



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_71A_n66A	15	5+5	CP-QPSK	M+L	Outer_Full	VN	NT	-0.10	0.00	PASS
DC_71A_n66A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	15.50	0.01	PASS
DC_71A_n66A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-11.50	-0.01	PASS
DC_71A_n66A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	1.59	0.00	PASS
DC_71A_n66A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	9.17	0.01	PASS
DC_71A_n66A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	2.53	0.00	PASS
DC_71A_n66A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	2.08	0.00	PASS
DC_71A_n66A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	-4.89	0.00	PASS
DC_71A_n66A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	-9.12	-0.01	PASS
DC_71A_n66A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	6.32	0.00	PASS
DC_71A_n66A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	-7.80	0.00	PASS
DC_71A_n66A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	-1.94	0.00	PASS
DC_71A_n66A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	5.65	0.00	PASS
DC_71A_n66A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	5.94	0.00	PASS
DC_71A_n66A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	0.91	0.00	PASS
DC_71A_n66A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	0.80	0.00	PASS
DC_71A_n66A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	-10.81	-0.01	PASS

DC_71A_n66A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	-6.46	0.00	PASS
DC_71A_n66A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-4.07	0.00	PASS
DC_71A_n66A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-8.06	0.00	PASS
DC_71A_n66A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-3.42	0.00	PASS
DC_71A_n66A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	10.46	0.01	PASS
DC_71A_n66A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	11.22	0.01	PASS
DC_71A_n66A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	8.85	0.01	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_71A_n66A	15	5+5	CP-QPSK	M+L	Outer_Full	NV	TN	-0.489726	-0.000286	PASS
DC_71A_n66A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	2.903509	0.001695	PASS
DC_71A_n66A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	-9.100029	-0.005215	PASS
DC_71A_n66A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	-12.256343	-0.007024	PASS
DC_71A_n66A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	20.758945	0.011679	PASS
DC_71A_n66A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	14.089648	0.007927	PASS
DC_71A_n66A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	-4.113244	-0.002398	PASS
DC_71A_n66A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	-5.348623	-0.003119	PASS
DC_71A_n66A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	6.060048	0.003473	PASS
DC_71A_n66A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	2.790337	0.001599	PASS
DC_71A_n66A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	2.213091	0.001247	PASS
DC_71A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	-3.896178	-0.002195	PASS

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_n66A										
DC_71A _n66A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	4.482014	0.002610	PASS
DC_71A _n66A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	12.969428	0.007551	PASS
DC_71A _n66A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	-1.215852	-0.000697	PASS
DC_71A _n66A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	3.921797	0.002247	PASS
DC_71A _n66A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	-2.899313	-0.001636	PASS
DC_71A _n66A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	-3.887607	-0.002193	PASS
DC_71A _n66A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-6.840270	-0.003977	PASS
DC_71A _n66A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-3.358788	-0.001953	PASS
DC_71A _n66A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-9.024780	-0.005172	PASS
DC_71A _n66A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-8.724821	-0.005000	PASS
DC_71A _n66A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-0.725090	-0.000410	PASS
DC_71A _n66A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	6.864664	0.003878	PASS