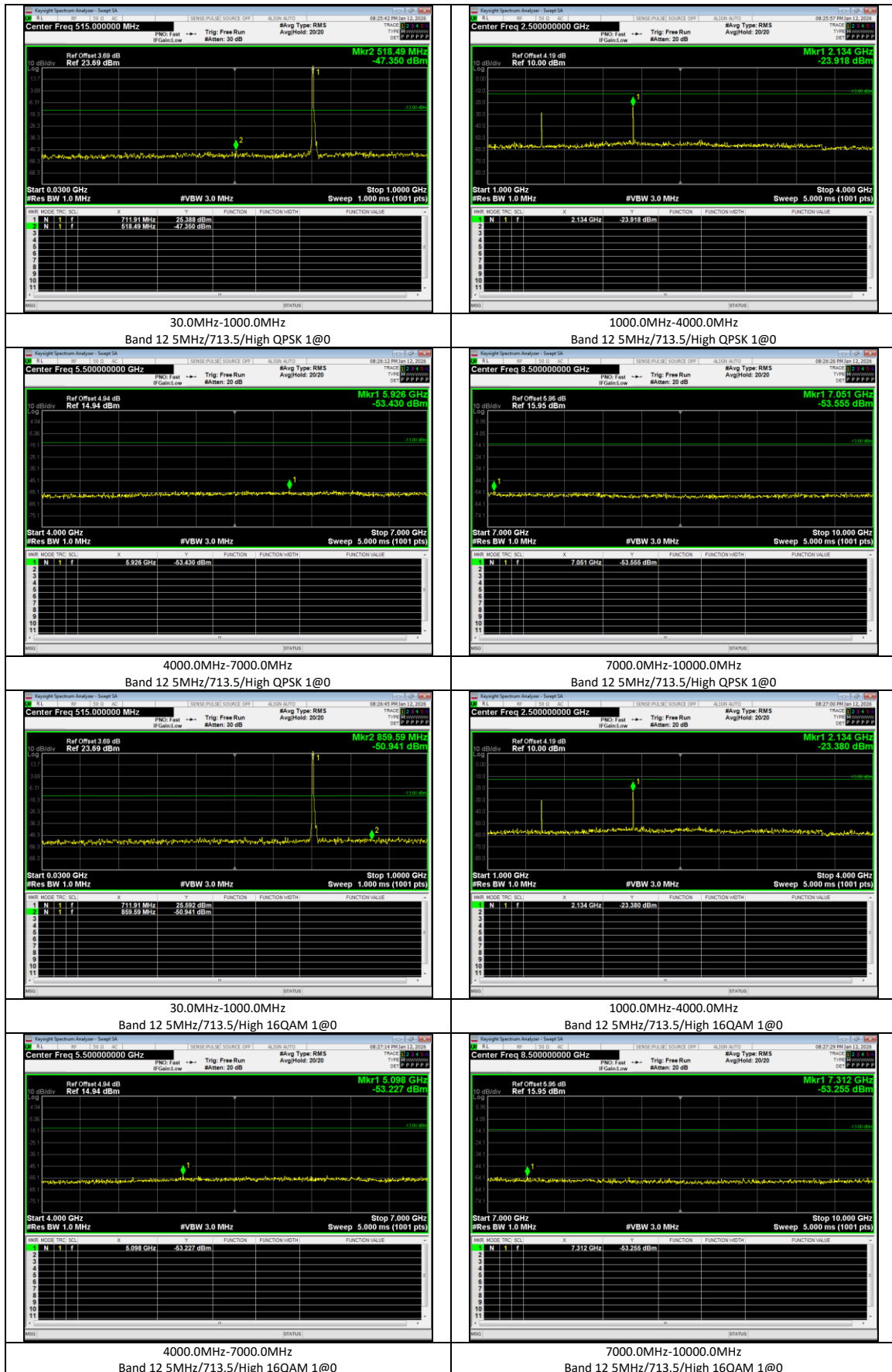
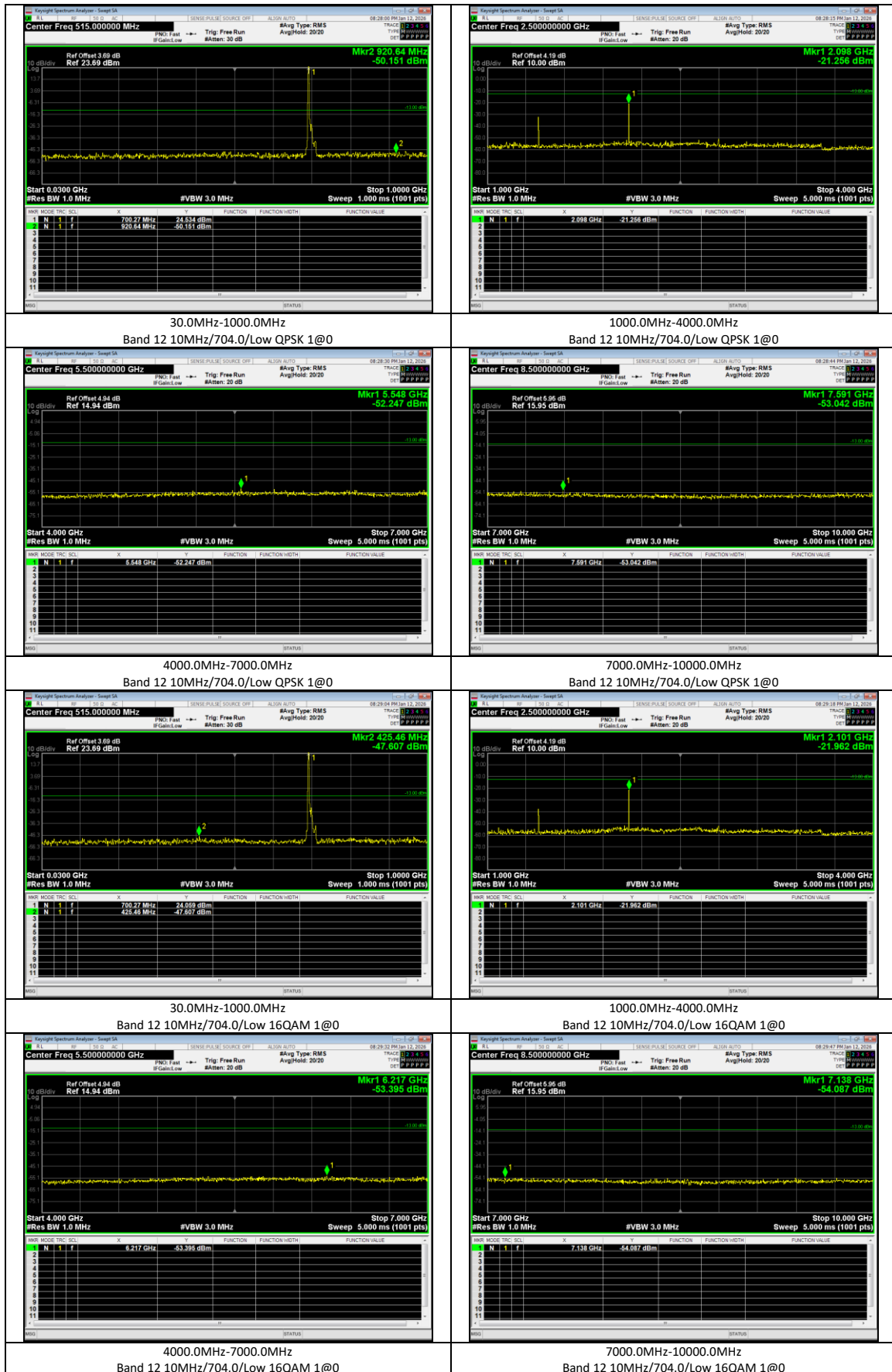
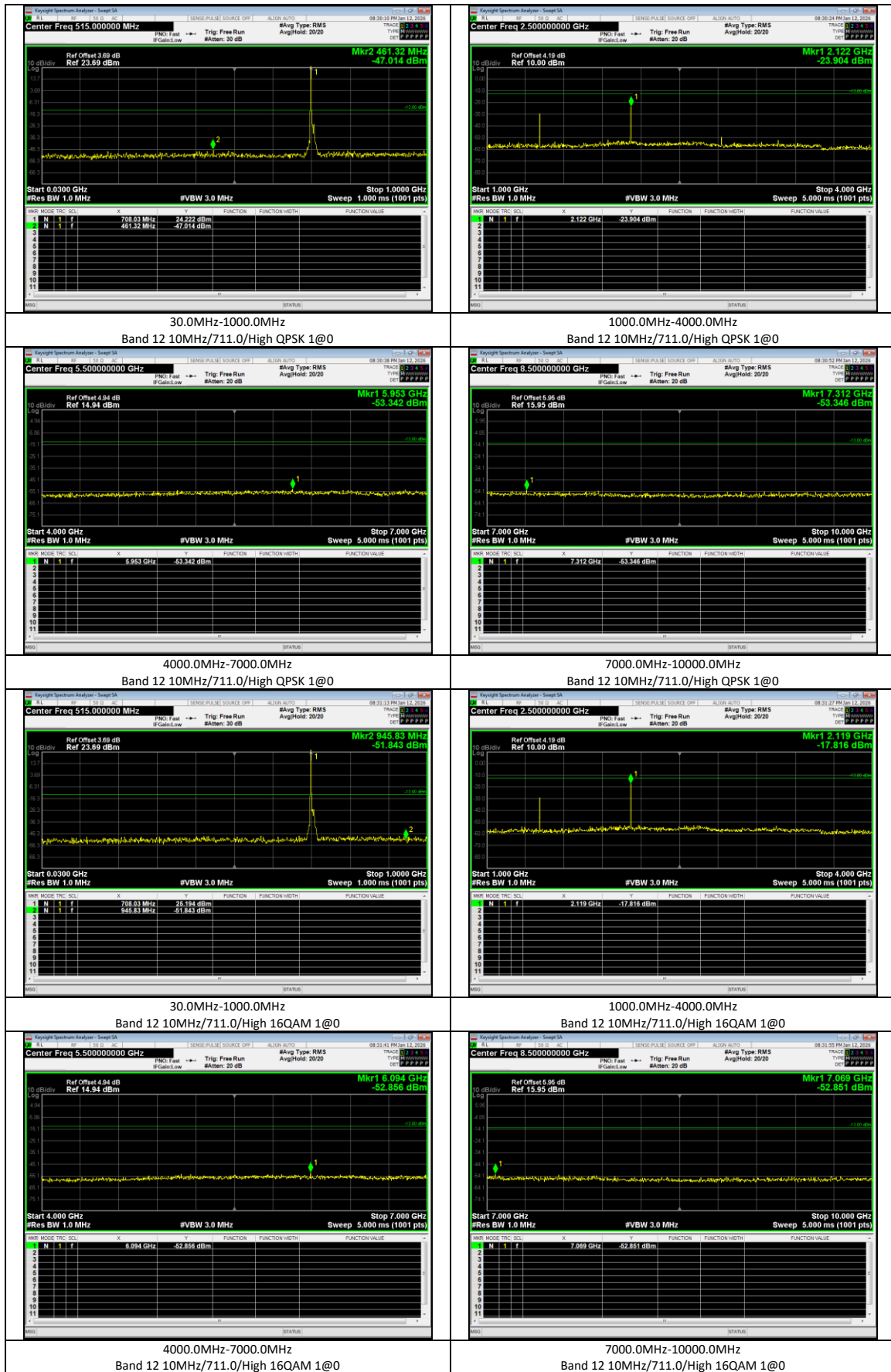


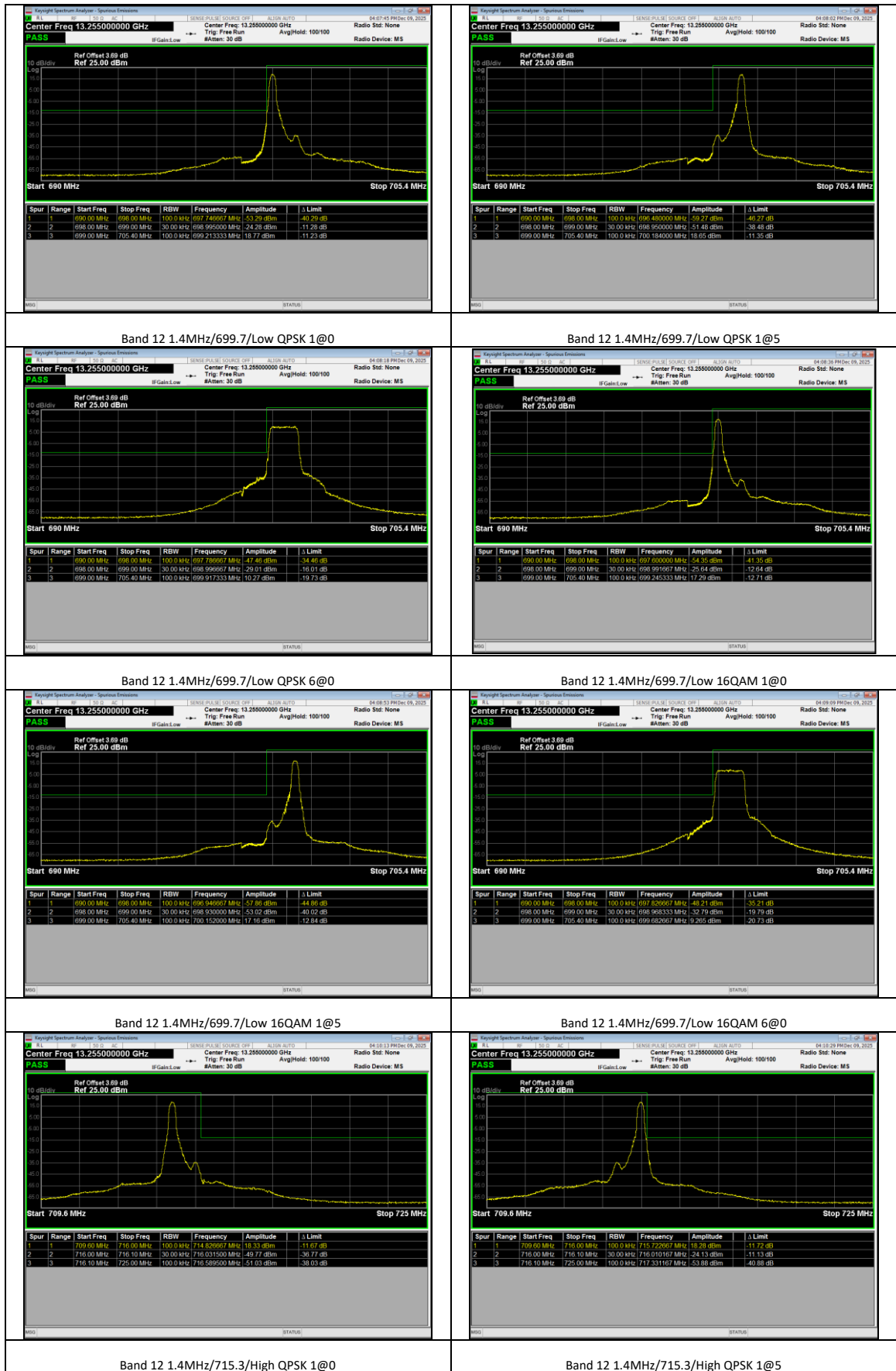


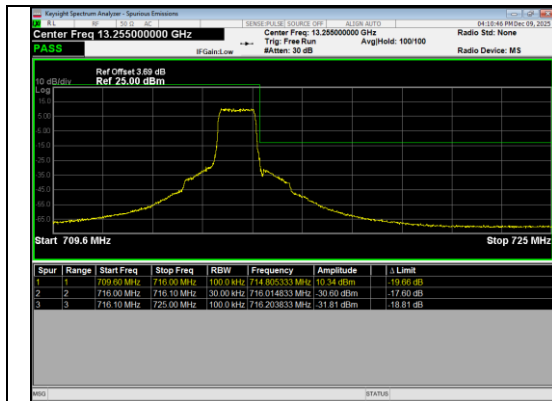




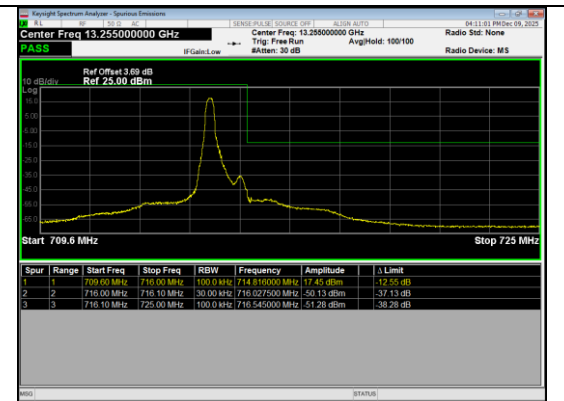
5. Band edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
12	1.4	23017	699.7	QPSK	1@0	see graph	PASS
12	1.4	23017	699.7	QPSK	1@5	see graph	PASS
12	1.4	23017	699.7	QPSK	6@0	see graph	PASS
12	1.4	23017	699.7	16QAM	1@0	see graph	PASS
12	1.4	23017	699.7	16QAM	1@5	see graph	PASS
12	1.4	23017	699.7	16QAM	6@0	see graph	PASS
12	1.4	23173	715.3	QPSK	1@0	see graph	PASS
12	1.4	23173	715.3	QPSK	1@5	see graph	PASS
12	1.4	23173	715.3	QPSK	6@0	see graph	PASS
12	1.4	23173	715.3	16QAM	1@0	see graph	PASS
12	1.4	23173	715.3	16QAM	1@5	see graph	PASS
12	1.4	23173	715.3	16QAM	6@0	see graph	PASS
12	3.0	23025	700.5	QPSK	1@0	see graph	PASS
12	3.0	23025	700.5	QPSK	1@14	see graph	PASS
12	3.0	23025	700.5	QPSK	15@0	see graph	PASS
12	3.0	23025	700.5	16QAM	1@0	see graph	PASS
12	3.0	23025	700.5	16QAM	1@14	see graph	PASS
12	3.0	23025	700.5	16QAM	15@0	see graph	PASS
12	3.0	23165	714.5	QPSK	1@0	see graph	PASS
12	3.0	23165	714.5	QPSK	1@14	see graph	PASS
12	3.0	23165	714.5	QPSK	15@0	see graph	PASS
12	3.0	23165	714.5	16QAM	1@0	see graph	PASS
12	3.0	23165	714.5	16QAM	1@14	see graph	PASS
12	3.0	23165	714.5	16QAM	15@0	see graph	PASS
12	5.0	23035	701.5	QPSK	1@0	see graph	PASS
12	5.0	23035	701.5	QPSK	1@24	see graph	PASS
12	5.0	23035	701.5	QPSK	25@0	see graph	PASS
12	5.0	23035	701.5	16QAM	1@0	see graph	PASS
12	5.0	23035	701.5	16QAM	1@24	see graph	PASS
12	5.0	23035	701.5	16QAM	25@0	see graph	PASS
12	5.0	23155	713.5	QPSK	1@0	see graph	PASS
12	5.0	23155	713.5	QPSK	1@24	see graph	PASS
12	5.0	23155	713.5	QPSK	25@0	see graph	PASS
12	5.0	23155	713.5	16QAM	1@0	see graph	PASS
12	5.0	23155	713.5	16QAM	1@24	see graph	PASS
12	5.0	23155	713.5	16QAM	25@0	see graph	PASS
12	10.0	23060	704.0	QPSK	1@0	see graph	PASS
12	10.0	23060	704.0	QPSK	1@49	see graph	PASS
12	10.0	23060	704.0	QPSK	50@0	see graph	PASS
12	10.0	23060	704.0	16QAM	1@0	see graph	PASS
12	10.0	23060	704.0	16QAM	1@49	see graph	PASS
12	10.0	23060	704.0	16QAM	50@0	see graph	PASS
12	10.0	23130	711.0	QPSK	1@0	see graph	PASS
12	10.0	23130	711.0	QPSK	1@49	see graph	PASS
12	10.0	23130	711.0	QPSK	50@0	see graph	PASS
12	10.0	23130	711.0	16QAM	1@0	see graph	PASS
12	10.0	23130	711.0	16QAM	1@49	see graph	PASS
12	10.0	23130	711.0	16QAM	50@0	see graph	PASS

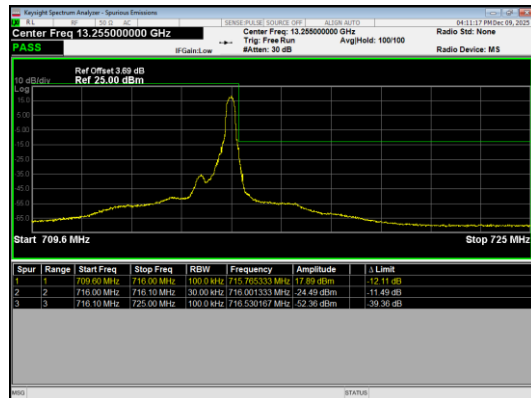




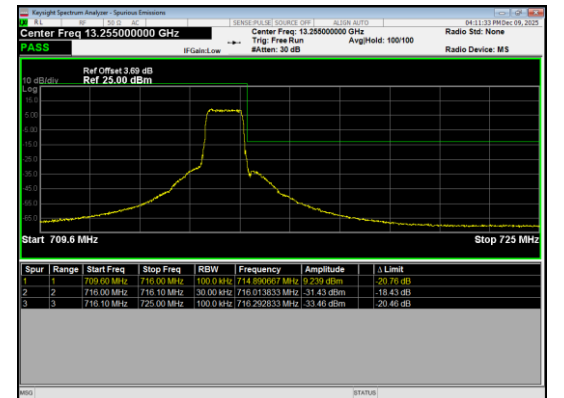
Band 12 1.4MHz/715.3/High QPSK 6@0



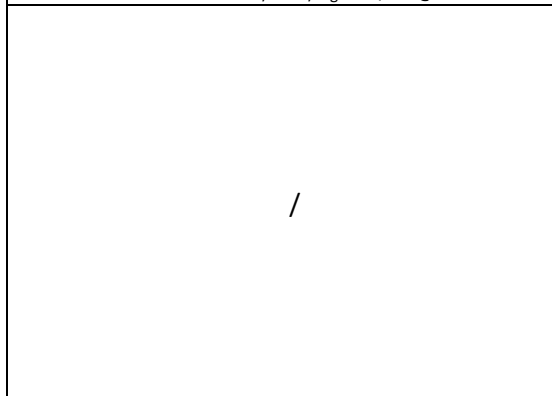
Band 12 1.4MHz/715.3/High 16QAM 1@0



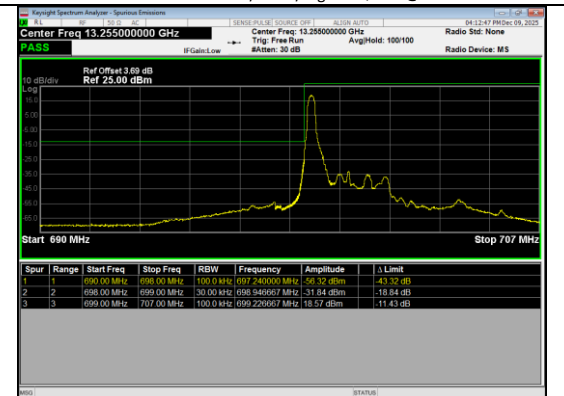
Band 12 1.4MHz/715.3/High 16QAM 1@5



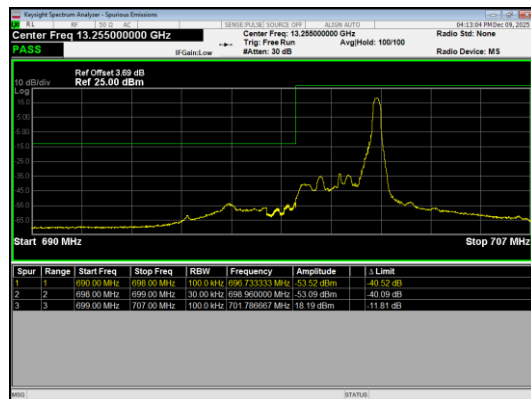
Band 12 1.4MHz/715.3/High 16QAM 6@0



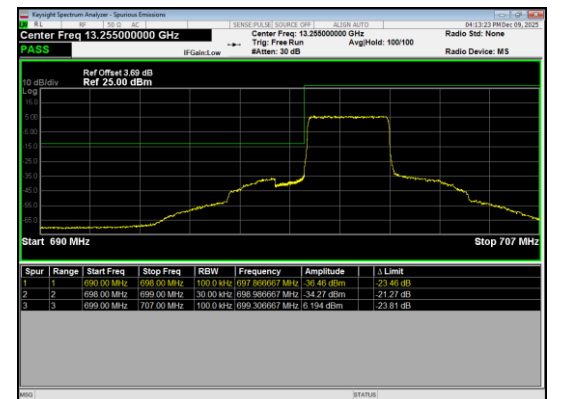
Band 12 1.4MHz/715.3/High 64QAM 6@0



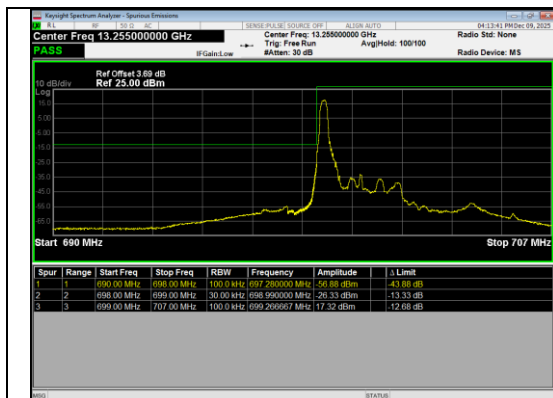
Band 12 3MHz/700.5/Low QPSK 1@0



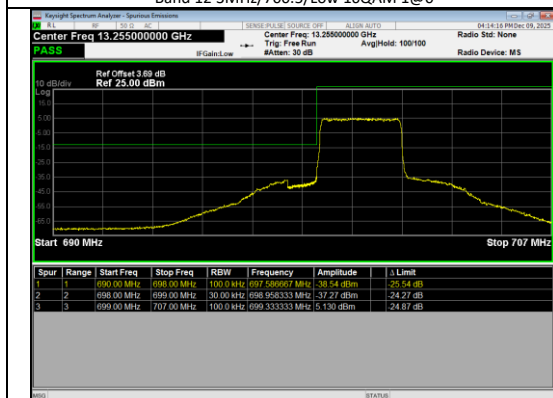
Band 12 3MHz/700.5/Low QPSK 1@14



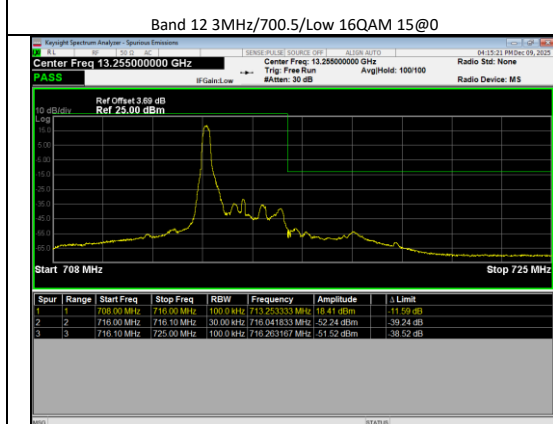
Band 12 3MHz/700.5/Low QPSK 15@0



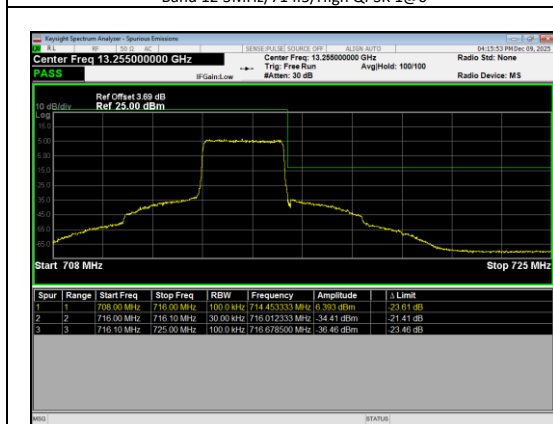
Band 12 3MHz/700.5/Low 16QAM 1@0



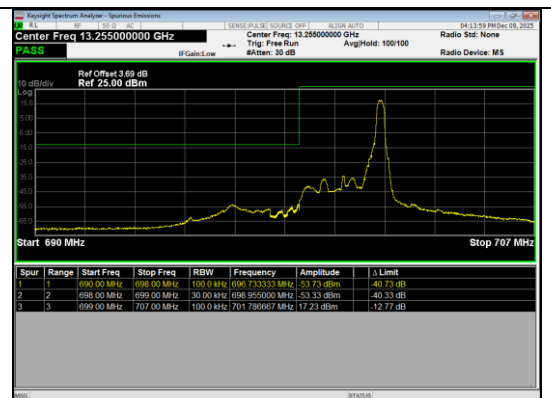
Band 12 3MHz/700.5/Low 16QAM 1@14



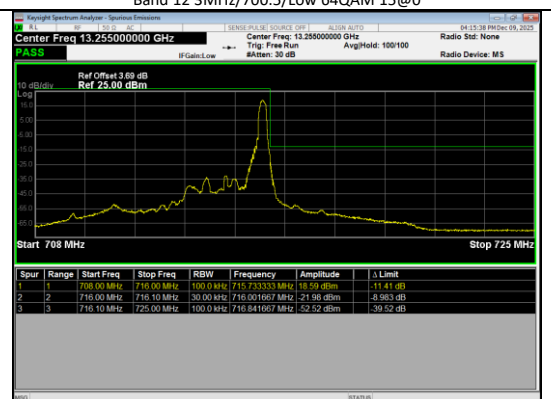
Band 12 3MHz/714.5/High QPSK 1@0



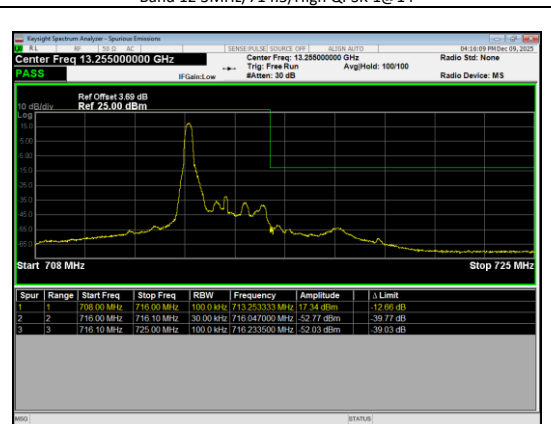
Band 12 3MHz/714.5/High QPSK 15@0



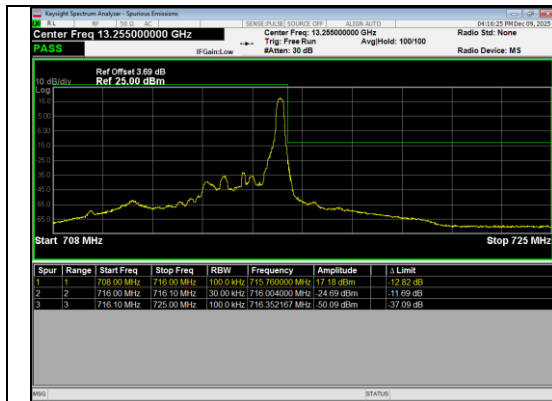
Band 12 3MHz/700.5/Low 64QAM 15@0



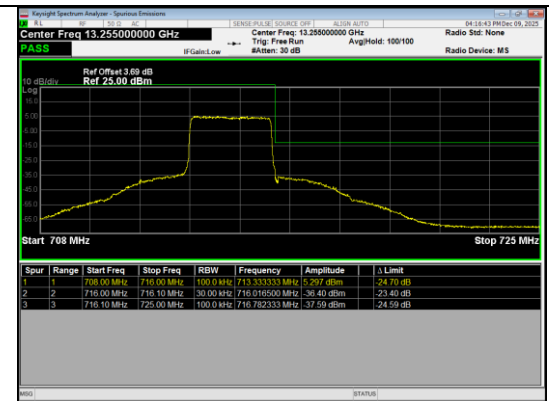
Band 12 3MHz/714.5/High QPSK 1@14



Band 12 3MHz/714.5/High 16QAM 1@0



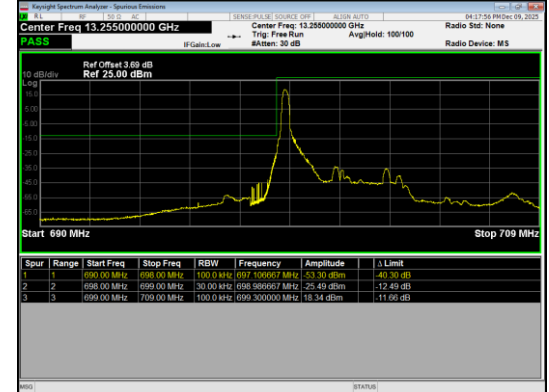
Band 12 3MHz/714.5/High 16QAM 1@14



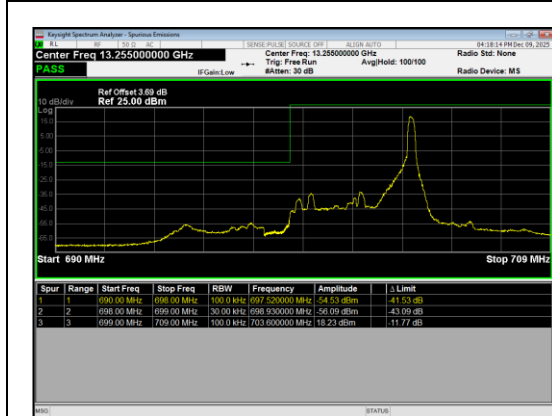
Band 12 3MHz/714.5/High 16QAM 15@0



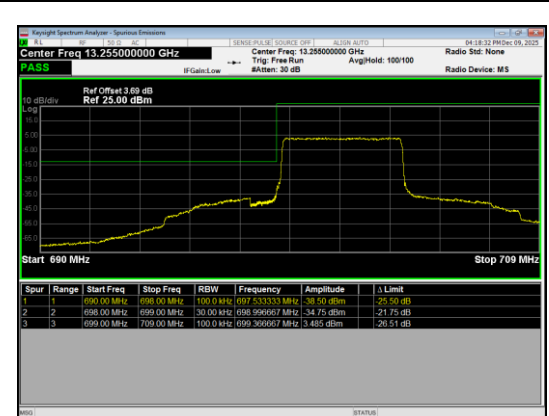
Band 12 3MHz/714.5/High 64QAM 15@0



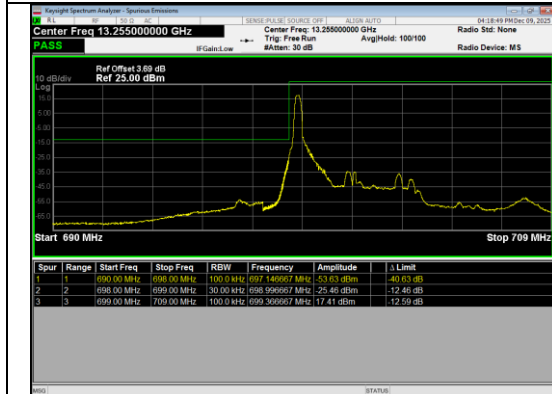
Band 12 5MHz/701.5/Low QPSK 1@0



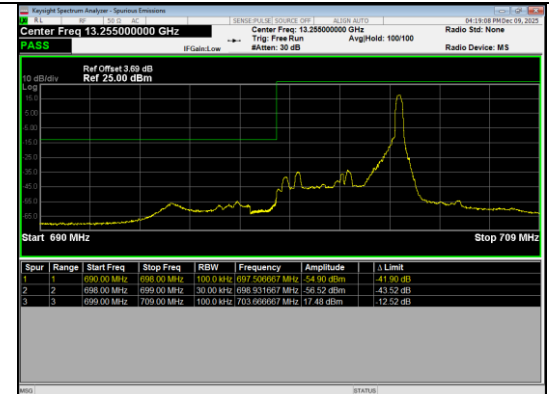
Band 12 5MHz/701.5/Low QPSK 1@24



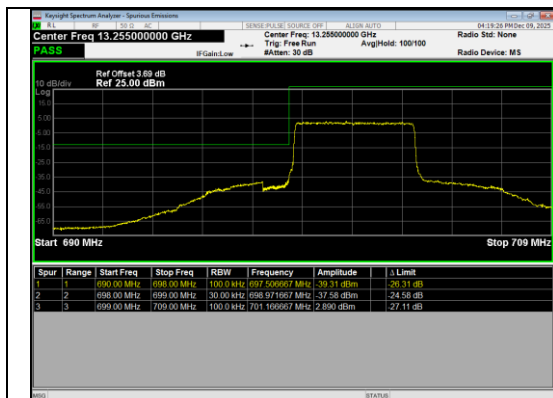
Band 12 5MHz/701.5/Low QPSK 25@0



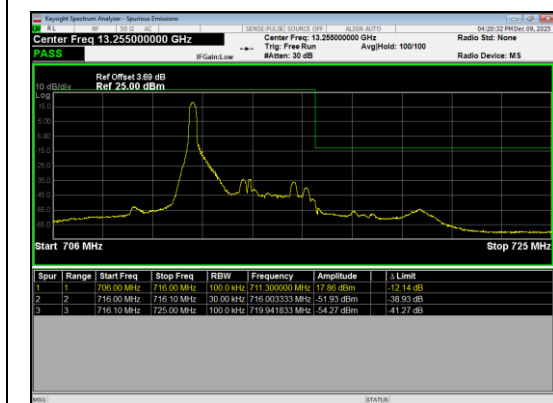
Band 12 5MHz/701.5/Low 16QAM 1@0



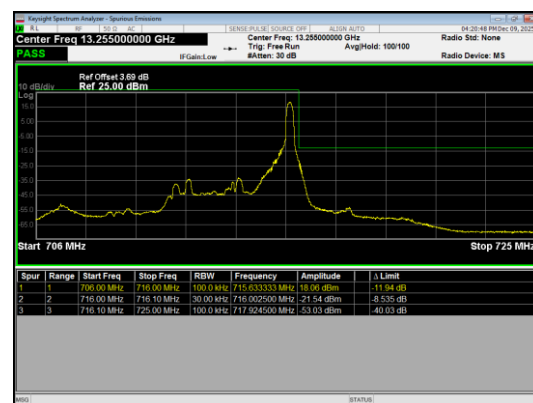
Band 12 5MHz/701.5/Low 16QAM 1@24



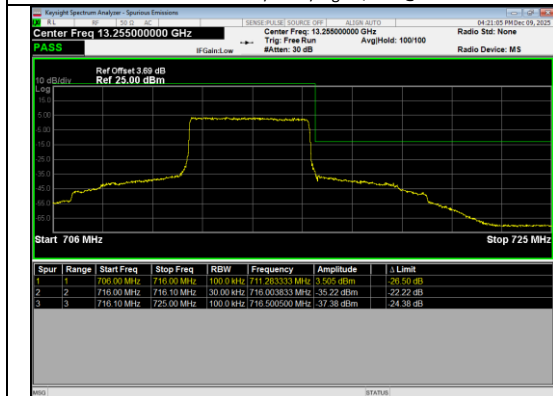
Band 12 5MHz/701.5/Low 16QAM 25@0



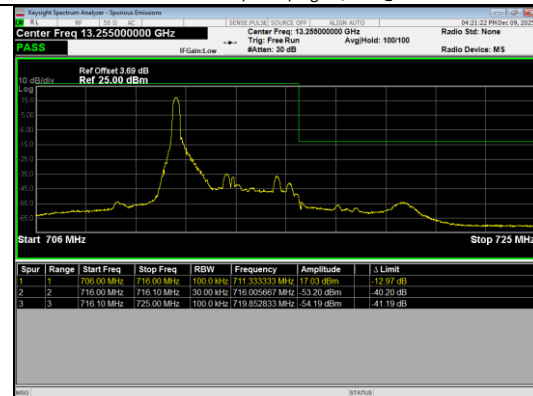
Band 12 5MHz/701.5/Low 64QAM 25@0



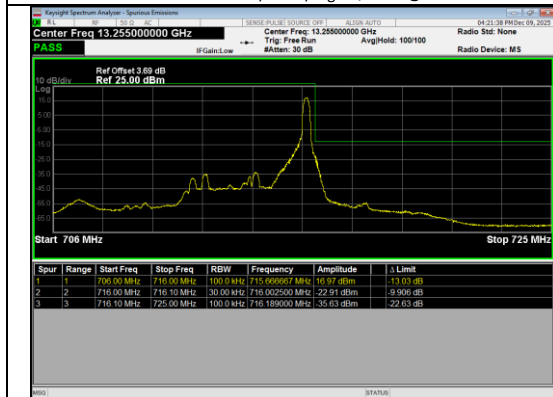
Band 12 5MHz/713.5/High QPSK 1@0



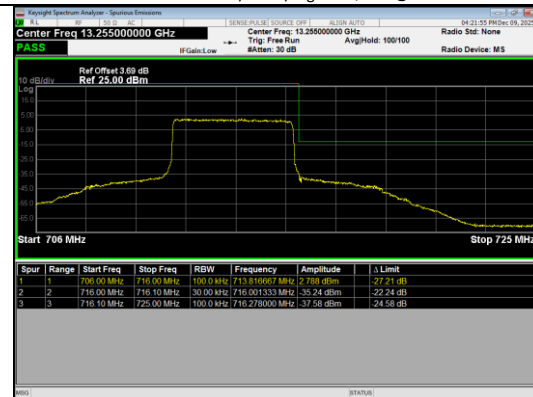
Band 12 5MHz/713.5/High QPSK 1@24



Band 12 5MHz/713.5/High QPSK 25@0

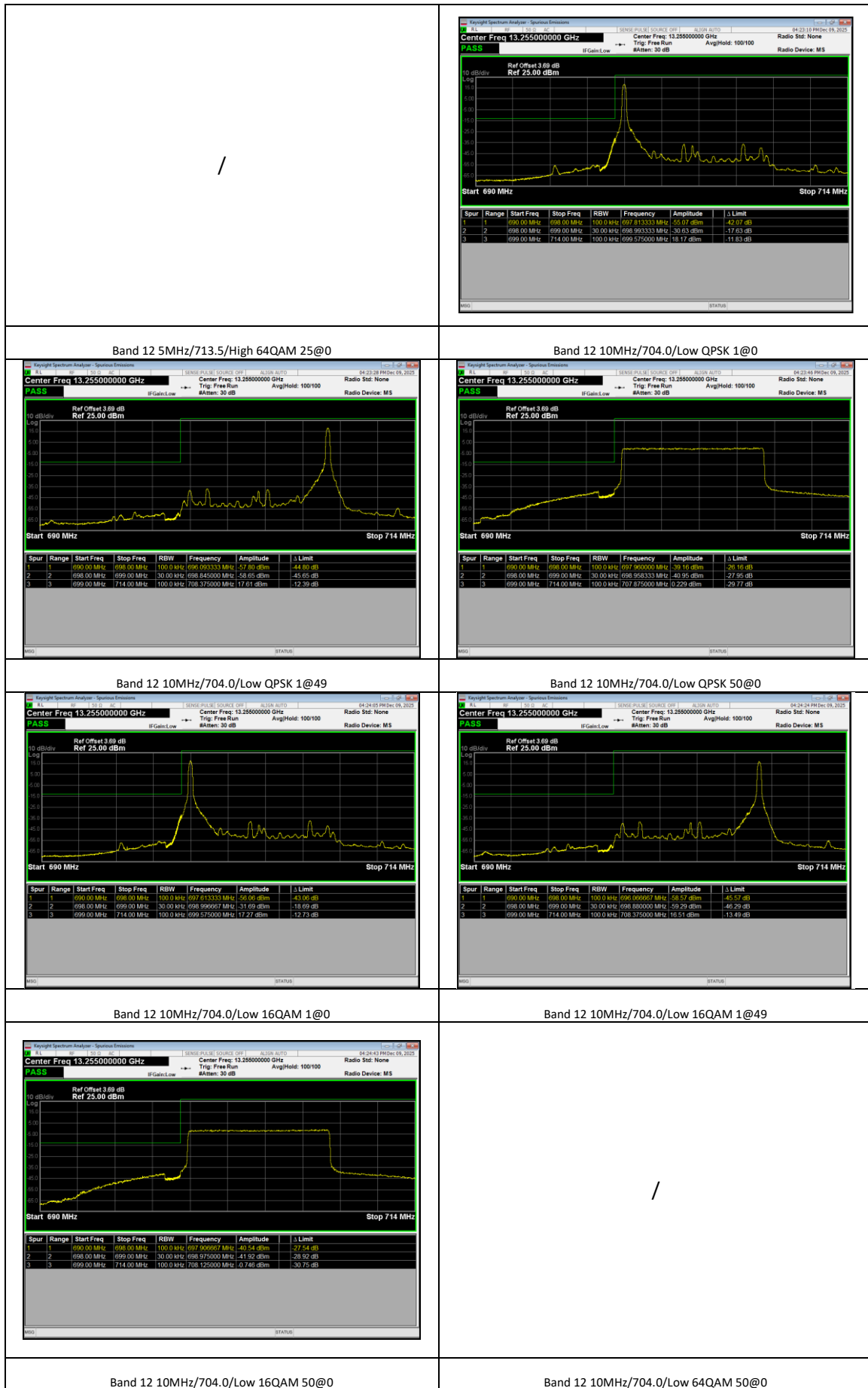


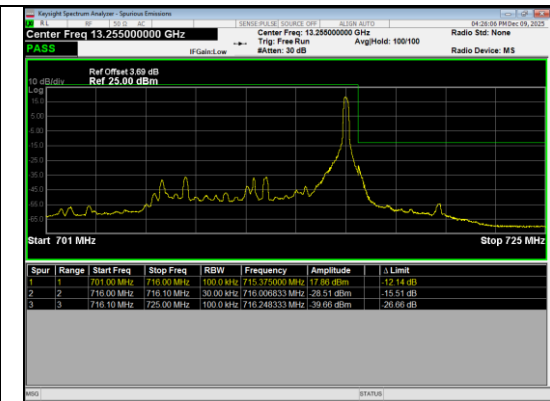
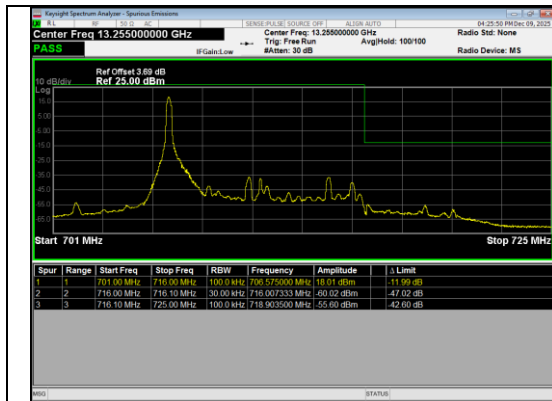
Band 12 5MHz/713.5/High 16QAM 1@0



Band 12 5MHz/713.5/High 16QAM 1@24

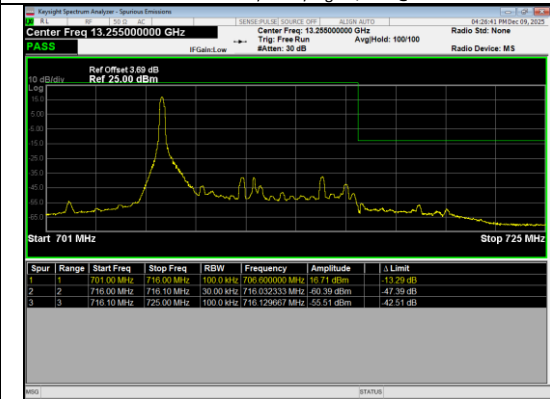
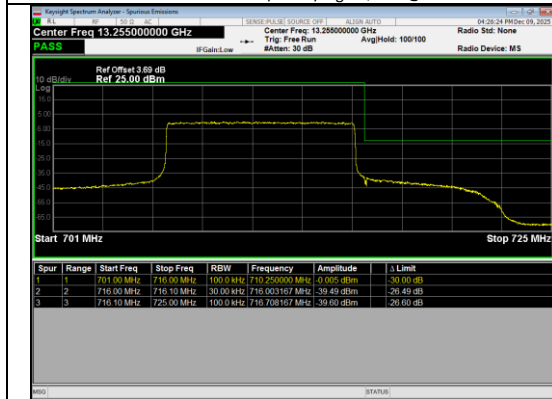
Band 12 5MHz/713.5/High 16QAM 25@0





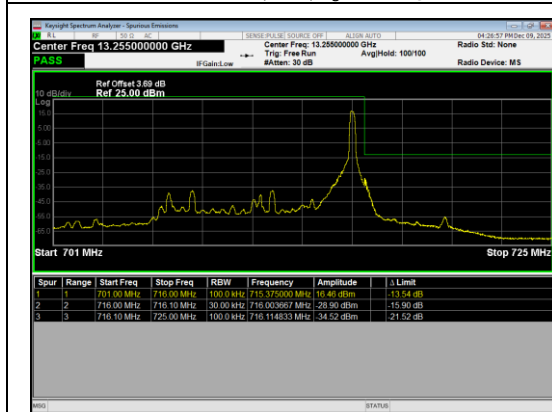
Band 12 10MHz/711.0/High QPSK 1@0

Band 12 10MHz/711.0/High QPSK 1@49



Band 12 10MHz/711.0/High QPSK 50@0

Band 12 10MHz/711.0/High 16QAM 1@0



Band 12 10MHz/711.0/High 16QAM 1@49

Band 12 10MHz/711.0/High 16QAM 50@0

6. Frequency Stability

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
12	10.0	23060	704.0	QPSK	50@0	-1.33	-0.00189	±2.5	PASS	TN/VL
12	10.0	23060	704.0	QPSK	50@0	-4.36	-0.0062	±2.5	PASS	TN/VN
12	10.0	23060	704.0	QPSK	50@0	-0.63	-0.00089	±2.5	PASS	TN/VH
12	10.0	23060	704.0	QPSK	50@0	1.73	0.00246	±2.5	PASS	-30°C/VN
12	10.0	23060	704.0	QPSK	50@0	-3.0	-0.00427	±2.5	PASS	-20°C/VN
12	10.0	23060	704.0	QPSK	50@0	-3.55	-0.00504	±2.5	PASS	-10°C/VN
12	10.0	23060	704.0	QPSK	50@0	-0.27	-0.00039	±2.5	PASS	0°C/VN
12	10.0	23060	704.0	QPSK	50@0	-0.41	-0.00059	±2.5	PASS	10°C/VN
12	10.0	23060	704.0	QPSK	50@0	1.54	0.00219	±2.5	PASS	20°C/VN
12	10.0	23060	704.0	QPSK	50@0	-2.1	-0.00299	±2.5	PASS	30°C/VN
12	10.0	23060	704.0	QPSK	50@0	-0.84	-0.0012	±2.5	PASS	40°C/VN
12	10.0	23060	704.0	QPSK	50@0	-1.62	-0.0023	±2.5	PASS	50°C/VN
12	10.0	23060	704.0	16QAM	50@0	-2.5	-0.00356	±2.5	PASS	TN/VL
12	10.0	23060	704.0	16QAM	50@0	-3.0	-0.00427	±2.5	PASS	TN/VN
12	10.0	23060	704.0	16QAM	50@0	-1.63	-0.00232	±2.5	PASS	TN/VH
12	10.0	23060	704.0	16QAM	50@0	0.3	0.00043	±2.5	PASS	-30°C/VN
12	10.0	23060	704.0	16QAM	50@0	-1.23	-0.00175	±2.5	PASS	-20°C/VN
12	10.0	23060	704.0	16QAM	50@0	0.62	0.00087	±2.5	PASS	-10°C/VN
12	10.0	23060	704.0	16QAM	50@0	-2.66	-0.00378	±2.5	PASS	0°C/VN
12	10.0	23060	704.0	16QAM	50@0	-2.22	-0.00315	±2.5	PASS	10°C/VN
12	10.0	23060	704.0	16QAM	50@0	-1.13	-0.00161	±2.5	PASS	20°C/VN
12	10.0	23060	704.0	16QAM	50@0	-3.25	-0.00461	±2.5	PASS	30°C/VN
12	10.0	23060	704.0	16QAM	50@0	-1.92	-0.00272	±2.5	PASS	40°C/VN
12	10.0	23060	704.0	16QAM	50@0	-2.62	-0.00372	±2.5	PASS	50°C/VN
12	10.0	23060	704.0	64QAM	50@0	-14.55	-0.02067	±2.5	PASS	TN/VL
12	10.0	23060	704.0	64QAM	50@0	-18.61	-0.02644	±2.5	PASS	TN/VN
12	10.0	23060	704.0	64QAM	50@0	-18.61	-0.02644	±2.5	PASS	TN/VH
12	10.0	23060	704.0	64QAM	50@0	-20.13	-0.02859	±2.5	PASS	-30°C/VN
12	10.0	23060	704.0	64QAM	50@0	-16.15	-0.02294	±2.5	PASS	-20°C/VN
12	10.0	23060	704.0	64QAM	50@0	-9.7	-0.01378	±2.5	PASS	-10°C/VN
12	10.0	23060	704.0	64QAM	50@0	-15.54	-0.02207	±2.5	PASS	0°C/VN
12	10.0	23060	704.0	64QAM	50@0	-22.42	-0.03184	±2.5	PASS	10°C/VN
12	10.0	23060	704.0	64QAM	50@0	-7.31	-0.01038	±2.5	PASS	20°C/VN
12	10.0	23060	704.0	64QAM	50@0	-14.05	-0.01995	±2.5	PASS	30°C/VN
12	10.0	23060	704.0	64QAM	50@0	-23.4	-0.03324	±2.5	PASS	40°C/VN
12	10.0	23060	704.0	64QAM	50@0	-10.96	-0.01556	±2.5	PASS	50°C/VN
12	10.0	23095	707.5	QPSK	50@0	-0.86	-0.00121	±2.5	PASS	TN/VL
12	10.0	23095	707.5	QPSK	50@0	0.32	0.00045	±2.5	PASS	TN/VN
12	10.0	23095	707.5	QPSK	50@0	3.75	0.0053	±2.5	PASS	TN/VH
12	10.0	23095	707.5	QPSK	50@0	0.96	0.00135	±2.5	PASS	-30°C/VN
12	10.0	23095	707.5	QPSK	50@0	2.82	0.00398	±2.5	PASS	-20°C/VN
12	10.0	23095	707.5	QPSK	50@0	4.36	0.00617	±2.5	PASS	-10°C/VN

12	10.0	23095	707.5	QPSK	50@0	-1.43	-0.00202	±2.5	PASS	0°C/VN
12	10.0	23095	707.5	QPSK	50@0	-0.96	-0.00135	±2.5	PASS	10°C/VN
12	10.0	23095	707.5	QPSK	50@0	-3.4	-0.00481	±2.5	PASS	20°C/VN
12	10.0	23095	707.5	QPSK	50@0	-1.6	-0.00226	±2.5	PASS	30°C/VN
12	10.0	23095	707.5	QPSK	50@0	1.27	0.0018	±2.5	PASS	40°C/VN
12	10.0	23095	707.5	QPSK	50@0	0.69	0.00097	±2.5	PASS	50°C/VN
12	10.0	23095	707.5	16QAM	50@0	-2.33	-0.0033	±2.5	PASS	TN/VL
12	10.0	23095	707.5	16QAM	50@0	-0.2	-0.00028	±2.5	PASS	TN/VN
12	10.0	23095	707.5	16QAM	50@0	-2.55	-0.0036	±2.5	PASS	TN/VH
12	10.0	23095	707.5	16QAM	50@0	-2.72	-0.00384	±2.5	PASS	-30°C/VN
12	10.0	23095	707.5	16QAM	50@0	3.4	0.00481	±2.5	PASS	-20°C/VN
12	10.0	23095	707.5	16QAM	50@0	-1.69	-0.00239	±2.5	PASS	-10°C/VN
12	10.0	23095	707.5	16QAM	50@0	-2.49	-0.00352	±2.5	PASS	0°C/VN
12	10.0	23095	707.5	16QAM	50@0	1.7	0.00241	±2.5	PASS	10°C/VN
12	10.0	23095	707.5	16QAM	50@0	0.62	0.00087	±2.5	PASS	20°C/VN
12	10.0	23095	707.5	16QAM	50@0	-1.24	-0.00176	±2.5	PASS	30°C/VN
12	10.0	23095	707.5	16QAM	50@0	-3.39	-0.00479	±2.5	PASS	40°C/VN
12	10.0	23095	707.5	16QAM	50@0	-1.34	-0.0019	±2.5	PASS	50°C/VN
12	10.0	23095	707.5	64QAM	50@0	-12.79	-0.01808	±2.5	PASS	TN/VL
12	10.0	23095	707.5	64QAM	50@0	-15.21	-0.02149	±2.5	PASS	TN/VN
12	10.0	23095	707.5	64QAM	50@0	-3.1	-0.00439	±2.5	PASS	TN/VH
12	10.0	23095	707.5	64QAM	50@0	-6.98	-0.00987	±2.5	PASS	-30°C/VN
12	10.0	23095	707.5	64QAM	50@0	-8.53	-0.01205	±2.5	PASS	-20°C/VN
12	10.0	23095	707.5	64QAM	50@0	-17.42	-0.02463	±2.5	PASS	-10°C/VN
12	10.0	23095	707.5	64QAM	50@0	-21.24	-0.03003	±2.5	PASS	0°C/VN
12	10.0	23095	707.5	64QAM	50@0	-14.18	-0.02004	±2.5	PASS	10°C/VN
12	10.0	23095	707.5	64QAM	50@0	-18.21	-0.02574	±2.5	PASS	20°C/VN
12	10.0	23095	707.5	64QAM	50@0	-7.55	-0.01068	±2.5	PASS	30°C/VN
12	10.0	23095	707.5	64QAM	50@0	-7.45	-0.01053	±2.5	PASS	40°C/VN
12	10.0	23095	707.5	64QAM	50@0	-4.61	-0.00651	±2.5	PASS	50°C/VN
12	10.0	23130	711.0	QPSK	50@0	-1.47	-0.00207	±2.5	PASS	TN/VL
12	10.0	23130	711.0	QPSK	50@0	1.44	0.00203	±2.5	PASS	TN/VN
12	10.0	23130	711.0	QPSK	50@0	-4.32	-0.00608	±2.5	PASS	TN/VH
12	10.0	23130	711.0	QPSK	50@0	-3.75	-0.00527	±2.5	PASS	-30°C/VN
12	10.0	23130	711.0	QPSK	50@0	-1.04	-0.00147	±2.5	PASS	-20°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.99	-0.00421	±2.5	PASS	-10°C/VN
12	10.0	23130	711.0	QPSK	50@0	-0.86	-0.00121	±2.5	PASS	0°C/VN
12	10.0	23130	711.0	QPSK	50@0	0.32	0.00045	±2.5	PASS	10°C/VN
12	10.0	23130	711.0	QPSK	50@0	1.53	0.00215	±2.5	PASS	20°C/VN
12	10.0	23130	711.0	QPSK	50@0	-3.42	-0.00481	±2.5	PASS	30°C/VN
12	10.0	23130	711.0	QPSK	50@0	-3.91	-0.00549	±2.5	PASS	40°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.79	-0.00392	±2.5	PASS	50°C/VN
12	10.0	23130	711.0	16QAM	50@0	-1.03	-0.00145	±2.5	PASS	TN/VL
12	10.0	23130	711.0	16QAM	50@0	-2.49	-0.0035	±2.5	PASS	TN/VN
12	10.0	23130	711.0	16QAM	50@0	0.5	0.0007	±2.5	PASS	TN/VH
12	10.0	23130	711.0	16QAM	50@0	0.32	0.00045	±2.5	PASS	-30°C/VN
12	10.0	23130	711.0	16QAM	50@0	-3.95	-0.00555	±2.5	PASS	-20°C/VN
12	10.0	23130	711.0	16QAM	50@0	-1.42	-0.00199	±2.5	PASS	-10°C/VN
12	10.0	23130	711.0	16QAM	50@0	-2.35	-0.0033	±2.5	PASS	0°C/VN

12	10.0	23130	711.0	16QAM	50@0	-1.82	-0.00256	±2.5	PASS	10°C/VN
12	10.0	23130	711.0	16QAM	50@0	-0.36	-0.0005	±2.5	PASS	20°C/VN
12	10.0	23130	711.0	16QAM	50@0	-2.72	-0.00382	±2.5	PASS	30°C/VN
12	10.0	23130	711.0	16QAM	50@0	-0.86	-0.00121	±2.5	PASS	40°C/VN
12	10.0	23130	711.0	16QAM	50@0	-2.52	-0.00354	±2.5	PASS	50°C/VN
12	10.0	23130	711.0	64QAM	50@0	-19.67	-0.02766	±2.5	PASS	TN/VL
12	10.0	23130	711.0	64QAM	50@0	-18.41	-0.02589	±2.5	PASS	TN/VN
12	10.0	23130	711.0	64QAM	50@0	-8.55	-0.01203	±2.5	PASS	TN/VH
12	10.0	23130	711.0	64QAM	50@0	-5.89	-0.00829	±2.5	PASS	-30°C/VN
12	10.0	23130	711.0	64QAM	50@0	-16.71	-0.0235	±2.5	PASS	-20°C/VN
12	10.0	23130	711.0	64QAM	50@0	-16.48	-0.02318	±2.5	PASS	-10°C/VN
12	10.0	23130	711.0	64QAM	50@0	-14.09	-0.01982	±2.5	PASS	0°C/VN
12	10.0	23130	711.0	64QAM	50@0	-12.63	-0.01777	±2.5	PASS	10°C/VN
12	10.0	23130	711.0	64QAM	50@0	-11.33	-0.01593	±2.5	PASS	20°C/VN
12	10.0	23130	711.0	64QAM	50@0	-13.09	-0.01841	±2.5	PASS	30°C/VN
12	10.0	23130	711.0	64QAM	50@0	-22.2	-0.03123	±2.5	PASS	40°C/VN
12	10.0	23130	711.0	64QAM	50@0	-17.29	-0.02432	±2.5	PASS	50°C/VN