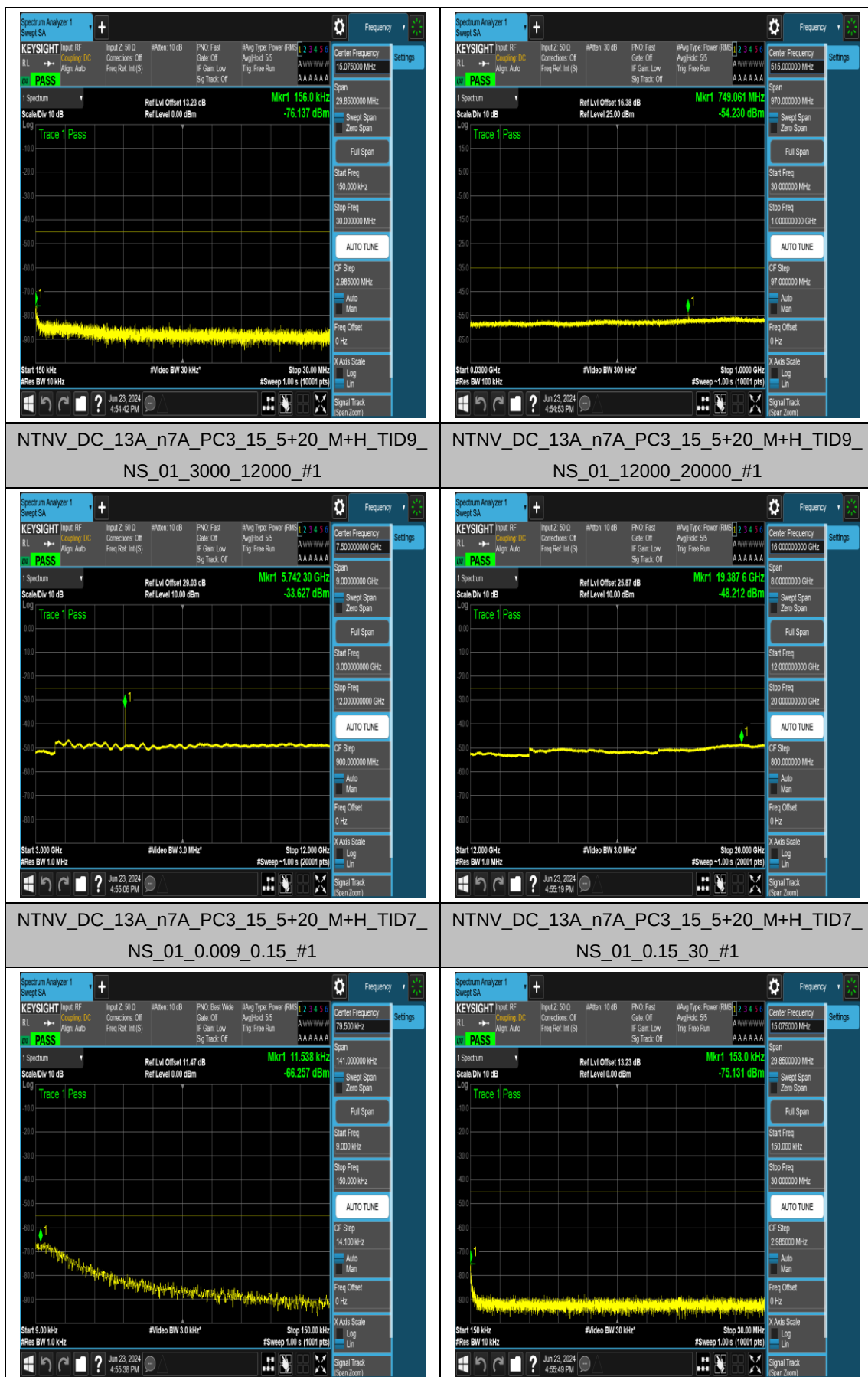
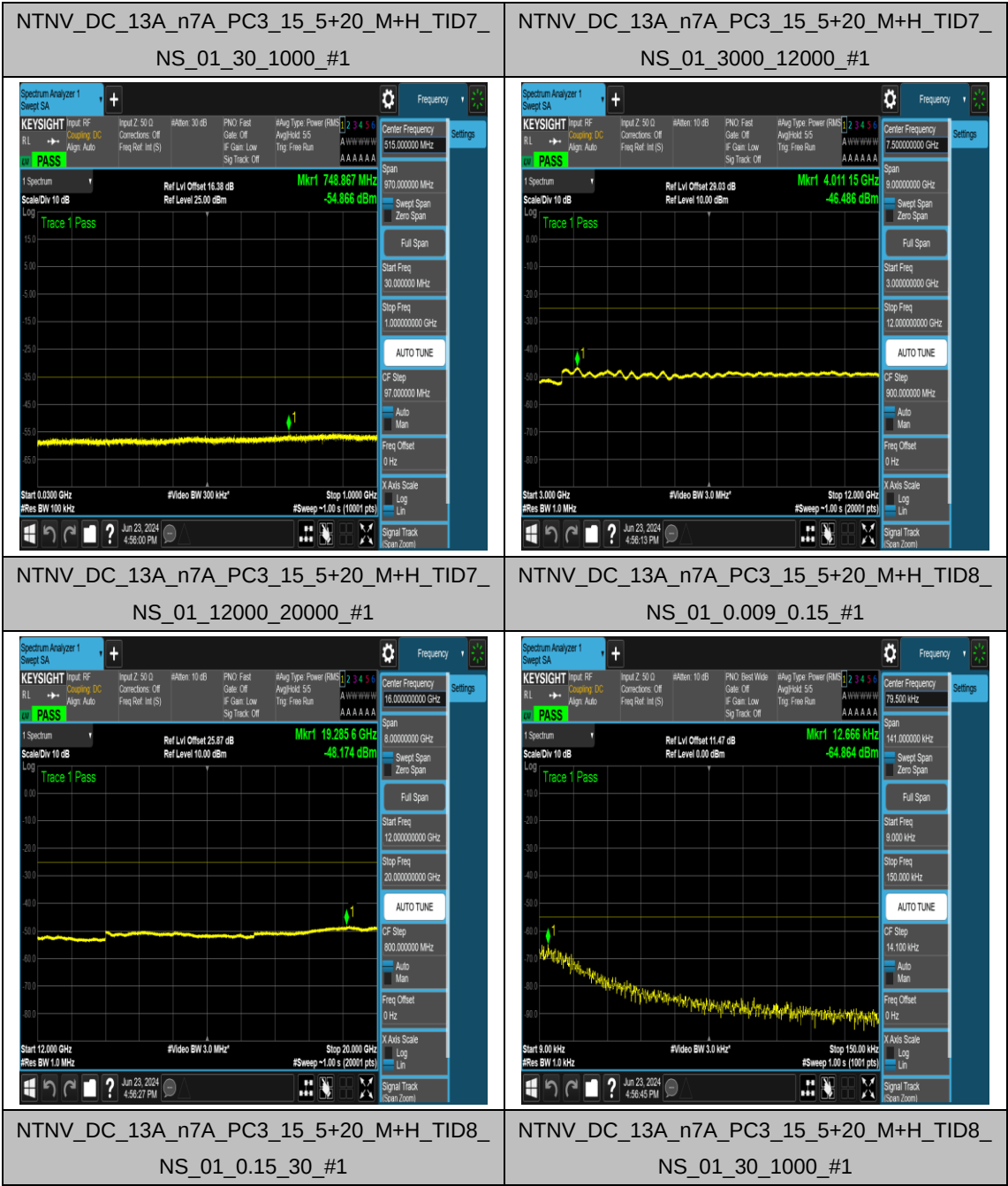
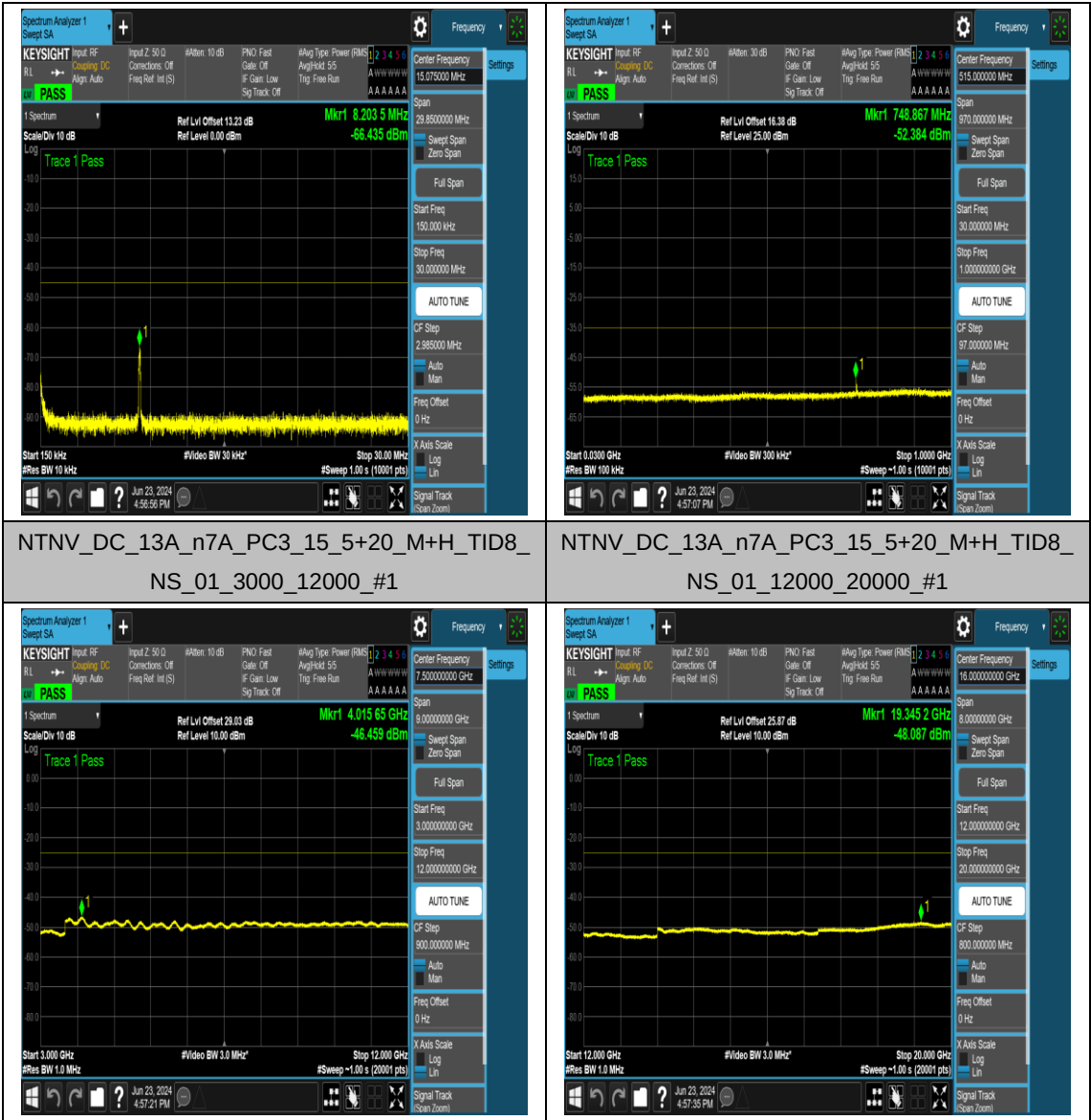




Waltek Testing Group (Shenzhen) Co., Ltd.

<http://www.waltek.com.cn>





Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	14.000000	0.005594	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	14.000000	0.005594	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	9.000000	0.003596	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	12.000000	0.004795	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	3.000000	0.001199	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	5.000000	0.001998	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	9.000000	0.003550	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	2.000000	0.000789	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	16.000000	0.006312	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	18.000000	0.007101	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	18.000000	0.007101	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	1.000000	0.000394	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	6.000000	0.002337	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	1.000000	0.000389	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	3.000000	0.001168	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	16.000000	0.006232	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	11.000000	0.004284	PASS
DC_13A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	13.000000	0.005063	PASS

_n7A										
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	3.000000	0.001198	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	4.000000	0.001597	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	19.000000	0.007585	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	13.000000	0.005190	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	1.000000	0.000399	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	6.000000	0.002395	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	12.000000	0.004734	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	6.000000	0.002367	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	1.000000	0.000394	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	8.000000	0.003156	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	7.000000	0.002761	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	9.000000	0.003550	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	7.000000	0.002729	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	1.000000	0.000390	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	3.000000	0.001170	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	10.000000	0.003899	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	13.000000	0.005068	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	15.000000	0.005848	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	12.000000	0.004786	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	4.000000	0.001595	PASS
DC_13A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	10.000000	0.003988	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	19.000000	0.007577	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	14.000000	0.005583	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	16.000000	0.006381	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	18.000000	0.007101	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	13.000000	0.005128	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	8.000000	0.003156	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	12.000000	0.004734	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	18.000000	0.007101	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	1.000000	0.000394	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	17.000000	0.006634	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	8.000000	0.003122	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	10.000000	0.003902	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	4.000000	0.001561	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	17.000000	0.006634	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	19.000000	0.007415	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	18.000000	0.007171	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	13.000000	0.005179	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	15.000000	0.005976	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	11.000000	0.004382	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	15.000000	0.005976	PASS
DC_13A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	17.000000	0.006773	PASS

_n7A										
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	17.000000	0.006706	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	15.000000	0.005917	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	7.000000	0.002761	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	9.000000	0.003550	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	8.000000	0.003156	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	19.000000	0.007495	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	2.000000	0.000781	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	9.000000	0.003516	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	11.000000	0.004297	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	14.000000	0.005469	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	8.000000	0.003125	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	6.000000	0.002344	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	4.000000	0.001598	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	3.000000	0.001199	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	12.000000	0.004795	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	7.000000	0.002797	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	10.000000	0.003996	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	8.000000	0.003197	PASS
DC_13A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	15.000000	0.005994	PASS

_n7A										
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	17.000000	0.006793	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	19.000000	0.007592	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	7.000000	0.002797	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	19.000000	0.007592	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	2.000000	0.000799	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	16.000000	0.006394	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	6.000000	0.002398	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	8.000000	0.003197	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	10.000000	0.003996	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	2.000000	0.000799	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	4.000000	0.001598	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	18.000000	0.007101	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	13.000000	0.005128	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	5.000000	0.001971	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	3.000000	0.001183	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	2.000000	0.000789	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	4.000000	0.001578	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	3.000000	0.001183	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	5.000000	0.001971	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	4.000000	0.001578	PASS
DC_13A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	3.000000	0.001183	PASS

_n7A										
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	2.000000	0.000789	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	4.000000	0.001578	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	13.000000	0.005128	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	12.000000	0.004734	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	14.000000	0.005523	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	17.000000	0.006706	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	16.000000	0.006312	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	15.000000	0.005917	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	2.000000	0.000779	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	10.000000	0.003895	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	9.000000	0.003505	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	11.000000	0.004284	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	4.000000	0.001558	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	6.000000	0.002337	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	4.000000	0.001558	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	6.000000	0.002337	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	5.000000	0.001947	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	15.000000	0.005842	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	7.000000	0.002726	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	9.000000	0.003505	PASS
DC_13A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	11.000000	0.004284	PASS

_n7A										
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	10.000000	0.003895	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	19.000000	0.007400	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	6.000000	0.002337	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	5.000000	0.001947	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	14.000000	0.005453	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	2.000000	0.000798	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	11.000000	0.004391	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	3.000000	0.001198	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	5.000000	0.001996	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	4.000000	0.001597	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	2.000000	0.000798	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	4.000000	0.001597	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	6.000000	0.002395	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	8.000000	0.003194	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	8.000000	0.003194	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	19.000000	0.007585	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	2.000000	0.000798	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	4.000000	0.001597	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	6.000000	0.002395	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	4.000000	0.001597	PASS
DC_13A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	18.000000	0.007186	PASS

_n7A										
DC_13A _n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	17.000000	0.006786	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	13.000000	0.005190	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	3.000000	0.001183	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	2.000000	0.000789	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	1.000000	0.000394	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	3.000000	0.001183	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	14.000000	0.005523	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	3.000000	0.001183	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	5.000000	0.001971	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	3.000000	0.001183	PASS
DC_13A _n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	9.000000	0.003550	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	1.000000	0.000394	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	3.000000	0.001183	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	1.000000	0.000394	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	10.000000	0.003944	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	2.000000	0.000789	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	11.000000	0.004339	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	6.000000	0.002367	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	5.000000	0.001971	PASS
DC_13A _n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	7.000000	0.002761	PASS
DC_13A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	14.000000	0.005458	PASS

_n7A										
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	10.000000	0.003899	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	15.000000	0.005848	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	17.000000	0.006628	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	16.000000	0.006238	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	11.000000	0.004288	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	13.000000	0.005068	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	15.000000	0.005848	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	17.000000	0.006628	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	14.000000	0.005458	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	16.000000	0.006238	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	11.000000	0.004288	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	13.000000	0.005068	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	12.000000	0.004678	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	14.000000	0.005458	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	12.000000	0.004678	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	11.000000	0.004288	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	6.000000	0.002339	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	12.000000	0.004786	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	13.000000	0.005184	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	12.000000	0.004786	PASS
DC_13A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	14.000000	0.005583	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	6.000000	0.002393	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	15.000000	0.005982	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	10.000000	0.003988	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	12.000000	0.004786	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	8.000000	0.003190	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	18.000000	0.007178	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	10.000000	0.003988	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	11.000000	0.004387	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	3.000000	0.001196	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	5.000000	0.001994	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	7.000000	0.002792	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	10.000000	0.003988	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	2.000000	0.000798	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	3.000000	0.001196	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	10.000000	0.003944	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	12.000000	0.004734	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	14.000000	0.005523	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	18.000000	0.007101	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	1.000000	0.000394	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	3.000000	0.001183	PASS
DC_13A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	2.000000	0.000789	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	4.000000	0.001578	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	6.000000	0.002367	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	4.000000	0.001578	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	14.000000	0.005523	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	16.000000	0.006312	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	18.000000	0.007101	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	17.000000	0.006706	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	18.000000	0.007101	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	11.000000	0.004339	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	13.000000	0.005128	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	4.000000	0.001578	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	13.000000	0.005073	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	11.000000	0.004293	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	3.000000	0.001171	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	5.000000	0.001951	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	4.000000	0.001561	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	6.000000	0.002341	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	17.000000	0.006634	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	1.000000	0.000390	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	11.000000	0.004293	PASS
DC_13A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	18.000000	0.007024	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	19.000000	0.007415	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	18.000000	0.007024	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	1.000000	0.000390	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	4.000000	0.001561	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	15.000000	0.005854	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	1.000000	0.000390	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	3.000000	0.001171	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	2.000000	0.000780	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	17.000000	0.006773	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	15.000000	0.005976	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	7.000000	0.002789	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	9.000000	0.003586	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	10.000000	0.003983	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	3.000000	0.001195	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	11.000000	0.004382	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	3.000000	0.001195	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	2.000000	0.000797	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	19.000000	0.007570	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	2.000000	0.000797	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	13.000000	0.005179	PASS
DC_13A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	13.000000	0.005179	PASS

_n7A										
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	6.000000	0.002390	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	8.000000	0.003187	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	9.000000	0.003586	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	17.000000	0.006773	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	10.000000	0.003983	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	10.000000	0.003944	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	12.000000	0.004734	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	14.000000	0.005523	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	17.000000	0.006706	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	9.000000	0.003550	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	12.000000	0.004734	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	17.000000	0.006706	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	19.000000	0.007495	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	18.000000	0.007101	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	1.000000	0.000394	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	12.000000	0.004734	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	5.000000	0.001971	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	7.000000	0.002761	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	9.000000	0.003550	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	12.000000	0.004734	PASS
DC_13A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	11.000000	0.004339	PASS

_n7A										
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	13.000000	0.005128	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	11.000000	0.004339	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	13.000000	0.005078	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	5.000000	0.001953	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	7.000000	0.002734	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	18.000000	0.007031	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	7.000000	0.002734	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	10.000000	0.003906	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	2.000000	0.000781	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	4.000000	0.001563	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	14.000000	0.005469	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	8.000000	0.003125	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	7.000000	0.002734	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	9.000000	0.003516	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	2.000000	0.000781	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	19.000000	0.007422	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	2.000000	0.000781	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	4.000000	0.001563	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	6.000000	0.002344	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	5.000000	0.001953	PASS