







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_12A_n25A	15	5+5	CP-QPSK	M+L	Outer_Full	VN	NT	-5.98	0.00	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	-10.59	-0.01	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-11.45	-0.01	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	1.35	0.00	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	-11.19	-0.01	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	-10.42	-0.01	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	-8.85	0.00	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	-6.52	0.00	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	-9.22	0.00	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	-11.26	-0.01	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	0.43	0.00	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	3.87	0.00	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	7.75	0.00	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	1.22	0.00	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	-5.96	0.00	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	-2.51	0.00	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	-9.63	-0.01	PASS

DC_12A_n25A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	-8.96	0.00	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	0.30	0.00	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-7.27	0.00	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-12.89	-0.01	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-1.72	0.00	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-1.02	0.00	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	3.94	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_12A_n25A	15	5+5	CP-QPSK	M+L	Outer_Full	NV	TN	-8.713294	-0.004704	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	-1.846225	-0.000997	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	-7.664113	-0.004071	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	-12.714758	-0.006754	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	3.593191	0.001879	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	5.610195	0.002933	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	-2.530485	-0.001364	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	0.778636	0.000420	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	-15.274442	-0.008114	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	-12.596427	-0.006691	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	6.406172	0.003354	PASS
DC_12A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	2.698694	0.001413	PASS

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_n25A										
DC_12A _n25A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	10.450377	0.005626	PASS
DC_12A _n25A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	12.845066	0.006915	PASS
DC_12A _n25A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	-8.138826	-0.004323	PASS
DC_12A _n25A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	3.028032	0.001609	PASS
DC_12A _n25A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	6.383382	0.003346	PASS
DC_12A _n25A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	-0.883845	-0.000463	PASS
DC_12A _n25A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-5.955876	-0.003202	PASS
DC_12A _n25A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-1.692097	-0.000910	PASS
DC_12A _n25A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-0.048927	-0.000026	PASS
DC_12A _n25A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	4.426291	0.002351	PASS
DC_12A _n25A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-8.609017	-0.004519	PASS
DC_12A _n25A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-13.289702	-0.006976	PASS