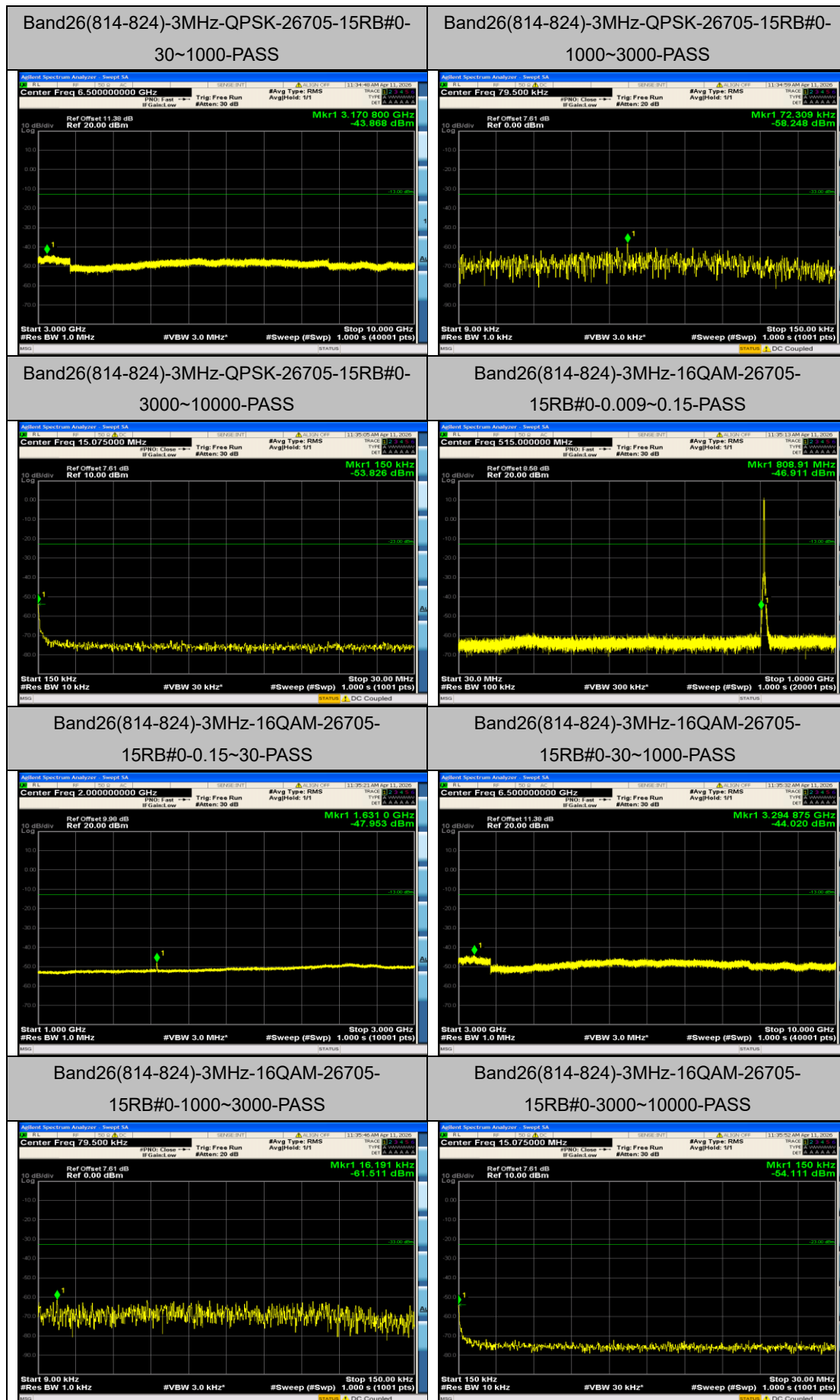
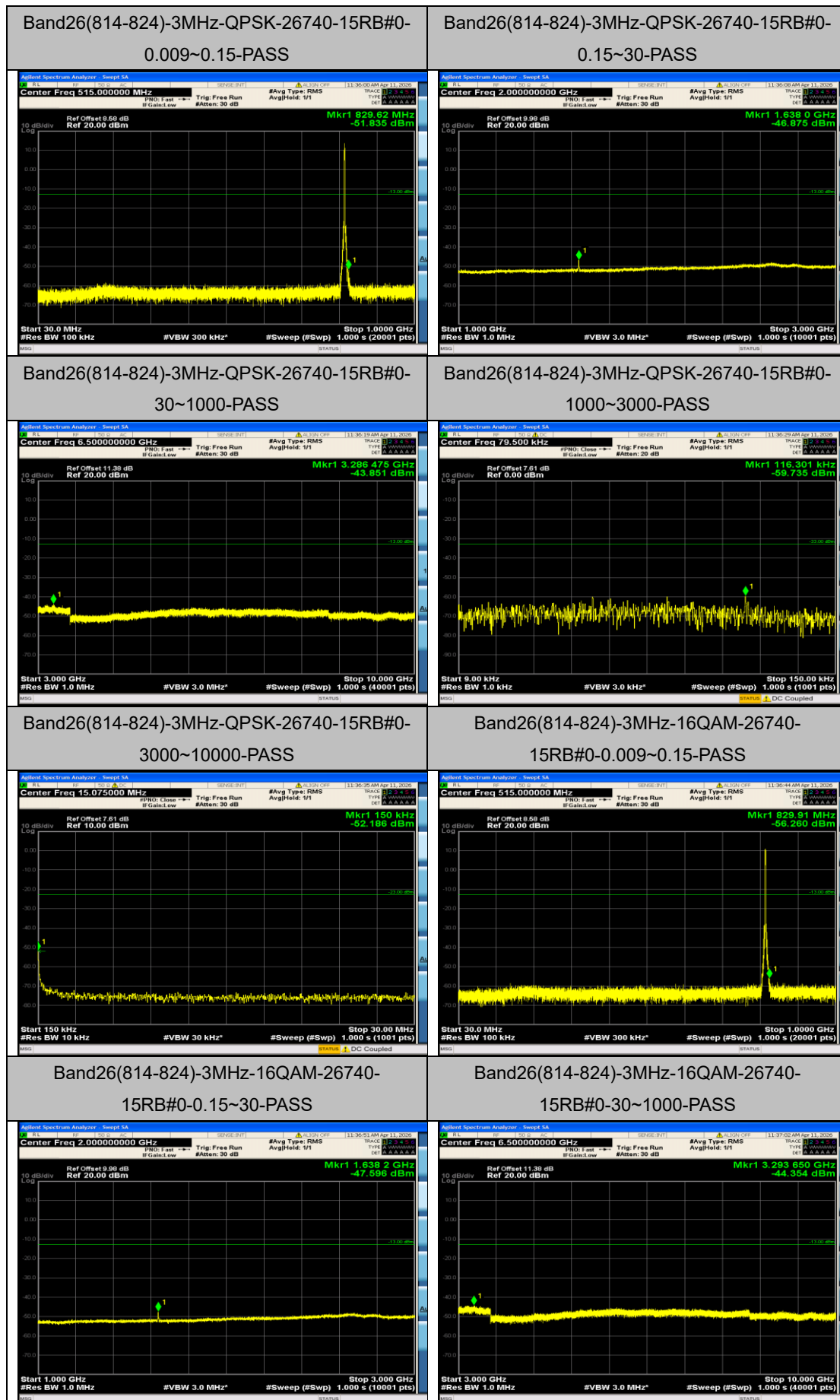
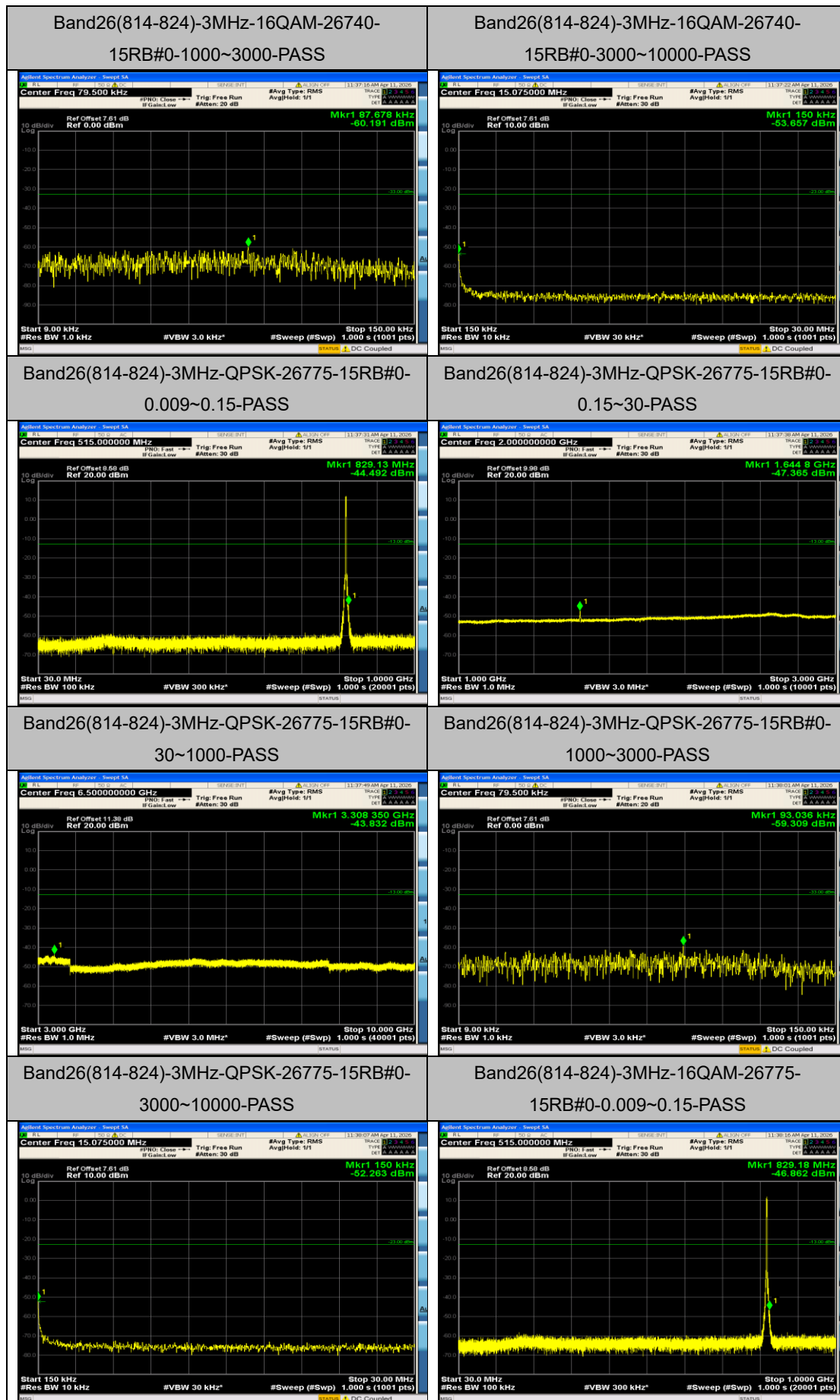
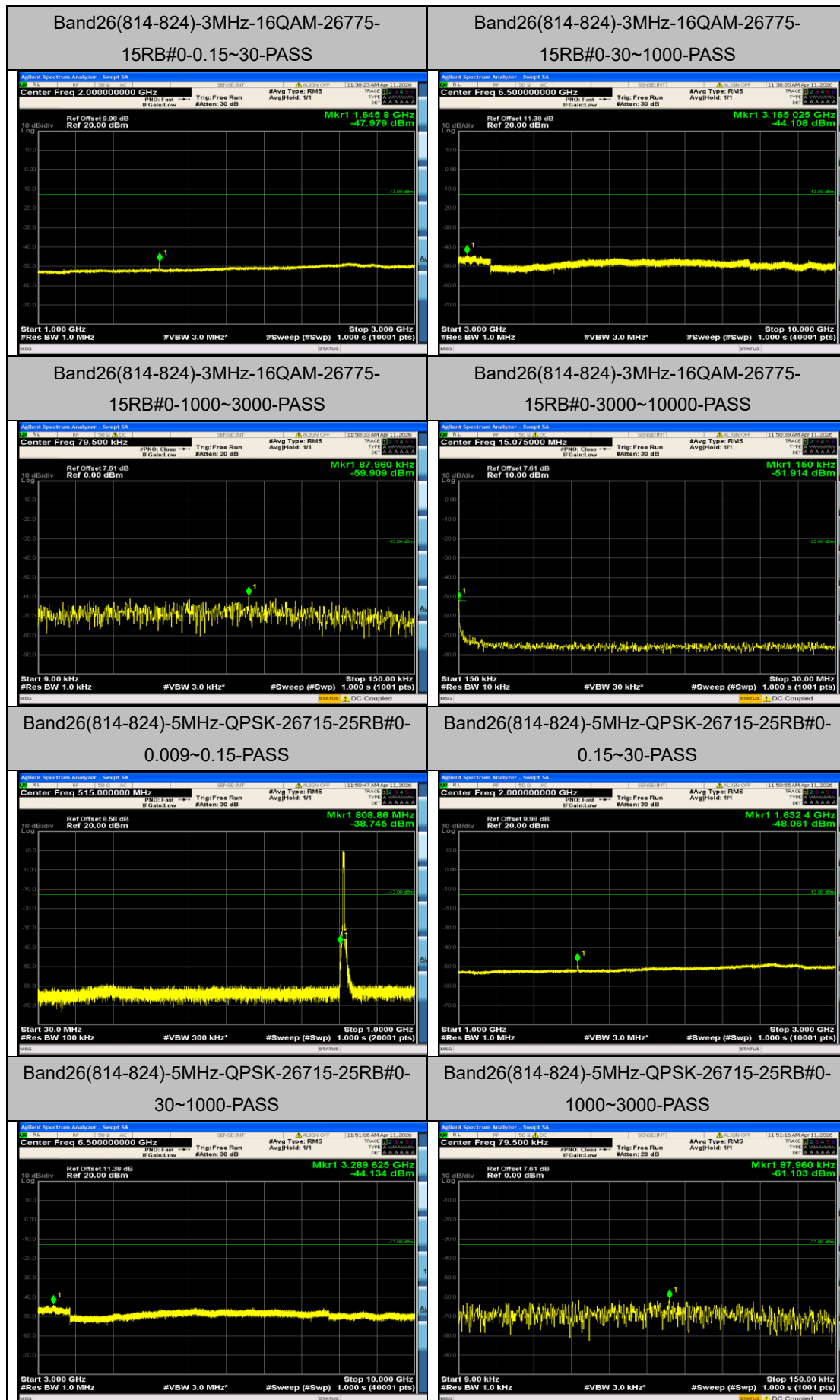
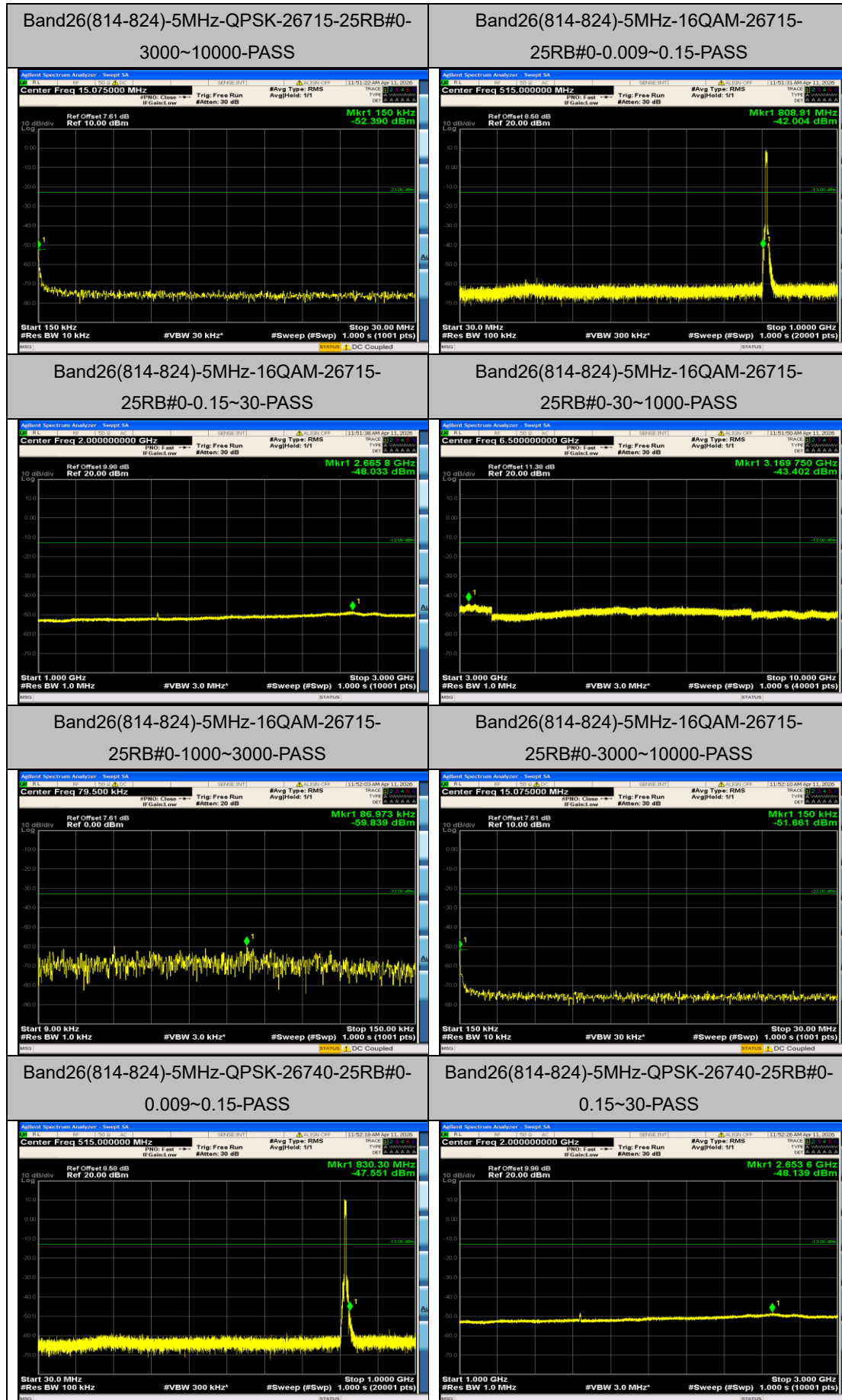


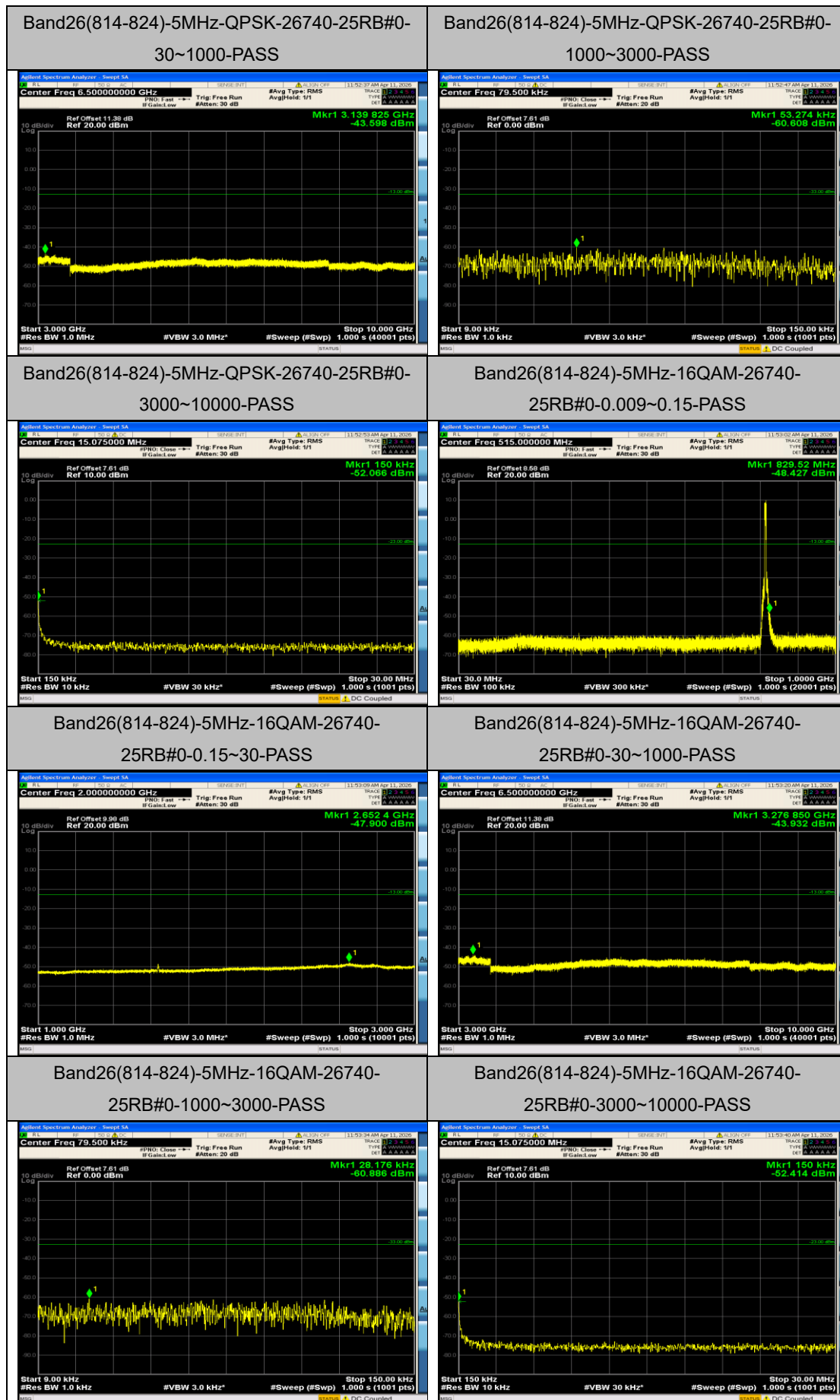


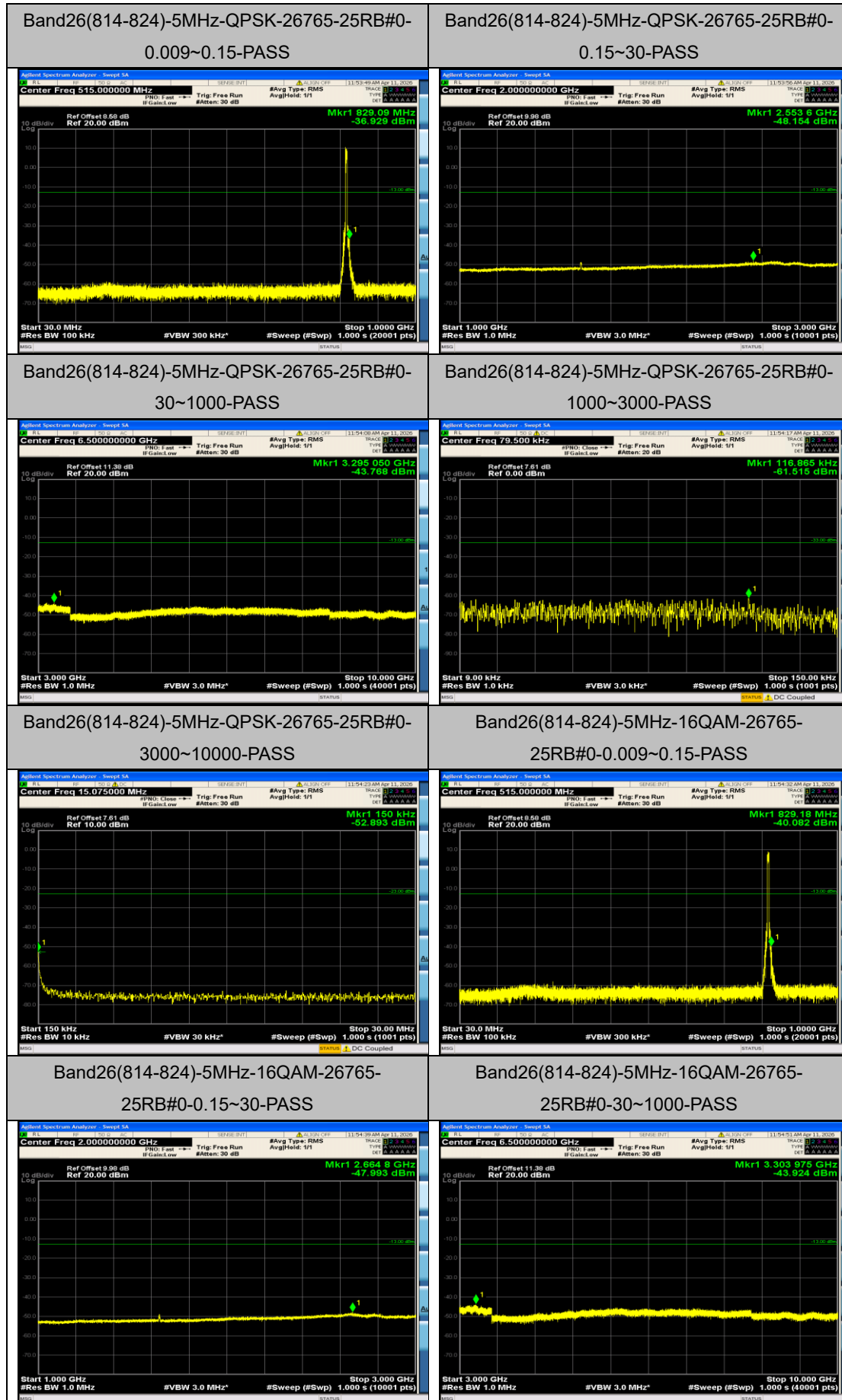


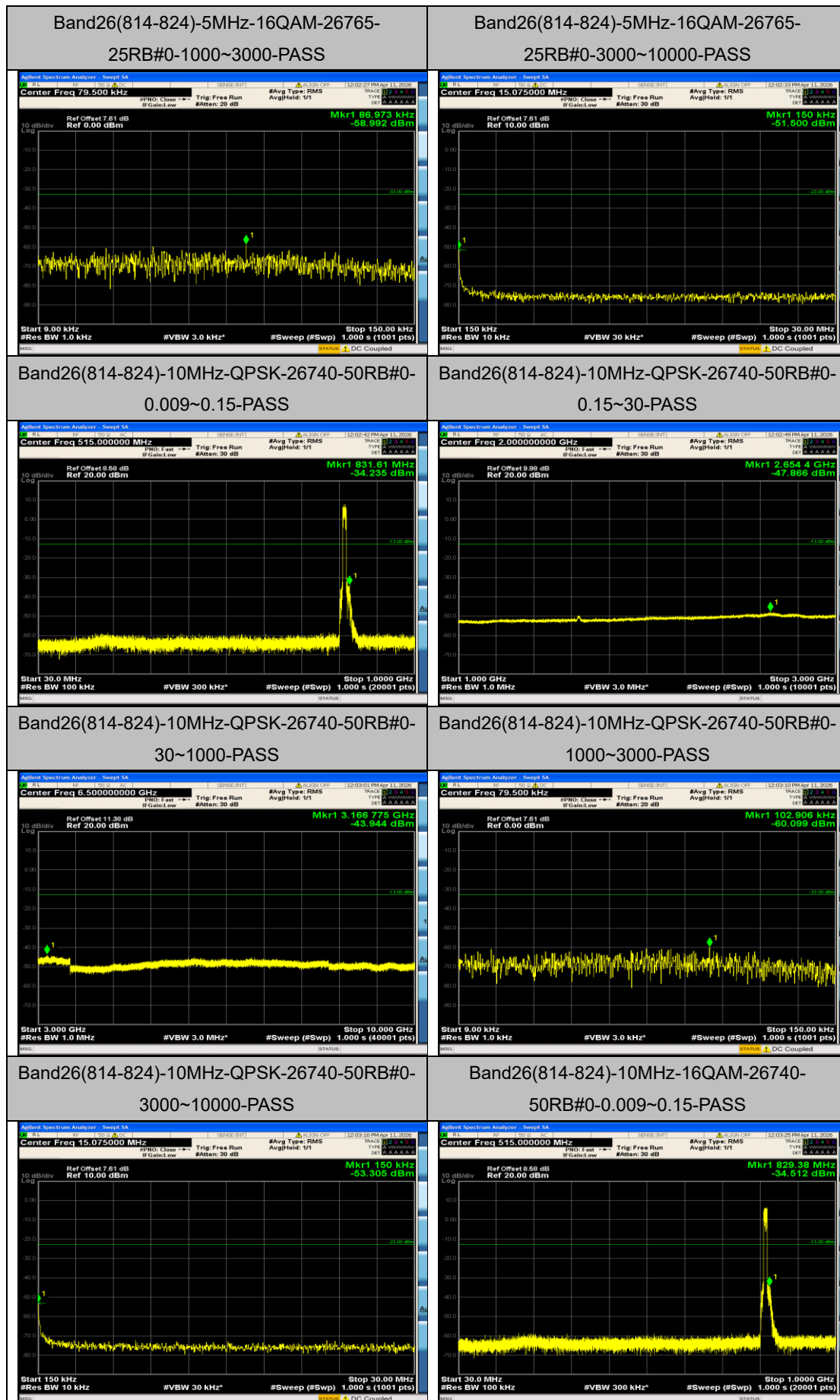


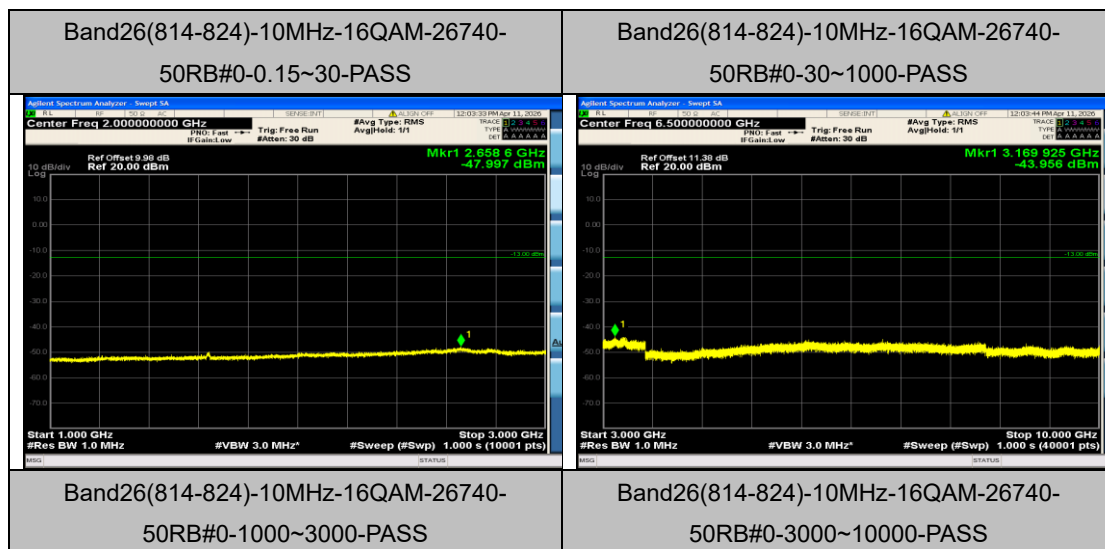












Appendix E: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-30	-4.31	-0.005290	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-20	-4.68	-0.005744	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-10	-3.81	-0.004677	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	0	5.32	0.006530	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	10	-9.17	-0.011256	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	20	-8.27	-0.010151	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	30	-8.47	-0.010396	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	40	-7.88	-0.009672	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	50	1.79	0.002197	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	-30	-4.86	-0.005965	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	-20	-5.65	-0.006935	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	-10	-9.26	-0.011366	±2.5	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	NV	0	-14.38	-0.017651	±2.5	PASS

(814-824)										
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	10	-5.88	-0.007217	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	20	-2.89	-0.003547	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	30	-6.07	-0.007451	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	40	-12.27	-0.015061	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	50	-8.17	-0.010028	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-30	-5.38	-0.006569	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-20	-7.58	-0.009255	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-10	-6.44	-0.007863	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	0	-6.55	-0.007998	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	10	1.95	0.002381	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	20	-7.31	-0.008926	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	30	-9.10	-0.011111	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	40	-9.61	-0.011734	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	50	-4.15	-0.005067	±2.5	PASS

824)										
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-30	-8.87	-0.010830	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-20	-8.58	-0.010476	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-10	-4.28	-0.005226	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	0	-10.06	-0.012283	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	10	-9.00	-0.010989	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	20	-9.41	-0.011490	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	30	-9.46	-0.011551	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	40	-8.00	-0.009768	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	50	-8.74	-0.010672	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	-30	10.80	0.013118	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	-20	-3.38	-0.004105	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	-10	-7.04	-0.008551	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	0	-3.92	-0.004761	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	10	-5.82	-0.007069	±2.5	PASS

Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	20	-5.51	-0.006693	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	30	-8.57	-0.010409	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	40	-8.57	-0.010409	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	50	-2.83	-0.003437	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-30	-8.35	-0.010142	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-20	-9.06	-0.011004	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-10	-7.75	-0.009413	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	0	-12.87	-0.015632	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	10	-13.82	-0.016786	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	20	-9.66	-0.011733	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	30	-6.64	-0.008065	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	40	-6.82	-0.008284	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	50	-6.32	-0.007676	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	-30	-5.04	-0.006180	±2.5	PASS
Band26	3MHz	QPSK	26705	15RB#0	NV	-20	-9.60	-0.011772	±2.5	PASS

(814-824)										
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	-10	-6.79	-0.008326	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	0	-7.90	-0.009687	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	10	-6.62	-0.008118	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	20	-10.54	-0.012925	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	30	-6.15	-0.007541	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	40	-9.53	-0.011686	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	50	-10.66	-0.013072	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	-30	-5.36	-0.006573	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	-20	-7.93	-0.009724	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	-10	-4.51	-0.005530	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	0	-11.07	-0.013574	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	10	-6.84	-0.008387	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	20	-5.56	-0.006818	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	30	-8.77	-0.010754	±2.5	PASS

824)										
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	40	-5.26	-0.006450	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	50	-8.81	-0.010803	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	-30	-7.17	-0.008755	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	-20	-6.01	-0.007338	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	-10	-7.42	-0.009060	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	0	-7.95	-0.009707	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	10	-4.86	-0.005934	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	20	-4.88	-0.005958	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	30	-9.30	-0.011355	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	40	-3.23	-0.003944	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	50	-10.46	-0.012772	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26740	15RB#0	NV	-30	-9.63	-0.011758	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26740	15RB#0	NV	-20	-9.56	-0.011673	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26740	15RB#0	NV	-10	-10.20	-0.012454	±2.5	PASS

Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	0	-9.71	-0.011856	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	10	-10.84	-0.013236	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	20	-7.25	-0.008852	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	30	-11.13	-0.013590	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	40	-7.07	-0.008632	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	50	-10.13	-0.012369	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	-30	-7.77	-0.009447	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	-20	-8.31	-0.010103	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	-10	-8.75	-0.010638	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	0	-11.12	-0.013520	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	10	-9.21	-0.011198	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	20	-10.89	-0.013240	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	30	-5.89	-0.007161	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	40	-10.00	-0.012158	±2.5	PASS
Band26	3MHz	QPSK	26775	15RB#0	NV	50	-10.81	-0.013143	±2.5	PASS

(814-824)										
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-30	-12.95	-0.015745	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-20	-10.24	-0.012450	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-10	-12.76	-0.015514	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	0	-12.03	-0.014626	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	10	-8.90	-0.010821	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	20	-11.13	-0.013532	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	30	-7.98	-0.009702	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	40	-6.09	-0.007404	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	50	-7.67	-0.009325	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-30	-9.21	-0.011280	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-20	-9.43	-0.011549	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-10	-7.61	-0.009320	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	0	-5.02	-0.006148	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	10	-9.91	-0.012137	±2.5	PASS

824)										
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	20	-10.50	-0.012860	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	30	-6.69	-0.008194	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	40	-11.19	-0.013705	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	50	-8.21	-0.010055	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	-30	-7.02	-0.008598	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	-20	-3.55	-0.004348	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	-10	-5.84	-0.007152	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	0	2.36	0.002890	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	10	-2.29	-0.002805	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	20	-1.53	-0.001874	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	30	-4.89	-0.005989	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	40	-1.66	-0.002033	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	50	-2.17	-0.002658	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	-30	-3.72	-0.004542	±2.5	PASS

Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	-20	-6.19	-0.007558	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	-10	-4.79	-0.005849	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	0	-5.76	-0.007033	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	10	-8.55	-0.010440	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	20	-8.83	-0.010781	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	30	-6.55	-0.007998	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	40	-6.47	-0.007900	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	50	-5.42	-0.006618	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-30	-6.29	-0.007680	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-20	-8.50	-0.010379	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-10	-4.12	-0.005031	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	0	-6.45	-0.007875	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	10	-5.24	-0.006398	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	20	-5.65	-0.006899	±2.5	PASS
Band26	5MHz	16QAM	26740	25RB#0	NV	30	-5.01	-0.006117	±2.5	PASS

(814-824)										
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	40	-3.76	-0.004591	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	50	-6.17	-0.007534	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-30	-5.92	-0.007206	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-20	-5.22	-0.006354	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-10	-4.59	-0.005587	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	0	-6.85	-0.008338	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	10	-5.28	-0.006427	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	20	-6.02	-0.007328	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	30	-5.74	-0.006987	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	40	-3.25	-0.003956	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	50	-7.37	-0.008971	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-30	-4.72	-0.005746	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-20	-6.64	-0.008083	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-10	-5.26	-0.006403	±2.5	PASS

824)										
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	0	-4.41	-0.005368	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	10	-6.55	-0.007973	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	20	-5.72	-0.006963	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	30	-5.02	-0.006111	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	40	-10.31	-0.012550	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	50	-9.40	-0.011442	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-30	-8.05	-0.009829	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-20	-7.58	-0.009255	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-10	-8.84	-0.010794	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	0	-8.80	-0.010745	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	10	-5.61	-0.006850	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	20	-9.08	-0.011087	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	30	-9.58	-0.011697	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	40	-10.19	-0.012442	±2.5	PASS

Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	50	-8.33	-0.010171	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	-30	-10.90	-0.013309	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	-20	-9.31	-0.011368	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	-10	-9.90	-0.012088	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	0	-9.97	-0.012173	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	10	-10.24	-0.012503	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	20	-8.20	-0.010012	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	30	-8.93	-0.010904	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	40	-8.55	-0.010440	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	50	-9.30	-0.011355	±2.5	PASS