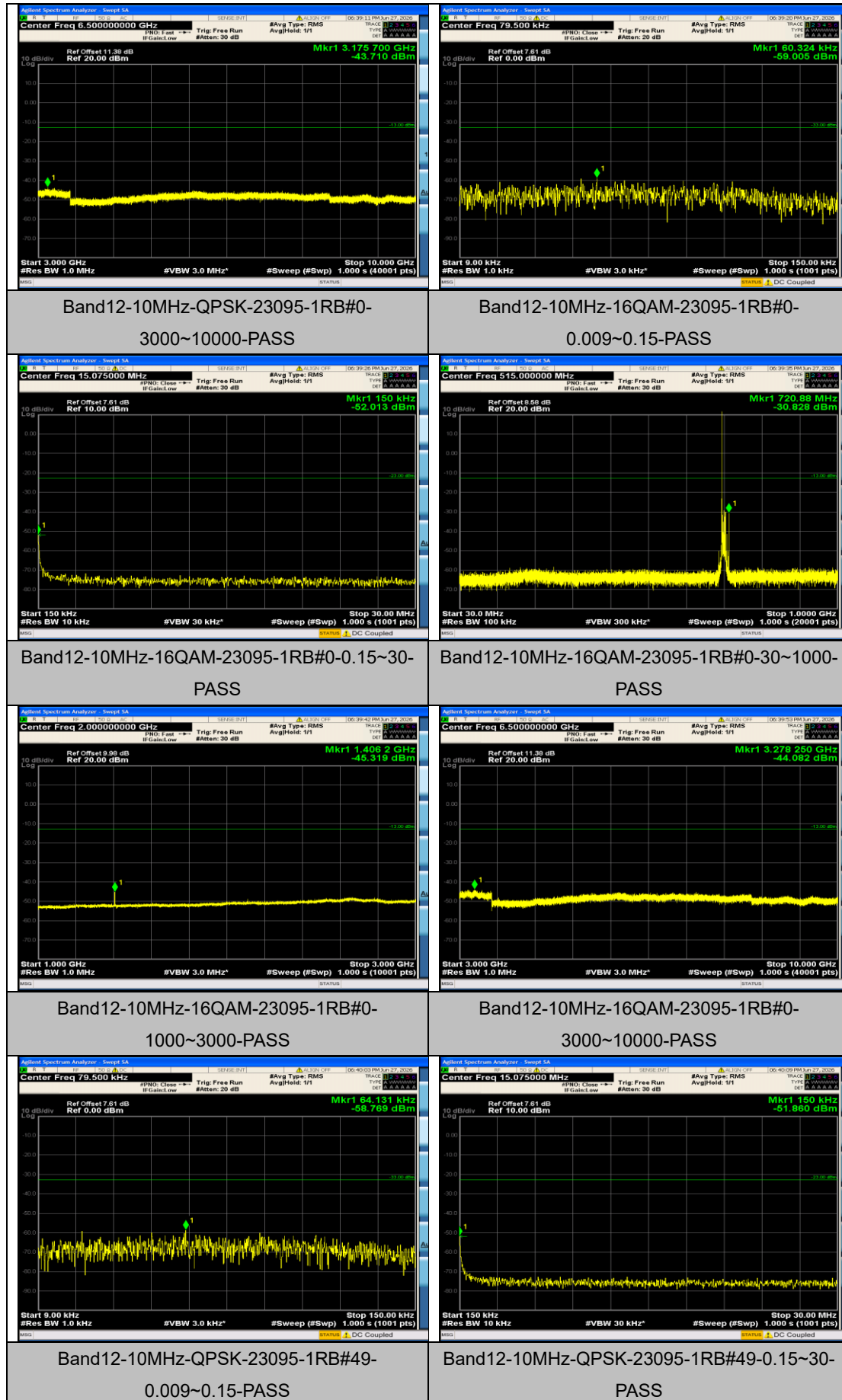
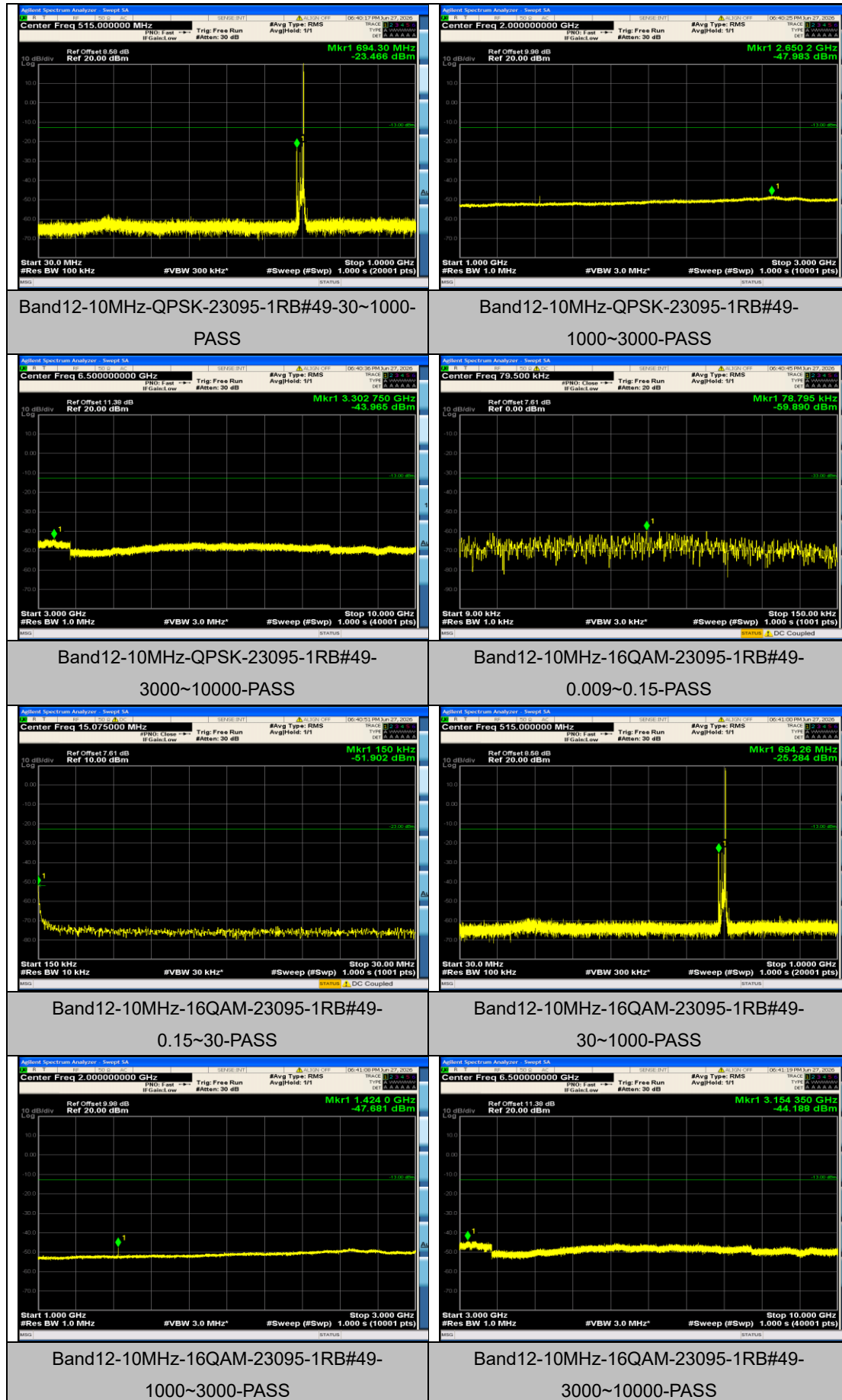
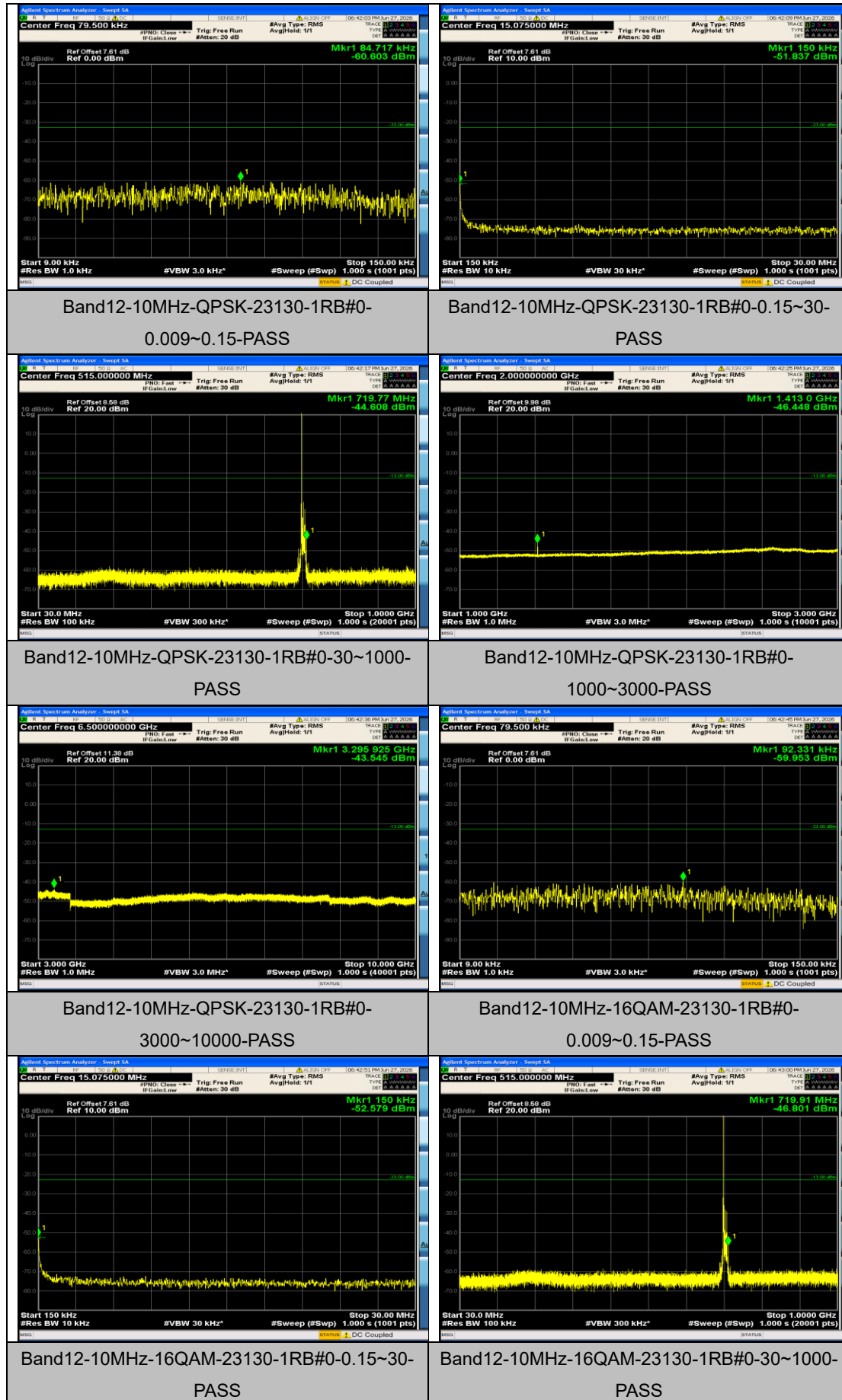
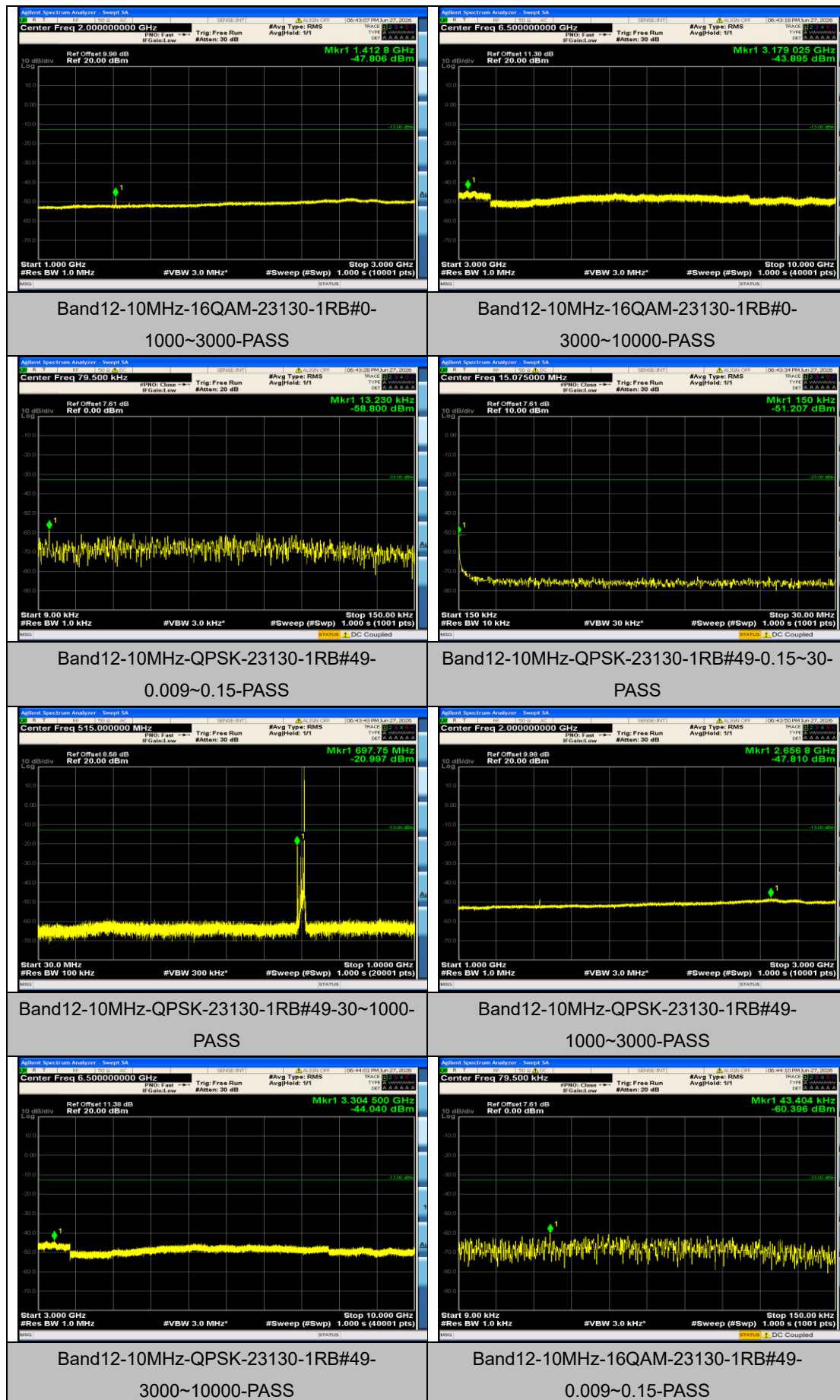
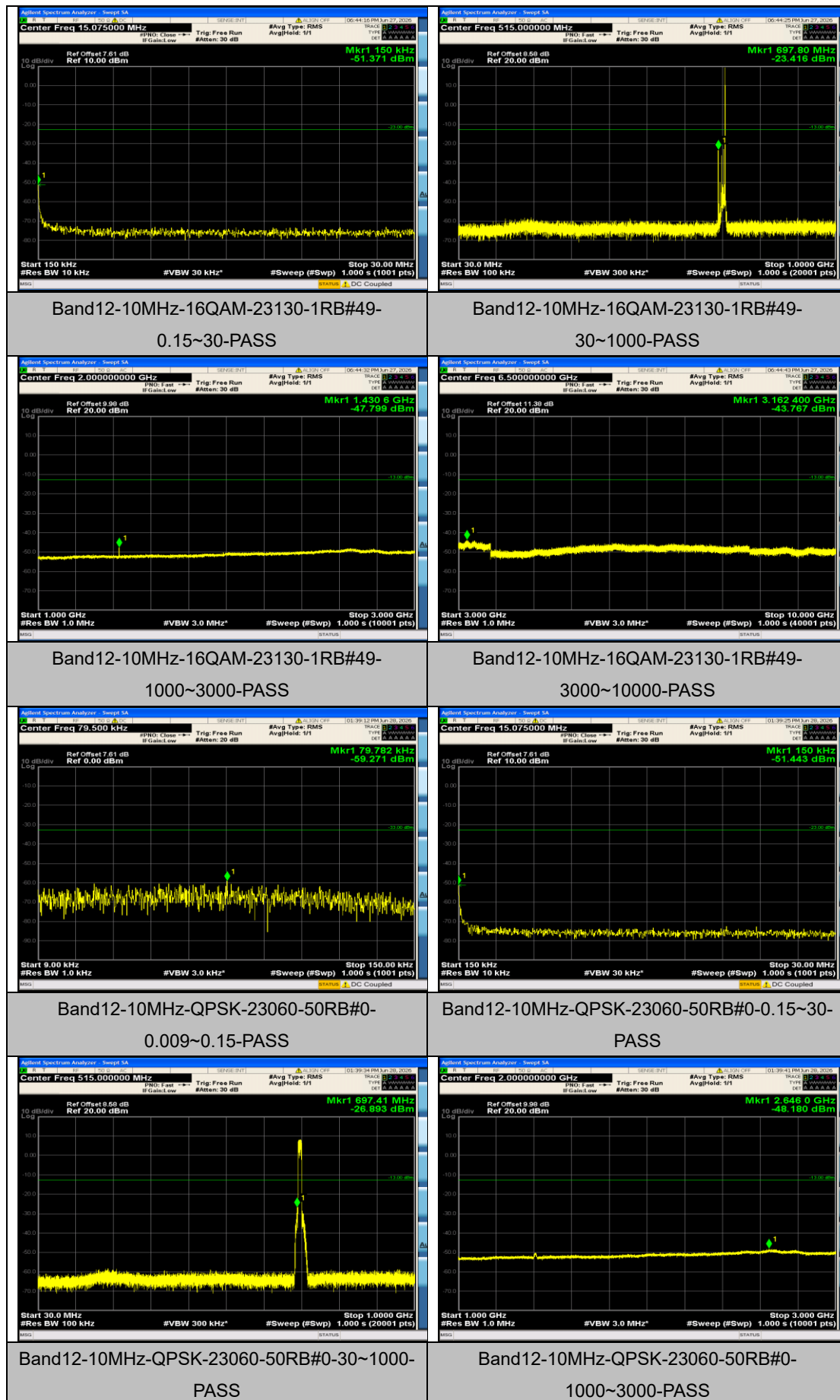


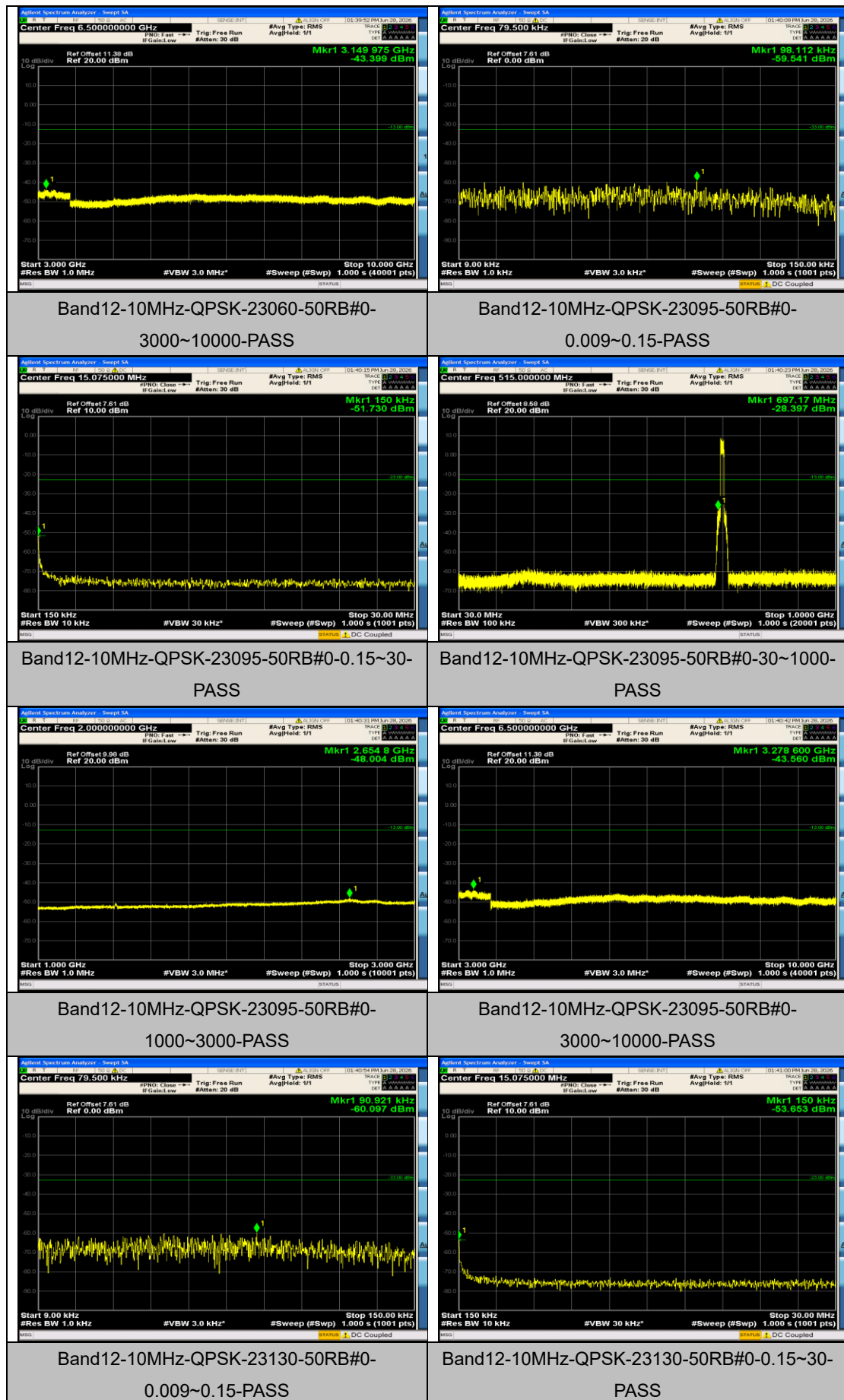


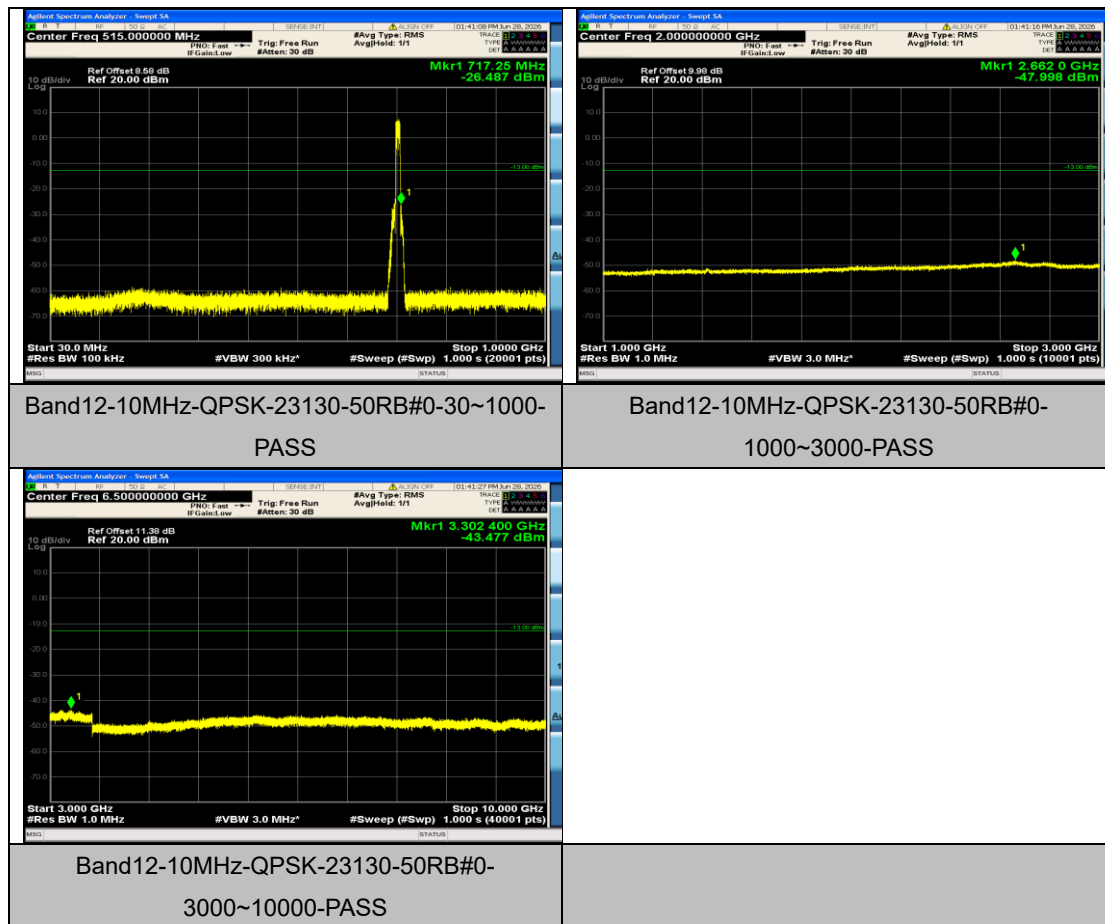












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	Temperature						
				RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	27.55	0.039374	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	14.45	0.020652	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	13.76	0.019666	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	22.83	0.032628	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	11.80	0.016864	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	13.58	0.019408	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	3.66	0.005231	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-18.65	-0.026654	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-13.88	-0.019837	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-25.59	-0.036573	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-12.73	-0.018194	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-15.34	-0.021924	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-8.51	-0.012162	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-15.21	-0.021738	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-12.56	-0.017951	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-16.54	-0.023639	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-29.27	-0.041832	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-11.49	-0.016421	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	27.08	0.038276	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	30.51	0.043124	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	14.43	0.020396	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	30.07	0.042502	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	17.91	0.025314	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	18.32	0.025894	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	7.27	0.010276	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	15.35	0.021696	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	15.88	0.022445	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-24.20	-0.034205	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-23.85	-0.033710	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-24.75	-0.034982	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-6.18	-0.008735	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-4.41	-0.006233	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-30.01	-0.042417	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-20.23	-0.028594	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-8.61	-0.012170	±2.5	PASS

Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-12.07	-0.017060	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	21.50	0.030057	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	19.01	0.026576	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	16.71	0.023361	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	28.62	0.040011	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	26.89	0.037593	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	18.48	0.025835	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	19.58	0.027373	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	18.08	0.025276	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	12.17	0.017014	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-11.79	-0.016483	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-22.99	-0.032140	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-6.98	-0.009758	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-24.95	-0.034880	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-9.60	-0.013421	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-8.28	-0.011576	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	-14.76	-0.020635	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	-19.43	-0.027163	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	-16.55	-0.023137	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	28.61	0.040842	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	28.98	0.041370	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	25.11	0.035846	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	25.62	0.036574	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	7.71	0.011006	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	26.97	0.038501	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	28.75	0.041042	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	11.86	0.016931	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	12.29	0.017545	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-15.49	-0.022113	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-26.24	-0.037459	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	-29.84	-0.042598	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-24.95	-0.035617	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-20.10	-0.028694	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-10.31	-0.014718	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-24.00	-0.034261	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-13.96	-0.019929	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-20.63	-0.029450	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	30.74	0.043449	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	18.37	0.025965	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	25.03	0.035378	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	29.08	0.041102	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	10	21.50	0.030389	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	12.19	0.017230	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	15.19	0.021470	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	9.80	0.013852	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	4.59	0.006488	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-23.60	-0.033357	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-14.41	-0.020367	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-20.70	-0.029258	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-10.54	-0.014898	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-24.68	-0.034883	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-18.91	-0.026728	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-6.48	-0.009159	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-8.77	-0.012396	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-15.15	-0.021413	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	29.94	0.041903	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	28.68	0.040140	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	27.87	0.039006	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	16.84	0.023569	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	25.81	0.036123	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	16.74	0.023429	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	15.49	0.021679	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	20.67	0.028929	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	15.49	0.021679	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	11.84	0.016571	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	27.54	0.038544	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	-12.97	-0.018153	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	-10.34	-0.014472	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-14.00	-0.019594	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-16.49	-0.023079	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	-2.82	-0.003947	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	-23.39	-0.032736	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	-5.76	-0.008062	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	28.64	0.040827	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	30.10	0.042908	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	24.86	0.035438	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	30.51	0.043493	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	30.38	0.043307	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	30.34	0.043250	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	23.19	0.033058	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	18.78	0.026771	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	25.89	0.036907	±2.5	PASS

Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-21.86	-0.031162	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-7.48	-0.010663	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-18.70	-0.026657	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-21.94	-0.031276	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-27.29	-0.038902	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	7.78	0.011091	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	-9.63	-0.013728	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-18.01	-0.025674	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-18.63	-0.026557	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	29.23	0.041314	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	25.98	0.036721	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	28.72	0.040594	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	28.41	0.040155	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	27.21	0.038459	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	27.69	0.039138	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	28.32	0.040028	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	28.44	0.040198	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	30.21	0.042700	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-28.67	-0.040523	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	2.60	0.003675	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	-22.66	-0.032028	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-2.13	-0.003011	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-6.25	-0.008834	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-9.53	-0.013470	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-7.34	-0.010375	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-3.22	-0.004551	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	4.61	0.006516	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	28.74	0.040280	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	27.84	0.039019	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	29.43	0.041247	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	14.72	0.020631	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	27.22	0.038150	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	25.89	0.036286	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	26.46	0.037085	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	15.25	0.021374	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	28.18	0.039495	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-10.06	-0.014100	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-28.68	-0.040196	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-30.26	-0.042411	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-10.97	-0.015375	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-26.15	-0.036650	±2.5	PASS

Band12	5MHz	16QAM	23155	25RB#0	NV	20	-24.29	-0.034043	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	-11.99	-0.016804	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-29.00	-0.040645	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	-13.58	-0.019033	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	29.07	0.041293	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	26.06	0.037017	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	29.13	0.041378	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	28.24	0.040114	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	24.56	0.034886	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	24.46	0.034744	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	25.85	0.036719	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	21.63	0.030724	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	26.31	0.037372	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	23.63	0.033399	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	28.08	0.039689	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	23.93	0.033823	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	27.12	0.038332	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	25.25	0.035689	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	25.26	0.035703	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	28.21	0.039873	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	24.76	0.034996	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	26.95	0.038092	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	29.35	0.041280	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	23.83	0.033516	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	25.69	0.036132	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	26.79	0.037679	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	25.68	0.036118	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	27.47	0.038636	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	25.68	0.036118	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	16.39	0.023052	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	20.61	0.028987	±2.5	PASS