





















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
N30	15	5	DFT-QPSK	L	Outer_Full	VL	NT	-2.720000	-0.001179	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-3.260000	-0.001413	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	VH	NT	-2.980000	-0.001291	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	VL	NT	-3.690000	-0.001599	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	VN	NT	-3.530000	-0.001530	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	VH	NT	-1.100000	-0.000477	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	VL	NT	-1.000000	-0.000433	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	VN	NT	-4.250000	-0.001840	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	VH	NT	-3.400000	-0.001472	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	VL	NT	-2.240000	-0.000970	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	VN	NT	-1.750000	-0.000758	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	VH	NT	-2.750000	-0.001190	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	VL	NT	-0.440000	-0.000190	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	VN	NT	0.640000	0.000277	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	VH	NT	0.800000	0.000346	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	VL	NT	-1.010000	-0.000437	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	VN	NT	-1.340000	-0.000579	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	VH	NT	-1.800000	-0.000778	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	VL	NT	-2.060000	-0.000892	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	VN	NT	-2.830000	-0.001225	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-2.380000	-0.001030	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	VL	NT	-1.940000	-0.000840	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	VN	NT	-3.620000	-0.001567	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	VH	NT	-1.600000	-0.000693	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	NV	-30	-3.740000	-0.001621	PASS

N30	15	5	DFT-QPSK	L	Outer_Full	NV	-20	-2.310000	-0.001000	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	-10	-4.390000	-0.001902	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	0	-4.640000	-0.002011	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	10	-3.970000	-0.001720	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	20	-3.060000	-0.001326	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	30	-2.350000	-0.001018	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	40	-4.920000	-0.002132	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	NV	50	-2.430000	-0.001053	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	-30	-1.610000	-0.000698	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	-20	-3.450000	-0.001495	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	-10	-4.200000	-0.001820	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	0	-3.700000	-0.001603	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	10	-3.750000	-0.001625	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	20	-0.760000	-0.000329	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	30	-3.860000	-0.001673	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	40	-3.630000	-0.001573	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	NV	50	-3.080000	-0.001335	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	-30	-2.930000	-0.001268	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	-20	-2.810000	-0.001216	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	-10	-1.790000	-0.000775	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	0	-3.880000	-0.001680	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	10	-1.770000	-0.000766	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	20	-1.910000	-0.000827	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	30	-2.120000	-0.000918	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	40	-2.080000	-0.000900	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	NV	50	-2.540000	-0.001100	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	-30	-1.230000	-0.000532	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	-20	-1.630000	-0.000706	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	-10	-3.590000	-0.001554	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	0	-2.810000	-0.001216	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	10	-0.750000	-0.000325	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	20	-3.120000	-0.001351	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	30	-2.069999	-0.000896	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	40	-2.000000	-0.000866	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	NV	50	-1.510000	-0.000654	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	-30	-1.710000	-0.000739	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	-20	0.510000	0.000221	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	-10	-1.990000	-0.000861	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	0	-1.820000	-0.000787	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	10	-0.540000	-0.000234	PASS

N30	15	5	DFT-QPSK	H	Outer_Full	NV	20	0.020000	0.000009	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	30	-0.350000	-0.000151	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	40	-0.920000	-0.000398	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	NV	50	1.330000	0.000575	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	-30	-0.330000	-0.000143	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	-20	-1.600000	-0.000692	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	-10	1.520000	0.000657	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	0	-0.220000	-0.000095	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	10	-0.030000	-0.000013	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	20	-1.500000	-0.000649	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	30	1.050000	0.000454	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	40	0.070000	0.000030	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	NV	50	-0.930000	-0.000402	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	-30	-2.790000	-0.001208	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	-20	-4.019999	-0.001740	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	-10	-1.960000	-0.000848	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	0	-2.420000	-0.001048	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	10	-1.610000	-0.000697	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	20	-3.410000	-0.001476	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	30	-1.210000	-0.000524	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	40	-1.910000	-0.000827	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	50	-2.970000	-0.001286	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	-30	-0.930000	-0.000403	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	-20	-2.790000	-0.001208	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	-10	-3.290000	-0.001424	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	0	-3.360000	-0.001455	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	10	-2.460000	-0.001065	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	20	-6.030000	-0.002610	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	30	-3.190000	-0.001381	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	40	-0.680000	-0.000294	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	NV	50	-1.260000	-0.000545	PASS