



























## 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	-14.19	-0.01	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-24.78	-0.01	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	7.61	0.00	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-9.79	0.00	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	5.79	0.00	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	8.90	0.00	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+L	Outer_Full	VN	NT	-9.94	0.00	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+L	Outer_Full	VN	NT	-19.12	-0.01	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+M	Outer_Full	VN	NT	-5.18	0.00	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+M	Outer_Full	VN	NT	-13.25	-0.01	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+H	Outer_Full	VN	NT	-1.72	0.00	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+H	Outer_Full	VN	NT	5.33	0.00	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+L	Outer_Full	VN	NT	-11.53	0.00	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+L	Outer_Full	VN	NT	-0.57	0.00	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+M	Outer_Full	VN	NT	2.26	0.00	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+M	Outer_Full	VN	NT	9.00	0.00	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+H	Outer_Full	VN	NT	11.25	0.00	PASS

DC_2A_n41A	30	5+60	CP-16QAM	M+H	Outer_Full	VN	NT	3.68	0.00	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	VN	NT	-11.46	0.00	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	VN	NT	-2.03	0.00	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	VN	NT	1.07	0.00	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	VN	NT	-15.93	-0.01	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	VN	NT	-13.69	-0.01	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	VN	NT	-6.19	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	-16.859066	-0.006727	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-19.963362	-0.007966	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-7.906322	-0.003049	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-1.649952	-0.000636	PASS
DC_2A_n41A	30	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-13.896259	-0.005185	PASS
DC_2A_n41A	30	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-3.915409	-0.001461	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+L	Outer_Full	NV	TN	-10.547080	-0.004192	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+L	Outer_Full	NV	TN	1.431486	0.000569	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+M	Outer_Full	NV	TN	-2.435120	-0.000939	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+M	Outer_Full	NV	TN	4.171458	0.001609	PASS
DC_2A_n41A	30	5+40	CP-QPSK	M+H	Outer_Full	NV	TN	-3.395897	-0.001272	PASS
DC_2A_n41A	30	5+40	CP-16QAM	M+H	Outer_Full	NV	TN	-5.267616	-0.001973	PASS

n41A										
DC_2A_n41A	30	5+60	CP-QPSK	M+L	Outer_Full	NV	TN	-5.998550	-0.002375	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+L	Outer_Full	NV	TN	-21.660387	-0.008575	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+M	Outer_Full	NV	TN	1.810539	0.000698	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+M	Outer_Full	NV	TN	-8.364614	-0.003226	PASS
DC_2A_n41A	30	5+60	CP-QPSK	M+H	Outer_Full	NV	TN	-7.904960	-0.002972	PASS
DC_2A_n41A	30	5+60	CP-16QAM	M+H	Outer_Full	NV	TN	0.114507	0.000043	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	NV	TN	-16.647411	-0.006539	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	NV	TN	-23.478292	-0.009222	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	NV	TN	-7.274045	-0.002805	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	NV	TN	-12.768238	-0.004924	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	NV	TN	-18.173643	-0.006884	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	NV	TN	-16.083899	-0.006092	PASS