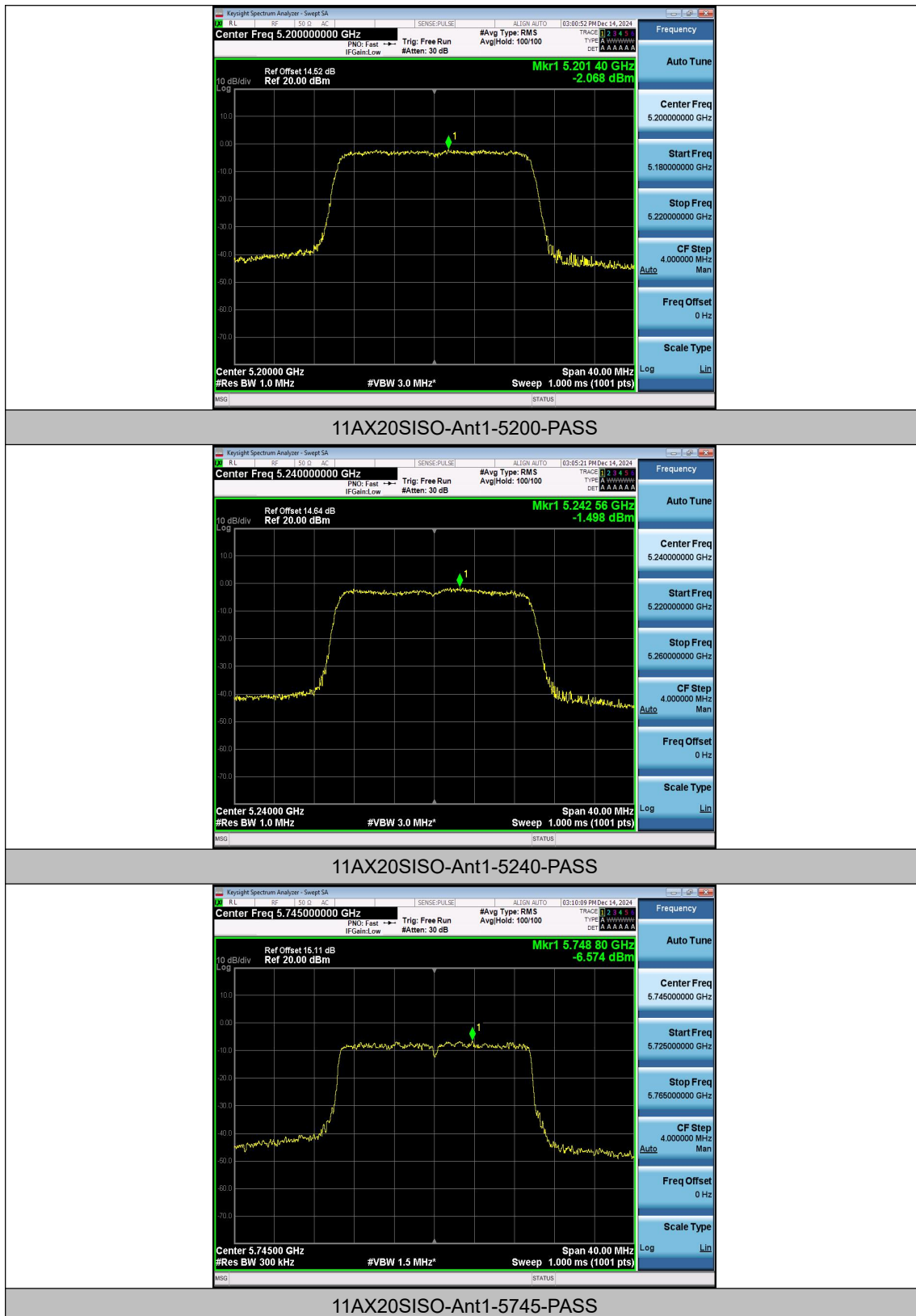
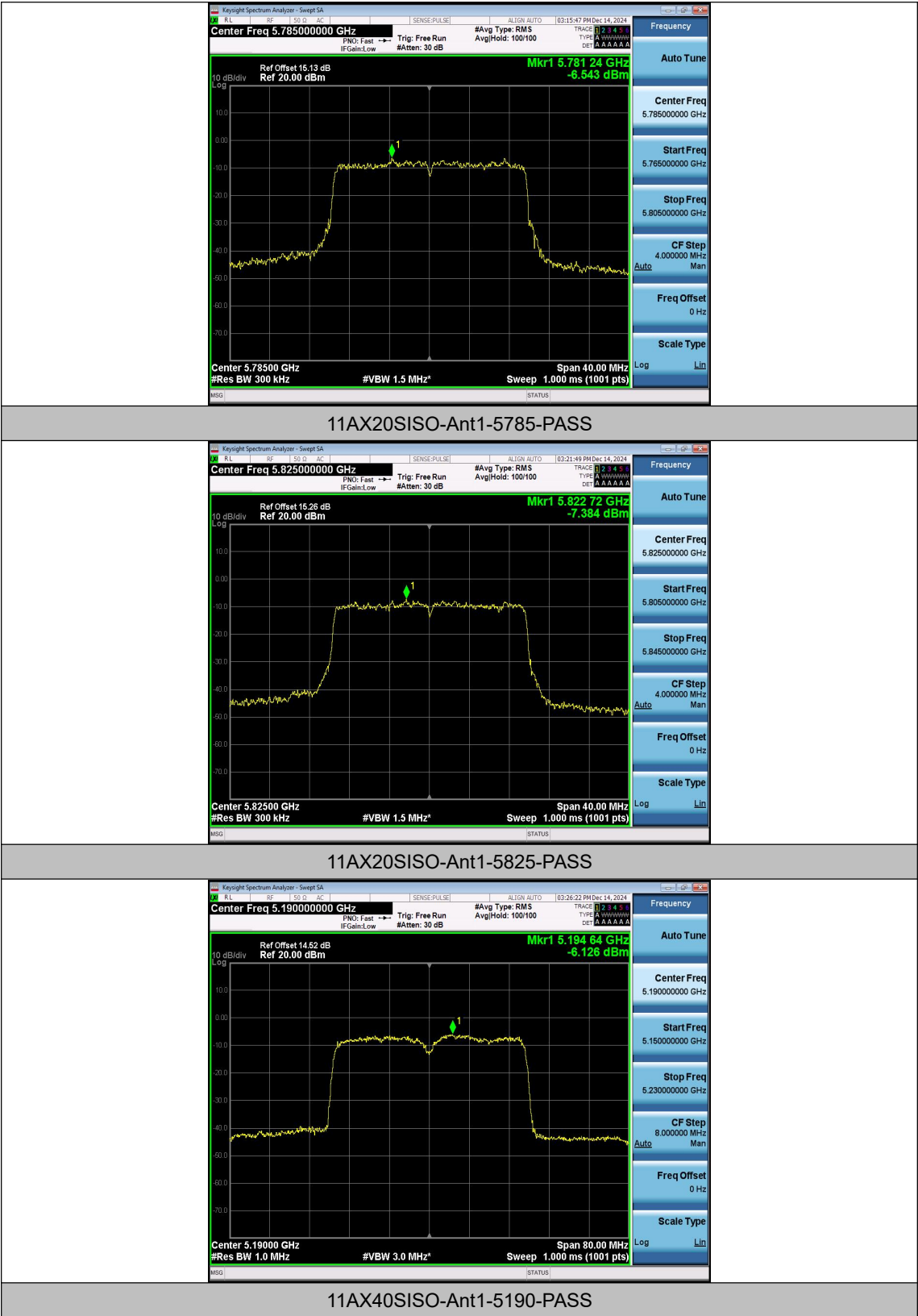
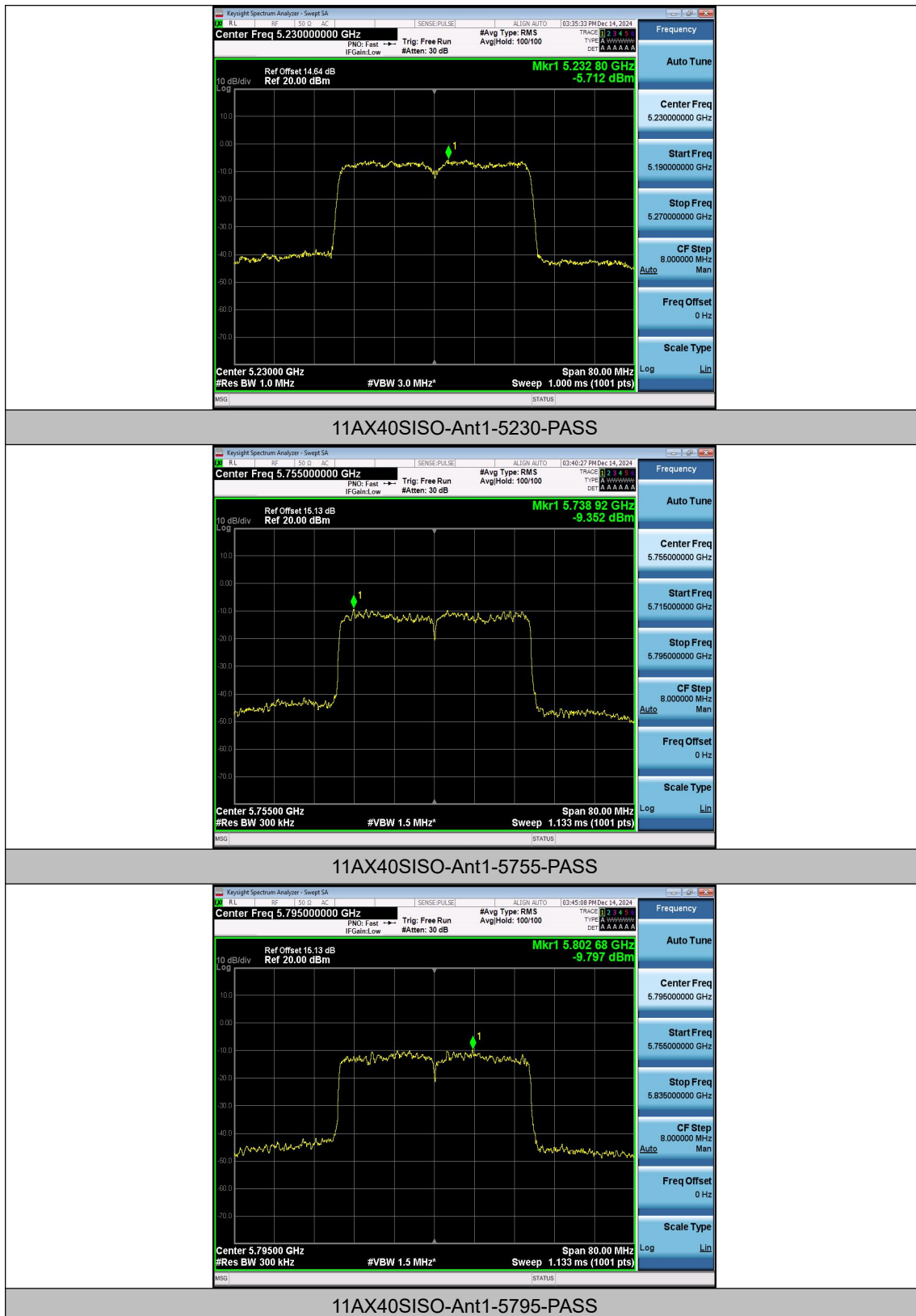








Appendix E: Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	LV	NT	0.00	0.000000	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	HV	NT	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	NT	0.00	0.000000	20	PASS
11A	Ant1	5240	LV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5745	NV	NT	20000.00	3.481288	20	PASS
11A	Ant1	5745	LV	NT	20000.00	3.481288	20	PASS
11A	Ant1	5745	HV	NT	20000.00	3.481288	20	PASS
11A	Ant1	5785	NV	NT	0.00	0.000000	20	PASS
11A	Ant1	5785	LV	NT	40000.00	6.914434	20	PASS
11A	Ant1	5785	HV	NT	20000.00	3.457217	20	PASS
11A	Ant1	5825	NV	NT	40000.00	6.866953	20	PASS
11A	Ant1	5825	LV	NT	40000.00	6.866953	20	PASS
11A	Ant1	5825	HV	NT	40000.00	6.866953	20	PASS
11N20SISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11N20SISO	Ant1	5200	LV	NT	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11N20SISO	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11N20SISO	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS

O								
11N20SIS O	Ant1	5745	LV	NT	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	HV	NT	-20000.00	-3.481288	20	PASS
11N20SIS O	Ant1	5785	NV	NT	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	LV	NT	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	HV	NT	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5825	NV	NT	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	LV	NT	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	HV	NT	-40000.00	-6.866953	20	PASS
11N40SIS O	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	LV	NT	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	HV	NT	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5795	NV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5795	LV	NT	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS
11AC20SI SO	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS

11AC20SI SO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5745	NV	NT	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11AC20SI SO	Ant1	5745	HV	NT	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5785	NV	NT	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	LV	NT	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	HV	NT	-20000.00	-3.457217	20	PASS
11AC20SI SO	Ant1	5825	NV	NT	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	LV	NT	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	HV	NT	-40000.00	-6.866953	20	PASS
11AC40SI SO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
11AC40SI	Ant1	5230	LV	NT	0.00	0.000000	20	PASS

SO								
11AC40SI SO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	LV	NT	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	HV	NT	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	LV	NT	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS
11AX20SI SO	Ant1	5180	NV	NT	20000.00	3.861004	20	PASS
11AX20SI SO	Ant1	5180	LV	NT	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	HV	NT	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5200	NV	NT	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5200	LV	NT	20000.00	3.846154	20	PASS
11AX20SI SO	Ant1	5200	HV	NT	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5240	NV	NT	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	LV	NT	20000.00	3.816794	20	PASS
11AX20SI SO	Ant1	5240	HV	NT	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5745	NV	NT	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5745	LV	NT	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5745	HV	NT	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5785	NV	NT	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	LV	NT	40000.00	6.914434	20	PASS

11AX20SI SO	Ant1	5785	HV	NT	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5825	NV	NT	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	LV	NT	20000.00	3.433476	20	PASS
11AX20SI SO	Ant1	5825	HV	NT	40000.00	6.866953	20	PASS
11AX40SI SO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11AX40SI SO	Ant1	5190	HV	NT	120000.00	17.121387	20	PASS
11AX40SI SO	Ant1	5230	NV	NT	40000.00	7.648184	20	PASS
11AX40SI SO	Ant1	5230	LV	NT	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11AX40SI SO	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5755	LV	NT	80000.00	13.900956	20	PASS
11AX40SI SO	Ant1	5755	HV	NT	40000.00	6.950478	20	PASS
11AX40SI SO	Ant1	5795	NV	NT	80000.00	13.805004	20	PASS
11AX40SI SO	Ant1	5795	LV	NT	40000.00	6.902502	20	PASS
11AX40SI SO	Ant1	5795	HV	NT	40000.00	6.902502	20	PASS

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	0.00	0.000000	20	PASS

11A	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant1	5200	NV	-30	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	20	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	30	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	40	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	50	-20000.00	-3.846154	20	PASS
11A	Ant1	5240	NV	-30	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	30	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11A	Ant1	5745	NV	-30	40000.00	6.962576	20	PASS
11A	Ant1	5745	NV	-20	40000.00	6.962576	20	PASS
11A	Ant1	5745	NV	-10	40000.00	6.962576	20	PASS
11A	Ant1	5745	NV	0	20000.00	3.481288	20	PASS
11A	Ant1	5745	NV	10	20000.00	3.481288	20	PASS
11A	Ant1	5745	NV	20	40000.00	6.962576	20	PASS
11A	Ant1	5745	NV	30	20000.00	3.481288	20	PASS
11A	Ant1	5745	NV	40	20000.00	3.481288	20	PASS
11A	Ant1	5745	NV	50	20000.00	3.481288	20	PASS
11A	Ant1	5785	NV	-30	40000.00	6.914434	20	PASS
11A	Ant1	5785	NV	-20	20000.00	3.457217	20	PASS
11A	Ant1	5785	NV	-10	40000.00	6.914434	20	PASS
11A	Ant1	5785	NV	0	40000.00	6.914434	20	PASS
11A	Ant1	5785	NV	10	20000.00	3.457217	20	PASS
11A	Ant1	5785	NV	20	20000.00	3.457217	20	PASS
11A	Ant1	5785	NV	30	40000.00	6.914434	20	PASS
11A	Ant1	5785	NV	40	20000.00	3.457217	20	PASS
11A	Ant1	5785	NV	50	40000.00	6.914434	20	PASS
11A	Ant1	5825	NV	-30	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	-20	20000.00	3.433476	20	PASS
11A	Ant1	5825	NV	-10	20000.00	3.433476	20	PASS
11A	Ant1	5825	NV	0	40000.00	6.866953	20	PASS
11A	Ant1	5825	NV	10	40000.00	6.866953	20	PASS

11A	Ant1	5825	NV	20	40000.00	6.866953	20	PASS
11A	Ant1	5825	NV	30	40000.00	6.866953	20	PASS
11A	Ant1	5825	NV	40	20000.00	3.433476	20	PASS
11A	Ant1	5825	NV	50	40000.00	6.866953	20	PASS
11N20SIS O	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	-20	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	10	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	0	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	10	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	40	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS
11N20SIS	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS

O								
11N20SIS O	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	10	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	20	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5240	NV	30	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	-20	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	-10	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	10	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	20	-60000.00	-10.443864	20	PASS
11N20SIS O	Ant1	5745	NV	30	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11N20SIS O	Ant1	5745	NV	50	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	-20	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	-10	-20000.00	-3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	0	-20000.00	-3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	10	-40000.00	-6.914434	20	PASS

11N20SIS O	Ant1	5785	NV	20	-20000.00	-3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	30	-20000.00	-3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	40	-20000.00	-3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	50	-20000.00	-3.457217	20	PASS
11N20SIS O	Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	-20	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	-10	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	0	-20000.00	-3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	10	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	20	-20000.00	-3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	30	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	40	-20000.00	-3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	50	-20000.00	-3.433476	20	PASS
11N40SIS O	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	-20	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	0	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	20	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	30	40000.00	7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	40	-80000.00	-15.414258	20	PASS
11N40SIS	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS

O								
11N40SIS O	Ant1	5230	NV	-30	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	-20	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	-10	40000.00	7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	10	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	-20	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	10	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	20	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	30	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	40	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	50	-200000.00	-3.752389	20	PASS
11N40SIS O	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	-20	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5795	NV	-10	-40000.00	-6.902502	20	PASS

11N40SIS O	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	10	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5795	NV	20	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	30	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	40	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11AC20SI SO	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	-10	0.00	0.000000	20	PASS
11AC20SI SO	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11AC20SI SO	Ant1	5180	NV	10	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5200	NV	-30	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	-10	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	0	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	10	0.00	0.000000	20	PASS
11AC20SI SO	Ant1	5200	NV	20	0.00	0.000000	20	PASS
11AC20SI SO	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS

SO								
11AC20SI SO	Ant1	5200	NV	40	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	50	-60000.00	-11.538462	20	PASS
11AC20SI SO	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	-20	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	0	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	30	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	-20	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	-10	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	10	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	20	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	30	-60000.00	-10.443864	20	PASS
11AC20SI SO	Ant1	5745	NV	40	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	50	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5785	NV	-30	-60000.00	-10.371651	20	PASS

11AC20SI SO	Ant1	5785	NV	-20	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	-10	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	0	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	10	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	NV	20	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	NV	30	-20000.00	-3.457217	20	PASS
11AC20SI SO	Ant1	5785	NV	40	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	50	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	-20	-20000.00	-3.433476	20	PASS
11AC20SI SO	Ant1	5825	NV	-10	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	0	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	10	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	NV	20	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	NV	30	-20000.00	-3.433476	20	PASS
11AC20SI SO	Ant1	5825	NV	40	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	50	-60000.00	-10.300429	20	PASS
11AC40SI SO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	-10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	0	0.00	0.000000	20	PASS
11AC40SI	Ant1	5190	NV	10	-40000.00	-7.707129	20	PASS

SO								
11AC40SI SO	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	40	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	-10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	10	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	-20	-80000.00	-13.900956	20	PASS
11AC40SI SO	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	10	-80000.00	-13.900956	20	PASS
11AC40SI SO	Ant1	5755	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5755	NV	30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5755	NV	40	-40000.00	-6.950478	20	PASS

11AC40SI SO	Ant1	5755	NV	50	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	-20	-80000.00	-13.805004	20	PASS
11AC40SI SO	Ant1	5795	NV	-10	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5795	NV	20	-80000.00	-13.805004	20	PASS
11AC40SI SO	Ant1	5795	NV	30	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	40	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11AX20SI SO	Ant1	5180	NV	-30	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	NV	-20	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	NV	-10	20000.00	3.861004	20	PASS
11AX20SI SO	Ant1	5180	NV	0	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	NV	10	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	NV	20	20000.00	3.861004	20	PASS
11AX20SI SO	Ant1	5180	NV	30	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	NV	40	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5180	NV	50	40000.00	7.722008	20	PASS
11AX20SI SO	Ant1	5200	NV	-30	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5200	NV	-20	40000.00	7.692308	20	PASS
11AX20SI	Ant1	5200	NV	-10	40000.00	7.692308	20	PASS

SO								
11AX20SI SO	Ant1	5200	NV	0	20000.00	3.846154	20	PASS
11AX20SI SO	Ant1	5200	NV	10	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5200	NV	20	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5200	NV	30	20000.00	3.846154	20	PASS
11AX20SI SO	Ant1	5200	NV	40	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5200	NV	50	40000.00	7.692308	20	PASS
11AX20SI SO	Ant1	5240	NV	-30	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	-20	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	-10	20000.00	3.816794	20	PASS
11AX20SI SO	Ant1	5240	NV	0	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	10	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	20	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	30	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	40	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5240	NV	50	40000.00	7.633588	20	PASS
11AX20SI SO	Ant1	5745	NV	-30	20000.00	3.481288	20	PASS
11AX20SI SO	Ant1	5745	NV	-20	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5745	NV	-10	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5745	NV	0	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5745	NV	10	20000.00	3.481288	20	PASS
11AX20SI SO	Ant1	5745	NV	20	20000.00	3.481288	20	PASS

11AX20SI SO	Ant1	5745	NV	30	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5745	NV	40	20000.00	3.481288	20	PASS
11AX20SI SO	Ant1	5745	NV	50	40000.00	6.962576	20	PASS
11AX20SI SO	Ant1	5785	NV	-30	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	-20	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	-10	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	0	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	10	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	20	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	30	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	40	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5785	NV	50	40000.00	6.914434	20	PASS
11AX20SI SO	Ant1	5825	NV	-30	20000.00	3.433476	20	PASS
11AX20SI SO	Ant1	5825	NV	-20	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	NV	-10	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	NV	0	20000.00	3.433476	20	PASS
11AX20SI SO	Ant1	5825	NV	10	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	NV	20	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	NV	30	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	NV	40	40000.00	6.866953	20	PASS
11AX20SI SO	Ant1	5825	NV	50	40000.00	6.866953	20	PASS
11AX40SI	Ant1	5190	NV	-30	40000.00	7.707129	20	PASS

SO								
11AX40SI SO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5190	NV	-10	80000.00	15.414258	20	PASS
11AX40SI SO	Ant1	5190	NV	0	40000.00	7.707129	20	PASS
11AX40SI SO	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5190	NV	20	80000.00	15.414258	20	PASS
11AX40SI SO	Ant1	5190	NV	30	80000.00	15.414258	20	PASS
11AX40SI SO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS
11AX40SI SO	Ant1	5230	NV	-30	40000.00	7.648184	20	PASS
11AX40SI SO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11AX40SI SO	Ant1	5230	NV	-10	40000.00	7.648184	20	PASS
11AX40SI SO	Ant1	5230	NV	0	80000.00	15.296367	20	PASS
11AX40SI SO	Ant1	5230	NV	10	80000.00	15.296367	20	PASS
11AX40SI SO	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11AX40SI SO	Ant1	5230	NV	30	80000.00	15.296367	20	PASS
11AX40SI SO	Ant1	5230	NV	40	40000.00	7.648184	20	PASS
11AX40SI SO	Ant1	5230	NV	50	80000.00	15.296367	20	PASS
11AX40SI SO	Ant1	5755	NV	-30	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5755	NV	-20	40000.00	6.950478	20	PASS
11AX40SI SO	Ant1	5755	NV	-10	120000.00	18.851434	20	PASS
11AX40SI SO	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS

11AX40SI SO	Ant1	5755	NV	10	40000.00	6.950478	20	PASS
11AX40SI SO	Ant1	5755	NV	20	80000.00	13.900956	20	PASS
11AX40SI SO	Ant1	5755	NV	30	80000.00	13.900956	20	PASS
11AX40SI SO	Ant1	5755	NV	40	40000.00	6.950478	20	PASS
11AX40SI SO	Ant1	5755	NV	50	80000.00	13.900956	20	PASS
11AX40SI SO	Ant1	5795	NV	-30	80000.00	13.805004	20	PASS
11AX40SI SO	Ant1	5795	NV	-20	40000.00	6.902502	20	PASS
11AX40SI SO	Ant1	5795	NV	-10	40000.00	6.902502	20	PASS
11AX40SI SO	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11AX40SI SO	Ant1	5795	NV	10	40000.00	6.902502	20	PASS
11AX40SI SO	Ant1	5795	NV	20	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5795	NV	30	0.00	0.000000	20	PASS
11AX40SI SO	Ant1	5795	NV	40	40000.00	6.902502	20	PASS
11AX40SI SO	Ant1	5795	NV	50	0.00	0.000000	20	PASS