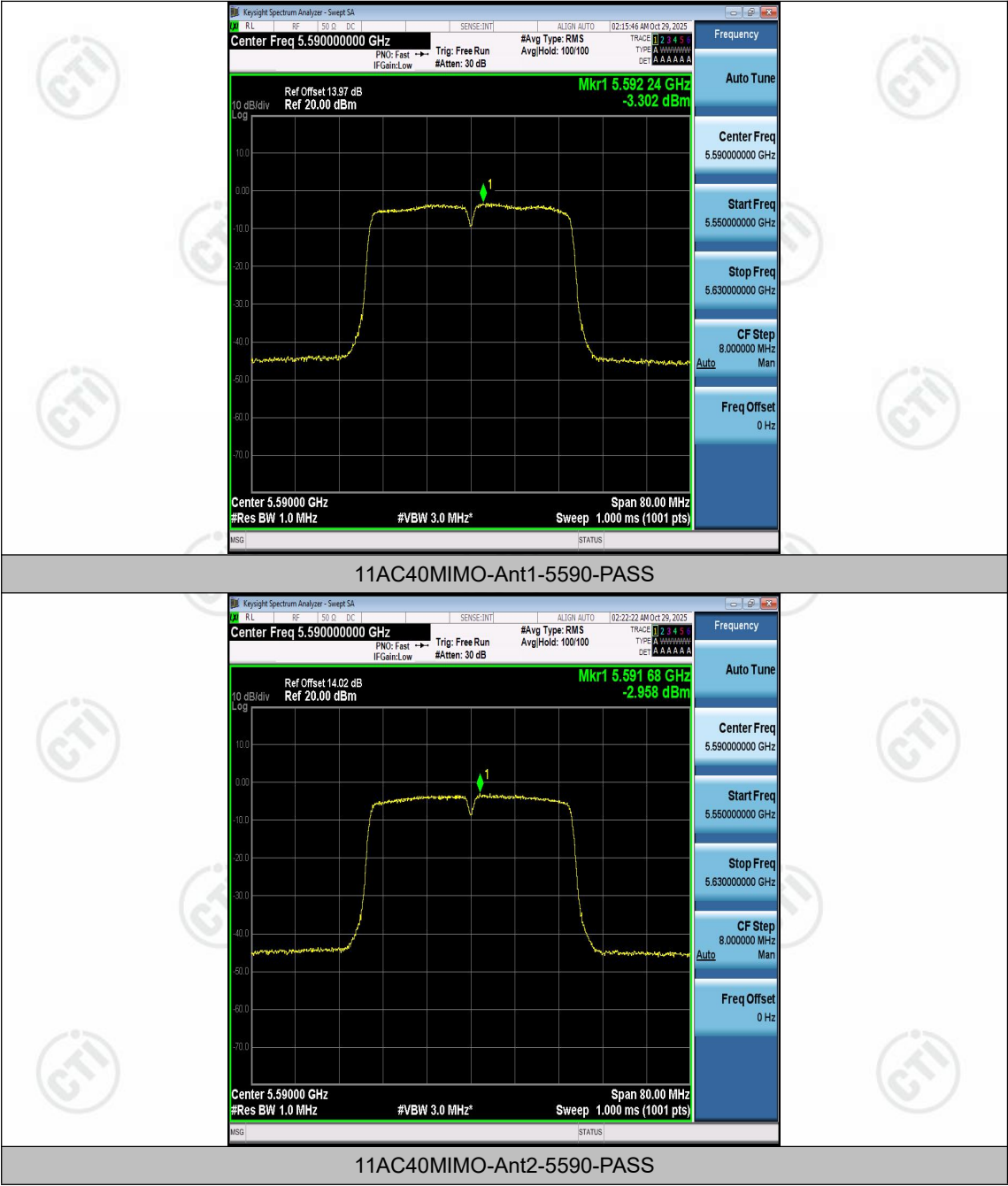
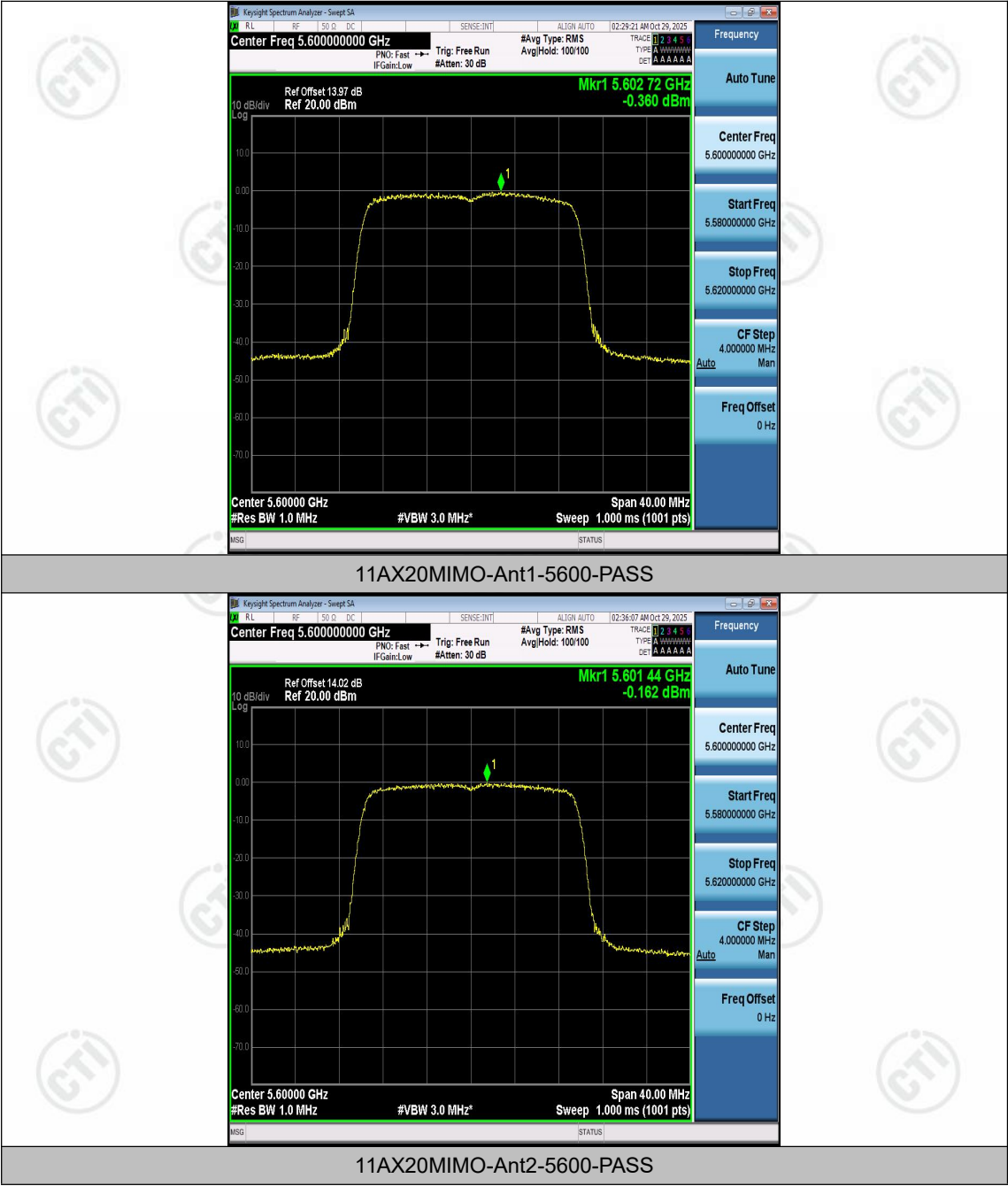
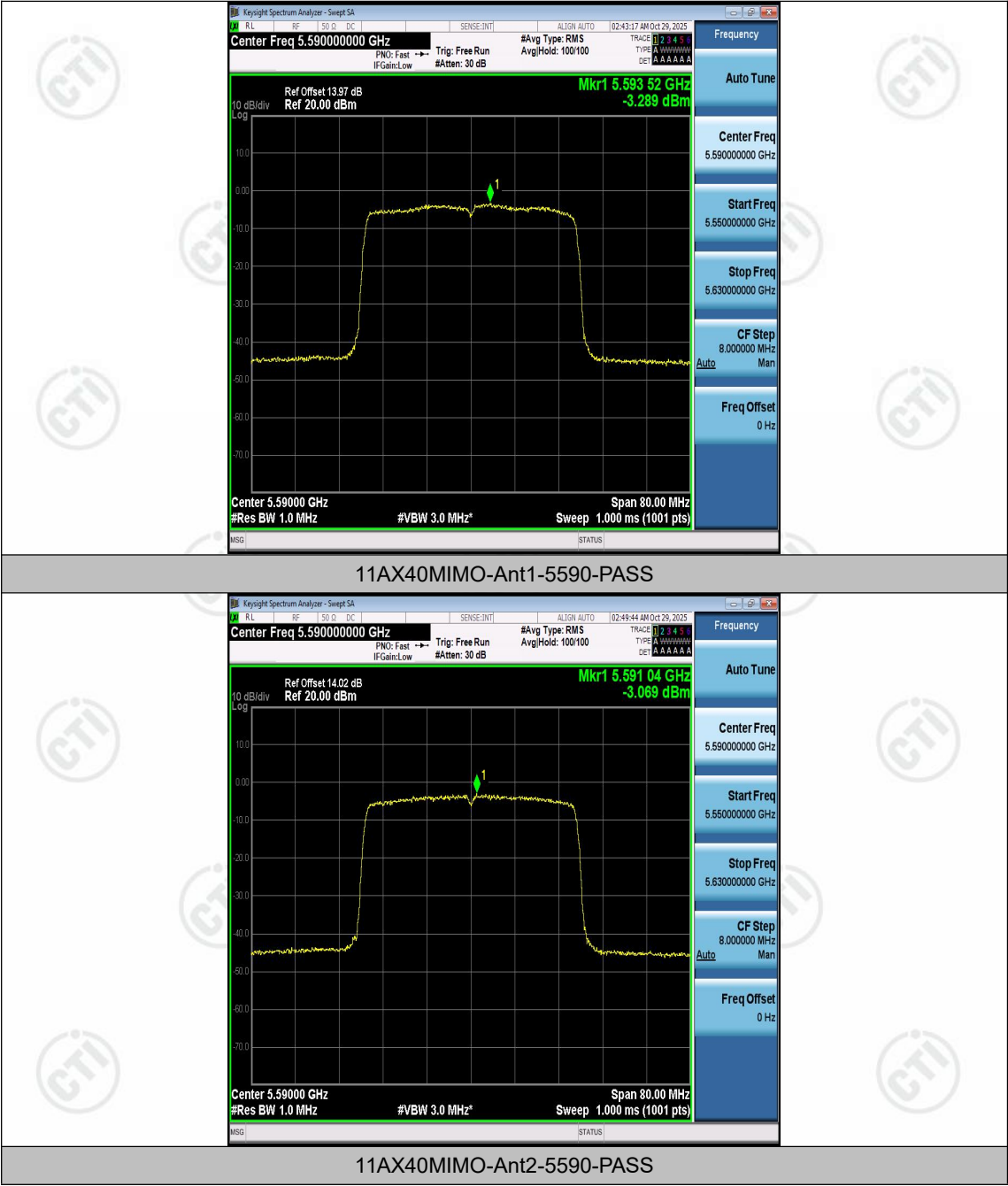








Appendix F: Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5600	NV	NT	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	LV	NT	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	HV	NT	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	NT	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	LV	NT	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	HV	NT	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant1	5600	NV	NT	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant1	5600	LV	NT	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant1	5600	HV	NT	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant2	5600	NV	NT	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant2	5600	LV	NT	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant2	5600	HV	NT	-20000.00	-3.571429	20	PASS
11N40MI MO	Ant1	5590	NV	NT	-40000.00	-7.155635	20	PASS
11N40MI MO	Ant1	5590	LV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	HV	NT	-40000.00	-7.155635	20	PASS
11N40MI MO	Ant2	5590	NV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	LV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	HV	NT	-40000.00	-7.155635	20	PASS
11AC20M IMO	Ant1	5600	NV	NT	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	LV	NT	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	HV	NT	-40000.00	-7.142857	20	PASS

11AC20M IMO	Ant2	5600	NV	NT	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant2	5600	LV	NT	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant2	5600	HV	NT	-40000.00	-7.142857	20	PASS
11AC40M IMO	Ant1	5590	NV	NT	-40000.00	-7.155635	20	PASS
11AC40M IMO	Ant1	5590	LV	NT	-40000.00	-7.155635	20	PASS
11AC40M IMO	Ant1	5590	HV	NT	-40000.00	-7.155635	20	PASS
11AC40M IMO	Ant2	5590	NV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	LV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	HV	NT	0.00	0.000000	20	PASS
11AX20M IMO	Ant1	5600	NV	NT	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant1	5600	LV	NT	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant1	5600	HV	NT	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant2	5600	NV	NT	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant2	5600	LV	NT	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant2	5600	HV	NT	-40000.00	-7.142857	20	PASS
11AX40M IMO	Ant1	5590	NV	NT	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	LV	NT	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	HV	NT	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	NT	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	LV	NT	-40000.00	-7.155635	20	PASS
11AX40M	Ant2	5590	HV	NT	-40000.00	-7.155635	20	PASS

IMO								
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TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5600	NV	-30	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	-20	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	-10	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	0	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	10	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	20	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	30	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	40	-20000.00	-3.571429	20	PASS
11A	Ant1	5600	NV	50	0.00	0.000000	20	PASS
11A	Ant2	5600	NV	-30	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	-20	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	-10	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	0	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	10	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	20	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	30	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	40	-20000.00	-3.571429	20	PASS
11A	Ant2	5600	NV	50	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant1	5600	NV	-30	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant1	5600	NV	-20	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant1	5600	NV	-10	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant1	5600	NV	0	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant1	5600	NV	10	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant1	5600	NV	20	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant1	5600	NV	30	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant1	5600	NV	40	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant1	5600	NV	50	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant2	5600	NV	-30	-20000.00	-3.571429	20	PASS

11N20MI MO	Ant2	5600	NV	-20	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant2	5600	NV	-10	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5600	NV	0	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5600	NV	10	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant2	5600	NV	20	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant2	5600	NV	30	-40000.00	-7.142857	20	PASS
11N20MI MO	Ant2	5600	NV	40	-20000.00	-3.571429	20	PASS
11N20MI MO	Ant2	5600	NV	50	-20000.00	-3.571429	20	PASS
11N40MI MO	Ant1	5590	NV	-30	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	NV	-20	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	NV	-10	-40000.00	-7.155635	20	PASS
11N40MI MO	Ant1	5590	NV	0	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	NV	10	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	NV	20	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	NV	30	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5590	NV	40	-40000.00	-7.155635	20	PASS
11N40MI MO	Ant1	5590	NV	50	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	NV	-30	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	NV	-20	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	NV	-10	0.00	0.000000	20	PASS
11N40MI	Ant2	5590	NV	0	0.00	0.000000	20	PASS

MO								
11N40MI MO	Ant2	5590	NV	10	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	NV	20	-40000.00	-7.155635	20	PASS
11N40MI MO	Ant2	5590	NV	30	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5590	NV	40	-40000.00	-7.155635	20	PASS
11N40MI MO	Ant2	5590	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5600	NV	-30	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	NV	-20	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant1	5600	NV	-10	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant1	5600	NV	0	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	NV	10	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant1	5600	NV	20	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	NV	30	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	NV	40	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant1	5600	NV	50	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant2	5600	NV	-30	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant2	5600	NV	-20	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant2	5600	NV	-10	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant2	5600	NV	0	-40000.00	-7.142857	20	PASS
11AC20M IMO	Ant2	5600	NV	10	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant2	5600	NV	20	-40000.00	-7.142857	20	PASS

11AC20M IMO	Ant2	5600	NV	30	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant2	5600	NV	40	-20000.00	-3.571429	20	PASS
11AC20M IMO	Ant2	5600	NV	50	-20000.00	-3.571429	20	PASS
11AC40M IMO	Ant1	5590	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	20	-40000.00	-7.155635	20	PASS
11AC40M IMO	Ant1	5590	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5590	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	-20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	0	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	10	-40000.00	-7.155635	20	PASS
11AC40M IMO	Ant2	5590	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5590	NV	40	-40000.00	-7.155635	20	PASS
11AC40M	Ant2	5590	NV	50	0.00	0.000000	20	PASS

IMO								
11AX20M IMO	Ant1	5600	NV	-30	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant1	5600	NV	-20	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant1	5600	NV	-10	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant1	5600	NV	0	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant1	5600	NV	10	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant1	5600	NV	20	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant1	5600	NV	30	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant1	5600	NV	40	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant1	5600	NV	50	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant2	5600	NV	-30	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant2	5600	NV	-20	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant2	5600	NV	-10	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant2	5600	NV	0	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant2	5600	NV	10	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant2	5600	NV	20	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant2	5600	NV	30	-40000.00	-7.142857	20	PASS
11AX20M IMO	Ant2	5600	NV	40	-20000.00	-3.571429	20	PASS
11AX20M IMO	Ant2	5600	NV	50	-40000.00	-7.142857	20	PASS
11AX40M IMO	Ant1	5590	NV	-30	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	-20	-40000.00	-7.155635	20	PASS

11AX40M IMO	Ant1	5590	NV	-10	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	0	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	10	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	20	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	30	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	40	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant1	5590	NV	50	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	-30	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	-20	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	-10	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	0	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	10	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	20	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	30	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	40	-40000.00	-7.155635	20	PASS
11AX40M IMO	Ant2	5590	NV	50	-40000.00	-7.155635	20	PASS

*** End of Report ***