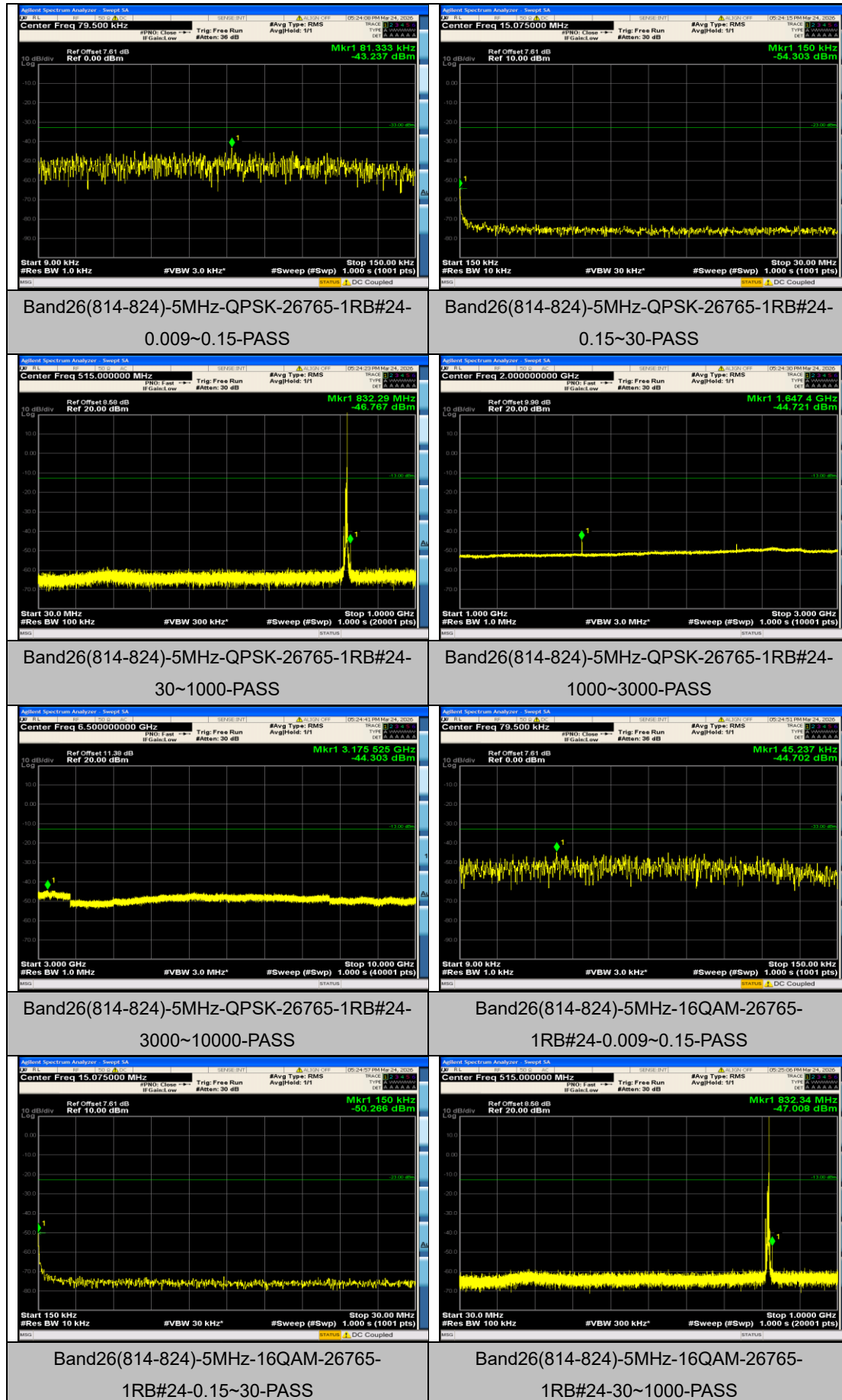
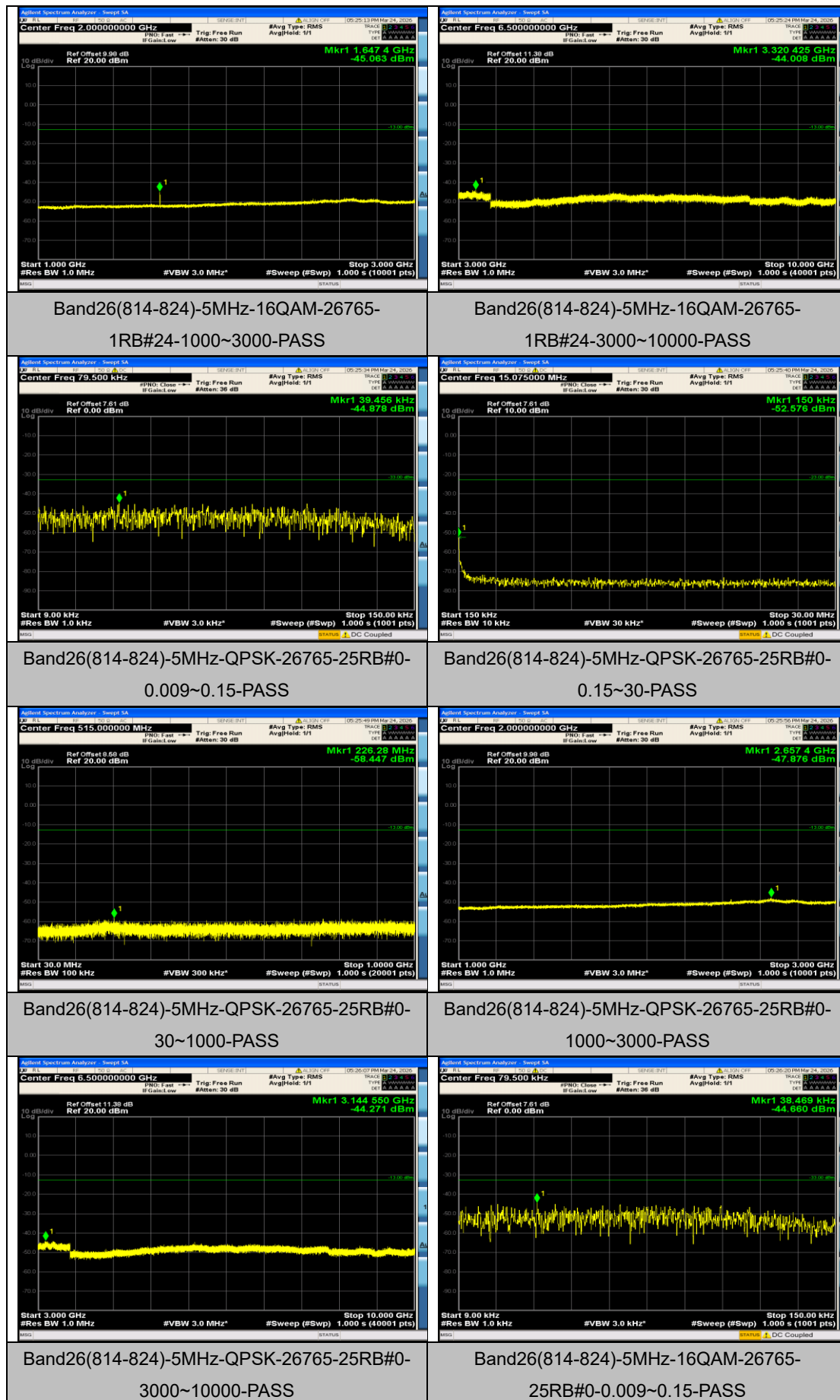
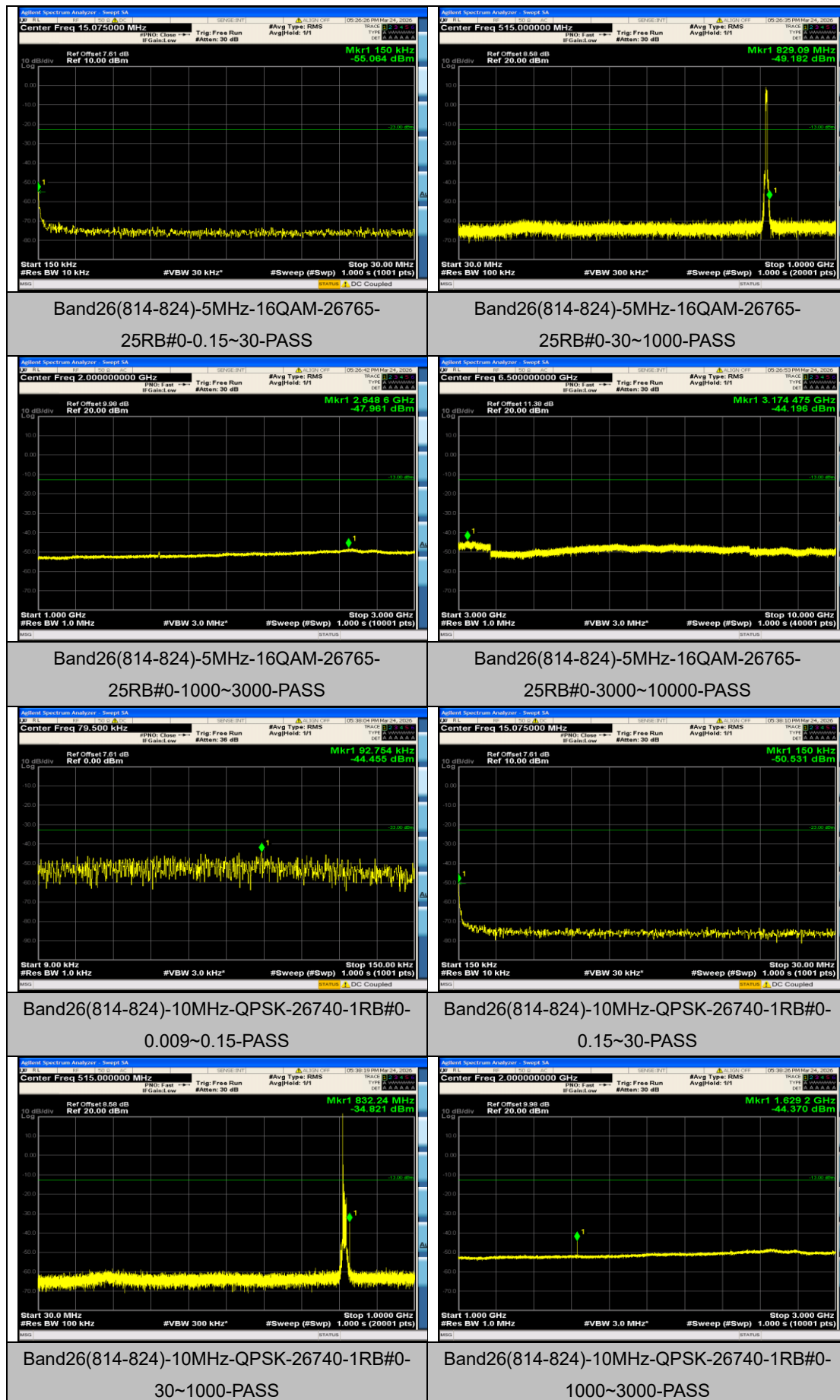
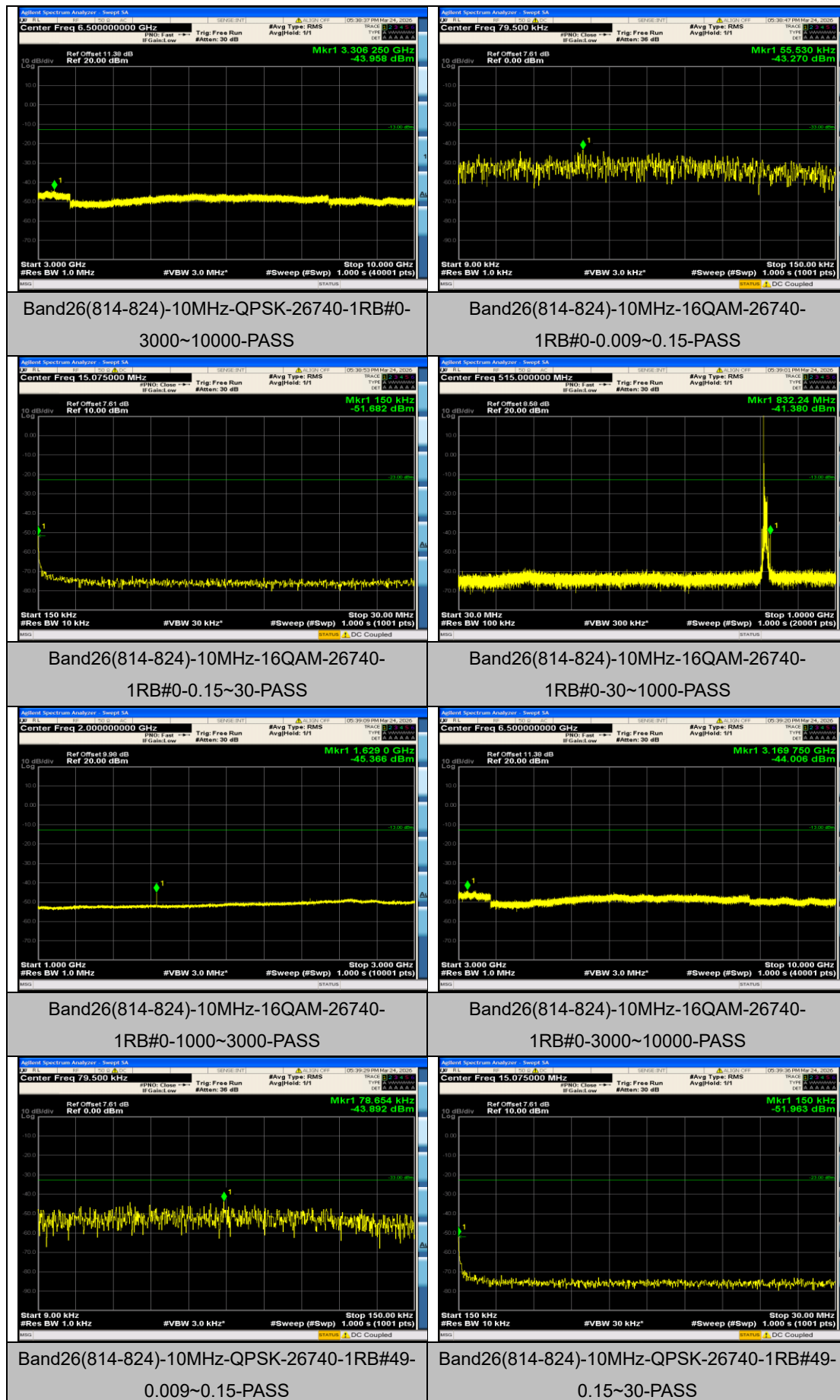
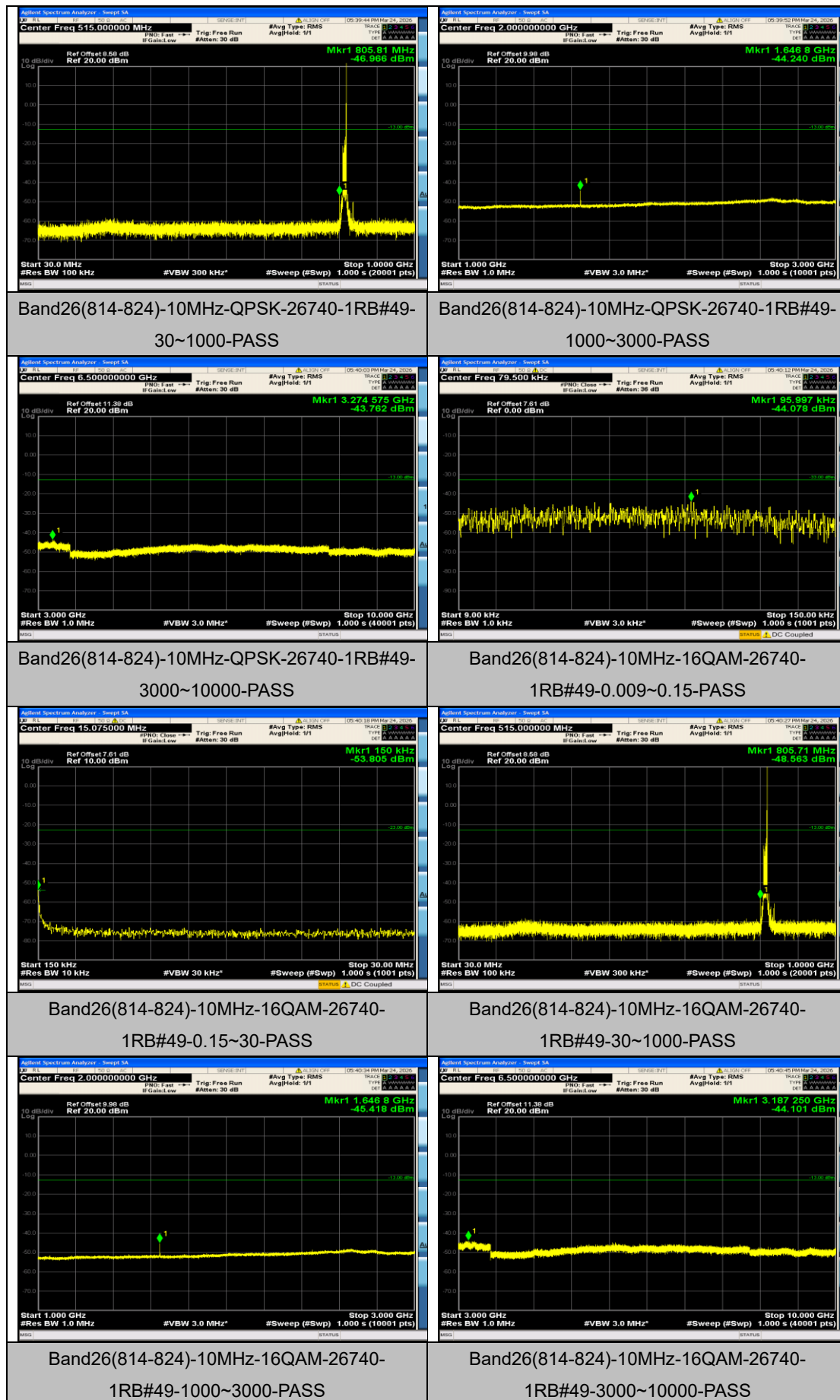


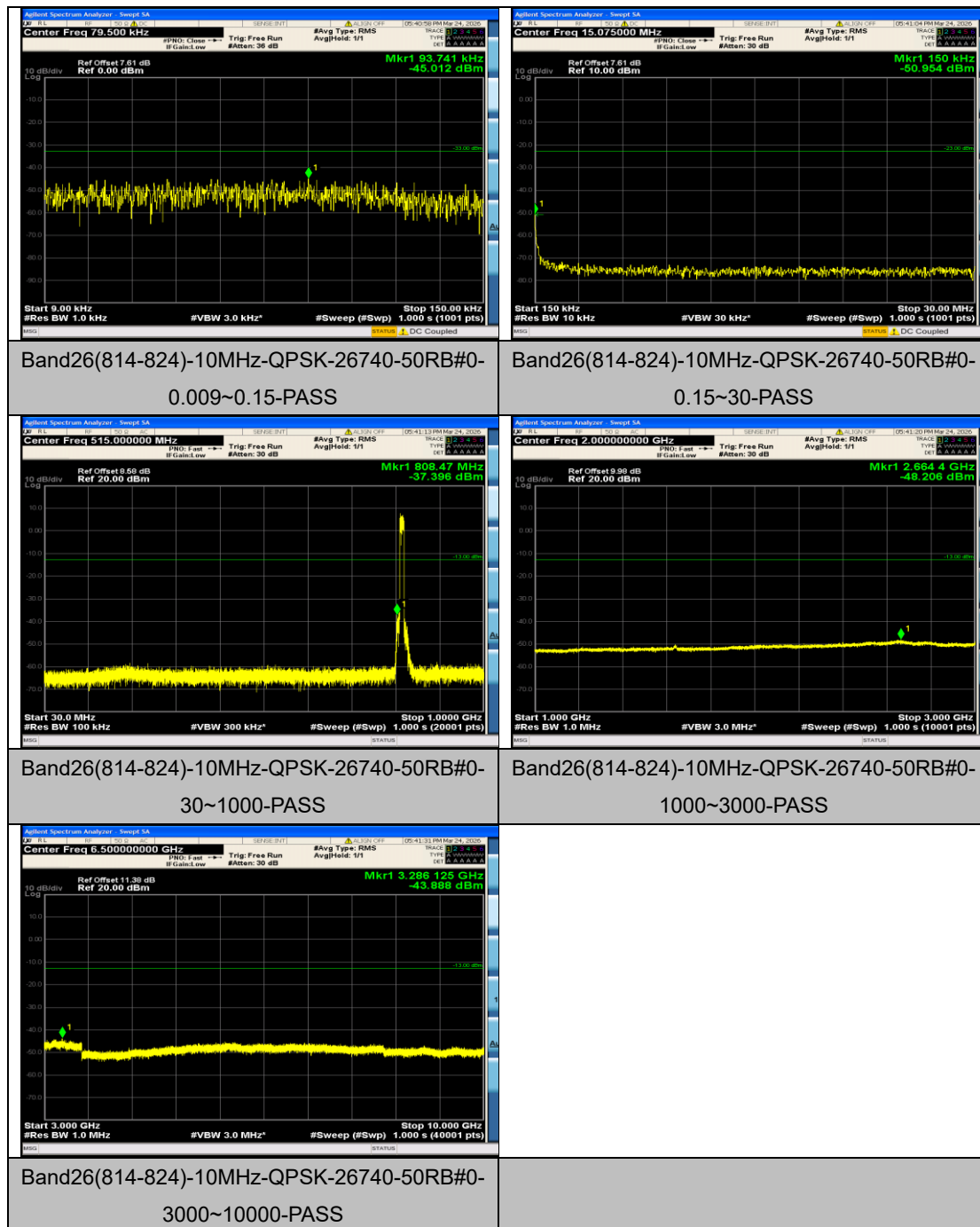












Appendix F: Frequency Stability

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	4.18	0.005131	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-20	3.16	0.003879	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-10	-2.39	-0.002934	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	0	2.57	0.003155	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	10	-2.36	-0.002897	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	20	-2.70	-0.003314	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	30	-2.29	-0.002811	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	40	-3.92	-0.004812	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	50	-2.85	-0.003498	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	-30	-2.69	-0.003302	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	-20	-3.10	-0.003805	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	-10	-2.52	-0.003093	±2.5	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	NV	0	-3.03	-0.003719	±2.5	PASS

(814-824)										
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	10	-2.89	-0.003547	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	20	-3.91	-0.004799	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	30	-3.52	-0.004321	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	40	-3.03	-0.003719	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26697	6RB#0	NV	50	-3.60	-0.004419	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-30	7.35	0.008974	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-20	5.56	0.006789	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-10	3.78	0.004615	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	0	-2.82	-0.003443	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	10	-2.89	-0.003529	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	20	-3.50	-0.004274	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	30	2.78	0.003394	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	40	-6.27	-0.007656	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	50	-4.42	-0.005397	±2.5	PASS

824)										
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-30	3.79	0.004628	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-20	-4.99	-0.006093	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-10	-3.92	-0.004786	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	0	-5.34	-0.006520	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	10	-3.99	-0.004872	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	20	-3.75	-0.004579	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	30	2.73	0.003333	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	40	-4.16	-0.005079	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	50	-3.19	-0.003895	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	-30	5.11	0.006207	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	-20	-1.77	-0.002150	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	-10	-2.53	-0.003073	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	0	-3.10	-0.003765	±2.5	PASS
Band26 (814- 824)	1.4MHz	QPSK	26783	6RB#0	NV	10	-2.65	-0.003219	±2.5	PASS

Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	20	-1.19	-0.001445	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	30	-2.10	-0.002551	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	40	-2.80	-0.003401	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	50	-2.57	-0.003122	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-30	-4.13	-0.005016	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-20	2.96	0.003595	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-10	-2.59	-0.003146	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	0	-3.19	-0.003875	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	10	-4.91	-0.005964	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	20	-5.05	-0.006134	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	30	-3.38	-0.004105	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	40	-4.02	-0.004883	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	50	-3.81	-0.004628	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	-30	-2.43	-0.002980	±2.5	PASS
Band26	3MHz	QPSK	26705	15RB#0	NV	-20	-3.50	-0.004292	±2.5	PASS

(814-824)										
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	-10	2.80	0.003433	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	0	-3.16	-0.003875	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	10	-3.40	-0.004169	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	20	-2.98	-0.003654	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	30	-1.90	-0.002330	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	40	-3.13	-0.003838	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	50	-2.56	-0.003139	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	-30	-2.88	-0.003532	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	-20	-8.44	-0.010349	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	-10	-9.04	-0.011085	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	0	-7.17	-0.008792	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	10	-8.37	-0.010264	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	20	-2.59	-0.003176	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	30	-9.17	-0.011245	±2.5	PASS

824)										
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	40	-7.81	-0.009577	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	50	-5.31	-0.006511	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	-30	-2.63	-0.003211	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	-20	2.16	0.002637	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	-10	-1.27	-0.001551	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	0	-1.79	-0.002186	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	10	-2.22	-0.002711	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	20	-2.83	-0.003455	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	30	-2.79	-0.003407	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	40	-4.01	-0.004896	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	50	-2.50	-0.003053	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26740	15RB#0	NV	-30	-8.44	-0.010305	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26740	15RB#0	NV	-20	-9.17	-0.011197	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26740	15RB#0	NV	-10	-7.21	-0.008803	±2.5	PASS

Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	0	-6.48	-0.007912	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	10	-7.57	-0.009243	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	20	-3.42	-0.004176	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	30	-5.94	-0.007253	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	40	-6.34	-0.007741	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	50	-6.55	-0.007998	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	-30	-1.20	-0.001459	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	-20	2.10	0.002553	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	-10	-2.62	-0.003185	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	0	3.25	0.003951	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	10	-1.90	-0.002310	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	20	2.50	0.003040	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	30	-4.01	-0.004875	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26775	15RB#0	NV	40	-2.20	-0.002675	±2.5	PASS
Band26	3MHz	QPSK	26775	15RB#0	NV	50	-3.13	-0.003805	±2.5	PASS

(814-824)										
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-30	-5.91	-0.007185	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-20	-7.42	-0.009021	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-10	-6.57	-0.007988	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	0	-8.55	-0.010395	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	10	-6.24	-0.007587	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	20	-7.40	-0.008997	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	30	-8.43	-0.010249	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	40	-3.83	-0.004657	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	50	-9.56	-0.011623	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-30	2.03	0.002486	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-20	1.79	0.002192	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-10	-3.72	-0.004556	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	0	2.46	0.003013	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	10	-3.71	-0.004544	±2.5	PASS

824)										
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	20	-2.53	-0.003099	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	30	-2.13	-0.002609	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	40	-2.83	-0.003466	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	50	-2.07	-0.002535	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	-30	-9.97	-0.012211	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	-20	-5.94	-0.007275	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	-10	-3.98	-0.004874	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	0	-4.39	-0.005377	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	10	-3.56	-0.004360	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	20	-3.29	-0.004029	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	30	-4.78	-0.005854	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	40	-8.51	-0.010423	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26715	25RB#0	NV	50	-4.76	-0.005830	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	-30	2.78	0.003394	±2.5	PASS

Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	-20	2.89	0.003529	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	-10	3.55	0.004335	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	0	2.19	0.002674	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	10	2.62	0.003199	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	20	3.42	0.004176	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	30	-1.96	-0.002393	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	40	-3.09	-0.003773	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26740	25RB#0	NV	50	-3.06	-0.003736	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-30	-8.73	-0.010659	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-20	-3.20	-0.003907	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-10	-9.54	-0.011648	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	0	-22.80	-0.027839	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	10	-6.42	-0.007839	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	20	-7.97	-0.009731	±2.5	PASS
Band26	5MHz	16QAM	26740	25RB#0	NV	30	-5.89	-0.007192	±2.5	PASS

(814-824)										
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	40	-3.99	-0.004872	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	50	-4.62	-0.005641	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-30	-3.00	-0.003652	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-20	-23.65	-0.028789	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-10	-1.96	-0.002386	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	0	-2.55	-0.003104	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	10	-2.78	-0.003384	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	20	1.73	0.002106	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	30	-4.16	-0.005064	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	40	-3.86	-0.004699	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	50	-1.50	-0.001826	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-30	-5.78	-0.007036	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-20	-6.81	-0.008290	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-10	-9.20	-0.011199	±2.5	PASS

824)										
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	0	-5.62	-0.006841	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	10	-4.59	-0.005587	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	20	-9.20	-0.011199	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	30	-8.25	-0.010043	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	40	-4.73	-0.005758	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	50	-3.02	-0.003676	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-30	-9.67	-0.011807	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-20	-3.58	-0.004371	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-10	-3.88	-0.004737	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	0	-8.63	-0.010537	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	10	-6.95	-0.008486	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	20	-2.25	-0.002747	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	30	-8.60	-0.010501	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	40	-8.43	-0.010293	±2.5	PASS

Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	50	-7.91	-0.009658	±2.5	PASS
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