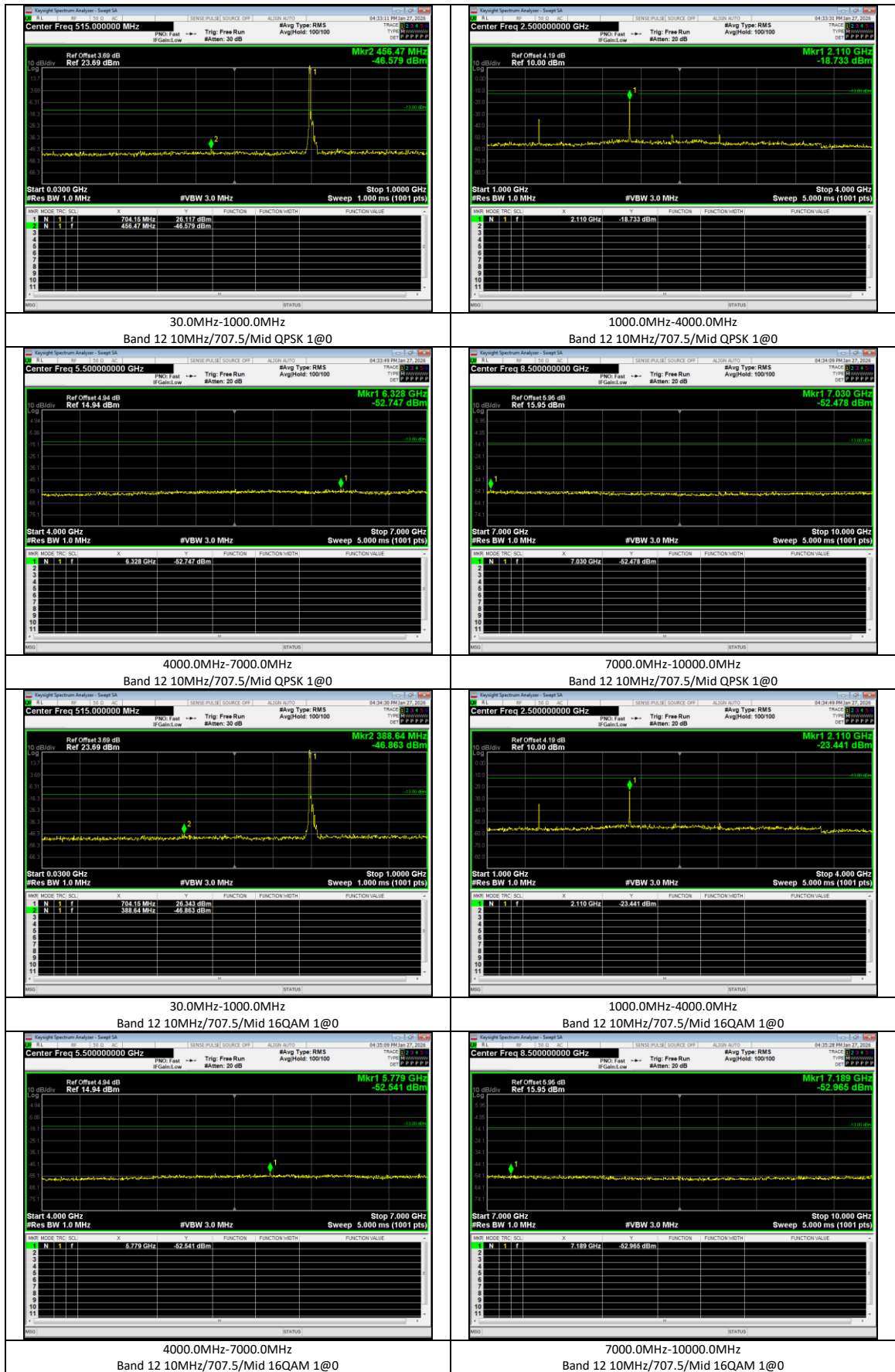
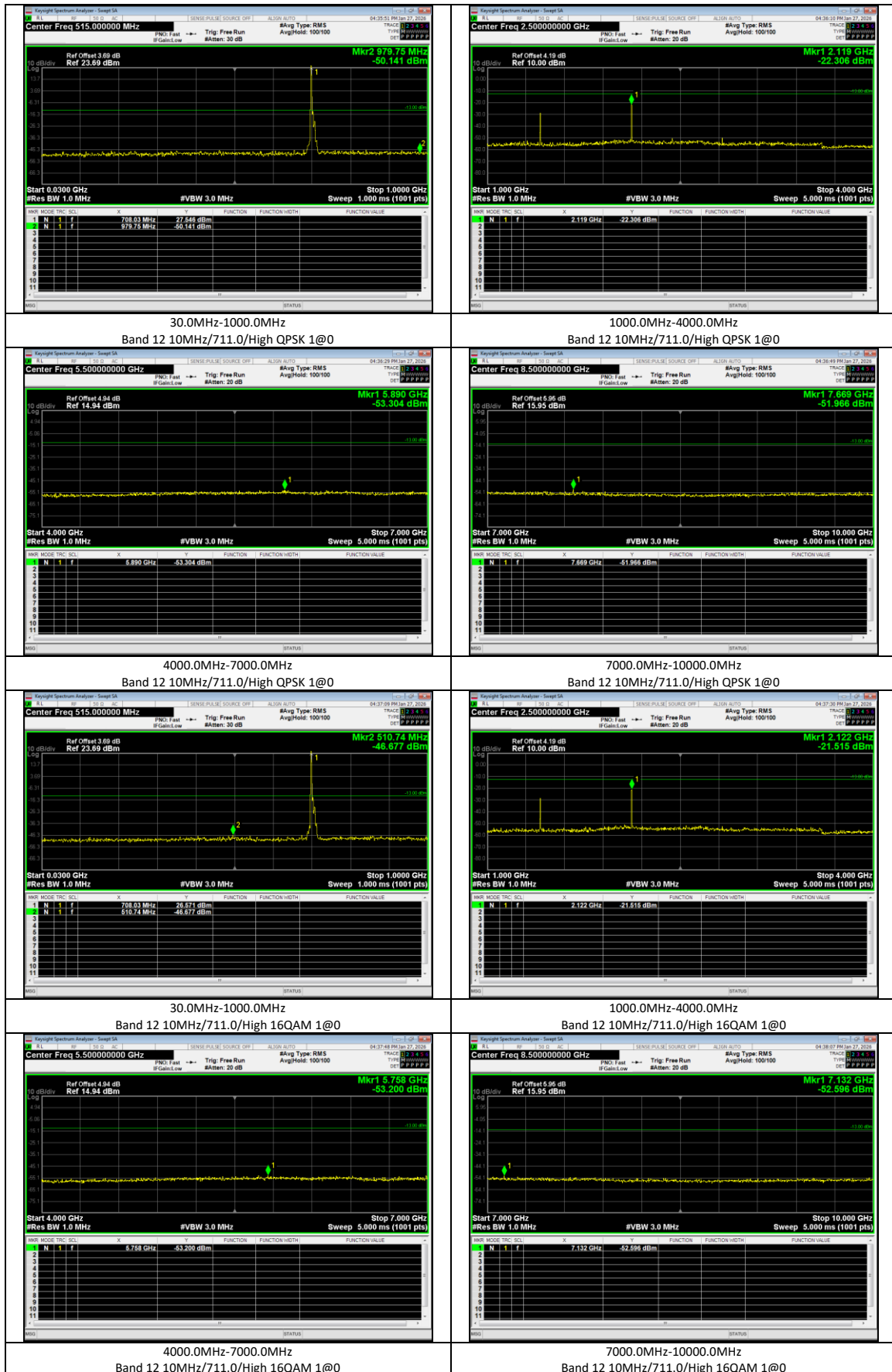
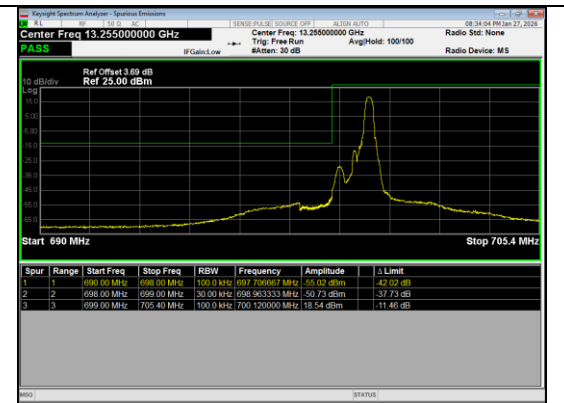
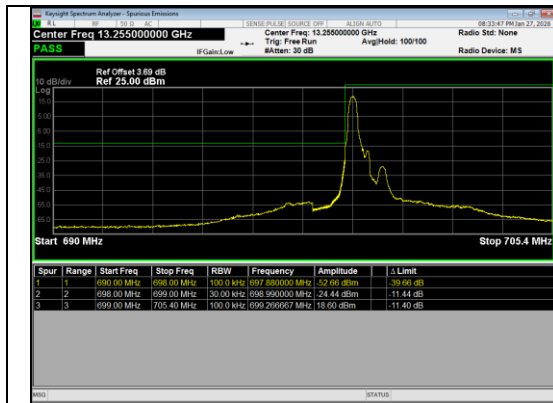




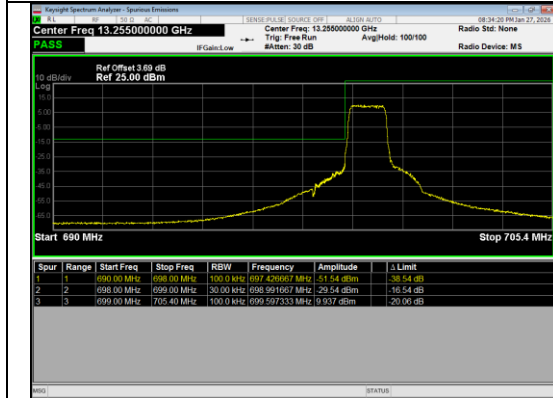


5. Band edge

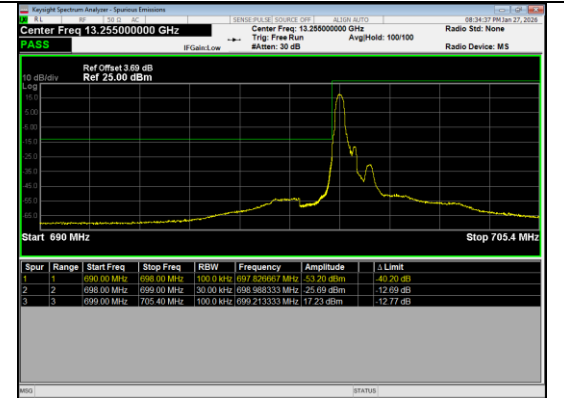
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
12	1.4	23017	699.7	QPSK	1@0	see graph	PASS
12	1.4	23017	699.7	QPSK	1@5	see graph	PASS
12	1.4	23017	699.7	QPSK	6@0	see graph	PASS
12	1.4	23017	699.7	16QAM	1@0	see graph	PASS
12	1.4	23017	699.7	16QAM	1@5	see graph	PASS
12	1.4	23017	699.7	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



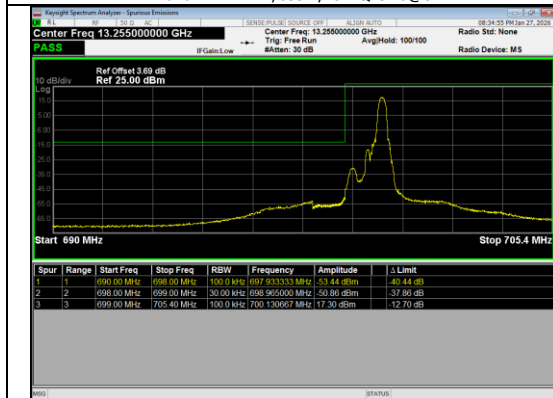
Band 12 1.4MHz/699.7/Low QPSK 1@0



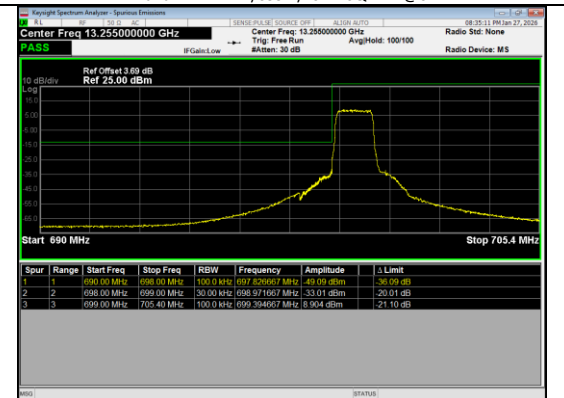
Band 12 1.4MHz/699.7/Low QPSK 1@5



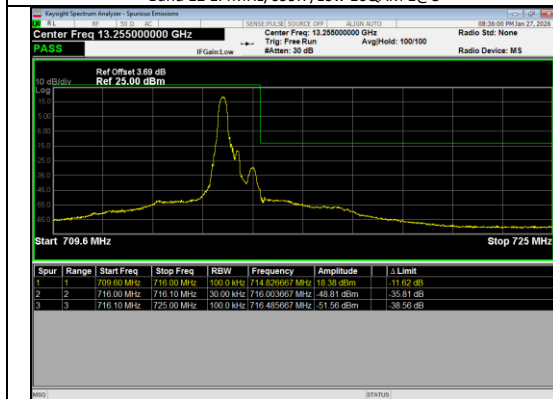
Band 12 1.4MHz/699.7/Low QPSK 6@0



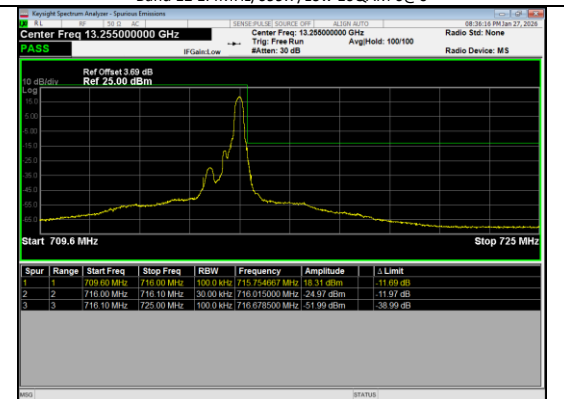
Band 12 1.4MHz/699.7/Low 16QAM 1@0



Band 12 1.4MHz/699.7/Low 16QAM 1@5

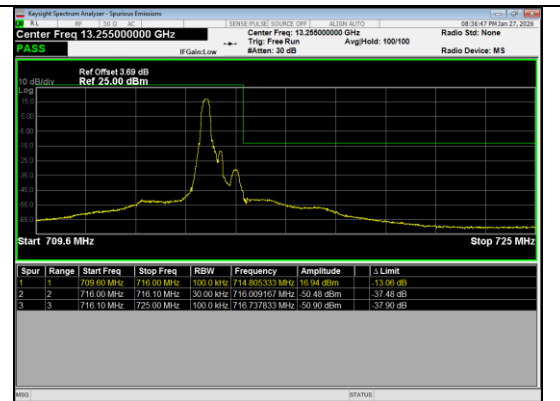
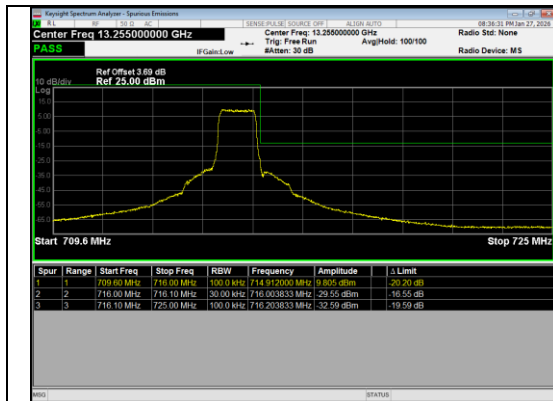


Band 12 1.4MHz/699.7/Low 16QAM 6@0

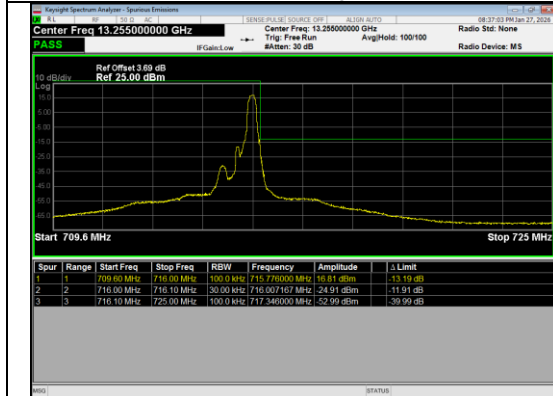


Band 12 1.4MHz/715.3/High QPSK 1@0

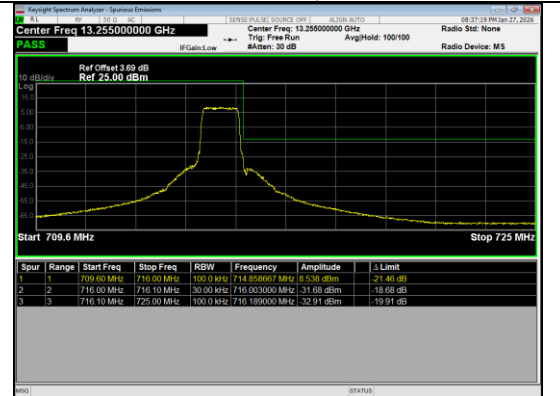
Band 12 1.4MHz/715.3/High QPSK 1@5



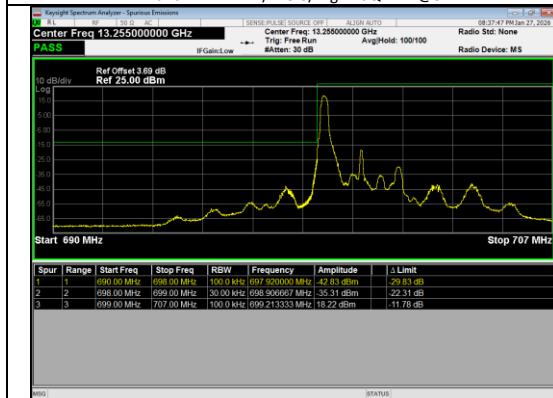
Band 12 1.4MHz/715.3/High QPSK 6@0



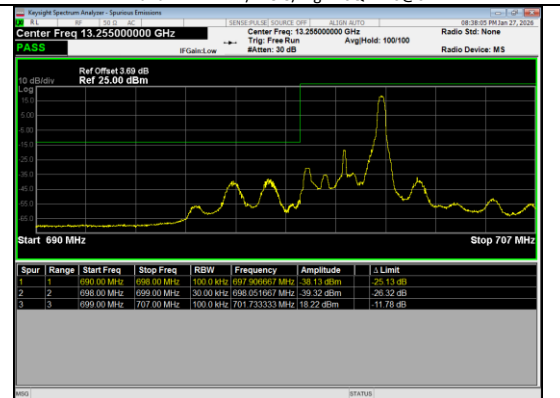
Band 12 1.4MHz/715.3/High 16QAM 1@0



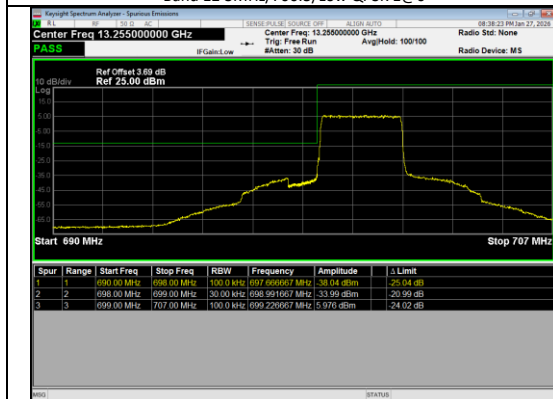
Band 12 1.4MHz/715.3/High 16QAM 1@5



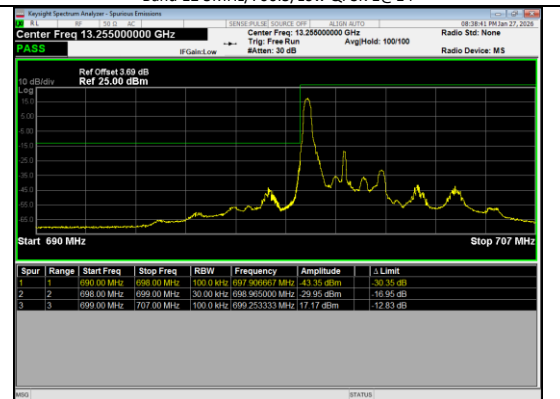
Band 12 1.4MHz/715.3/High 16QAM 6@0



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

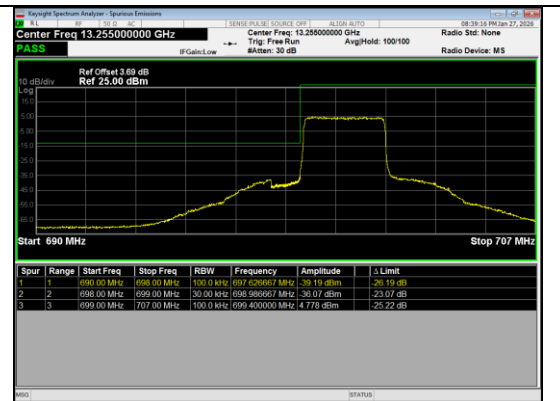
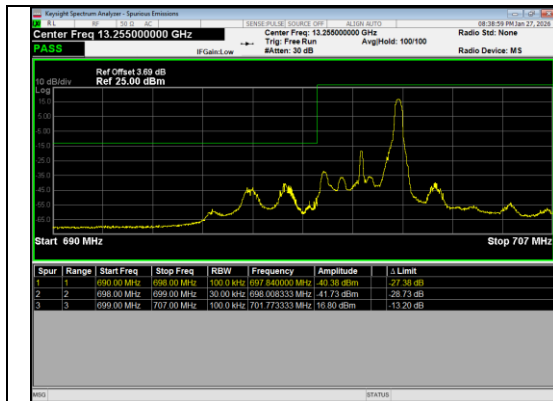


Band 12 3MHz/700.5/Low QPSK 1@14

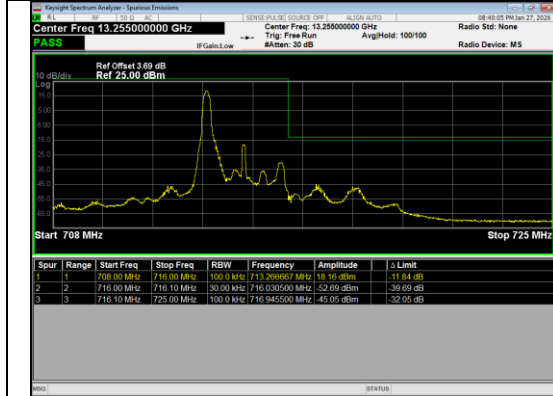


Band 12 3MHz/700.5/Low QPSK 15@0

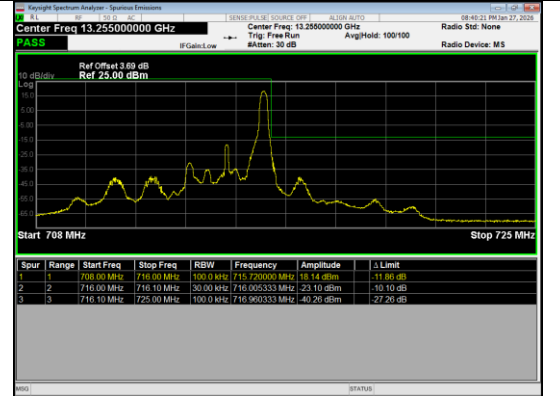
Band 12 3MHz/700.5/Low 16QAM 1@0



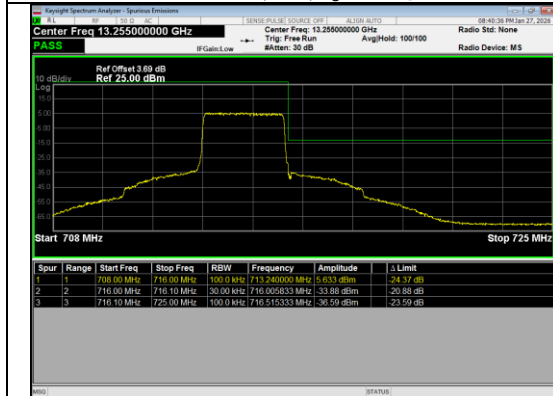
Band 12 3MHz/700.5/Low 16QAM 1@14



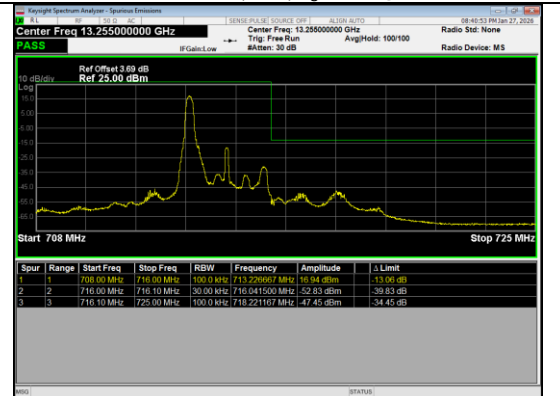
Band 12 3MHz/700.5/Low 16QAM 15@0



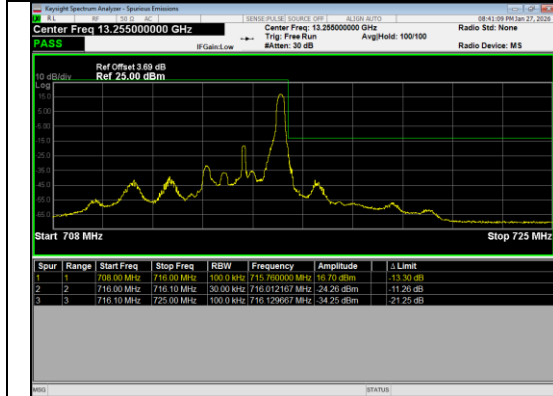
Band 12 3MHz/714.5/High QPSK 1@0



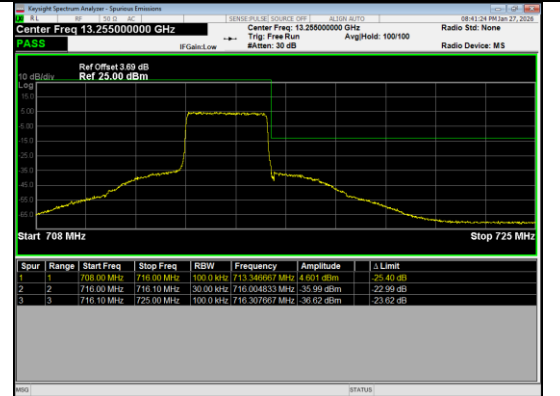
Band 12 3MHz/714.5/High QPSK 1@14



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

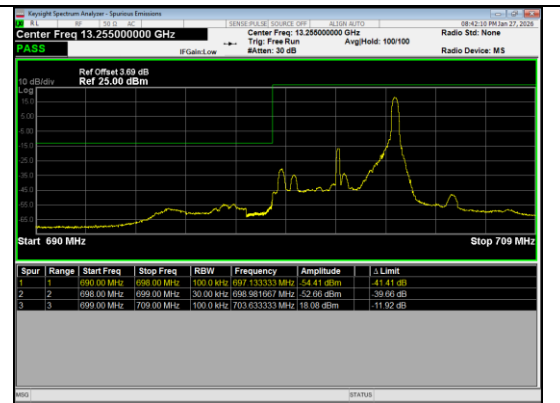
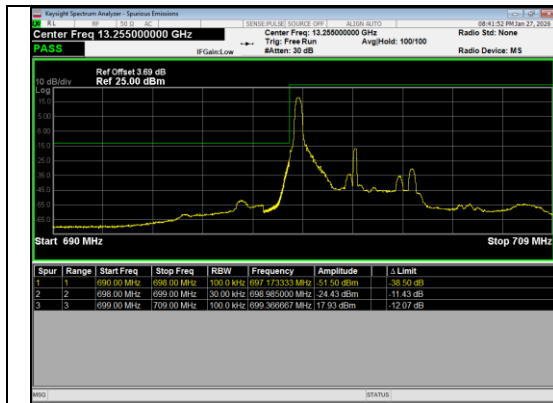


Band 12 3MHz/714.5/High 16QAM 1@0

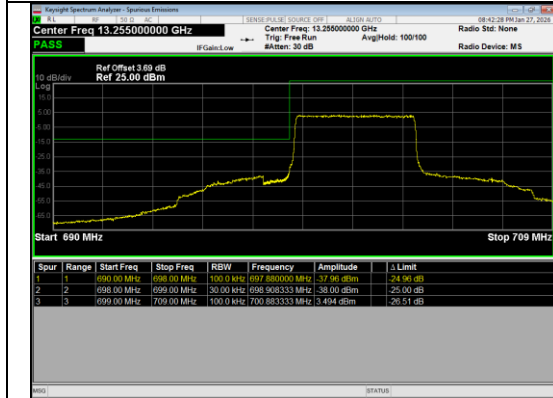


Band 12 3MHz/714.5/High 16QAM 1@14

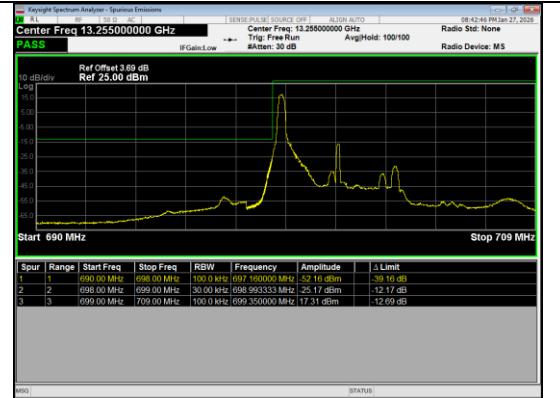
Band 12 3MHz/714.5/High 16QAM 15@0



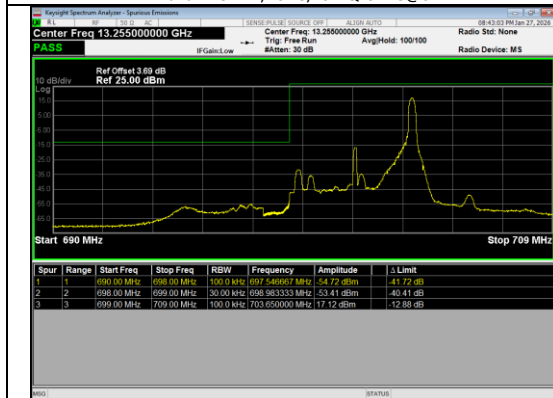
Band 12 5MHz/701.5/Low QPSK 1@0



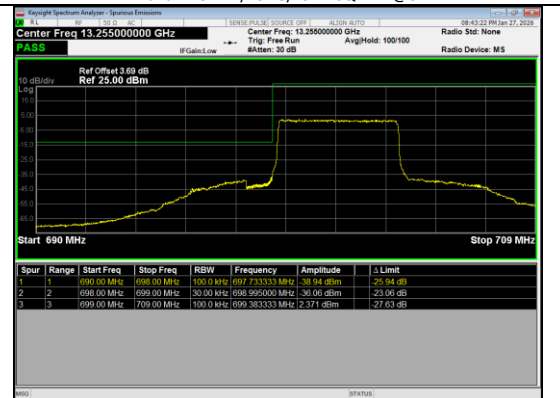
Band 12 5MHz/701.5/Low QPSK 1@24



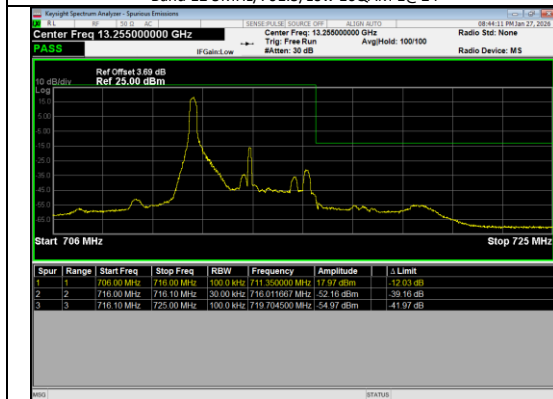
Band 12 5MHz/701.5/Low QPSK 25@0



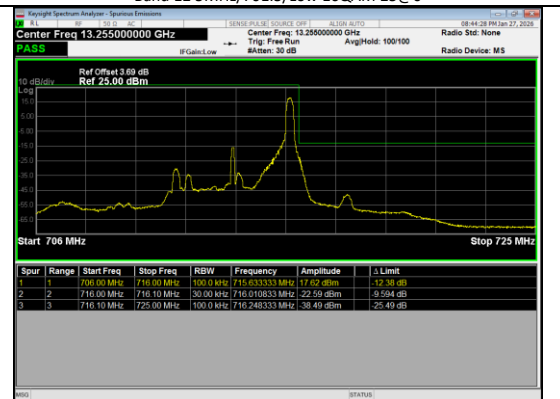
Band 12 5MHz/701.5/Low 16QAM 1@0



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

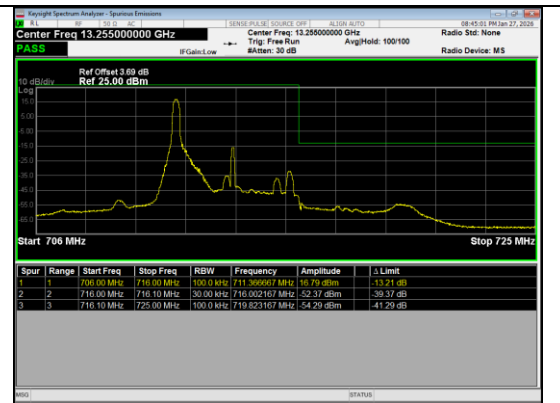
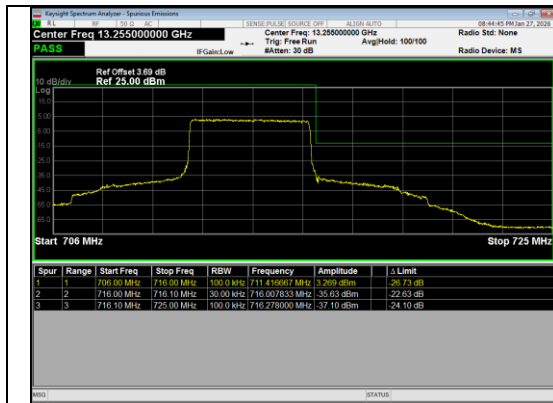


Band 12 5MHz/701.5/Low 16QAM 25@0



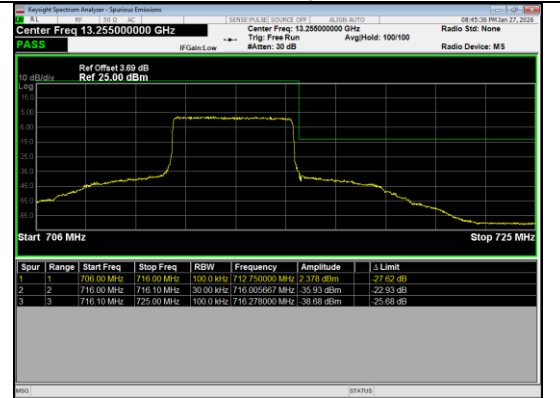
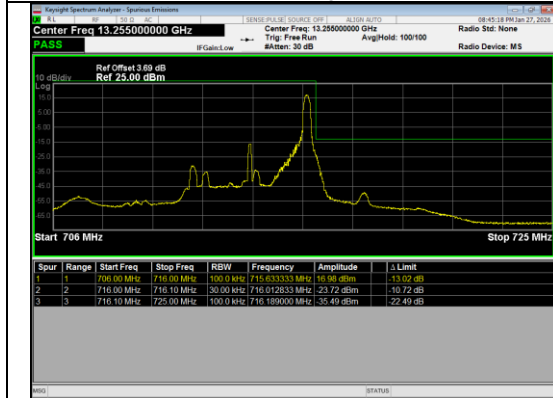
Band 12 5MHz/713.5/High QPSK 1@0

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



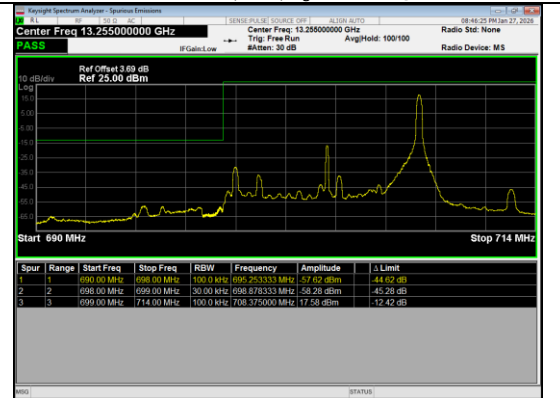
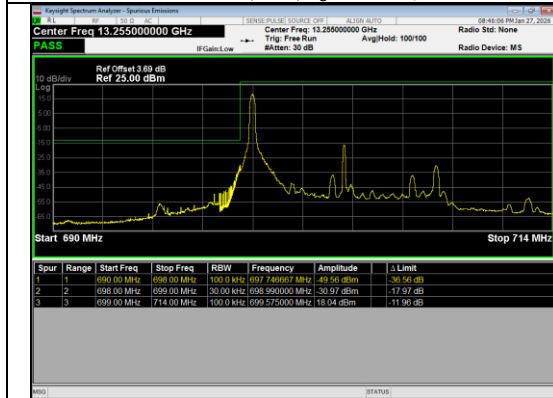
Band 12 5MHz/713.5/High QPSK 25@0

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



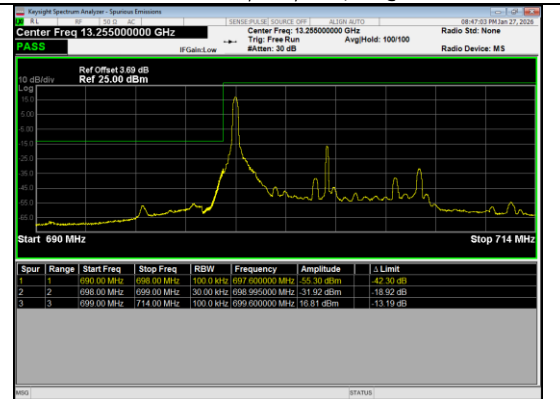
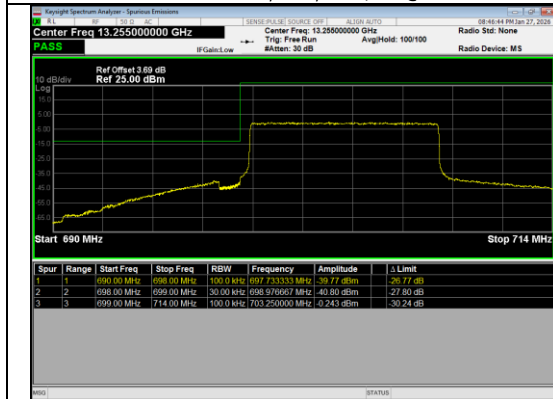
Band 12 5MHz/713.5/High 16QAM 1@24

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



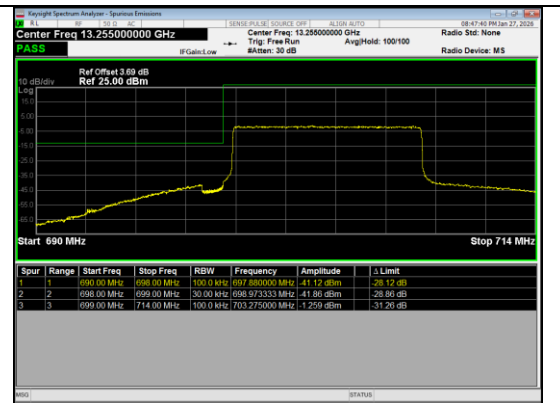
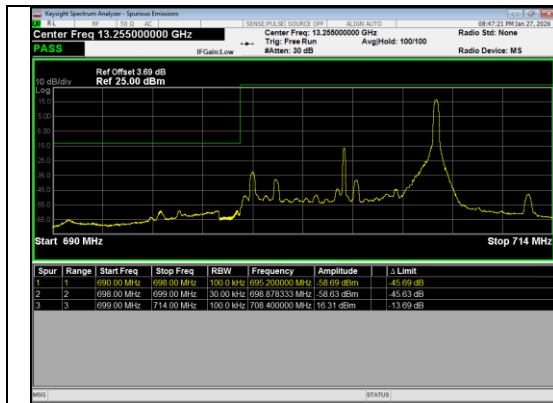
Band 12 10MHz/704.0/Low QPSK 1@0

Band 12 10MHz/704.0/Low QPSK 1@49



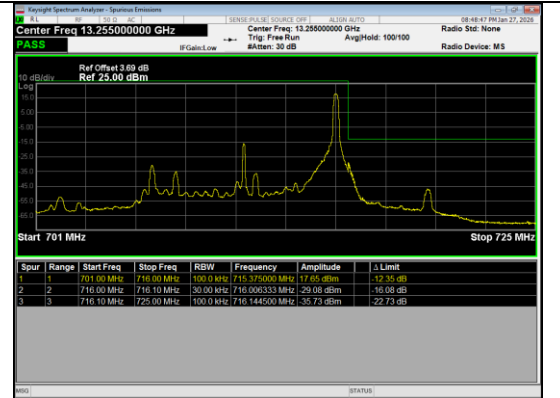
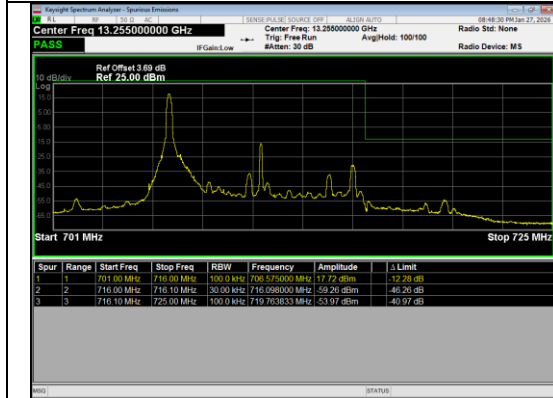
Band 12 10MHz/704.0/Low QPSK 50@0

Band 12 10MHz/704.0/Low 16QAM 1@0



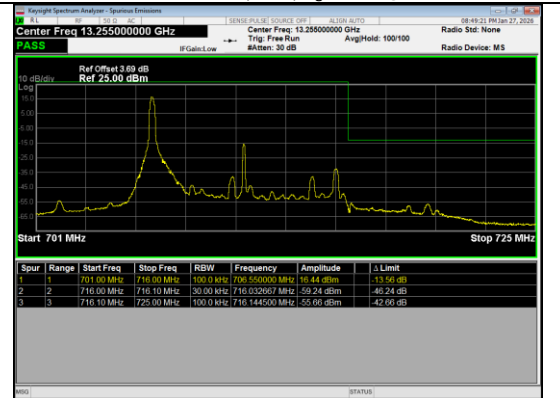
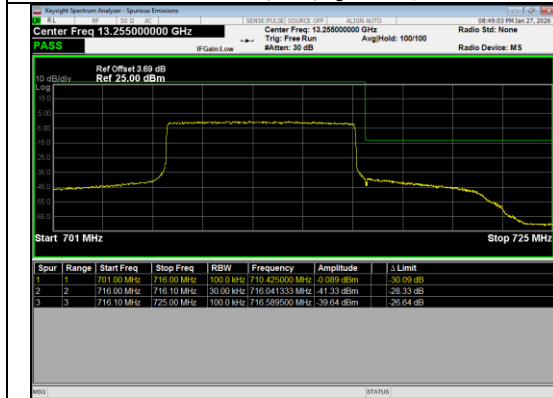
Band 12 10MHz/704.0/Low 16QAM 1@49

Band 12 10MHz/704.0/Low 16QAM 50@0



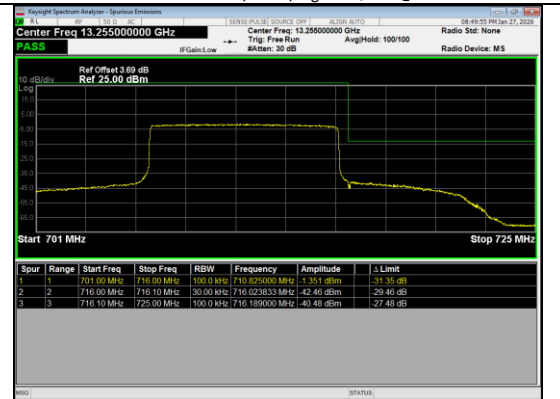
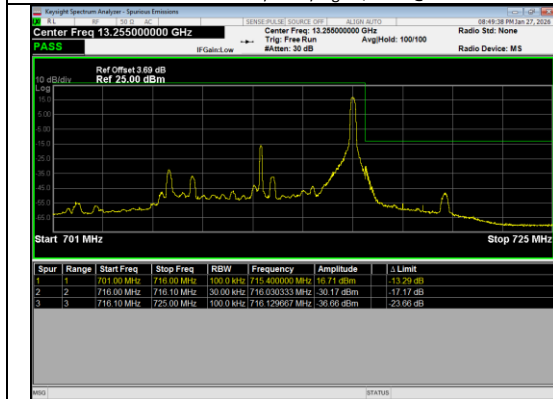
Band 12 10MHz/711.0/High QPSK 1@0

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	-1.79	-0.00254	±2.5	PASS	TN/VN
12	10.0	23060	704.0	16QAM	50@0	-0.47	-0.00067	±2.5	PASS	TN/VN
12	10.0	23095	707.5	QPSK	50@0	-2.09	-0.00295	±2.5	PASS	TN/VN
12	10.0	23095	707.5	16QAM	50@0	-1.42	-0.002	±2.5	PASS	TN/VN
12	10.0	23130	711.0	QPSK	50@0	-0.37	-0.00052	±2.5	PASS	TN/VN
12	10.0	23130	711.0	16QAM	50@0	1.92	0.0027	±2.5	PASS	TN/VN
12	10.0	23060	704.0	QPSK	50@0	-1.63	-0.00232	±2.5	PASS	TN/VL
12	10.0	23060	704.0	16QAM	50@0	-1.34	-0.00190	±2.5	PASS	TN/VL
12	10.0	23095	707.5	QPSK	50@0	-2.69	-0.00380	±2.5	PASS	TN/VL
12	10.0	23095	707.5	16QAM	50@0	-2.66	-0.00376	±2.5	PASS	TN/VL
12	10.0	23130	711.0	QPSK	50@0	1.37	0.00193	±2.5	PASS	TN/VL
12	10.0	23130	711.0	16QAM	50@0	0.93	0.00131	±2.5	PASS	TN/VL
12	10.0	23060	704.0	QPSK	50@0	3.51	0.00499	±2.5	PASS	TN/VH
12	10.0	23060	704.0	16QAM	50@0	2.42	0.00344	±2.5	PASS	TN/VH
12	10.0	23095	707.5	QPSK	50@0	-2.65	-0.00375	±2.5	PASS	TN/VH
12	10.0	23095	707.5	16QAM	50@0	-2.42	-0.00342	±2.5	PASS	TN/VH
12	10.0	23130	711.0	QPSK	50@0	1.33	0.00187	±2.5	PASS	TN/VH
12	10.0	23130	711.0	16QAM	50@0	-1.91	-0.00269	±2.5	PASS	TN/VH
12	10.0	23060	704.0	QPSK	50@0	-4.66	-0.00662	±2.5	PASS	-30°C/VN
12	10.0	23060	704.0	16QAM	50@0	3.41	0.00484	±2.5	PASS	-30°C/VN
12	10.0	23095	707.5	QPSK	50@0	-2.59	-0.00366	±2.5	PASS	-30°C/VN
12	10.0	23095	707.5	16QAM	50@0	-2.39	-0.00338	±2.5	PASS	-30°C/VN
12	10.0	23130	711.0	QPSK	50@0	-3.34	-0.00470	±2.5	PASS	-30°C/VN
12	10.0	23130	711.0	16QAM	50@0	3.12	0.00439	±2.5	PASS	-20°C/VN
12	10.0	23060	704.0	QPSK	50@0	-3.11	-0.00442	±2.5	PASS	-20°C/VN
12	10.0	23060	704.0	16QAM	50@0	-2.43	-0.00345	±2.5	PASS	-20°C/VN
12	10.0	23095	707.5	QPSK	50@0	2.14	0.00302	±2.5	PASS	-20°C/VN
12	10.0	23095	707.5	16QAM	50@0	2.42	0.00342	±2.5	PASS	-20°C/VN
12	10.0	23130	711.0	QPSK	50@0	-3.31	-0.00466	±2.5	PASS	-20°C/VN
12	10.0	23130	711.0	16QAM	50@0	2.18	0.00307	±2.5	PASS	-20°C/VN
12	10.0	23060	704.0	QPSK	50@0	-1.54	-0.00219	±2.5	PASS	-10°C/VN
12	10.0	23060	704.0	16QAM	50@0	-1.45	-0.00206	±2.5	PASS	-10°C/VN
12	10.0	23095	707.5	QPSK	50@0	-2.32	-0.00328	±2.5	PASS	-10°C/VN
12	10.0	23095	707.5	16QAM	50@0	-1.65	-0.00233	±2.5	PASS	-10°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.89	-0.00406	±2.5	PASS	-10°C/VN
12	10.0	23130	711.0	16QAM	50@0	2.93	0.00412	±2.5	PASS	-10°C/VN
12	10.0	23060	704.0	QPSK	50@0	1.73	0.00246	±2.5	PASS	0°C/VN
12	10.0	23060	704.0	16QAM	50@0	-2.45	-0.00348	±2.5	PASS	0°C/VN
12	10.0	23095	707.5	QPSK	50@0	-2.78	-0.00393	±2.5	PASS	0°C/VN
12	10.0	23095	707.5	16QAM	50@0	-1.65	-0.00233	±2.5	PASS	0°C/VN
12	10.0	23130	711.0	QPSK	50@0	-4.31	-0.00606	±2.5	PASS	0°C/VN
12	10.0	23130	711.0	16QAM	50@0	2.99	0.00421	±2.5	PASS	0°C/VN
12	10.0	23060	704.0	QPSK	50@0	-2.89	-0.00411	±2.5	PASS	10°C/VN

12	10.0	23060	704.0	16QAM	50@0	-3.45	-0.00490	±2.5	PASS	10°C/VN
12	10.0	23095	707.5	QPSK	50@0	-4.12	-0.00582	±2.5	PASS	10°C/VN
12	10.0	23095	707.5	16QAM	50@0	-3.48	-0.00492	±2.5	PASS	10°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.31	-0.00325	±2.5	PASS	10°C/VN
12	10.0	23130	711.0	16QAM	50@0	-1.65	-0.00232	±2.5	PASS	10°C/VN
12	10.0	23060	704.0	QPSK	50@0	2.78	0.00395	±2.5	PASS	20°C/VN
12	10.0	23060	704.0	16QAM	50@0	2.54	0.00361	±2.5	PASS	20°C/VN
12	10.0	23095	707.5	QPSK	50@0	3.01	0.00425	±2.5	PASS	20°C/VN
12	10.0	23095	707.5	16QAM	50@0	3.42	0.00483	±2.5	PASS	20°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.34	-0.00329	±2.5	PASS	20°C/VN
12	10.0	23130	711.0	16QAM	50@0	-3.97	-0.00558	±2.5	PASS	20°C/VN
12	10.0	23060	704.0	QPSK	50@0	-2.77	-0.00393	±2.5	PASS	30°C/VN
12	10.0	23060	704.0	16QAM	50@0	3.45	0.00490	±2.5	PASS	30°C/VN
12	10.0	23095	707.5	QPSK	50@0	2.01	0.00284	±2.5	PASS	30°C/VN
12	10.0	23095	707.5	16QAM	50@0	-3.46	-0.00489	±2.5	PASS	30°C/VN
12	10.0	23130	711.0	QPSK	50@0	-3.37	-0.00474	±2.5	PASS	30°C/VN
12	10.0	23130	711.0	16QAM	50@0	-2.83	-0.00398	±2.5	PASS	30°C/VN
12	10.0	23060	704.0	QPSK	50@0	-3.72	-0.00528	±2.5	PASS	40°C/VN
12	10.0	23060	704.0	16QAM	50@0	4.43	0.00629	±2.5	PASS	40°C/VN
12	10.0	23095	707.5	QPSK	50@0	3.43	0.00485	±2.5	PASS	40°C/VN
12	10.0	23095	707.5	16QAM	50@0	-1.52	-0.00215	±2.5	PASS	40°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.46	-0.00346	±2.5	PASS	40°C/VN
12	10.0	23130	711.0	16QAM	50@0	1.89	0.00266	±2.5	PASS	40°C/VN
12	10.0	23060	704.0	QPSK	50@0	2.74	0.00389	±2.5	PASS	50°C/VN
12	10.0	23060	704.0	16QAM	50@0	-3.46	-0.00491	±2.5	PASS	50°C/VN
12	10.0	23095	707.5	QPSK	50@0	3.15	0.00445	±2.5	PASS	50°C/VN
12	10.0	23095	707.5	16QAM	50@0	-2.43	-0.00343	±2.5	PASS	50°C/VN
12	10.0	23130	711.0	QPSK	50@0	-2.37	-0.00333	±2.5	PASS	50°C/VN
12	10.0	23130	711.0	16QAM	50@0	-3.42	-0.00481	±2.5	PASS	50°C/VN