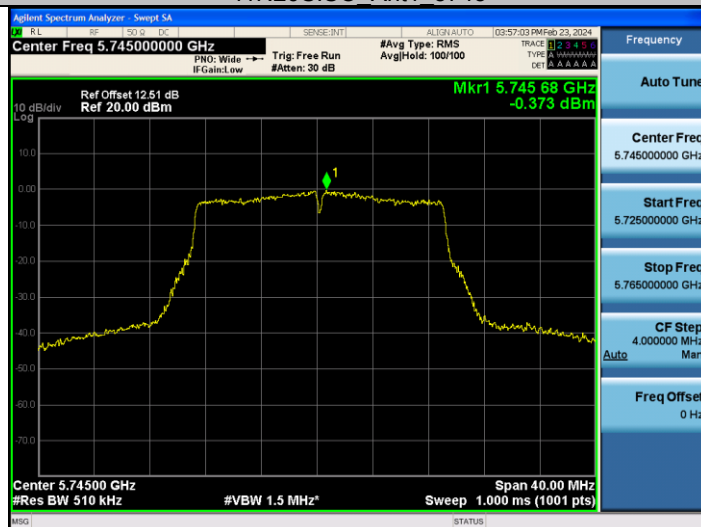
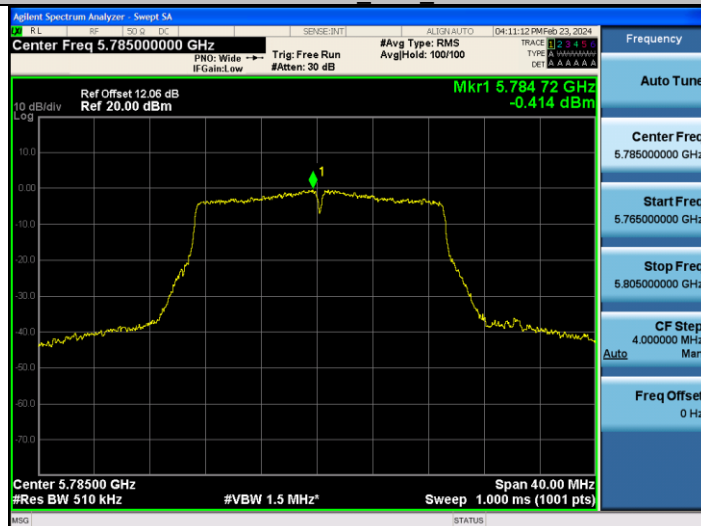


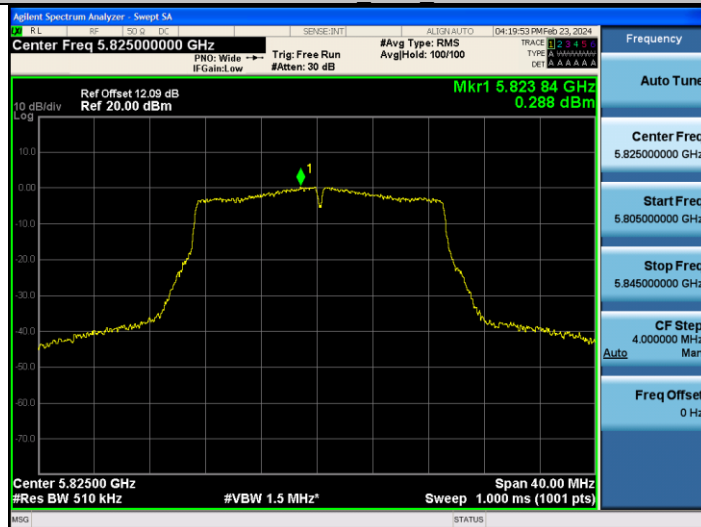
11N20SISO Ant1 5745

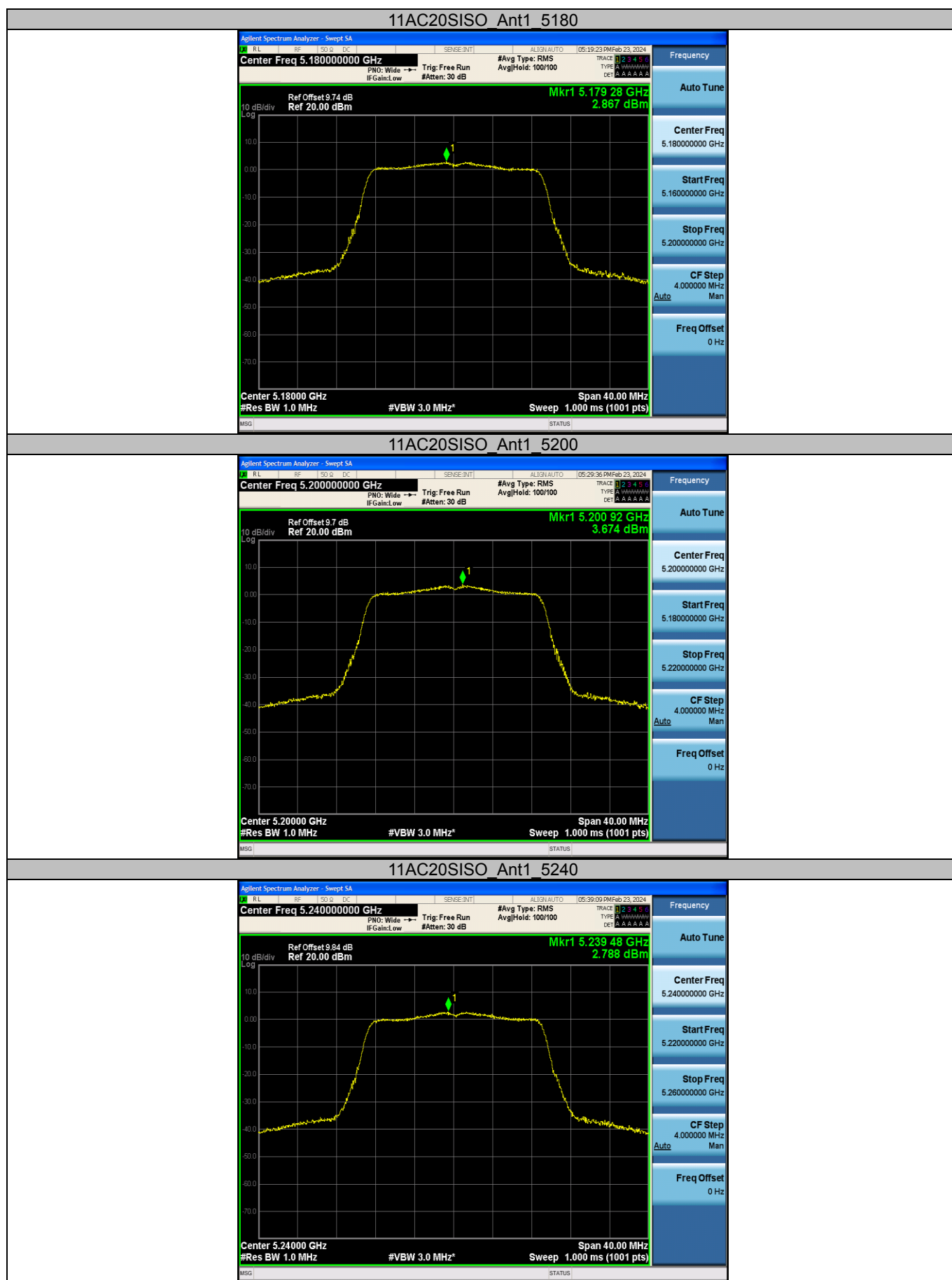


11N20SISO Ant1 5785



11N20SISO Ant1 5825





11AC20SISO Ant1 5745



11AC20SISO Ant1 5785



11AC20SISO Ant1 5825







Appendix E: Frequency Stability

Test Result

Test Mode	Antenna	Frequency [MHz]	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)				
11A	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.861004	20	PASS
			HV	NT	-40000.00	-7.722008	20	PASS
		5200	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.846154	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5745	NV	NT	20000.00	3.802281	20	PASS
			LV	NT	20000.00	3.802281	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
		5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	20000.00	3.787879	20	PASS
		5825	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.759398	20	PASS
11N20SISO	Ant1	5180	NV	NT	-20000.00	-3.636364	20	PASS
			LV	NT	-20000.00	-3.636364	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.584229	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	20000.00	3.508772	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
		5785	NV	NT	-20000.00	-3.457217	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-6.914434	20	PASS
		5825	NV	NT	-20000.00	-3.433476	20	PASS
			LV	NT	-20000.00	-3.433476	20	PASS
			HV	NT	-20000.00	-3.433476	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-20000.00	-3.787879	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	20000.00	3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	-20000.00	-3.636364	20	PASS
			LV	NT	-20000.00	-3.636364	20	PASS
			HV	NT	20000.00	3.636364	20	PASS
		5745	NV	NT	-20000.00	-3.584229	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.584229	20	PASS
		5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5825	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
11AC40SISO	Ant1	5190	NV	NT	-20000.00	-3.457217	20	PASS
			LV	NT	-20000.00	-3.457217	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.433476	20	PASS

		5755	HV	NT	0.00	0.000000	20	PASS
			NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5795	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	-40000.00	-7.590133	20	PASS
		5210	LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.590133	20	PASS
11AC80SIS O	Ant1	5775	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
		5775	HV	NT	-40000.00	-7.532957	20	PASS
			NV	NT	-40000.00	-7.532957	20	PASS
		5775	LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS

Temperature								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	20000.00	3.861004	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
		5200	NV	50	0.00	0.000000	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	20000.00	3.846154	20	PASS
			NV	10	-20000.00	-3.846154	20	PASS
			NV	20	20000.00	3.846154	20	PASS
			NV	30	20000.00	3.846154	20	PASS
		5240	NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
			NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	20000.00	3.816794	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
		5745	NV	30	20000.00	3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS
			NV	-10	20000.00	3.802281	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
		5785	NV	20	-20000.00	-3.802281	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.575758	20	PASS
			NV	0	0.00	0.000000	20	PASS
		5825	NV	10	-20000.00	-3.787879	20	PASS
			NV	20	20000.00	3.787879	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	20000.00	3.787879	20	PASS
			NV	-30	-20000.00	-3.759398	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS

			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	20000.00	3.759398	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	0.00	0.000000	20	PASS
11N20SISO	Ant1	5180	NV	-30	-20000.00	-3.636364	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.636364	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	-20000.00	-3.636364	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5200	NV	-30	20000.00	3.584229	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.584229	20	PASS
		5240	NV	-30	-20000.00	-3.508772	20	PASS
			NV	-20	-20000.00	-3.508772	20	PASS
			NV	-10	-20000.00	-3.508772	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	20000.00	3.508772	20	PASS
			NV	30	20000.00	3.508772	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5745	NV	-30	20000.00	3.481288	20	PASS
			NV	-20	-20000.00	-3.481288	20	PASS
			NV	-10	20000.00	3.481288	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
		5785	NV	-30	-20000.00	-3.457217	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5825	NV	-30	-40000.00	-6.866953	20	PASS
			NV	-20	-20000.00	-3.433476	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	20000.00	3.433476	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.433476	20	PASS
11AC20SIS O	Ant1	5180	NV	-30	-20000.00	-3.787879	20	PASS
			NV	-20	-20000.00	-3.787879	20	PASS
			NV	-10	-20000.00	-3.787879	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	20000.00	3.787879	20	PASS
			NV	30	20000.00	3.787879	20	PASS
			NV	40	-40000.00	-7.575758	20	PASS

		5200	NV	50	-40000.00	-7.575758	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	20000.00	3.759398	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.518797	20	PASS
		5240	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.272727	20	PASS
			NV	0	-20000.00	-3.636364	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.636364	20	PASS
		5745	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-20000.00	-3.584229	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.584229	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5785	NV	-30	20000.00	3.508772	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-20000.00	-3.508772	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.508772	20	PASS
		5825	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
		11AC40SIS O	Ant1	5190	NV	-30	20000.00	3.457217
NV	-20				-20000.00	-3.457217	20	PASS
NV	-10				0.00	0.000000	20	PASS
NV	0				0.00	0.000000	20	PASS
NV	10				-20000.00	-3.457217	20	PASS
NV	20				0.00	0.000000	20	PASS
NV	30				0.00	0.000000	20	PASS
NV	40				20000.00	3.457217	20	PASS
NV	50				0.00	0.000000	20	PASS
5230	NV			-30	-20000.00	-3.433476	20	PASS
	NV		-20	-20000.00	-3.433476	20	PASS	
	NV		-10	-20000.00	-3.433476	20	PASS	
	NV		0	-40000.00	-6.866953	20	PASS	
	NV		10	-20000.00	-3.433476	20	PASS	
	NV		20	-40000.00	-6.866953	20	PASS	
	NV		30	0.00	0.000000	20	PASS	
	NV		40	-20000.00	-3.433476	20	PASS	
	NV		50	20000.00	3.433476	20	PASS	
5755	NV		-30	0.00	0.000000	20	PASS	
	NV		-20	-40000.00	-7.707129	20	PASS	
	NV	-10	0.00	0.000000	20	PASS		

			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5795	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
11AC80SIS O	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	-40000.00	-7.590133	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	-40000.00	-7.590133	20	PASS
		5775	NV	50	0.00	0.000000	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.532957	20	PASS

----End of Report----