



























## Appendix F: Frequency Stability for NSA

### Test Result

#### Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n41A	30	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-10.04	0.00	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-25.76	-0.01	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-8.80	0.00	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-4.17	0.00	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	0.78	0.00	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	-13.85	-0.01	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+L	Outer_Full	VN	NT	-9.39	0.00	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+L	Outer_Full	VN	NT	-12.73	-0.01	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+M	Outer_Full	VN	NT	6.25	0.00	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+M	Outer_Full	VN	NT	3.58	0.00	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+H	Outer_Full	VN	NT	-21.93	-0.01	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+H	Outer_Full	VN	NT	-12.83	0.00	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+L	Outer_Full	VN	NT	-13.50	-0.01	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+L	Outer_Full	VN	NT	-14.86	-0.01	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+M	Outer_Full	VN	NT	-1.37	0.00	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+M	Outer_Full	VN	NT	-10.21	0.00	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+H	Outer_Full	VN	NT	2.58	0.00	PASS

DC_2A_n41A	30	5+60	CP-16QAM	M+H	Outer_Full	VN	NT	-6.51	0.00	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	VN	NT	-7.72	0.00	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	VN	NT	-21.37	-0.01	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	VN	NT	-11.30	0.00	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	VN	NT	-11.52	0.00	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	VN	NT	-3.91	0.00	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	VN	NT	-4.22	0.00	PASS

### Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n41A	30	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-7.085789	-0.002828	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-14.971462	-0.005974	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-1.941003	-0.000749	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	4.216678	0.001626	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-1.089182	-0.000406	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-11.325503	-0.004226	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+L	Outer_Full	NV	TN	-5.541795	-0.002203	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+L	Outer_Full	NV	TN	-0.687880	-0.000273	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+M	Outer_Full	NV	TN	-11.121892	-0.004289	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+M	Outer_Full	NV	TN	-4.822158	-0.001860	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+H	Outer_Full	NV	TN	-17.418005	-0.006524	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+H	Outer_Full	NV	TN	0.797064	0.000299	PASS

n41A										
DC_2A_ n41A	30	5+60	CP-QPSK	M+L	Outer_Full	NV	TN	-8.644383	-0.003422	PASS
DC_2A_ n41A	30	5+60	CP-16QAM	M+L	Outer_Full	NV	TN	-15.969675	-0.006322	PASS
DC_2A_ n41A	30	5+60	CP-QPSK	M+M	Outer_Full	NV	TN	-0.485394	-0.000187	PASS
DC_2A_ n41A	30	5+60	CP-16QAM	M+M	Outer_Full	NV	TN	-9.376601	-0.003616	PASS
DC_2A_ n41A	30	5+60	CP-QPSK	M+H	Outer_Full	NV	TN	11.244934	0.004227	PASS
DC_2A_ n41A	30	5+60	CP-16QAM	M+H	Outer_Full	NV	TN	-7.033768	-0.002644	PASS
DC_2A_ n41A	30	5+100	CP-QPSK	M+L	Outer_Full	NV	TN	-9.076241	-0.003565	PASS
DC_2A_ n41A	30	5+100	CP-16QAM	M+L	Outer_Full	NV	TN	-6.477082	-0.002544	PASS
DC_2A_ n41A	30	5+100	CP-QPSK	M+M	Outer_Full	NV	TN	-10.595201	-0.004086	PASS
DC_2A_ n41A	30	5+100	CP-16QAM	M+M	Outer_Full	NV	TN	-7.240687	-0.002792	PASS
DC_2A_ n41A	30	5+100	CP-QPSK	M+H	Outer_Full	NV	TN	-2.022125	-0.000766	PASS
DC_2A_ n41A	30	5+100	CP-16QAM	M+H	Outer_Full	NV	TN	-7.550825	-0.002860	PASS