







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	-2.75	0.00	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	-6.52	-0.01	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-6.36	-0.01	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	-2.35	0.00	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	-3.59	-0.01	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	-2.34	0.00	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	-0.46	0.00	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	2.43	0.00	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	-4.64	-0.01	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	-3.66	-0.01	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	-2.50	0.00	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	-0.51	0.00	PASS
DC_2A_n71A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	-2.57	0.00	PASS
DC_2A_n71A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	-5.32	-0.01	PASS
DC_2A_n71A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	-0.05	0.00	PASS
DC_2A_n71A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	-4.04	-0.01	PASS
DC_2A_n71A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	2.32	0.00	PASS

DC_2A_n71A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	3.56	0.01	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-1.53	0.00	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-6.82	-0.01	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-5.88	-0.01	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-1.97	0.00	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-6.31	-0.01	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	-2.88	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	1.240012	0.001863	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	-5.806566	-0.008725	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	0.132908	0.000195	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	0.115163	0.000169	PASS
DC_2A_n71A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	0.558148	0.000803	PASS
DC_2A_n71A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	-4.960785	-0.007133	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	1.552083	0.002323	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	-3.739603	-0.005598	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	-0.933847	-0.001372	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	-3.521734	-0.005175	PASS
DC_2A_n71A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	2.232161	0.003221	PASS
DC_2A_n71A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	-3.133493	-0.004522	PASS

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n71A										
DC_2A_ n71A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	0.232030	0.000346	PASS
DC_2A_ n71A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	2.267782	0.003382	PASS
DC_2A_ n71A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	-1.758624	-0.002584	PASS
DC_2A_ n71A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	-1.532631	-0.002252	PASS
DC_2A_ n71A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	-3.509400	-0.005082	PASS
DC_2A_ n71A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	1.052357	0.001524	PASS
DC_2A_ n71A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-3.544112	-0.005266	PASS
DC_2A_ n71A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-6.485121	-0.009636	PASS
DC_2A_ n71A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-5.687118	-0.008357	PASS
DC_2A_ n71A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-5.254625	-0.007722	PASS
DC_2A_ n71A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-3.291923	-0.004785	PASS
DC_2A_ n71A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-5.962263	-0.008666	PASS