







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_n71A	15	5+5	CP-QPSK	M+L	Outer_Full	VN	NT	-3.18	0.00	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	-2.55	0.00	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-3.51	-0.01	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	0.08	0.00	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	-4.91	-0.01	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	-3.24	0.00	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	1.44	0.00	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	2.61	0.00	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	-0.25	0.00	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	-5.31	-0.01	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	0.66	0.00	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	-1.85	0.00	PASS
DC_2A_n71A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	1.41	0.00	PASS
DC_2A_n71A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	2.16	0.00	PASS
DC_2A_n71A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	-3.01	0.00	PASS
DC_2A_n71A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	-5.67	-0.01	PASS
DC_2A_n71A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	-2.13	0.00	PASS

DC_2A_n71A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	3.80	0.01	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	3.72	0.01	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-2.45	0.00	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-5.07	-0.01	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-4.31	-0.01	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-0.59	0.00	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	-0.22	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n71A	15	5+5	CP-QPSK	M+L	Outer_Full	NV	TN	-5.907937	-0.008877	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	-4.511274	-0.006779	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	-1.760579	-0.002587	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	-4.930200	-0.007245	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	-4.075602	-0.005860	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	-3.060225	-0.004400	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	-0.632658	-0.000947	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	-0.469464	-0.000703	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	-3.954899	-0.005812	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	-0.776569	-0.001141	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	0.807783	0.001166	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	-0.841979	-0.001215	PASS

n71A										
DC_2A_ n71A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	0.017901	0.000027	PASS
DC_2A_ n71A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	1.682170	0.002509	PASS
DC_2A_ n71A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	-2.154686	-0.003166	PASS
DC_2A_ n71A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	-3.316009	-0.004873	PASS
DC_2A_ n71A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	1.888893	0.002736	PASS
DC_2A_ n71A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	5.784452	0.008377	PASS
DC_2A_ n71A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-1.826907	-0.002715	PASS
DC_2A_ n71A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	2.772047	0.004119	PASS
DC_2A_ n71A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-1.668831	-0.002452	PASS
DC_2A_ n71A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-5.155124	-0.007575	PASS
DC_2A_ n71A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	2.939485	0.004273	PASS
DC_2A_ n71A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-6.617204	-0.009618	PASS