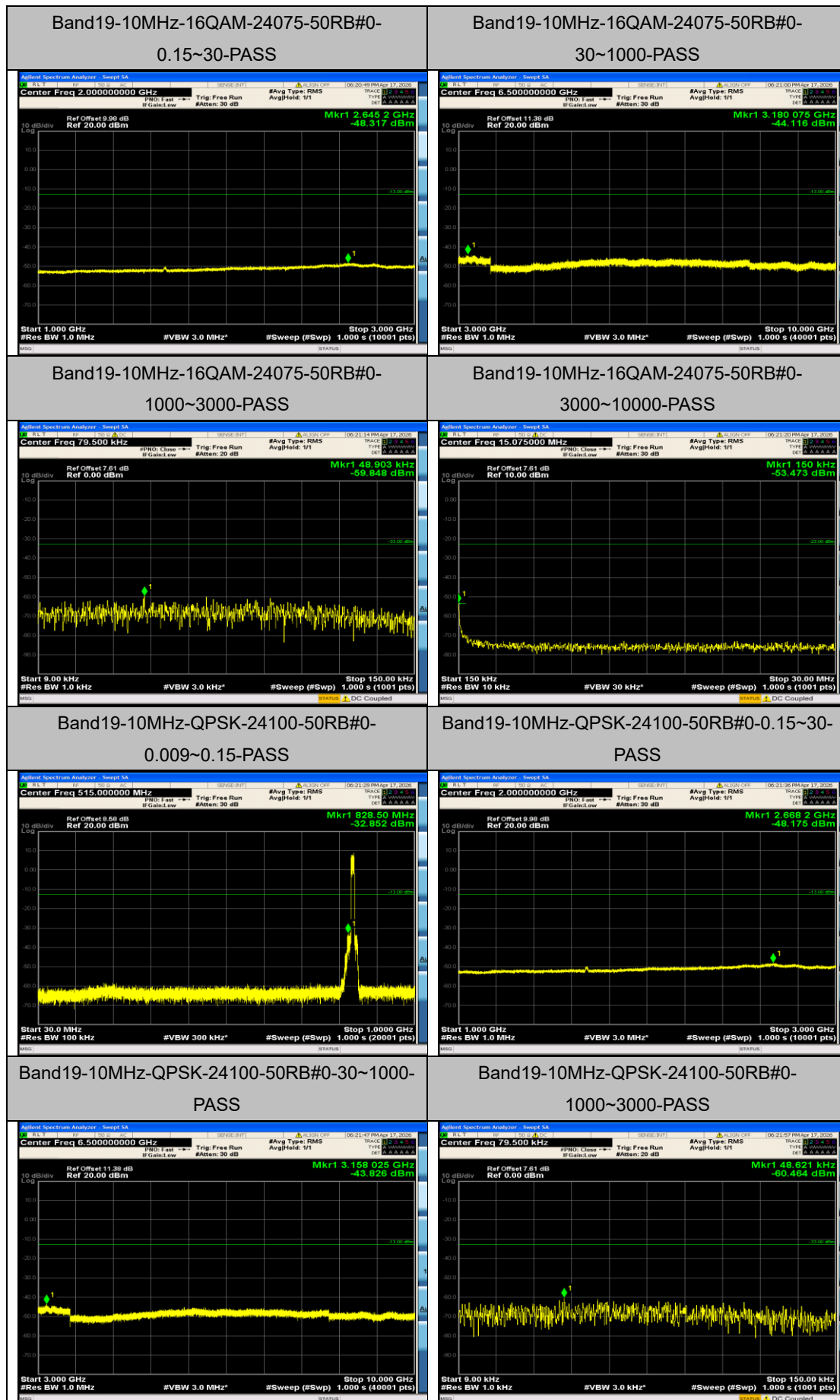
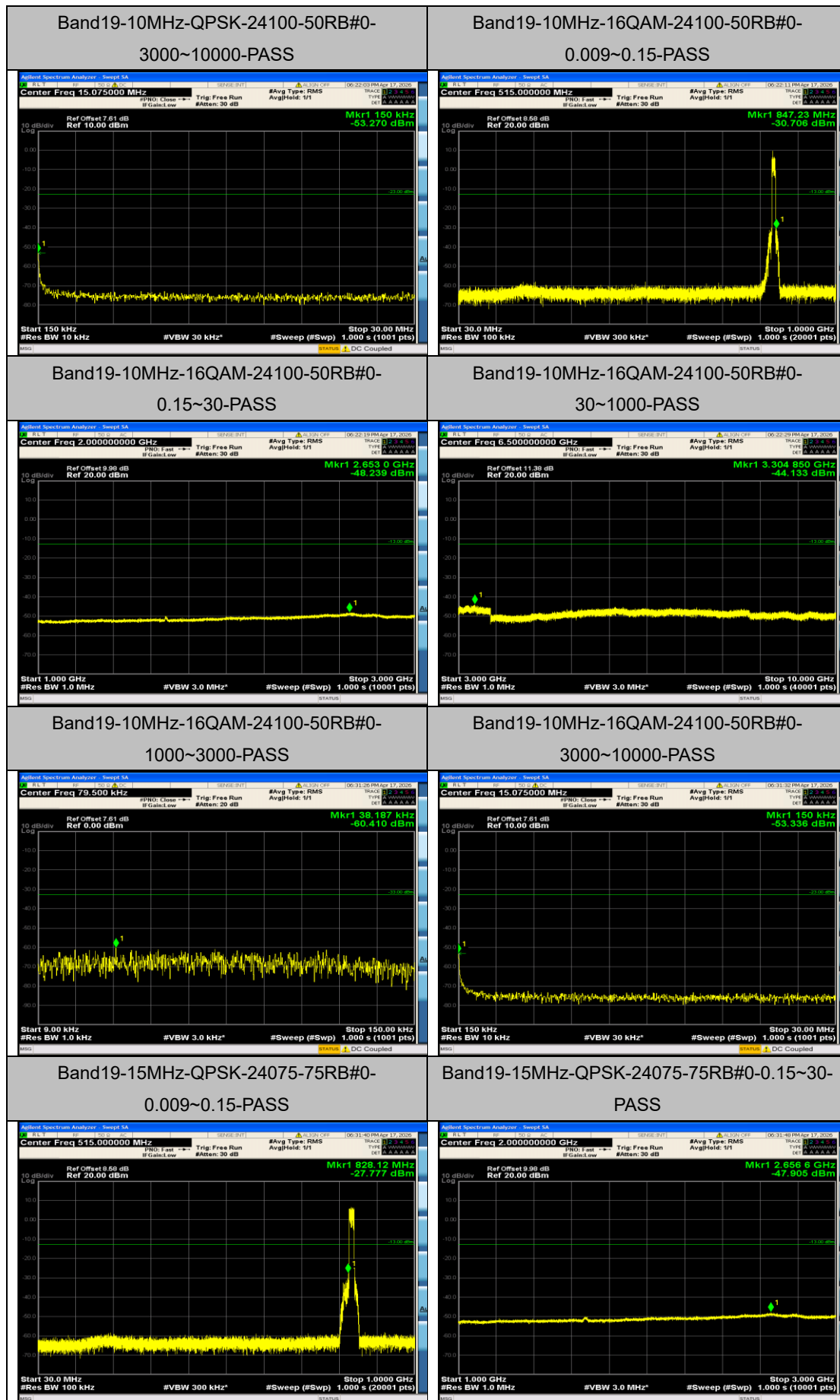
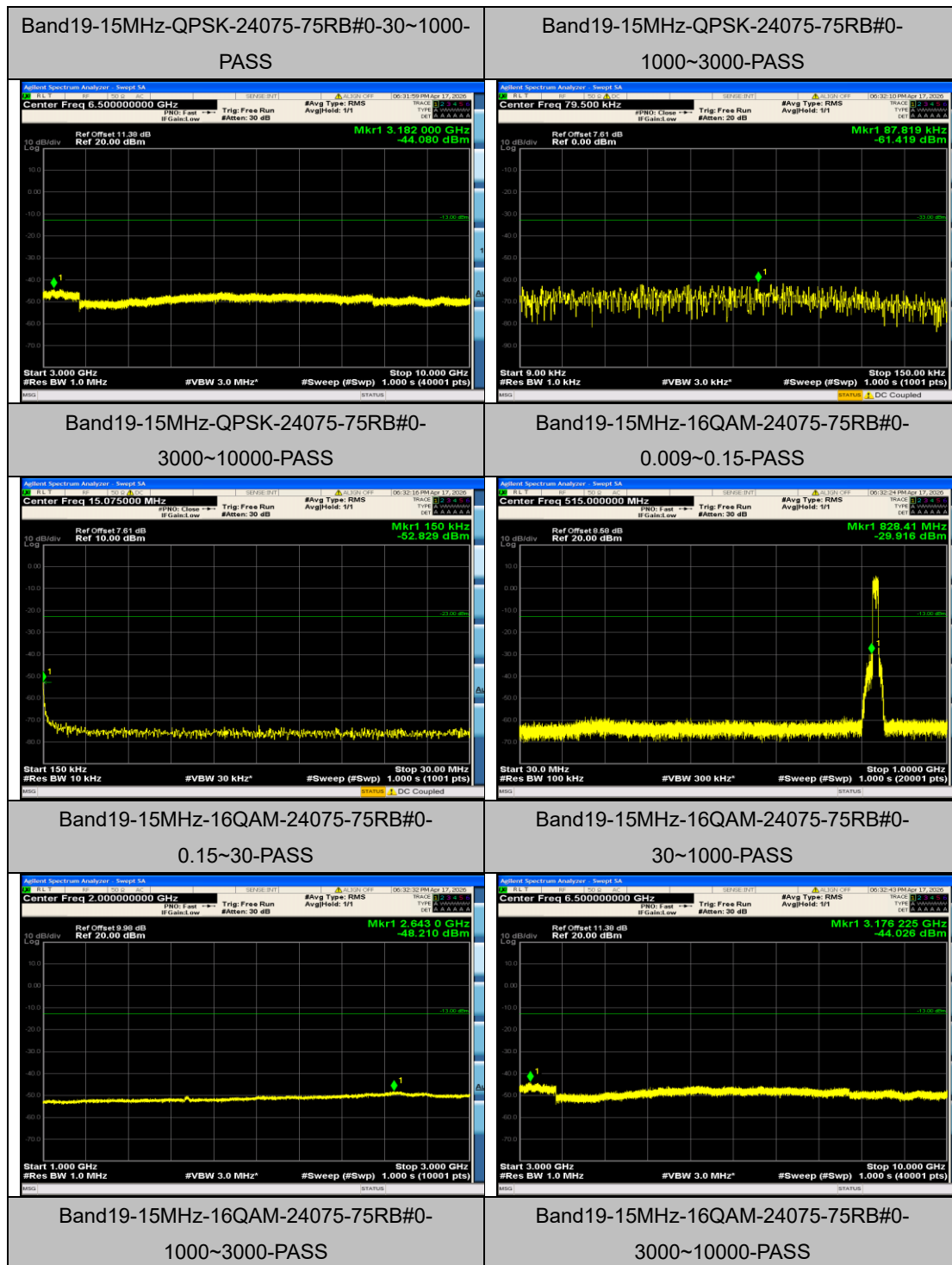








Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	NV	-30	-6.05	-0.007267	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	-20	-2.22	-0.002667	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	-10	-10.03	-0.012048	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	0	-6.37	-0.007652	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	10	-5.31	-0.006378	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	20	-7.24	-0.008697	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	30	-7.50	-0.009009	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	40	-9.80	-0.011772	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	50	-7.70	-0.009249	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	-30	-7.11	-0.008541	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	-20	-2.33	-0.002799	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	-10	-3.09	-0.003712	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	0	-7.37	-0.008853	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	10	-4.58	-0.005502	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	20	-6.35	-0.007628	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	30	-7.14	-0.008577	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	40	-4.79	-0.005754	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	50	-4.72	-0.005670	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-30	-3.81	-0.004549	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-20	2.55	0.003045	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-10	3.38	0.004036	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	0	-5.15	-0.006149	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	10	-1.52	-0.001815	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	20	-6.25	-0.007463	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	30	-4.78	-0.005707	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	40	2.15	0.002567	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	50	-4.15	-0.004955	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	-30	1.44	0.001719	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	-20	2.33	0.002782	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	-10	-5.99	-0.007152	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	0	-5.19	-0.006197	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	10	-5.46	-0.006519	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	20	-8.45	-0.010090	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	30	-2.15	-0.002567	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	40	-7.84	-0.009361	±2.5	PASS

Band19	5MHz	16QAM	24075	25RB#0	NV	50	-4.29	-0.005122	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-30	-1.86	-0.002208	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-20	-3.46	-0.004107	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-10	-7.00	-0.008309	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	0	-1.46	-0.001733	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	10	-4.45	-0.005282	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	20	-3.63	-0.004309	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	30	-6.61	-0.007846	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	40	-5.59	-0.006635	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	50	-7.35	-0.008724	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	-30	-3.55	-0.004214	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	-20	-3.10	-0.003680	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	-10	-4.01	-0.004760	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	0	-3.92	-0.004653	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	10	1.73	0.002053	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	20	-5.02	-0.005958	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	30	-3.82	-0.004534	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	40	-6.02	-0.007145	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	50	-3.43	-0.004071	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-30	-5.97	-0.007150	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-20	-6.69	-0.008012	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-10	-7.81	-0.009353	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	0	-5.38	-0.006443	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	10	4.99	0.005976	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	20	-9.00	-0.010778	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	30	-4.19	-0.005018	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	40	-8.80	-0.010539	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	50	-3.78	-0.004527	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	-30	-8.73	-0.010455	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	-20	-5.36	-0.006419	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	-10	-5.87	-0.007030	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	0	-9.33	-0.011174	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	10	-5.26	-0.006299	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	20	-9.47	-0.011341	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	30	-5.06	-0.006060	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	40	-3.79	-0.004539	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	50	-5.34	-0.006395	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-30	-7.30	-0.008716	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-20	-4.91	-0.005863	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-10	-8.25	-0.009851	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	0	-9.37	-0.011188	±2.5	PASS

Band19	10MHz	QPSK	24075	50RB#0	NV	10	-4.03	-0.004812	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	20	-5.49	-0.006555	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	30	-5.24	-0.006257	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	40	-5.69	-0.006794	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	50	-6.59	-0.007869	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	-30	-4.92	-0.005875	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	-20	-9.21	-0.010997	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	-10	-4.85	-0.005791	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	0	-2.33	-0.002782	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	10	-1.12	-0.001337	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	20	-3.25	-0.003881	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	30	-4.75	-0.005672	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	40	-5.41	-0.006460	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	50	-2.32	-0.002770	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-30	-4.69	-0.005583	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-20	-6.44	-0.007667	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-10	-3.89	-0.004631	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	0	-5.39	-0.006417	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	10	-7.35	-0.008750	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	20	-3.43	-0.004083	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	30	-3.59	-0.004274	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	40	3.33	0.003964	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	50	2.73	0.003250	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	-30	2.62	0.003119	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	-20	-2.45	-0.002917	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	-10	-4.71	-0.005607	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	0	-3.86	-0.004595	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	10	-6.72	-0.008000	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	20	-5.36	-0.006381	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	30	-7.05	-0.008393	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	40	-6.25	-0.007440	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	50	-5.74	-0.006833	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-30	-5.31	-0.006340	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-20	-6.44	-0.007690	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-10	4.43	0.005290	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	0	-4.62	-0.005516	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	10	-10.87	-0.012979	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	20	3.35	0.004000	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	30	-6.75	-0.008060	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	40	-8.43	-0.010066	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	50	-6.58	-0.007857	±2.5	PASS

Band19	15MHz	16QAM	24075	75RB#0	NV	-30	-8.48	-0.010125	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	-20	-8.81	-0.010519	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	-10	-7.88	-0.009409	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	0	-7.25	-0.008657	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	10	-8.77	-0.010472	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	20	-6.75	-0.008060	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	30	-8.20	-0.009791	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	40	-10.41	-0.012430	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	50	-5.62	-0.006710	±2.5	PASS