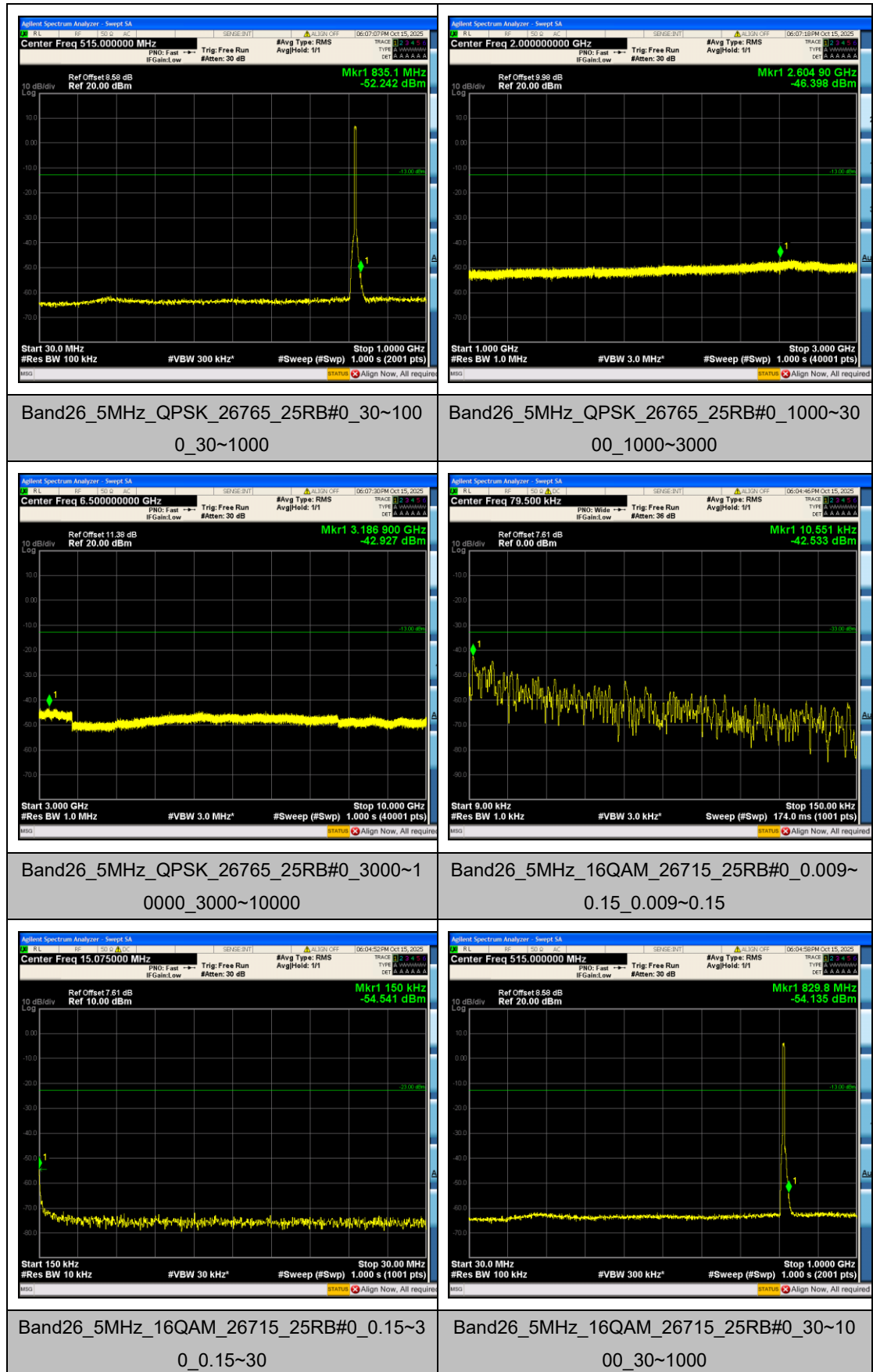
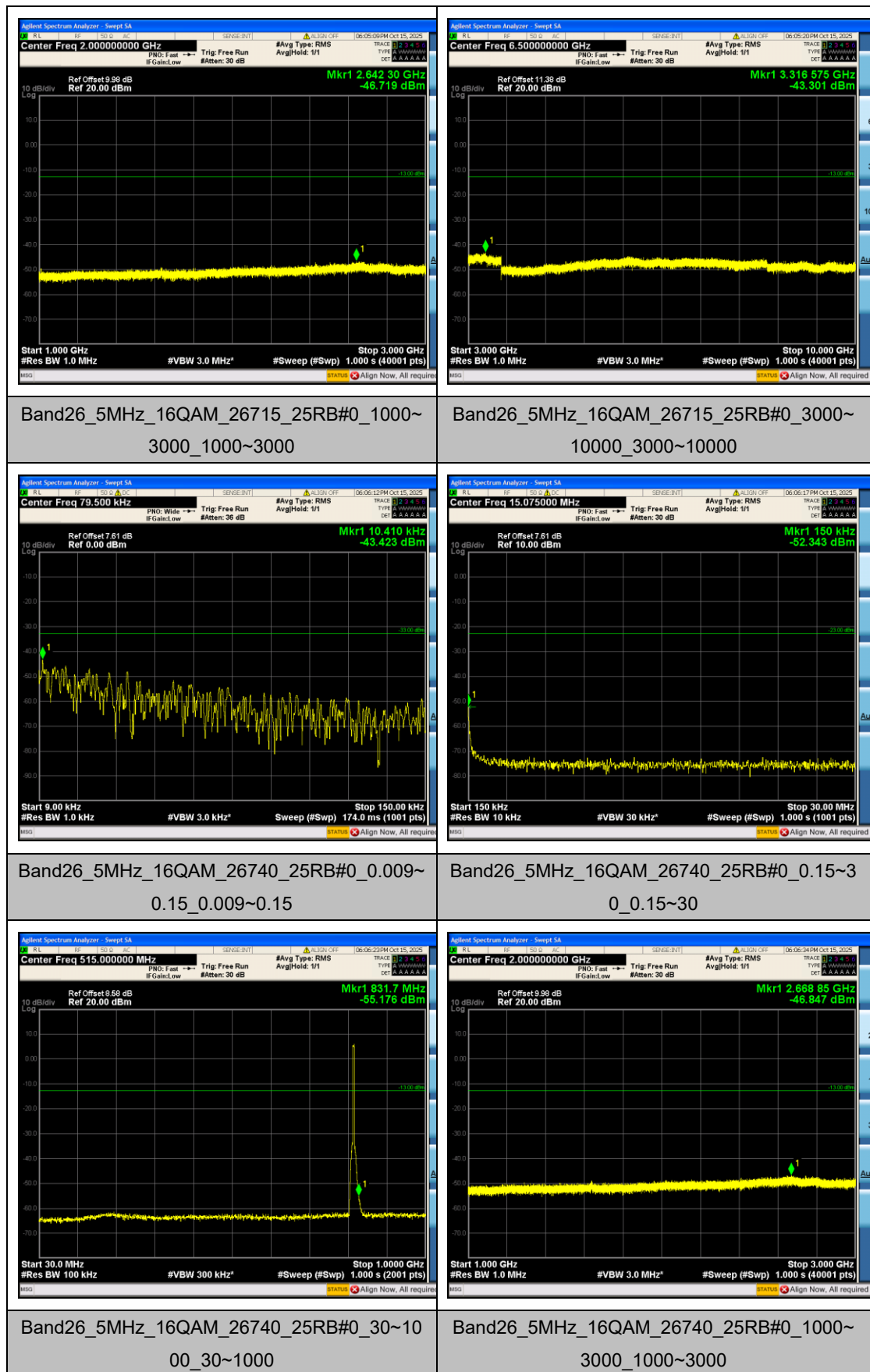
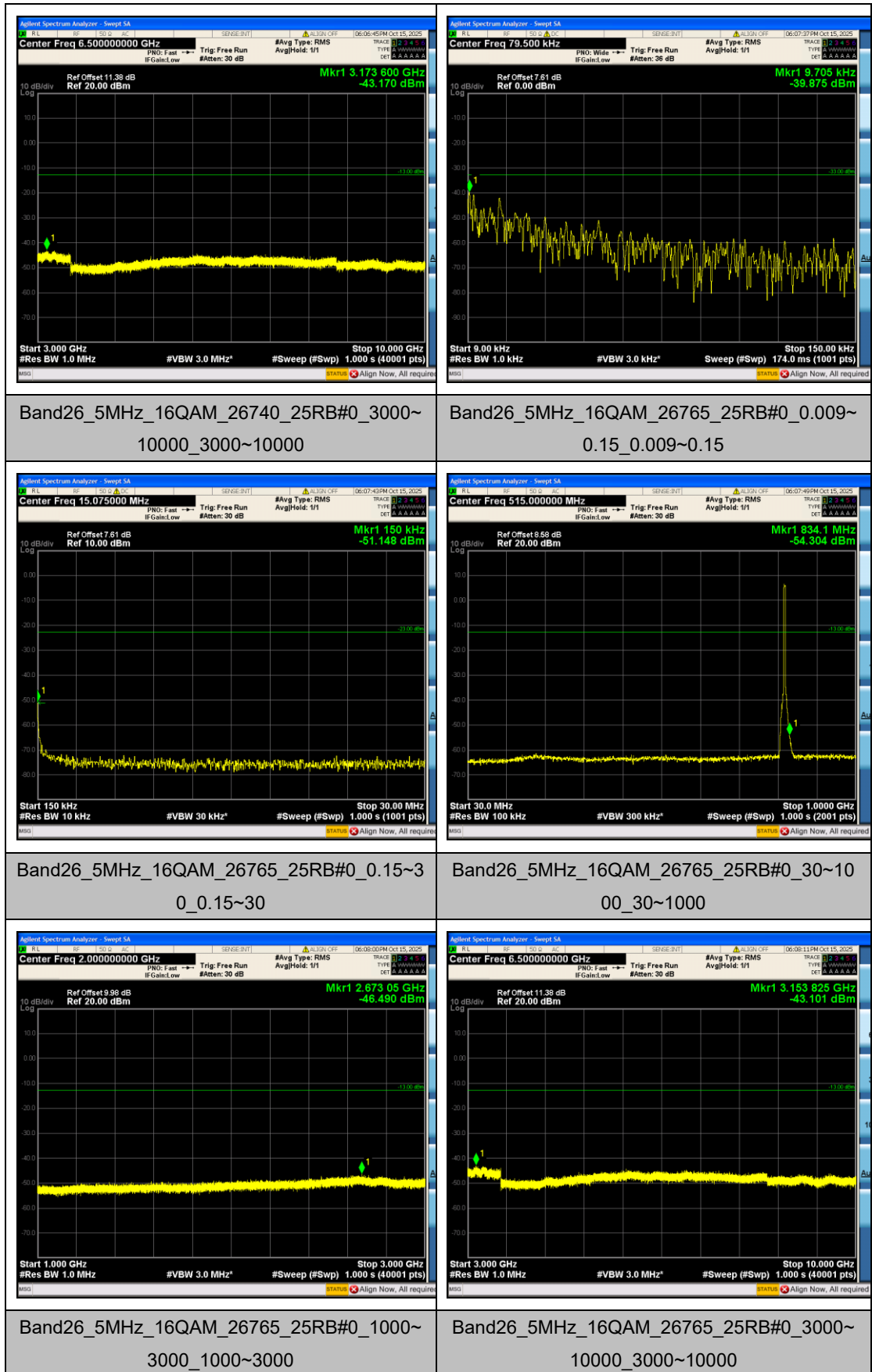
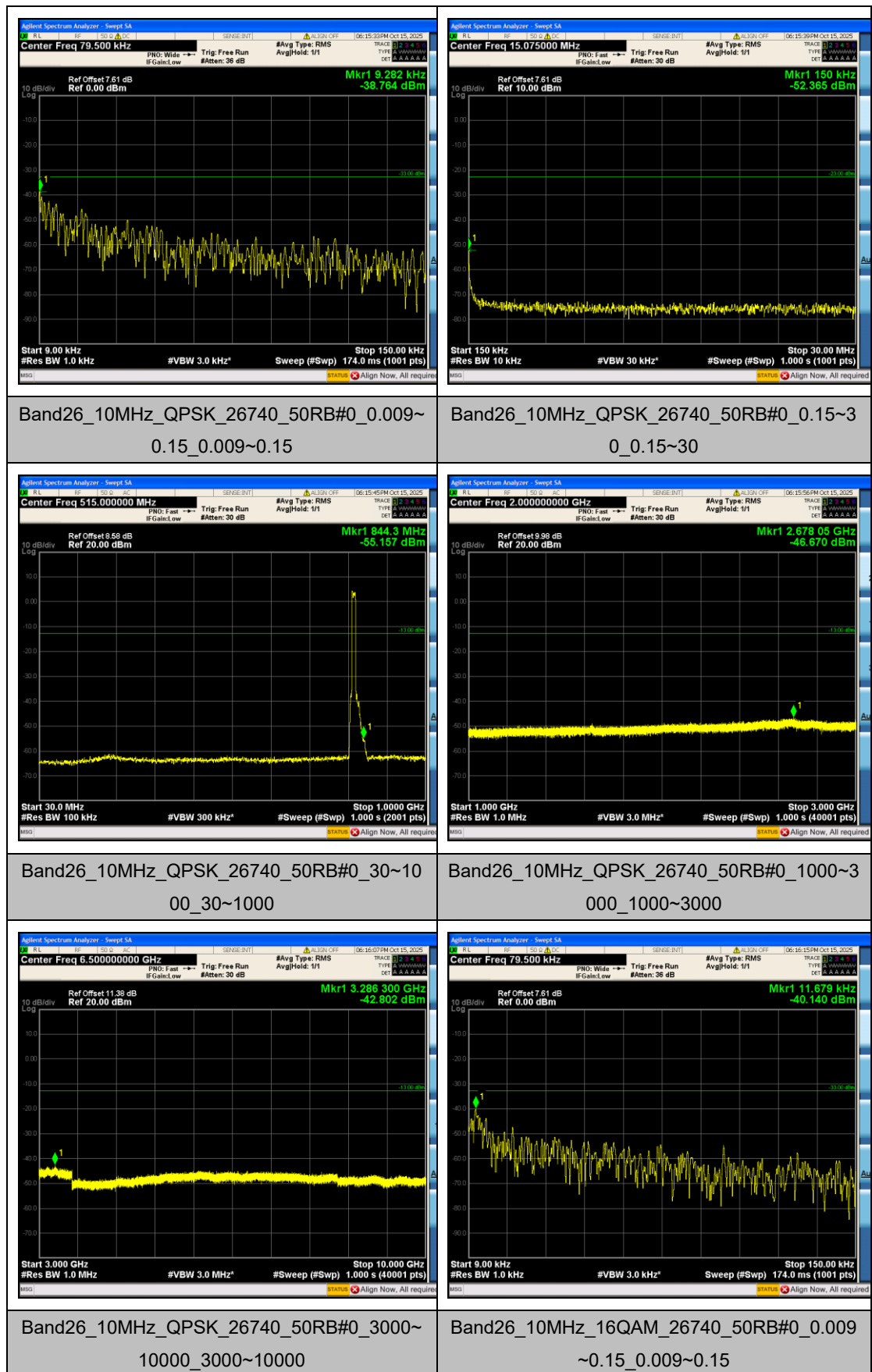
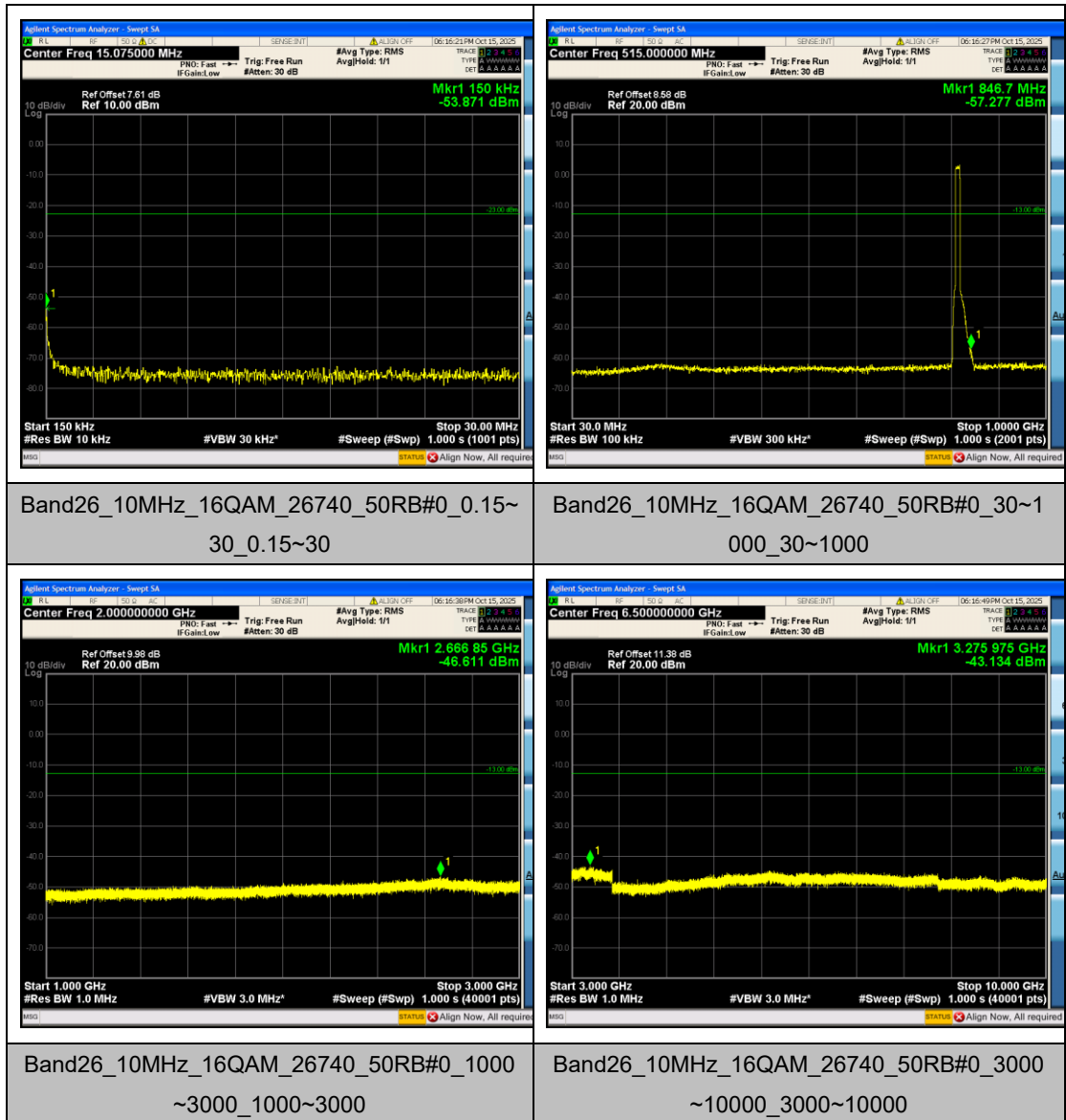












Appendix F: Frequency Stability

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	-9.84	-0.012078	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-20	-12.00	-0.014729	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	-10	-13.20	-0.016202	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	0	-9.91	-0.012164	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	10	-5.61	-0.006886	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	20	-8.51	-0.010446	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	30	-10.80	-0.013256	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	40	-12.10	-0.014852	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26697	6RB#0	NV	50	-12.19	-0.014963	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-30	-11.74	-0.014335	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-20	-10.96	-0.013382	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	-10	-11.24	-0.013724	±2.5	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	NV	0	-4.02	-0.004908	±2.5	PASS

(814-824)										
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	10	-5.06	-0.006178	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	20	-11.36	-0.013871	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	30	-8.23	-0.010049	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	40	-5.84	-0.007131	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26740	6RB#0	NV	50	-14.22	-0.017363	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	-30	-10.66	-0.012948	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	-20	-10.11	-0.012280	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	-10	-7.34	-0.008915	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	0	-10.57	-0.012839	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	10	-14.92	-0.018122	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	20	-12.69	-0.015414	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	30	-12.35	-0.015001	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	40	-5.89	-0.007154	±2.5	PASS
Band26 (814-824)	1.4MHz	QPSK	26783	6RB#0	NV	50	-13.48	-0.016373	±2.5	PASS

824)										
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	-30	-5.87	-0.007205	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	-20	3.82	0.004689	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	-10	-10.73	-0.013170	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	0	-3.02	-0.003707	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	10	-6.67	-0.008187	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	20	-11.32	-0.013895	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	30	-7.50	-0.009206	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	40	-3.48	-0.004272	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26697	6RB#0	NV	50	-4.09	-0.005020	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-30	-11.69	-0.014274	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-20	-13.72	-0.016752	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	-10	-1.59	-0.001941	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	0	-9.14	-0.011160	±2.5	PASS
Band26 (814- 824)	1.4MHz	16QAM	26740	6RB#0	NV	10	-12.06	-0.014725	±2.5	PASS

Band26 (814-824)	1.4MHz	16QAM	26740	6RB#0	NV	20	-15.59	-0.019035	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26740	6RB#0	NV	30	-9.57	-0.011685	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26740	6RB#0	NV	40	-9.86	-0.012039	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26740	6RB#0	NV	50	-6.94	-0.008474	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-30	-12.70	-0.015426	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-20	-13.07	-0.015875	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	-10	-6.82	-0.008284	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	0	-11.50	-0.013968	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	10	-13.98	-0.016980	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	20	-12.40	-0.015061	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	30	-13.26	-0.016106	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	40	-9.67	-0.011745	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26783	6RB#0	NV	50	-10.27	-0.012474	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	-30	-1.33	-0.001631	±2.5	PASS
Band26	3MHz	QPSK	26705	15RB#0	NV	-20	-10.91	-0.013378	±2.5	PASS

(814-824)										
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	-10	-4.01	-0.004917	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	0	-5.14	-0.006303	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	10	-15.75	-0.019313	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	20	-7.62	-0.009344	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	30	-11.99	-0.014703	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	40	-12.92	-0.015843	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26705	15RB#0	NV	50	-6.12	-0.007505	±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	-9.80	-0.011966	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26740	15RB#0	NV	-10	-4.26	-0.005201	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26740	15RB#0	NV	0	-4.19	-0.005116	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26740	15RB#0	NV	10	-4.92	-0.006007	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26740	15RB#0	NV	20	-11.04	-0.013480	±2.5	PASS
Band26 (814-824)	3MHz	QPSK	26740	15RB#0	NV	30	-7.93	-0.009683	±2.5	PASS

824)										
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	40	-8.98	-0.010965	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26740	15RB#0	NV	50	-16.69	-0.020379	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	-30	-10.69	-0.012997	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	-20	-11.94	-0.014517	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	-10	-10.33	-0.012559	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	0	-4.61	-0.005605	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	10	-15.44	-0.018772	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	20	-6.05	-0.007356	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	30	-8.65	-0.010517	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	40	-4.41	-0.005362	±2.5	PASS
Band26 (814- 824)	3MHz	QPSK	26775	15RB#0	NV	50	-13.39	-0.016280	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	-30	-12.92	-0.015843	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	-20	-9.03	-0.011073	±2.5	PASS
Band26 (814- 824)	3MHz	16QAM	26705	15RB#0	NV	-10	-4.84	-0.005935	±2.5	PASS

Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	0	-12.75	-0.015635	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	10	-6.01	-0.007370	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	20	-9.11	-0.011171	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	30	-13.10	-0.016064	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	40	-10.27	-0.012594	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	15RB#0	NV	50	-12.06	-0.014788	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	-30	-11.14	-0.013602	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	-20	-8.51	-0.010391	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	-10	-11.93	-0.014567	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	0	-6.12	-0.007473	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	10	-5.76	-0.007033	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	20	-9.16	-0.011184	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	30	-9.76	-0.011917	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	15RB#0	NV	40	-12.27	-0.014982	±2.5	PASS
Band26	3MHz	16QAM	26740	15RB#0	NV	50	-3.09	-0.003773	±2.5	PASS

(814-824)										
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-30	-11.22	-0.013641	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-20	-9.16	-0.011137	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	-10	-12.60	-0.015319	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	0	-3.82	-0.004644	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	10	-2.85	-0.003465	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	20	-4.91	-0.005970	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	30	-5.04	-0.006128	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	40	-12.96	-0.015757	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26775	15RB#0	NV	50	-8.15	-0.009909	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-30	-13.03	-0.015958	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-20	-7.78	-0.009528	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	-10	-11.27	-0.013803	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	0	-10.74	-0.013154	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26715	25RB#0	NV	10	-11.77	-0.014415	±2.5	PASS

824)										
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	20	-9.47	-0.011598	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	30	-10.61	-0.012994	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	40	-9.47	-0.011598	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26715	25RB#0	NV	50	-3.33	-0.004078	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	-30	-10.89	-0.013297	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	-20	-10.61	-0.012955	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	-10	-3.30	-0.004029	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	0	-5.78	-0.007057	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	10	-10.26	-0.012527	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	20	-11.30	-0.013797	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	30	-6.48	-0.007912	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	40	-9.44	-0.011526	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26740	25RB#0	NV	50	-12.92	-0.015775	±2.5	PASS
Band26 (814- 824)	5MHz	QPSK	26765	25RB#0	NV	-30	-12.07	-0.014693	±2.5	PASS

Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-20	-10.97	-0.013354	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	-10	-9.88	-0.012027	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	0	-7.50	-0.009130	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	10	-9.14	-0.011126	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	20	-7.35	-0.008947	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	30	-11.87	-0.014449	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	40	-7.42	-0.009032	±2.5	PASS
Band26 (814-824)	5MHz	QPSK	26765	25RB#0	NV	50	-10.76	-0.013098	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	-30	-11.76	-0.014403	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	-20	-13.42	-0.016436	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	-10	-11.36	-0.013913	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	0	-6.68	-0.008181	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	10	-12.37	-0.015150	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	20	-10.84	-0.013276	±2.5	PASS
Band26	5MHz	16QAM	26715	25RB#0	NV	30	-13.16	-0.016118	±2.5	PASS

(814-824)										
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	40	-5.92	-0.007250	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26715	25RB#0	NV	50	-11.73	-0.014366	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-30	3.62	0.004420	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-20	-7.70	-0.009402	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	-10	-15.22	-0.018584	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	0	-14.78	-0.018046	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	10	-9.67	-0.011807	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	20	-4.22	-0.005153	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	30	-8.67	-0.010586	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	40	-7.34	-0.008962	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26740	25RB#0	NV	50	-13.25	-0.016178	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-30	-4.59	-0.005587	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-20	-11.83	-0.014400	±2.5	PASS
Band26 (814-824)	5MHz	16QAM	26765	25RB#0	NV	-10	-12.93	-0.015740	±2.5	PASS

824)										
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	0	-3.50	-0.004260	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	10	-13.62	-0.016579	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	20	-10.36	-0.012611	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	30	3.76	0.004577	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	40	-11.56	-0.014072	±2.5	PASS
Band26 (814- 824)	5MHz	16QAM	26765	25RB#0	NV	50	-11.29	-0.013743	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-30	-9.20	-0.011233	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-20	-11.76	-0.014359	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	-10	-15.98	-0.019512	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	0	-5.49	-0.006703	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	10	-12.27	-0.014982	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	20	-7.54	-0.009206	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	30	-13.10	-0.015995	±2.5	PASS
Band26 (814- 824)	10MHz	QPSK	26740	50RB#0	NV	40	-16.34	-0.019951	±2.5	PASS

Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	50	-7.12	-0.008694	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	-30	-12.72	-0.015531	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	-20	-15.03	-0.018352	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	-10	-15.54	-0.018974	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	0	-13.82	-0.016874	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	10	-11.19	-0.013663	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	20	-9.76	-0.011917	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	30	-12.65	-0.015446	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	40	-11.90	-0.014530	±2.5	PASS
Band26 (814-824)	10MHz	16QAM	26740	50RB#0	NV	50	-11.87	-0.014493	±2.5	PASS