







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	0.05	0.00	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	3.09	0.00	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-9.46	-0.01	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	-14.36	-0.01	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	-10.81	-0.01	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	-0.29	0.00	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	1.78	0.00	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	-7.95	0.00	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	-14.06	-0.01	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	3.15	0.00	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	1.69	0.00	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	2.01	0.00	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	12.83	0.01	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	-0.36	0.00	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	-13.53	-0.01	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	-11.55	-0.01	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	4.10	0.00	PASS

DC_12A_n25A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	3.98	0.00	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-2.38	0.00	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-3.52	0.00	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-17.87	-0.01	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-1.42	0.00	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-10.03	-0.01	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	1.22	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	1.074423	0.000580	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	-6.040517	-0.003261	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	-2.959958	-0.001572	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	-3.902982	-0.002073	PASS
DC_12A_n25A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	1.001325	0.000524	PASS
DC_12A_n25A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	-3.425821	-0.001791	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	-7.163722	-0.003862	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	1.523642	0.000821	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	-7.802631	-0.004145	PASS
DC_12A_n25A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	-7.305357	-0.003881	PASS
DC_12A_n25A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	8.251434	0.004320	PASS
DC_12A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	13.123728	0.006871	PASS

_n25A										
DC_12A_n25A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	14.030128	0.007553	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	5.358900	0.002885	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	6.726425	0.003573	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	-6.330220	-0.003363	PASS
DC_12A_n25A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	3.983379	0.002088	PASS
DC_12A_n25A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	-8.844830	-0.004637	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-4.345689	-0.002336	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	1.292461	0.000695	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	0.586548	0.000312	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	1.316581	0.000699	PASS
DC_12A_n25A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-14.292348	-0.007503	PASS
DC_12A_n25A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-15.324359	-0.008044	PASS