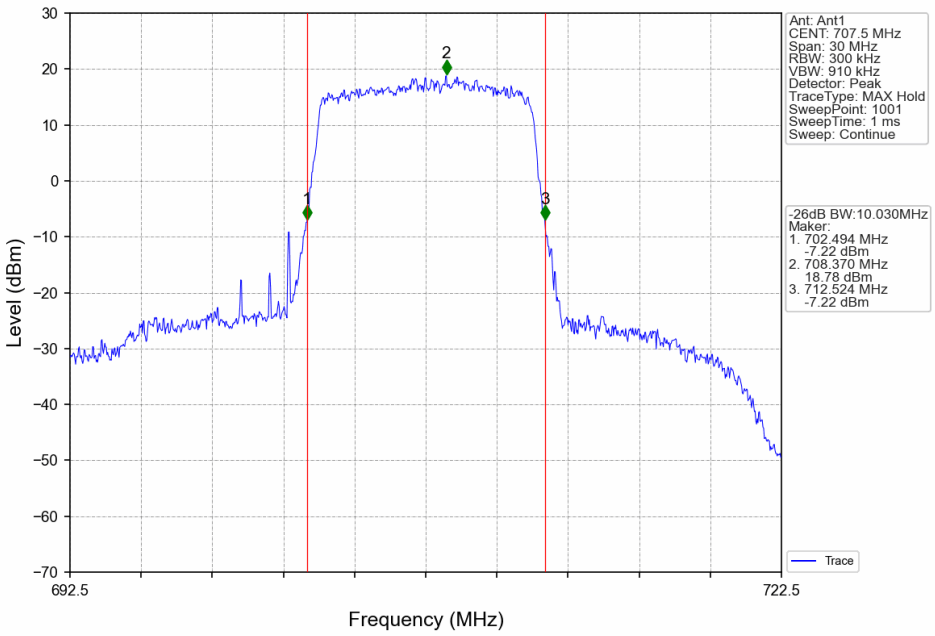
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



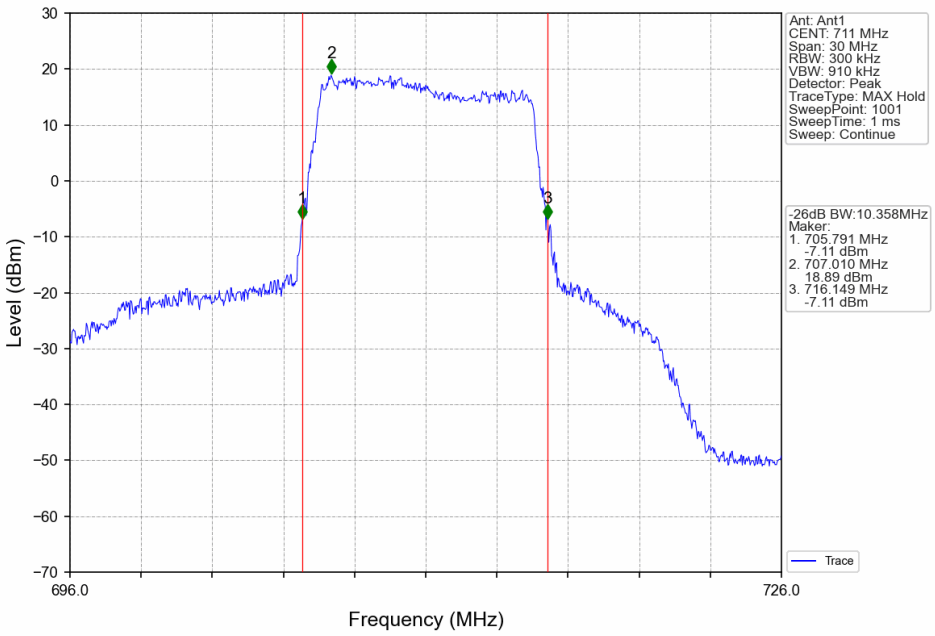
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



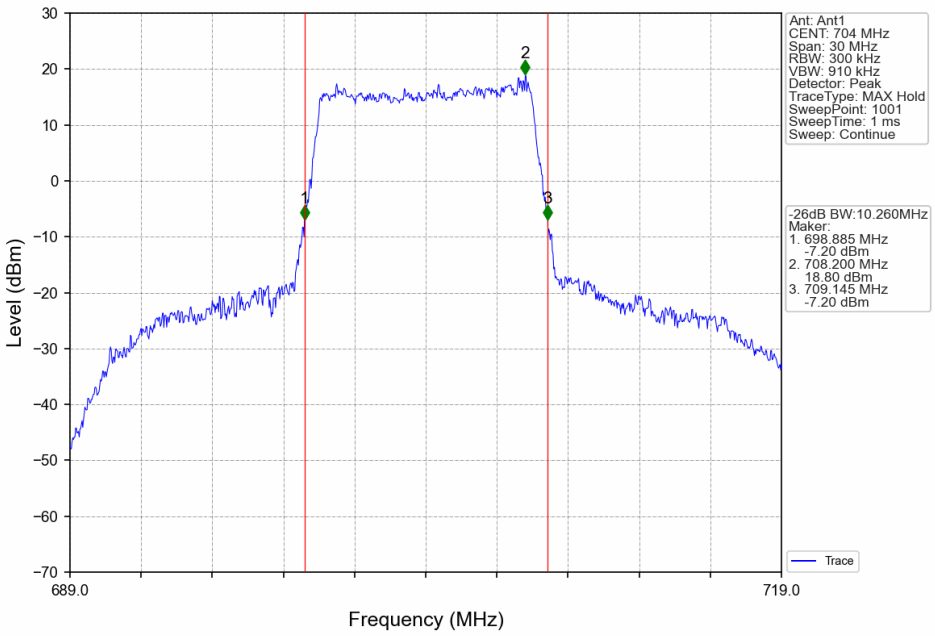
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



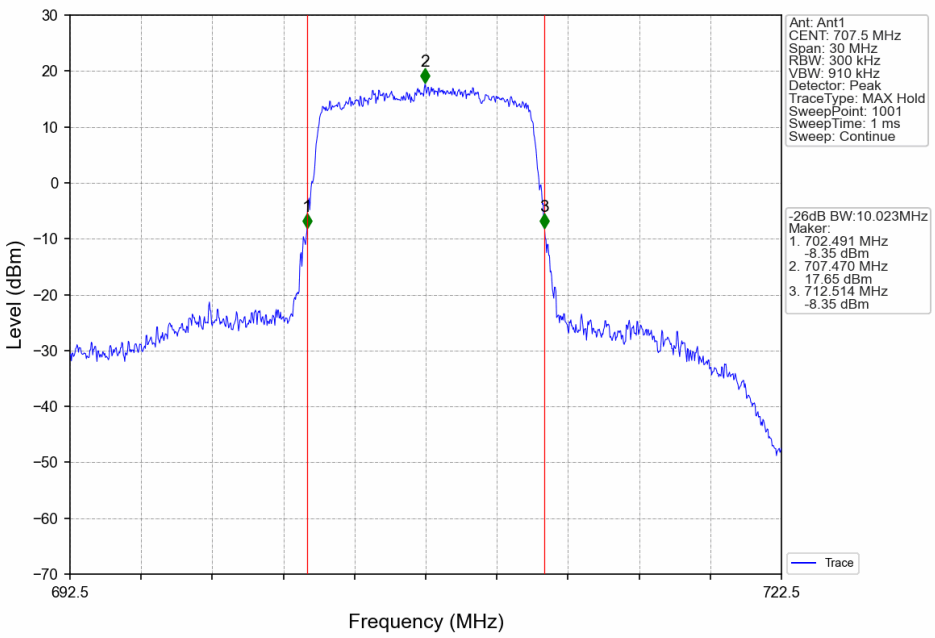
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



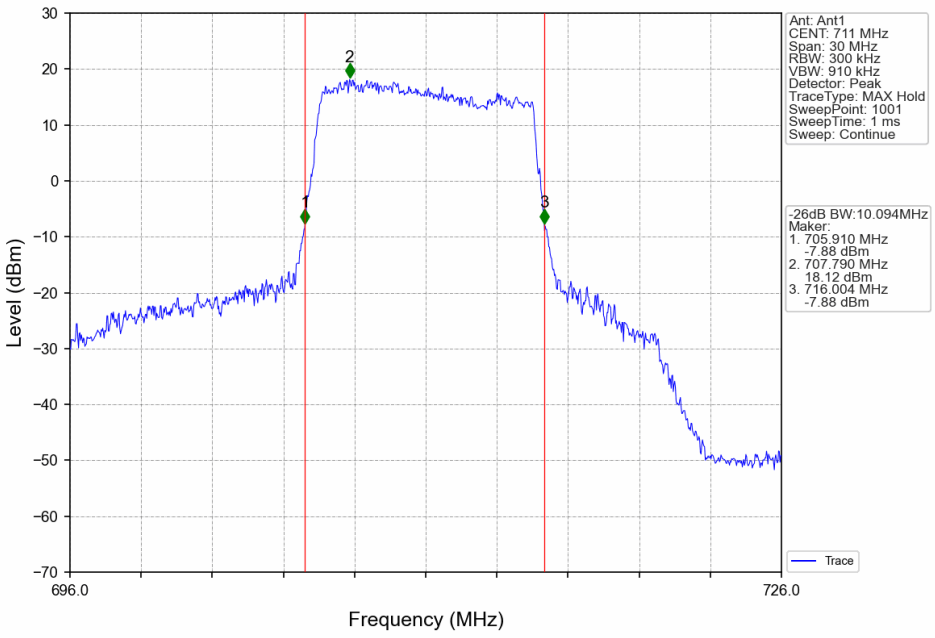
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

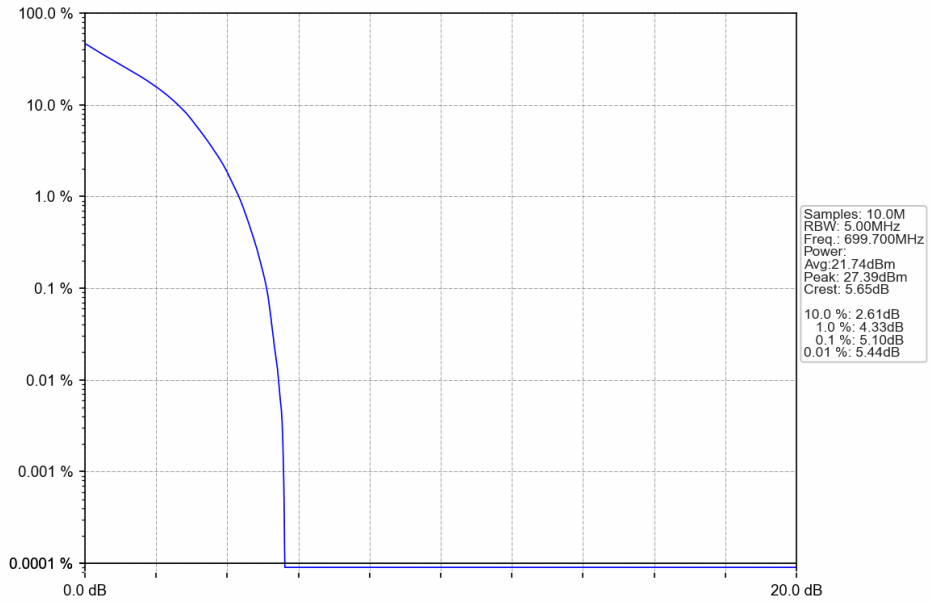
5.1 B12_1.4MHz

5.1.1 Test Result

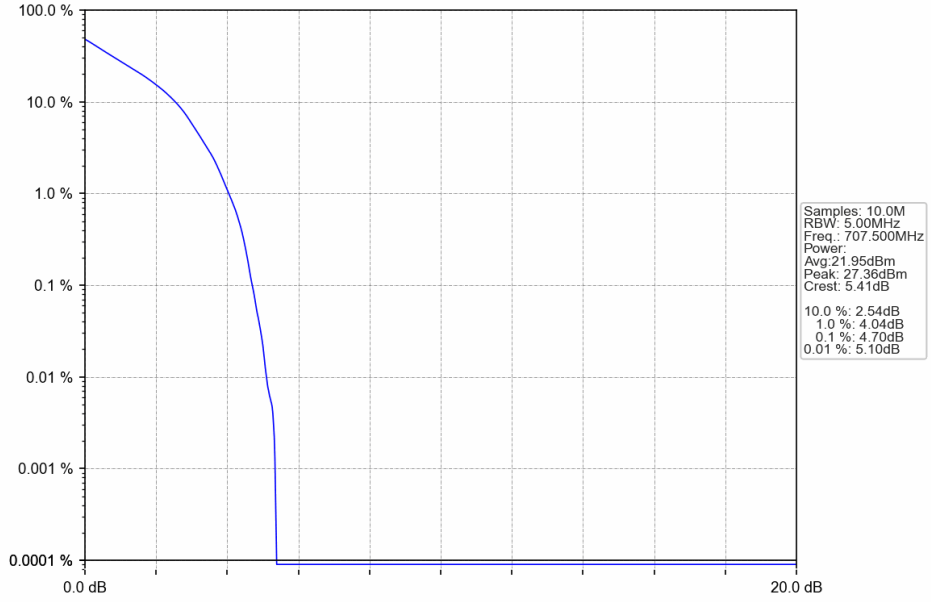
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.10	<=13	Pass
	707.5	6	0	4.70	<=13	Pass
	715.3	6	0	4.60	<=13	Pass
16QAM	699.7	6	0	5.93	<=13	Pass
	707.5	6	0	5.61	<=13	Pass
	715.3	6	0	5.48	<=13	Pass

5.1.2 Test Graph

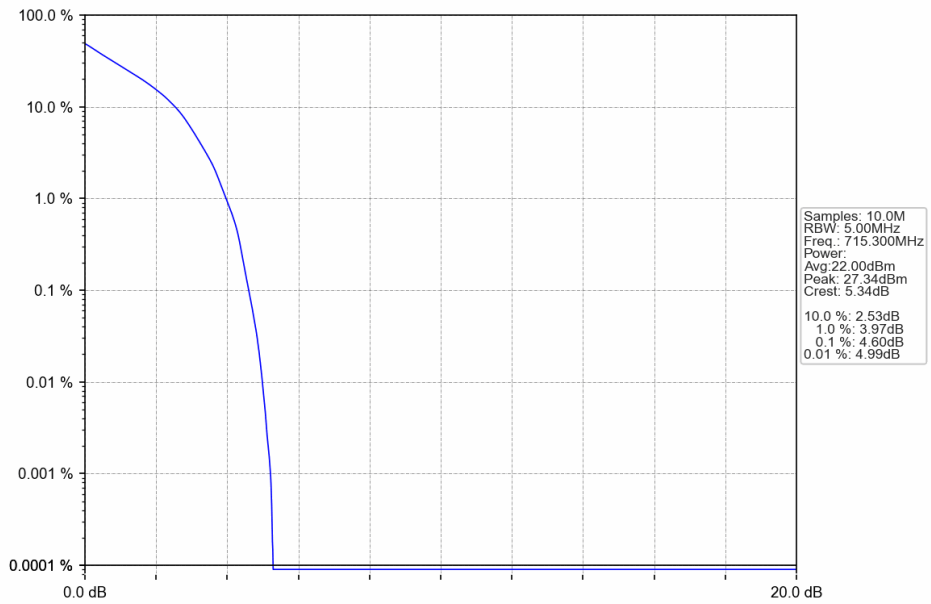
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



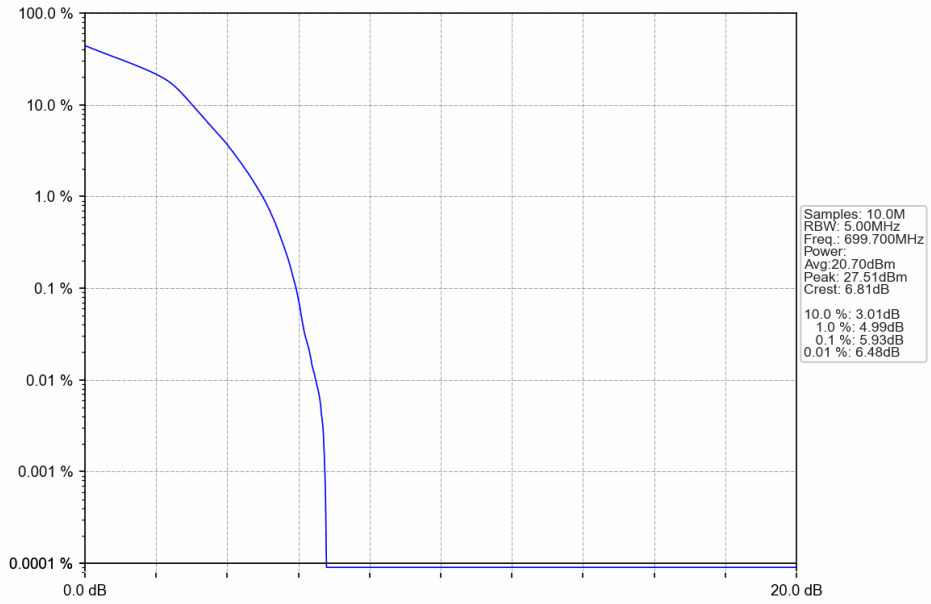
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



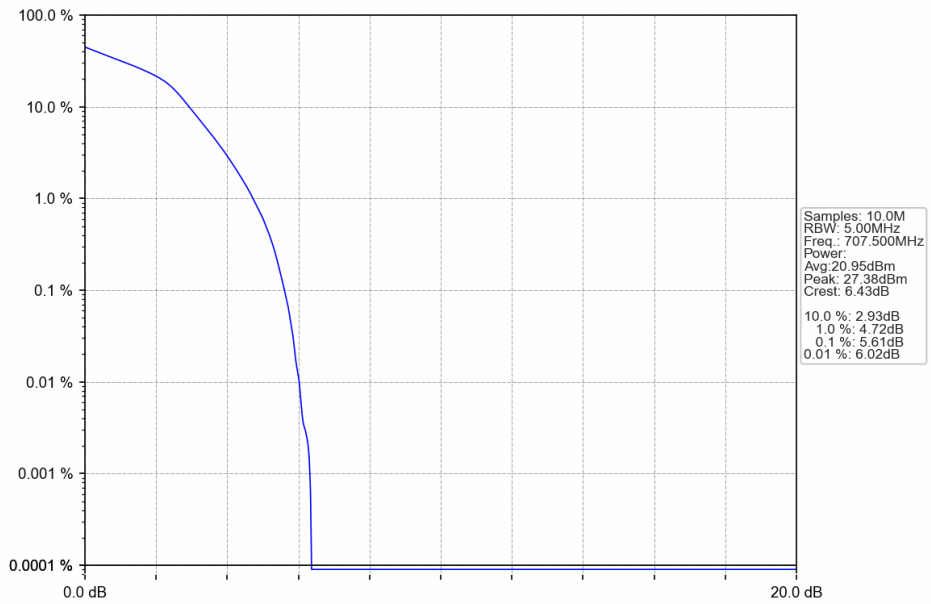
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



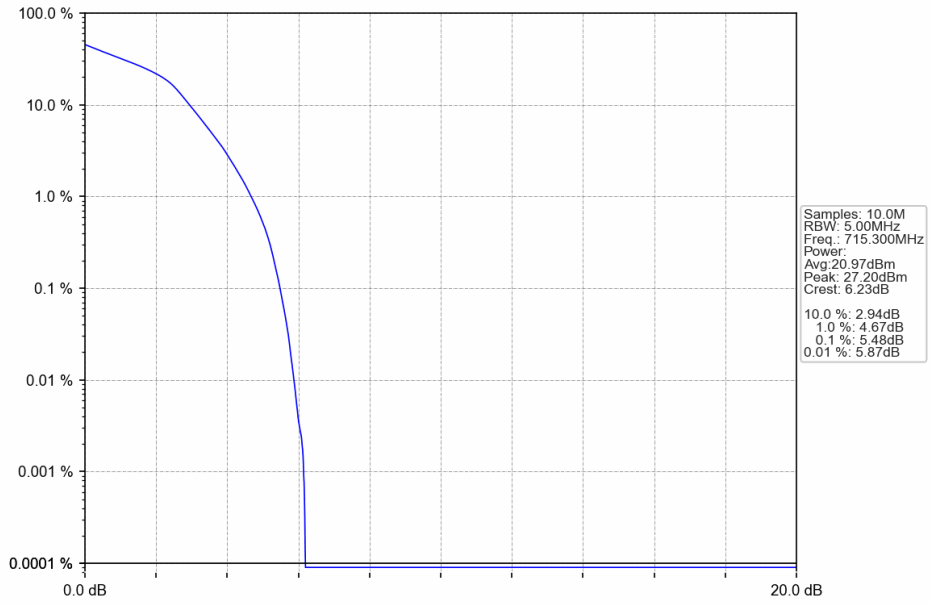
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



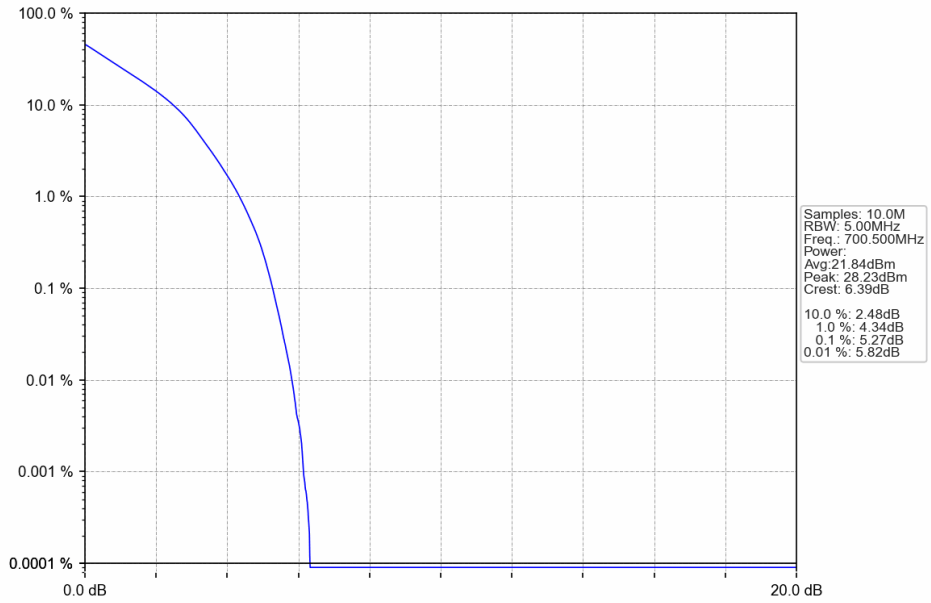
5.2 B12_3MHz

5.2.1 Test Result

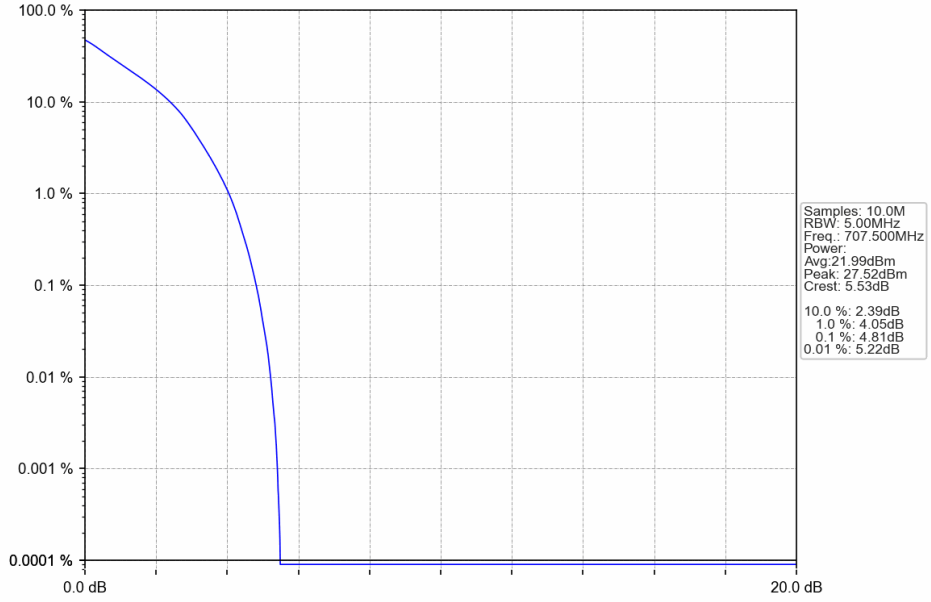
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.27	<=13	Pass
	707.5	15	0	4.81	<=13	Pass
	714.5	15	0	4.96	<=13	Pass
16QAM	700.5	15	0	6.14	<=13	Pass
	707.5	15	0	5.71	<=13	Pass
	714.5	15	0	5.84	<=13	Pass

5.2.2 Test Graph

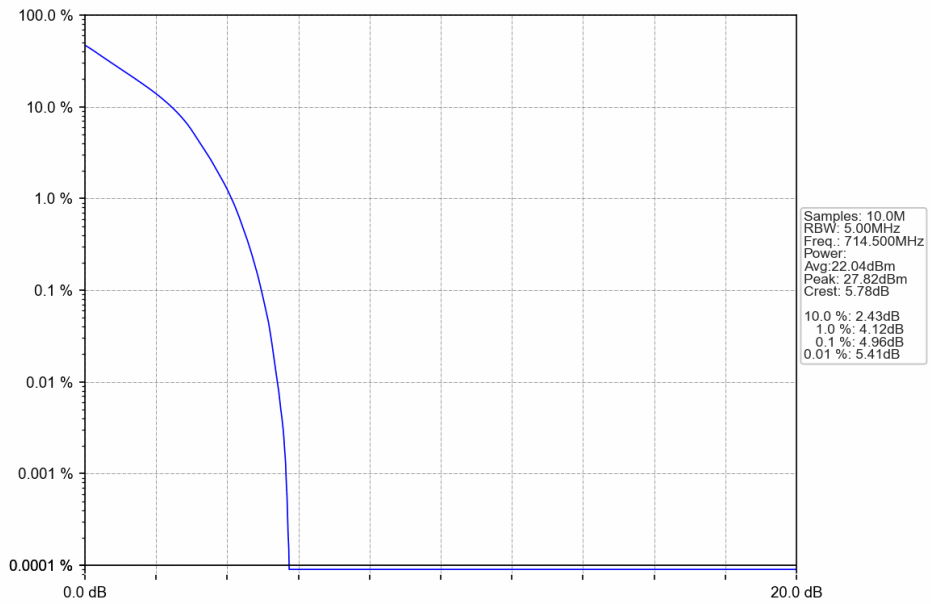
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



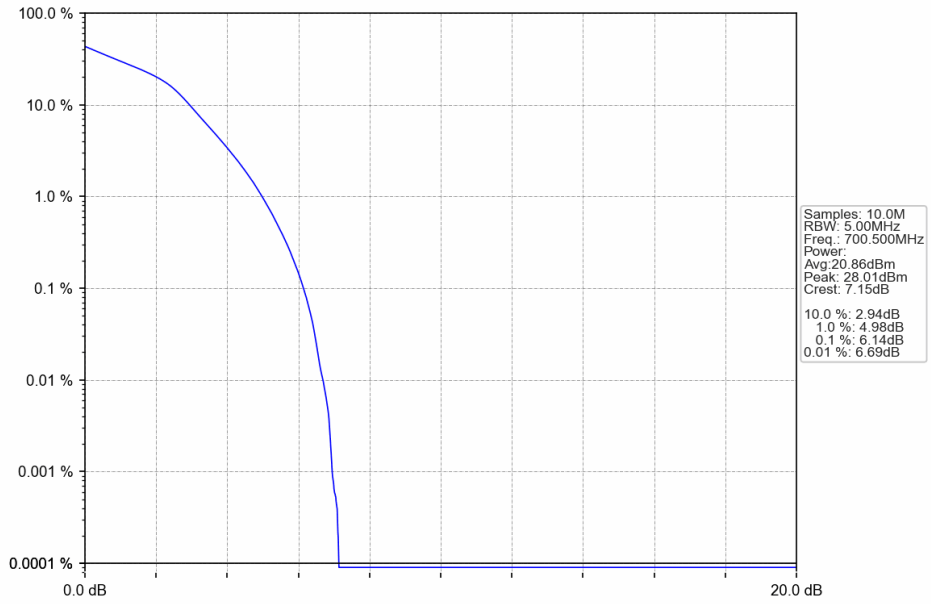
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



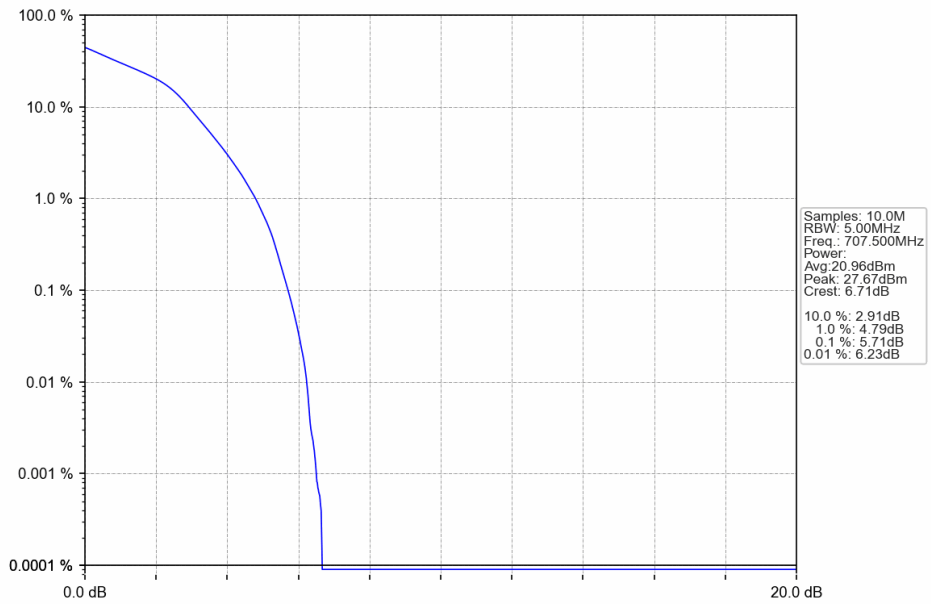
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



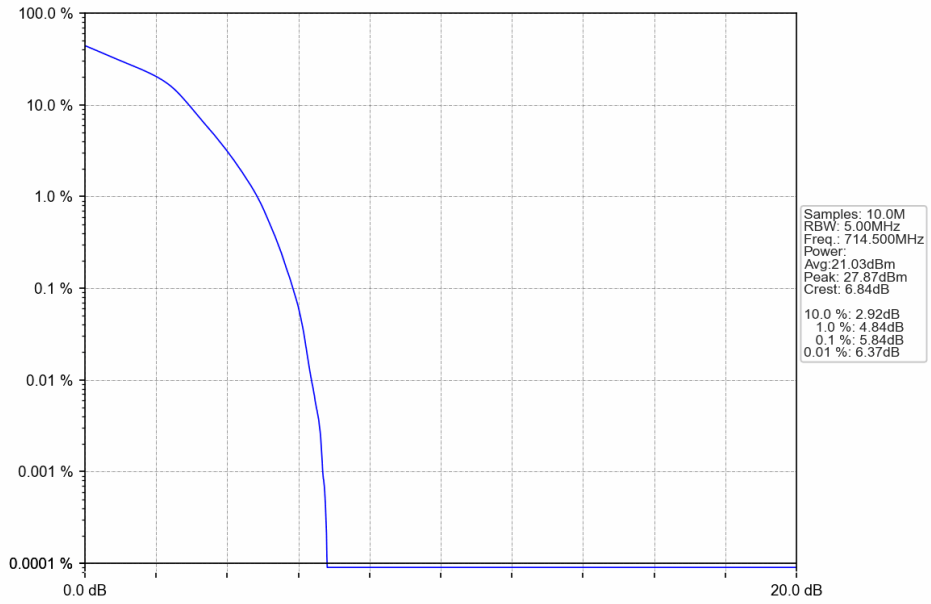
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



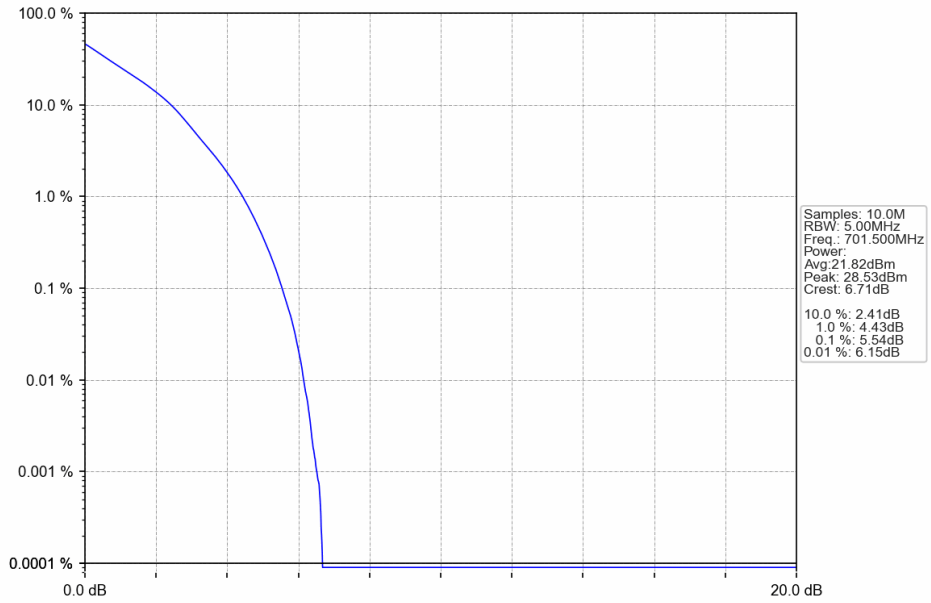
5.3 B12_5MHz

5.3.1 Test Result

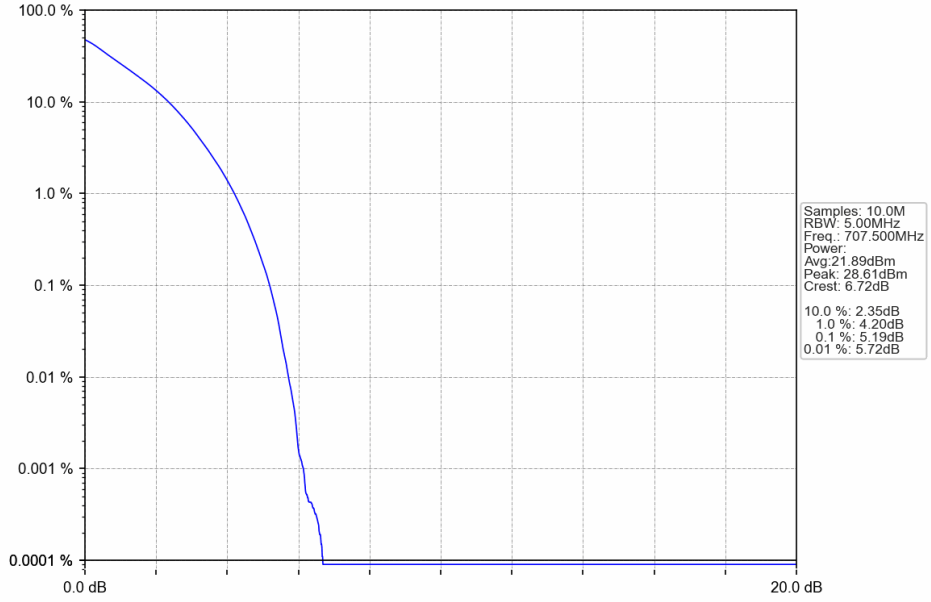
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.54	<=13	Pass
	707.5	25	0	5.19	<=13	Pass
	713.5	25	0	5.44	<=13	Pass
16QAM	701.5	25	0	6.29	<=13	Pass
	707.5	25	0	5.92	<=13	Pass
	713.5	25	0	6.13	<=13	Pass

5.3.2 Test Graph

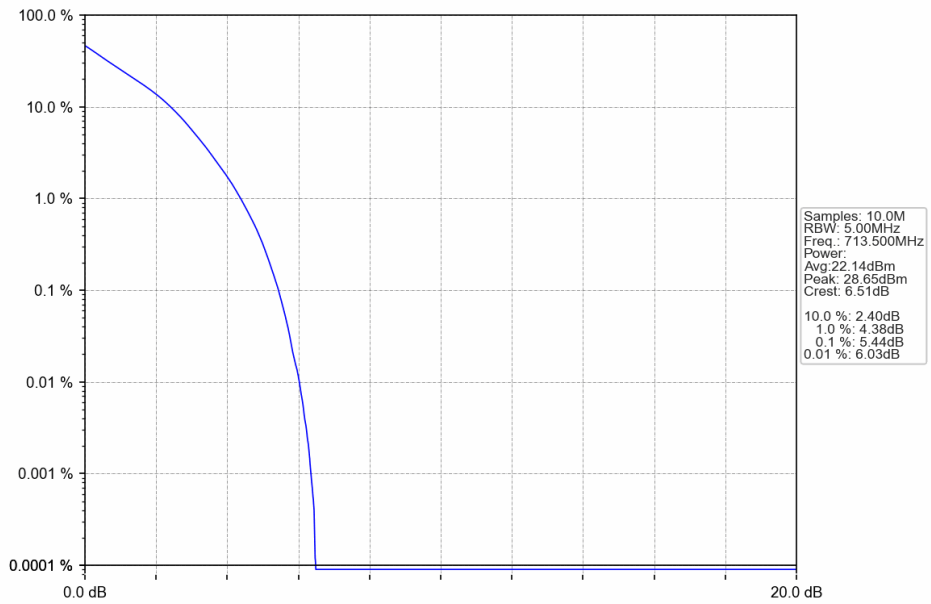
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



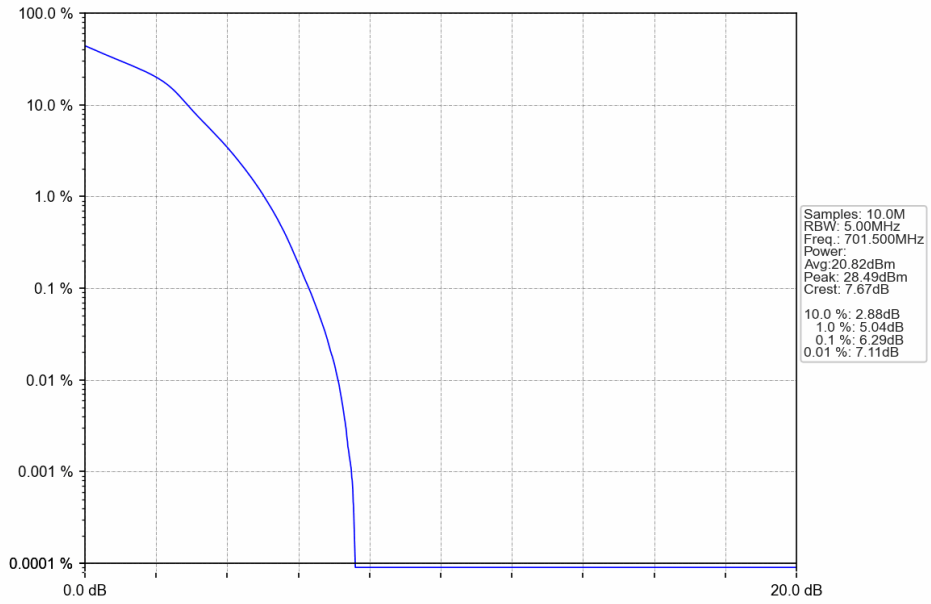
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



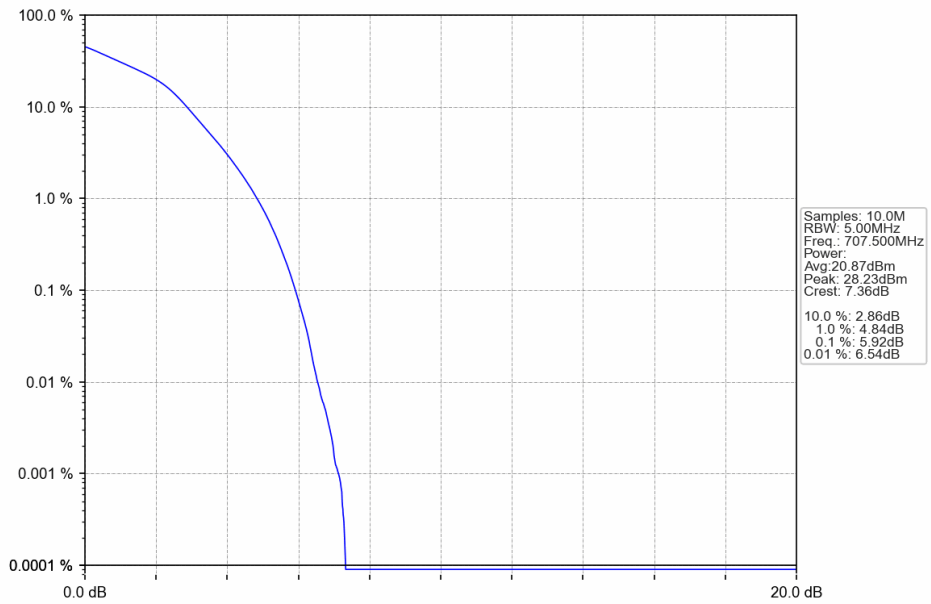
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



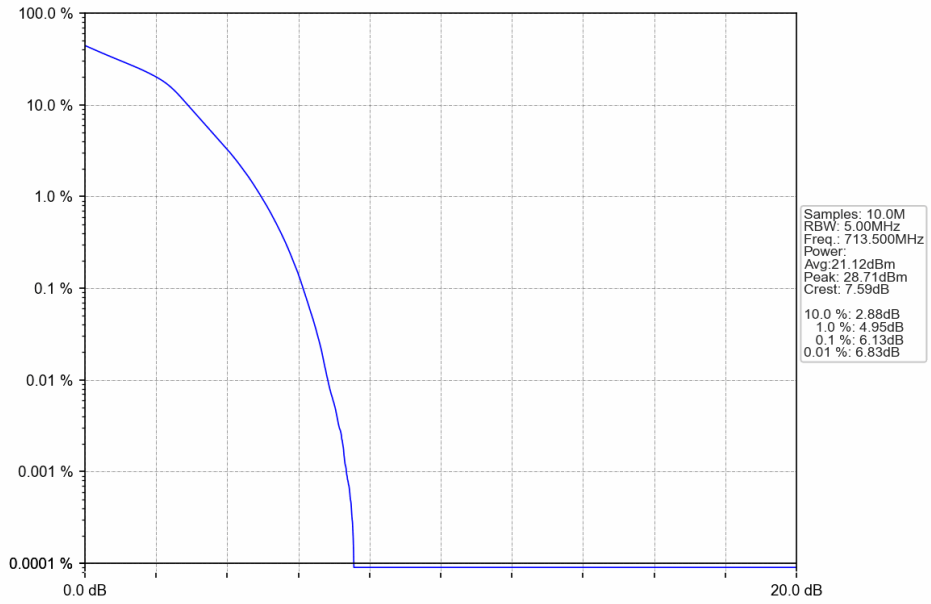
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



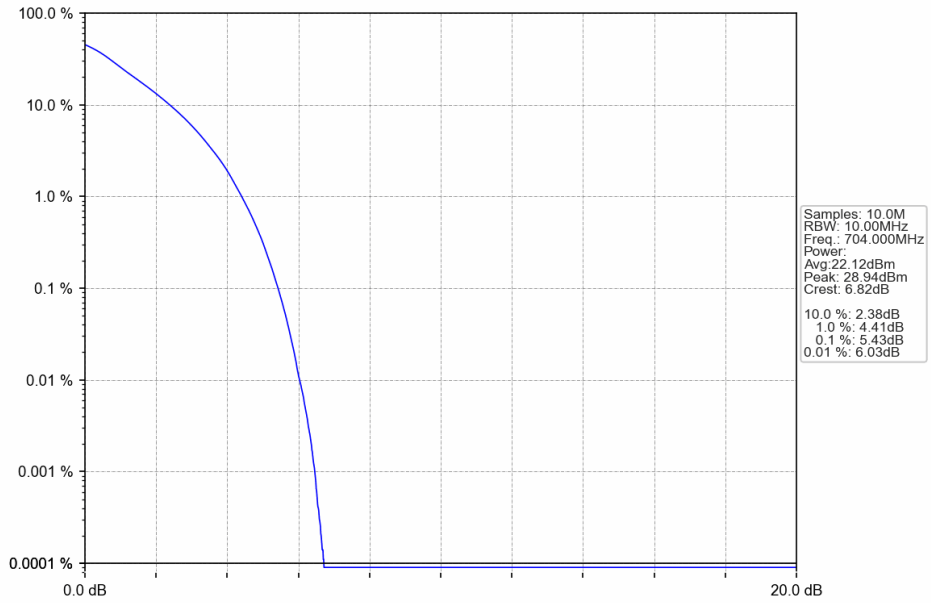
5.4 B12_10MHz

5.4.1 Test Result

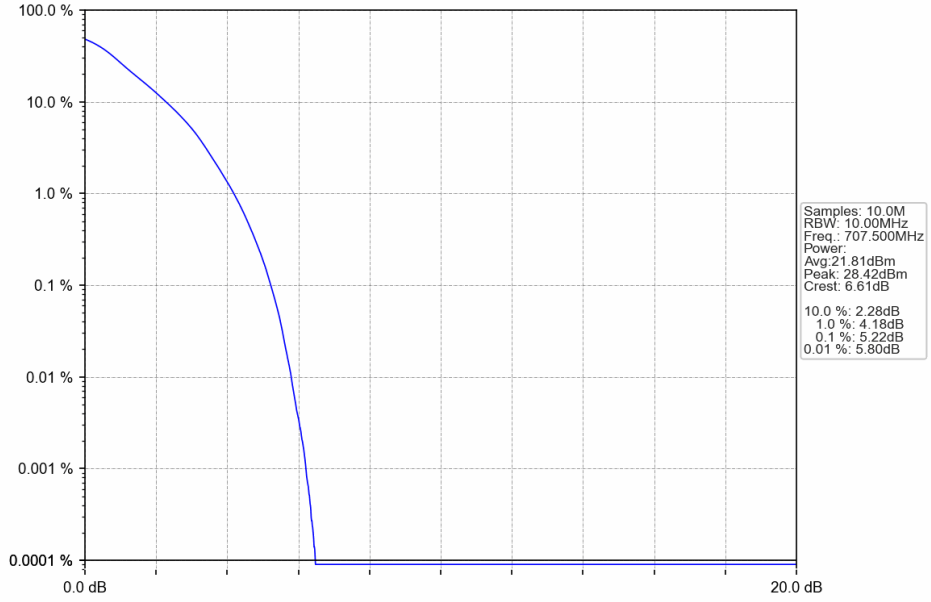
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.43	<=13	Pass
	707.5	50	0	5.22	<=13	Pass
	711	50	0	5.25	<=13	Pass
16QAM	704	50	0	6.18	<=13	Pass
	707.5	50	0	6.06	<=13	Pass
	711	50	0	6.01	<=13	Pass

5.4.2 Test Graph

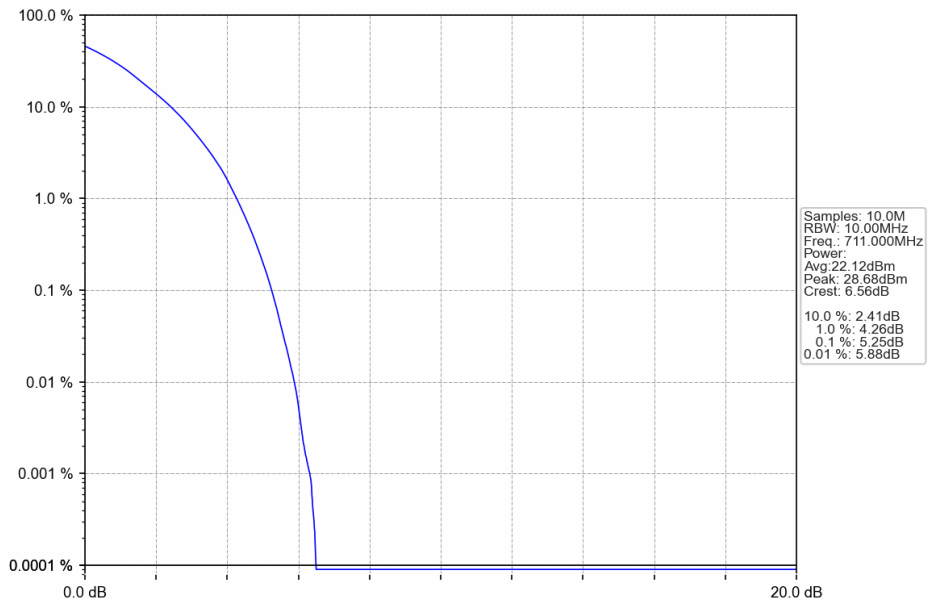
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



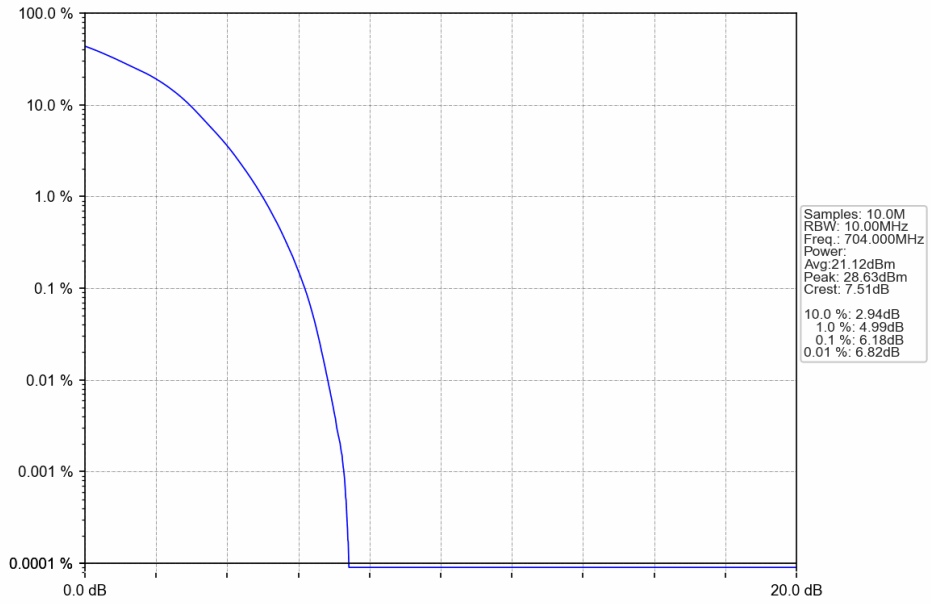
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



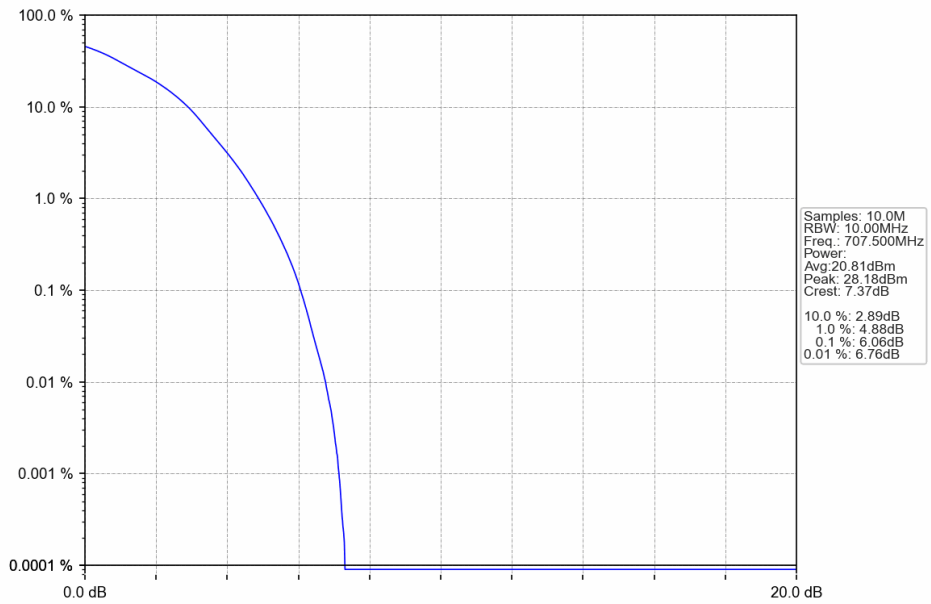
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



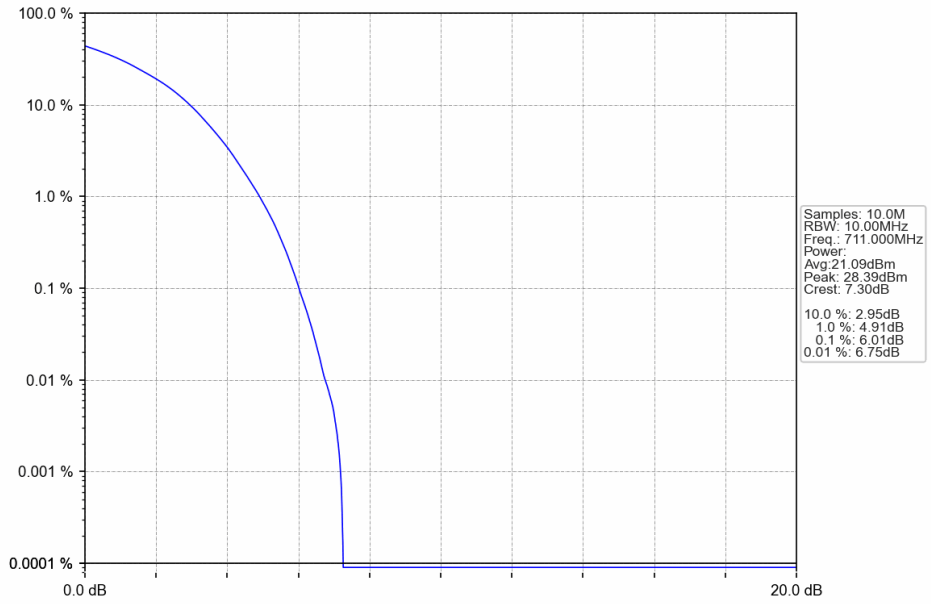
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

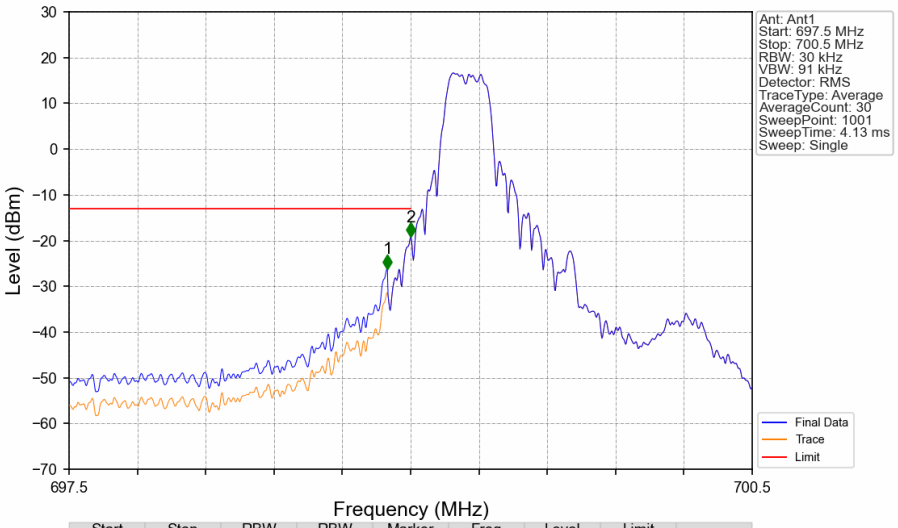
6.1 B12_1.4MHz

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

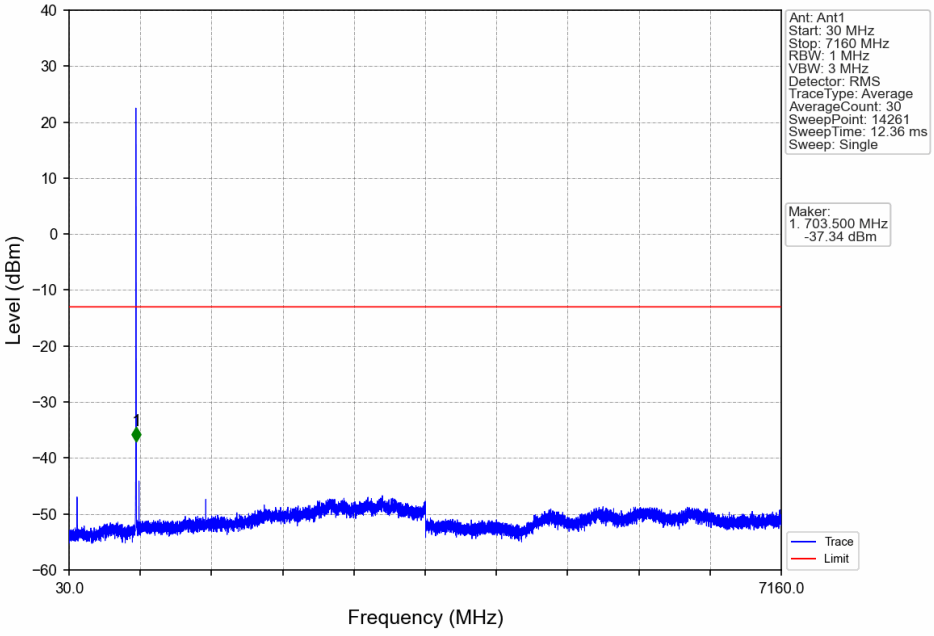
6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

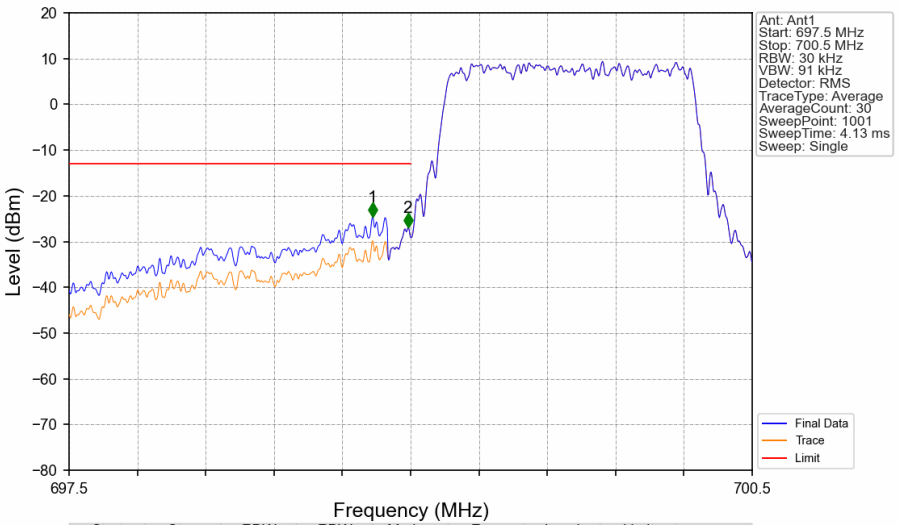


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.898	-26.20	-13	Pass
698.9	699	0.03	0	2	699.000	-19.21	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

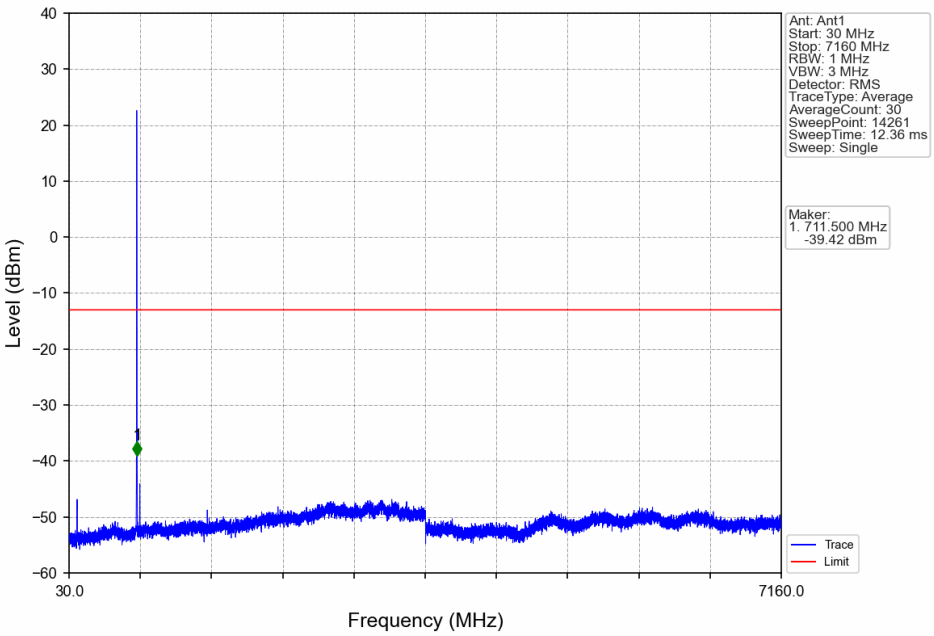


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

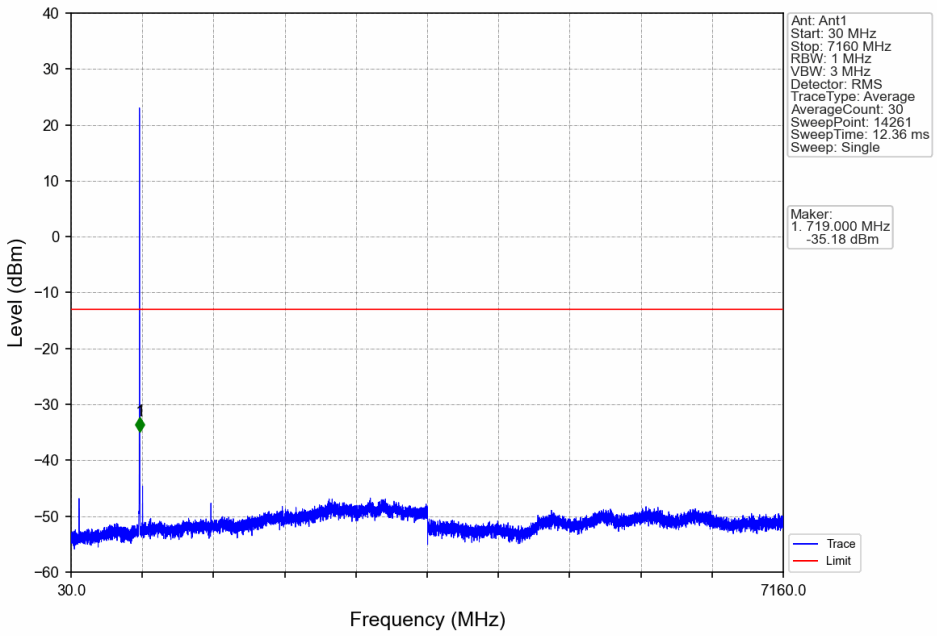


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.832	-24.60	-13	Pass
698.9	699	0.03	0	2	698.988	-26.90	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

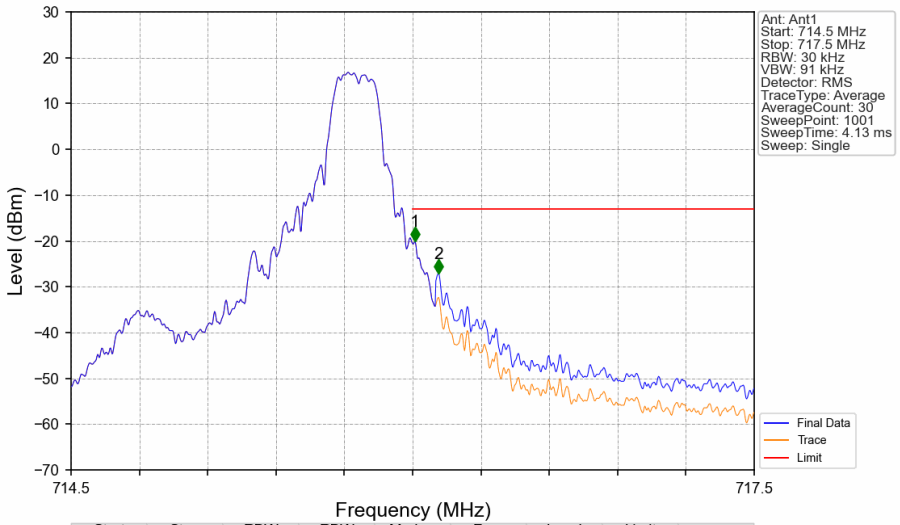
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

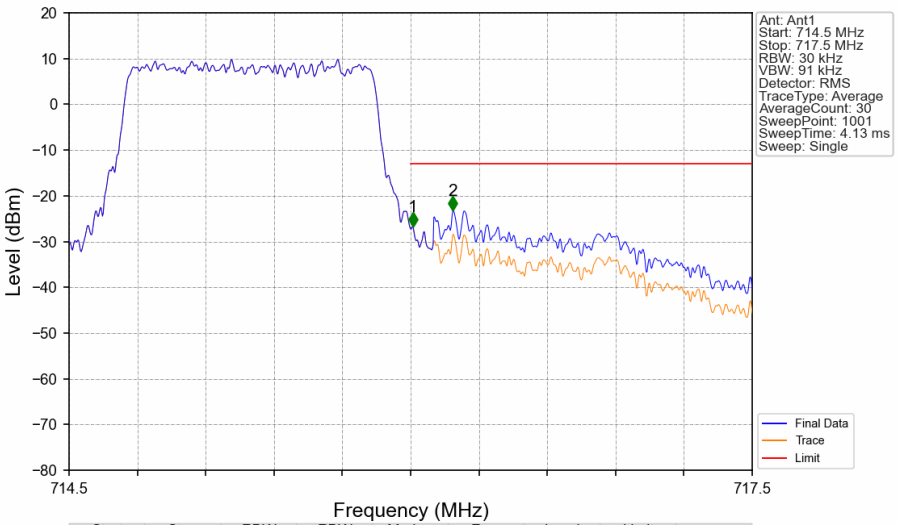


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



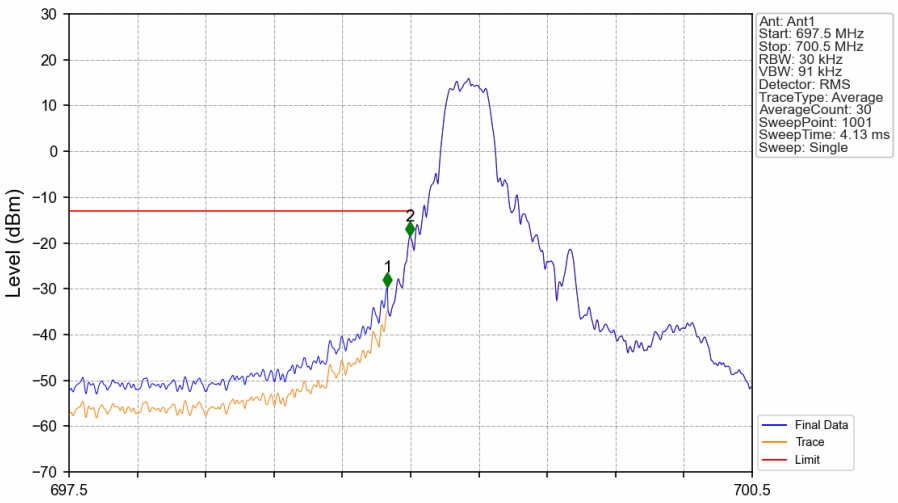
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.009	-20.16	-13	Pass
716.1	717.5	0.1	5.23	2	716.114	-27.11	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



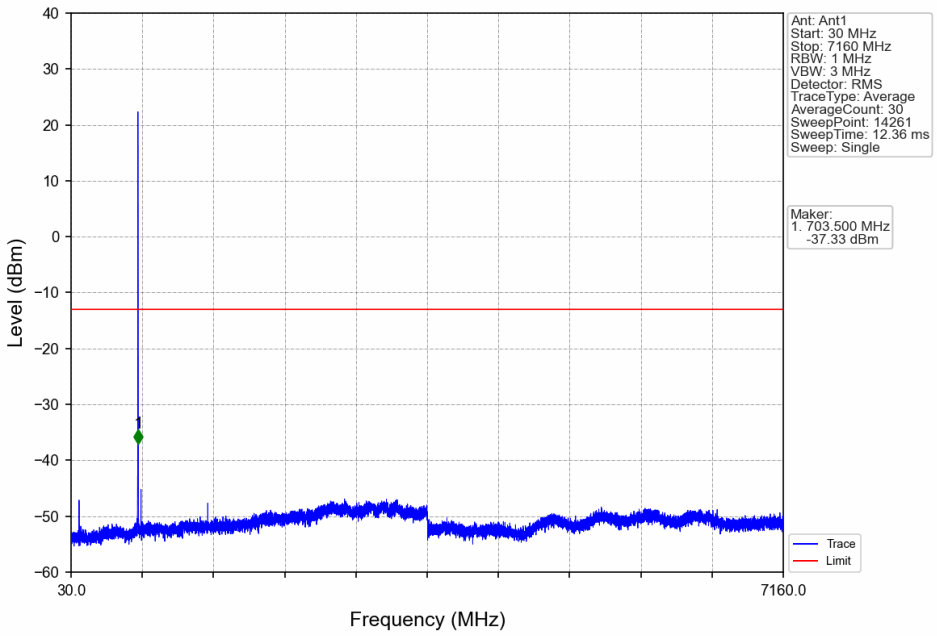
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.009	-26.70	-13	Pass
716.1	717.5	0.1	5.23	2	716.186	-23.18	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

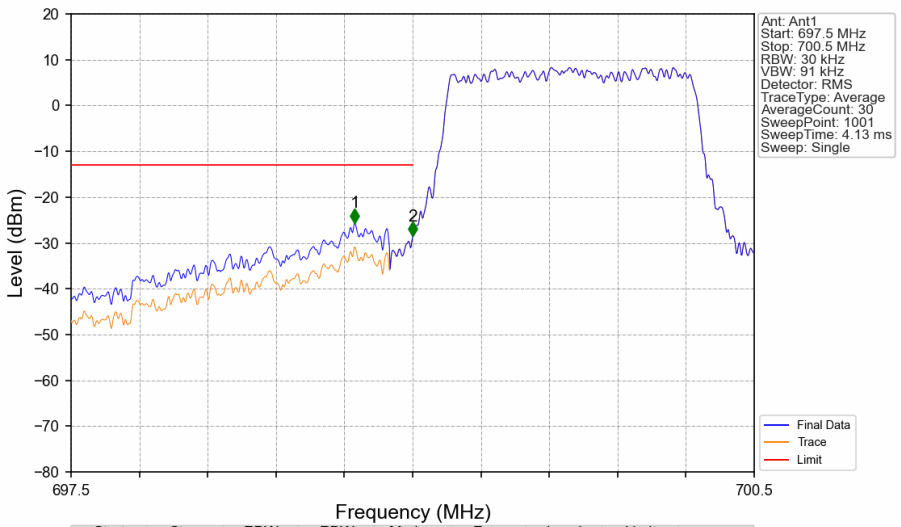


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.898	-29.61	-13	Pass
698.9	699	0.03	0	2	698.997	-18.51	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

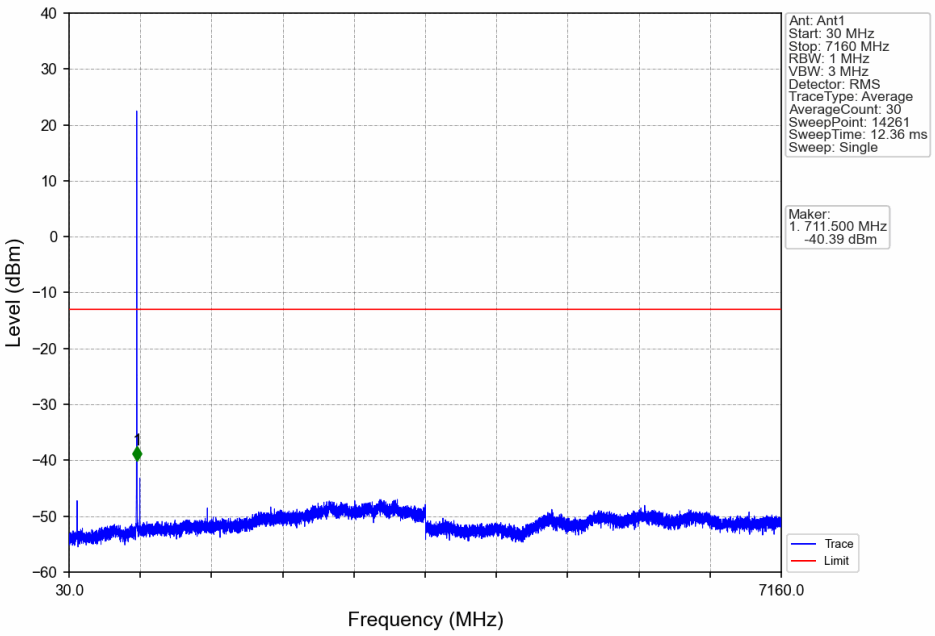


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

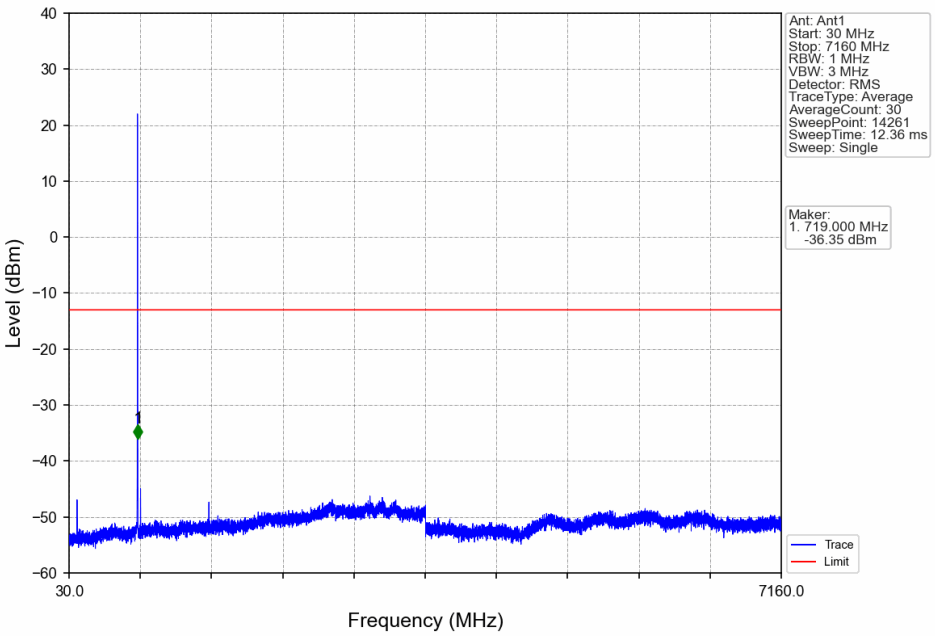


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	5.23	1	698.745	-25.61	-13	Pass
698.9	699	0.03	0	2	699.000	-28.58	-13	Pass
699	700.5	0.03	0	/	/	/	/	/

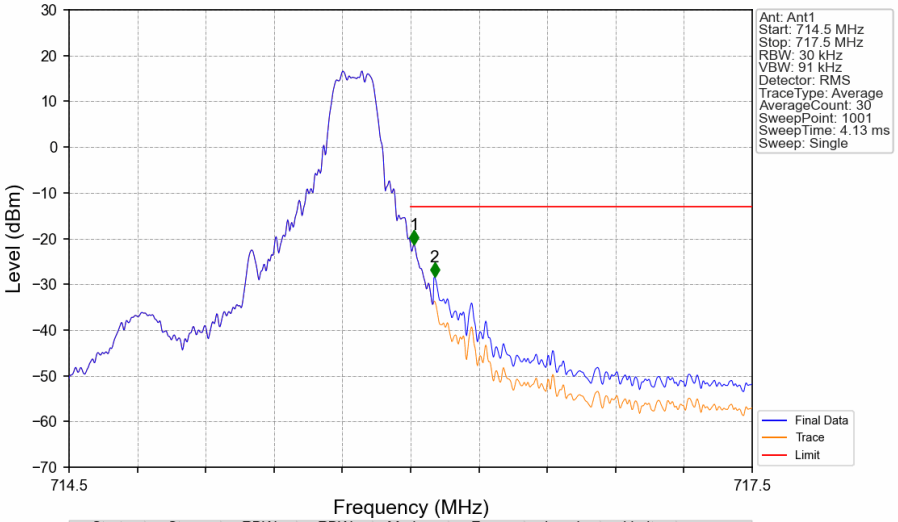
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

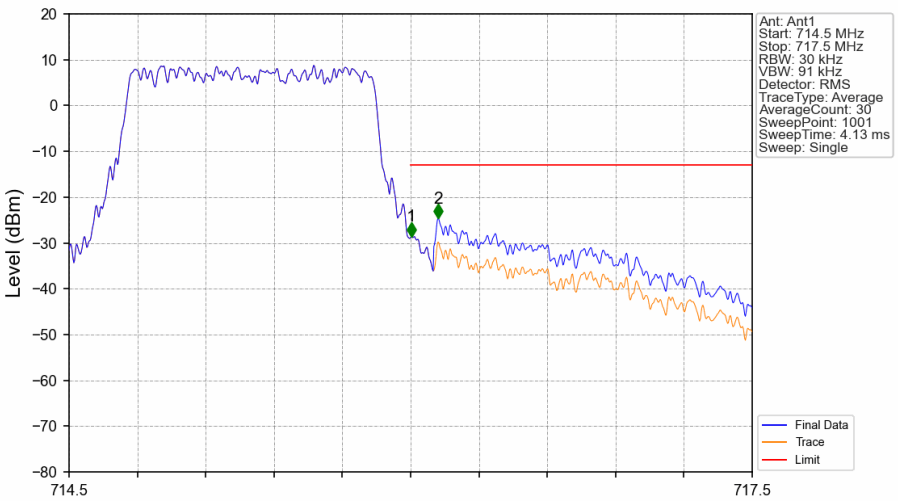


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.015	-21.32	-13	Pass
716.1	717.5	0.1	5.23	2	716.105	-28.45	-13	Pass

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.003	-28.61	-13	Pass
716.1	717.5	0.1	5.23	2	716.120	-24.58	-13	Pass

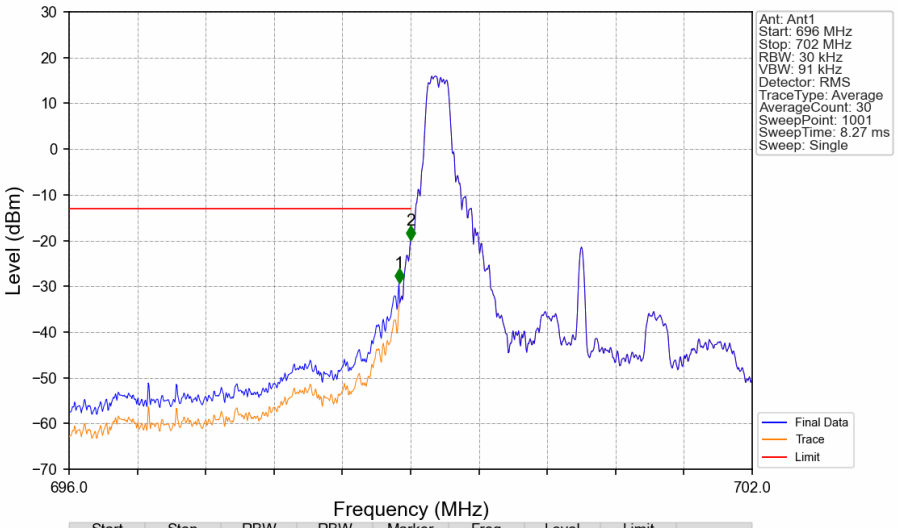
6.2 B12_3MHz

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

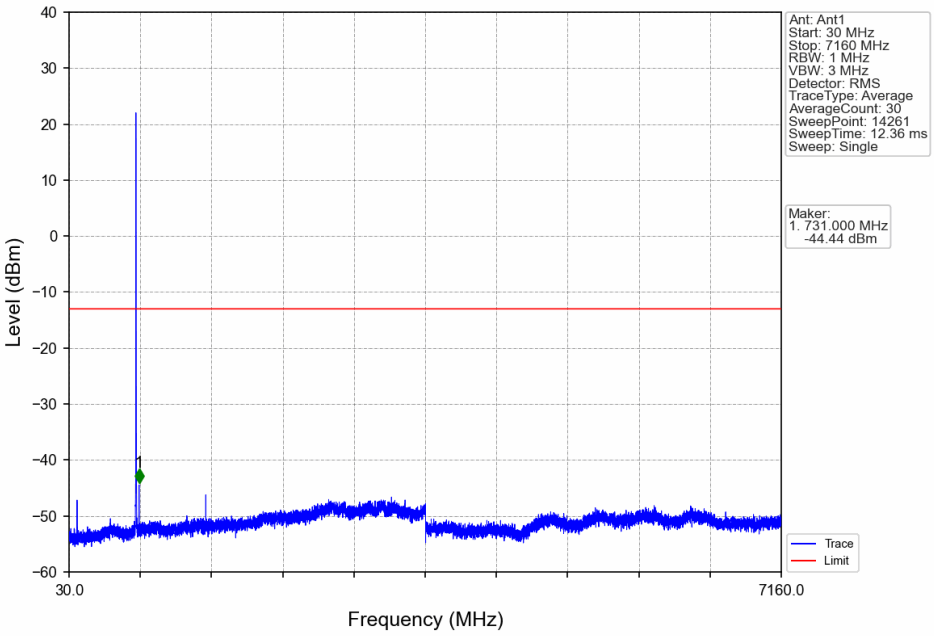
6.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

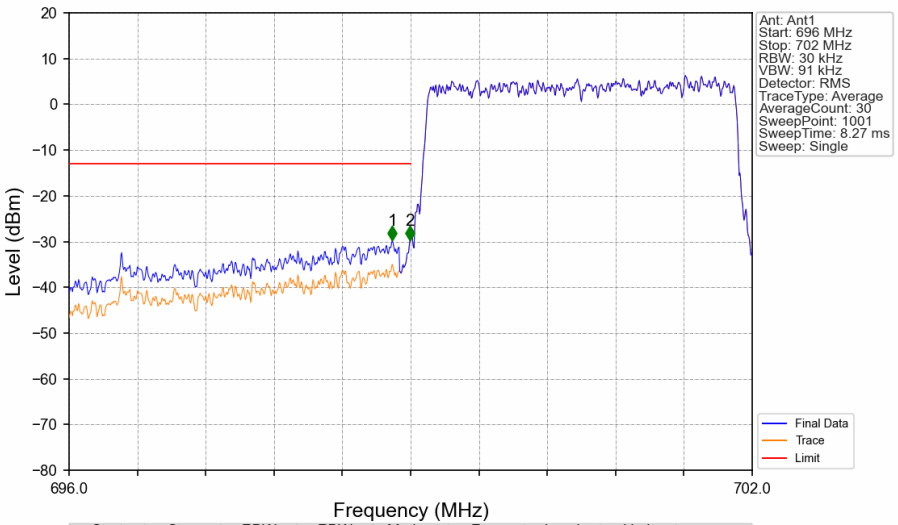


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.898	-29.30	-13	Pass
698.9	699	0.03	0	2	699.000	-19.94	-13	Pass
699	702	0.03	0	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

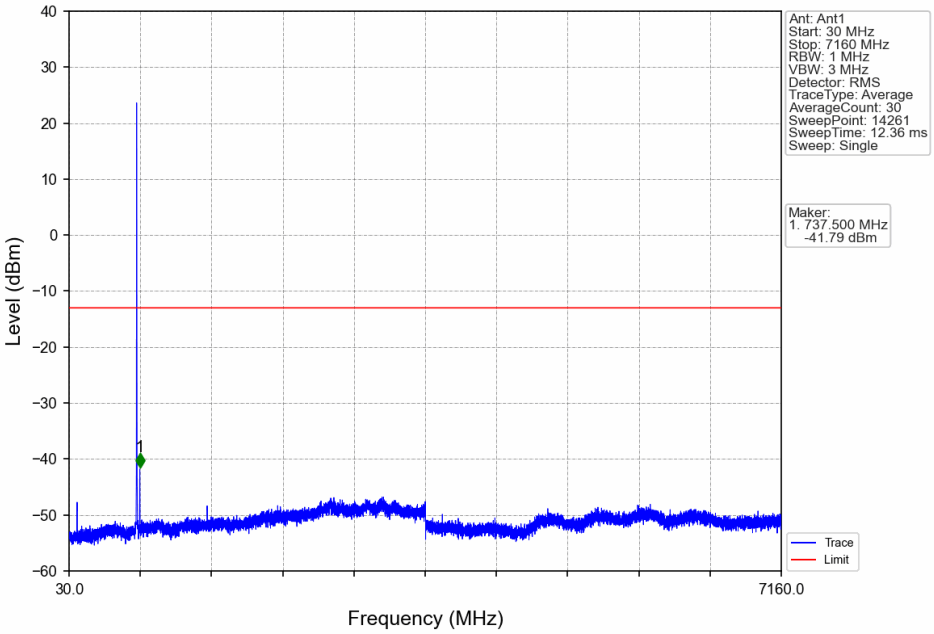


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

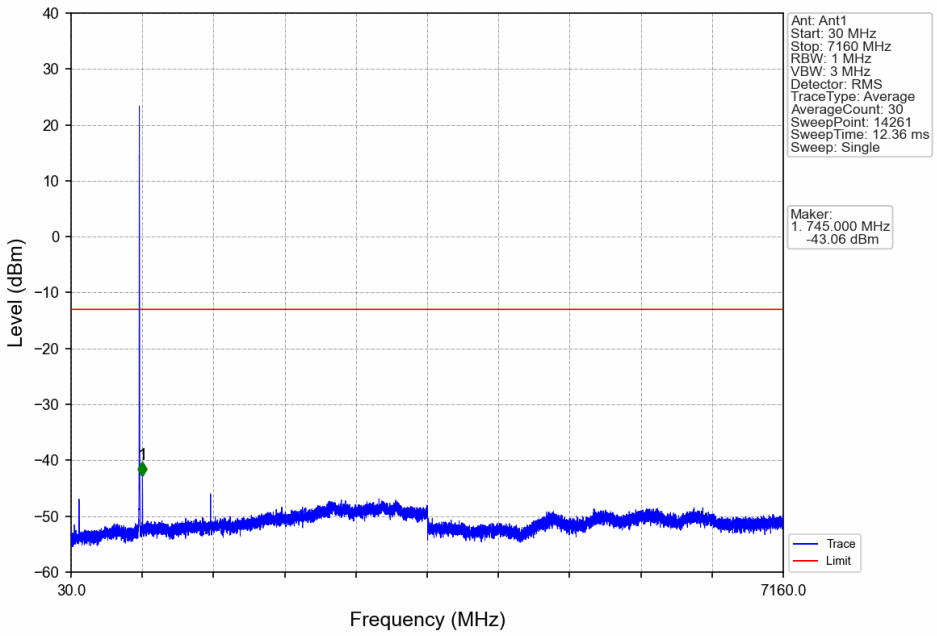


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.838	-29.74	-13	Pass
698.9	699	0.03	0	2	698.994	-29.79	-13	Pass
699	702	0.03	0	/	/	/	/	/

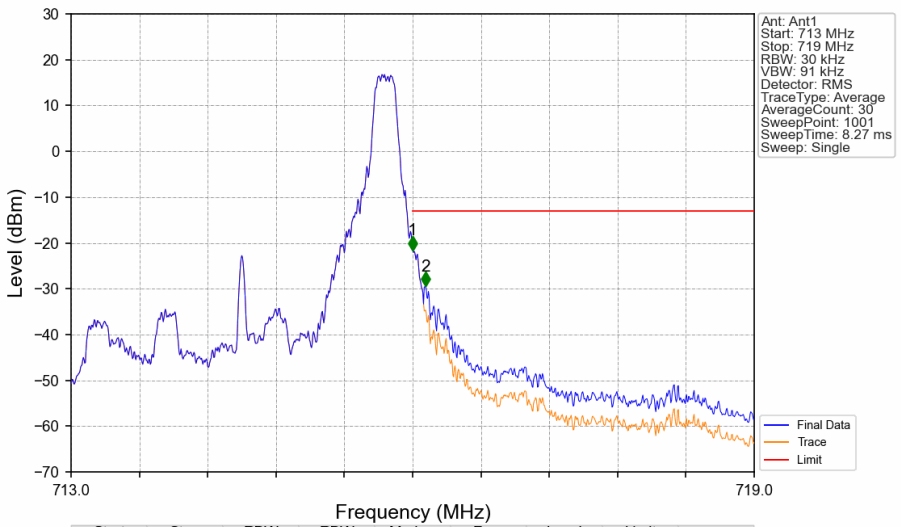
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

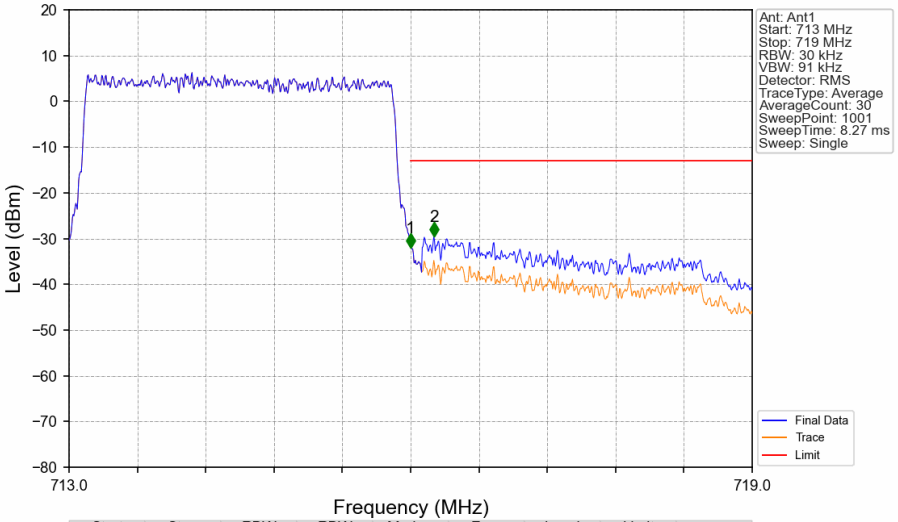


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



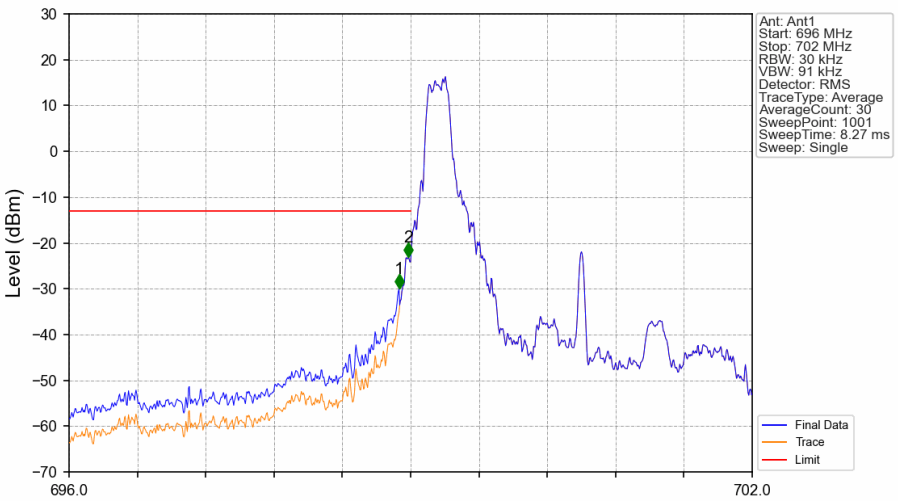
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-21.60	-13	Pass
716.1	719	0.1	5.23	2	716.114	-29.42	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.000	-31.98	-13	Pass
716.1	719	0.1	5.23	2	716.204	-29.55	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	5.23	1	698.898	-30.02	-13	Pass
698.9	699	0.03	0	2	698.982	-23.09	-13	Pass
699	702	0.03	0	/	/	/	/	/