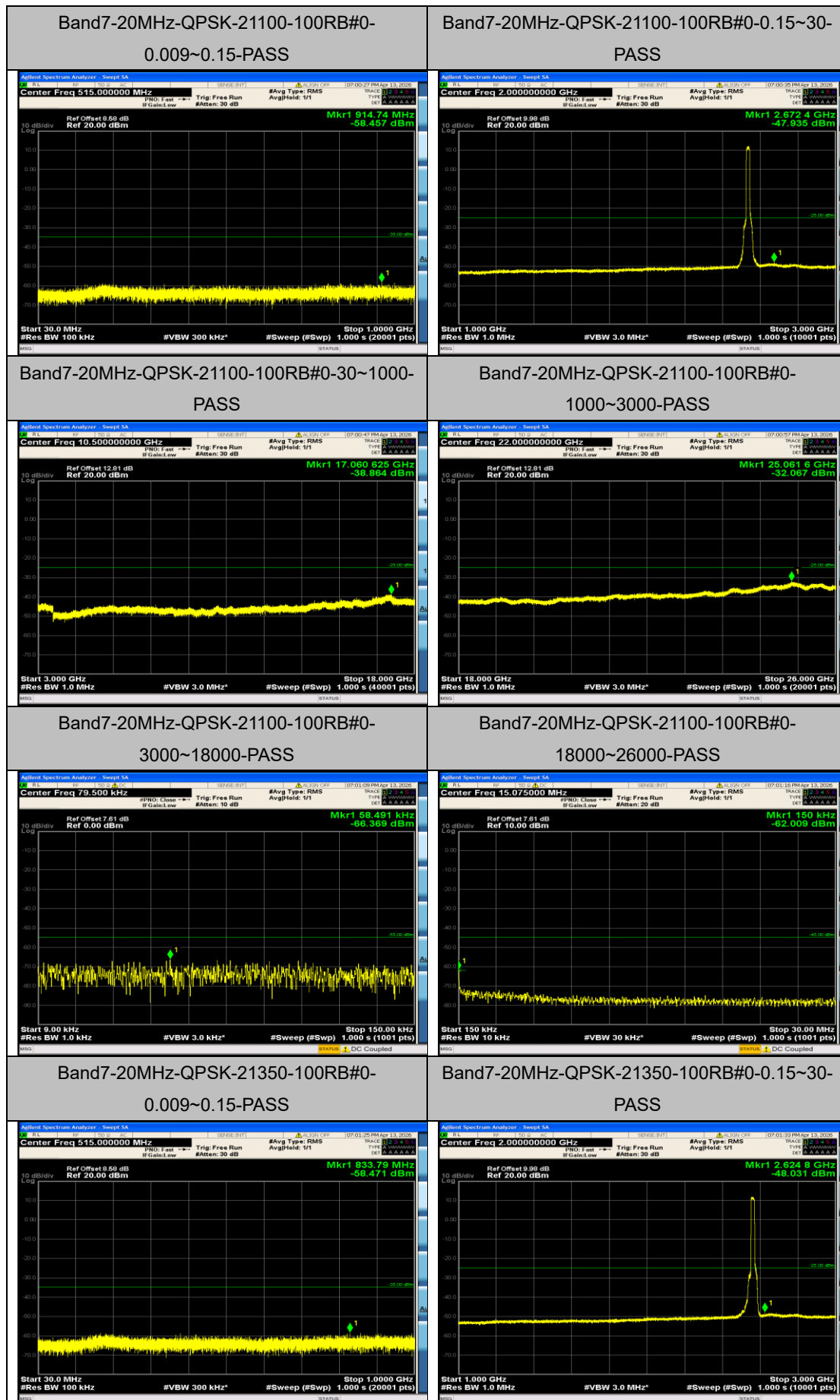
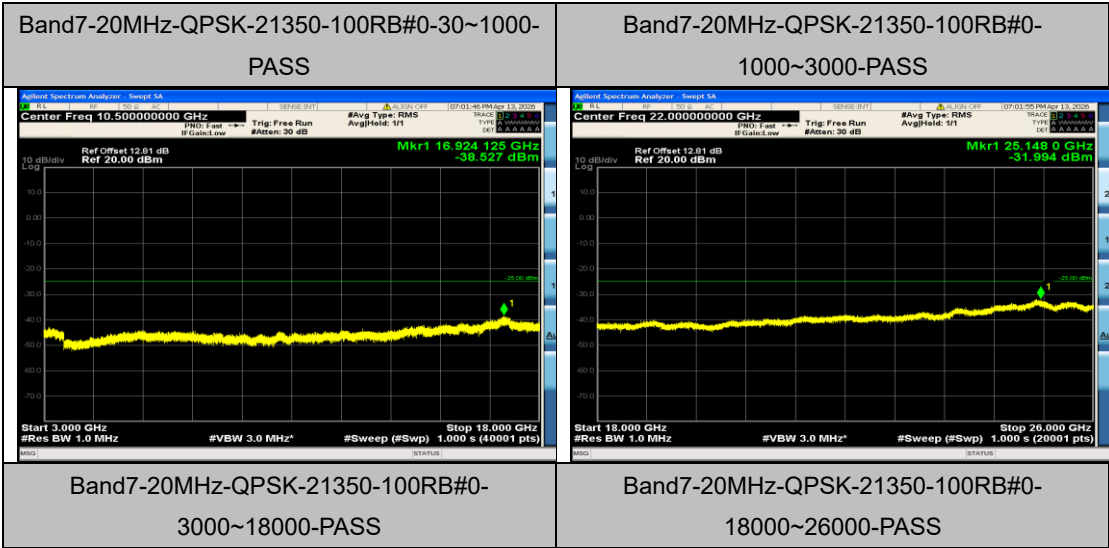






Appendix E: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	5.65	0.002258	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	10.14	0.004052	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	-61.90	-0.024735	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	6.44	0.002573	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	8.47	0.003385	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	5.87	0.002346	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	6.75	0.002697	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	10.59	0.004232	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	5.32	0.002126	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	8.11	0.003241	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	8.07	0.003225	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	11.22	0.004484	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	8.85	0.003536	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	5.74	0.002294	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	7.77	0.003105	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	-65.07	-0.026002	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	6.59	0.002633	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	10.73	0.004288	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-7.70	-0.003037	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-5.81	-0.002292	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-10	-7.94	-0.003132	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	-10.03	-0.003957	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-5.24	-0.002067	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-6.75	-0.002663	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	-7.90	-0.003116	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	-6.92	-0.002730	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	50	-3.06	-0.001207	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	2.79	0.001101	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	4.82	0.001901	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	-3.42	-0.001349	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	5.62	0.002217	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-5.81	-0.002292	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	7.57	0.002986	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	-5.18	-0.002043	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	-5.56	-0.002193	±2.5	PASS

Band7	5MHz	16QAM	21100	25RB#0	NV	50	4.28	0.001688	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	5.38	0.002095	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	4.56	0.001776	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	6.62	0.002578	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	5.12	0.001994	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	7.67	0.002987	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-2.76	-0.001075	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	9.90	0.003856	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	7.40	0.002882	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	6.08	0.002368	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	8.87	0.003455	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	4.49	0.001749	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	5.41	0.002107	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	4.08	0.001589	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	4.52	0.001760	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-5.18	-0.002018	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	-4.75	-0.001850	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	2.83	0.001102	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	10.34	0.004027	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-4.79	-0.001912	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-5.95	-0.002375	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	-8.14	-0.003250	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-3.29	-0.001313	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-5.76	-0.002299	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-5.74	-0.002291	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	-8.31	-0.003317	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	-6.68	-0.002667	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	-6.79	-0.002711	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-11.14	-0.004394	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	5.59	0.002205	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	3.59	0.001416	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	4.88	0.001925	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	4.19	0.001653	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-6.05	-0.002387	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	6.61	0.002607	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	-9.26	-0.003653	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	-5.58	-0.002201	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-3.91	-0.001524	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-12.82	-0.004998	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	-6.32	-0.002464	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-5.61	-0.002187	±2.5	PASS

Band7	10MHz	QPSK	21400	50RB#0	NV	10	-5.34	-0.002082	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-7.28	-0.002838	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	-4.95	-0.001930	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	-5.79	-0.002257	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	-6.14	-0.002394	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	4.78	0.001906	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-3.13	-0.001248	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-10	-5.58	-0.002225	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	7.94	0.003167	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	5.05	0.002014	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	-5.82	-0.002321	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	3.68	0.001468	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	4.38	0.001747	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	5.06	0.002018	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-6.17	-0.002434	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-6.35	-0.002505	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	-4.59	-0.001811	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-6.75	-0.002663	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-5.42	-0.002138	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-10.51	-0.004146	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	30	-6.62	-0.002611	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	13.82	0.005452	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	-8.68	-0.003424	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	7.17	0.002798	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	6.95	0.002712	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	-6.01	-0.002345	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	4.01	0.001565	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	4.33	0.001690	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	7.32	0.002857	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	5.21	0.002033	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	5.49	0.002142	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	6.74	0.002630	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	6.92	0.002757	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	6.24	0.002486	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	5.79	0.002307	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-5.08	-0.002024	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-4.22	-0.001681	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	6.91	0.002753	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	4.84	0.001928	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	6.74	0.002685	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	7.32	0.002916	±2.5	PASS

Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-8.31	-0.003278	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-7.34	-0.002895	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-4.85	-0.001913	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-6.59	-0.002600	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-5.25	-0.002071	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-5.85	-0.002308	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-6.51	-0.002568	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-9.30	-0.003669	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-7.45	-0.002939	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-3.43	-0.001340	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	6.37	0.002488	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	7.22	0.002820	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	5.79	0.002262	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	5.98	0.002336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	3.79	0.001480	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	4.35	0.001699	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	19.15	0.007480	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	3.59	0.001402	±2.5	PASS