



























Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	VL	NT	-23.49	-0.01	PASS
N38	30	20	CP-QPSK	L	Outer_Full	VN	NT	-10.80	0.00	PASS
N38	30	20	CP-QPSK	L	Outer_Full	VH	NT	-15.17	-0.01	PASS
N38	30	20	CP-16QAM	L	Outer_Full	VL	NT	-15.89	-0.01	PASS
N38	30	20	CP-16QAM	L	Outer_Full	VN	NT	-14.49	-0.01	PASS
N38	30	20	CP-16QAM	L	Outer_Full	VH	NT	-12.31	0.00	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VL	NT	-16.35	-0.01	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VN	NT	-24.86	-0.01	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VH	NT	-13.81	-0.01	PASS
N38	30	20	CP-16QAM	M	Outer_Full	VL	NT	-22.08	-0.01	PASS
N38	30	20	CP-16QAM	M	Outer_Full	VN	NT	-10.79	0.00	PASS
N38	30	20	CP-16QAM	M	Outer_Full	VH	NT	-15.49	-0.01	PASS
N38	30	20	CP-QPSK	H	Outer_Full	VL	NT	-20.49	-0.01	PASS
N38	30	20	CP-QPSK	H	Outer_Full	VN	NT	-16.33	-0.01	PASS
N38	30	20	CP-QPSK	H	Outer_Full	VH	NT	-22.12	-0.01	PASS
N38	30	20	CP-16QAM	H	Outer_Full	VL	NT	-9.71	0.00	PASS
N38	30	20	CP-16QAM	H	Outer_Full	VN	NT	-20.79	-0.01	PASS
N38	30	20	CP-16QAM	H	Outer_Full	VH	NT	-27.33	-0.01	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	NV	-30	-5.441964	-0.002109	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	-20	-16.554209	-0.006416	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	-10	-22.747253	-0.008817	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	0	-5.345853	-0.002072	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	10	-11.391651	-0.004415	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	20	-13.892712	-0.005385	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	30	-13.594851	-0.005269	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	40	-15.856303	-0.006146	PASS

N38	30	20	CP-QPSK	L	Outer_Full	NV	50	-19.017008	-0.007371	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	-30	-9.372190	-0.003633	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	-20	-8.536588	-0.003309	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	-10	-6.961981	-0.002698	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	0	-22.885517	-0.008870	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	10	-21.998531	-0.008527	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	20	-17.073015	-0.006617	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	30	-14.374998	-0.005572	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	40	-11.394775	-0.004417	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	50	-10.878910	-0.004217	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-30	-18.715525	-0.007212	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-20	-19.698097	-0.007591	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-10	-13.742988	-0.005296	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	0	-28.147863	-0.010847	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	10	-0.833354	-0.000321	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	20	-10.180770	-0.003923	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	30	-21.204321	-0.008171	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	40	-6.052802	-0.002332	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	50	-14.121960	-0.005442	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	-30	-19.411249	-0.007480	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	-20	-24.879469	-0.009587	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	-10	-9.615987	-0.003706	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	0	-12.106086	-0.004665	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	10	-17.942736	-0.006914	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	20	-21.901751	-0.008440	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	30	-1.347566	-0.000519	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	40	-4.209961	-0.001622	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	50	-26.765129	-0.010314	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	-30	-29.414759	-0.011270	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	-20	-12.480469	-0.004782	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	-10	-14.010601	-0.005368	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	0	-10.967072	-0.004202	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	10	-5.798625	-0.002222	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	20	-20.270721	-0.007767	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	30	-13.423884	-0.005143	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	40	-21.703039	-0.008315	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	50	-13.843796	-0.005304	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	-30	-12.398212	-0.004750	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	-20	-23.221994	-0.008897	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	-10	-31.105057	-0.011918	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	0	-15.741366	-0.006031	PASS

N38	30	20	CP-16QAM	H	Outer_Full	NV	10	-0.236763	-0.000091	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	20	-28.479538	-0.010912	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	30	-13.481156	-0.005165	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	40	-20.327480	-0.007788	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	50	-26.712204	-0.010235	PASS