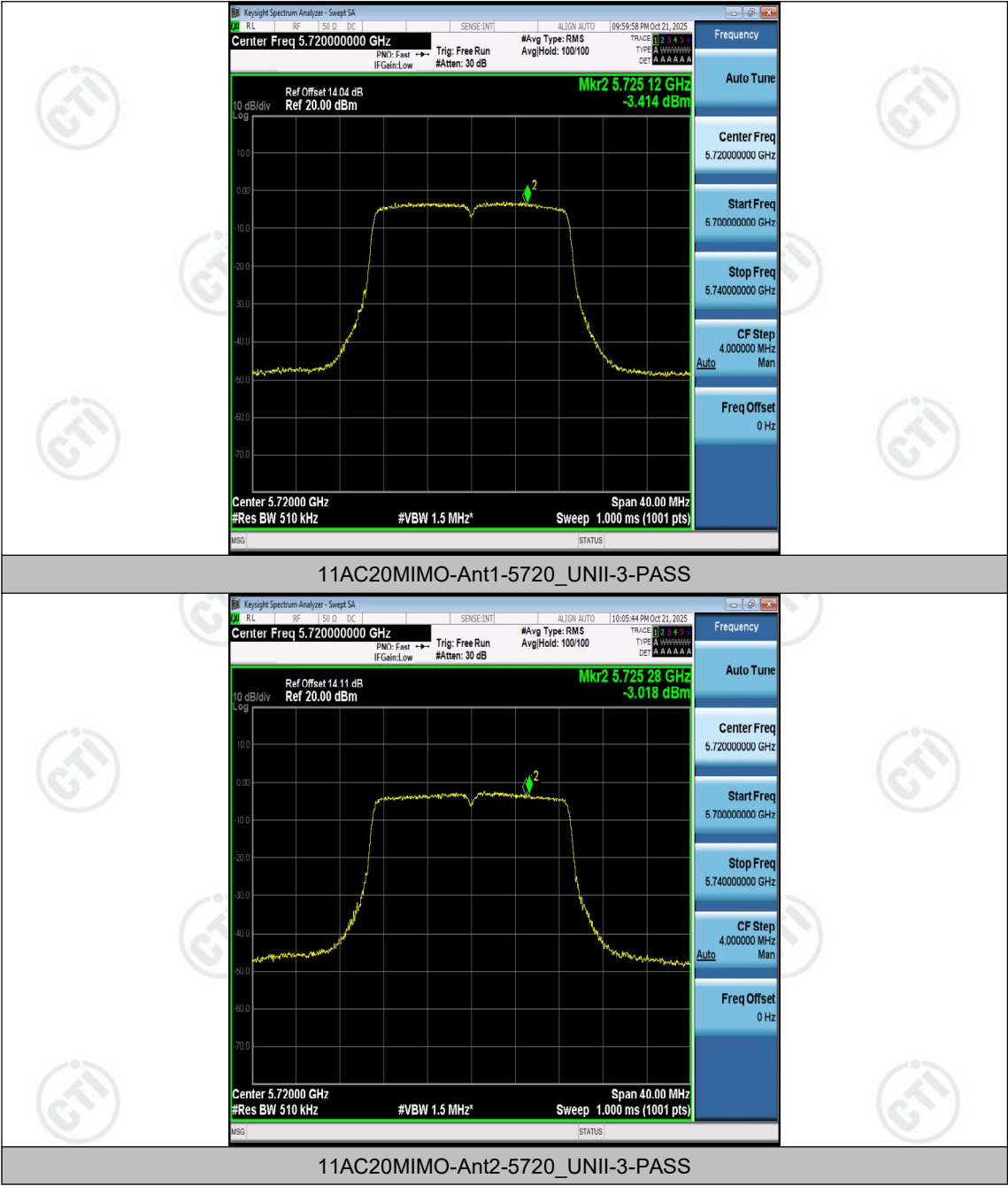
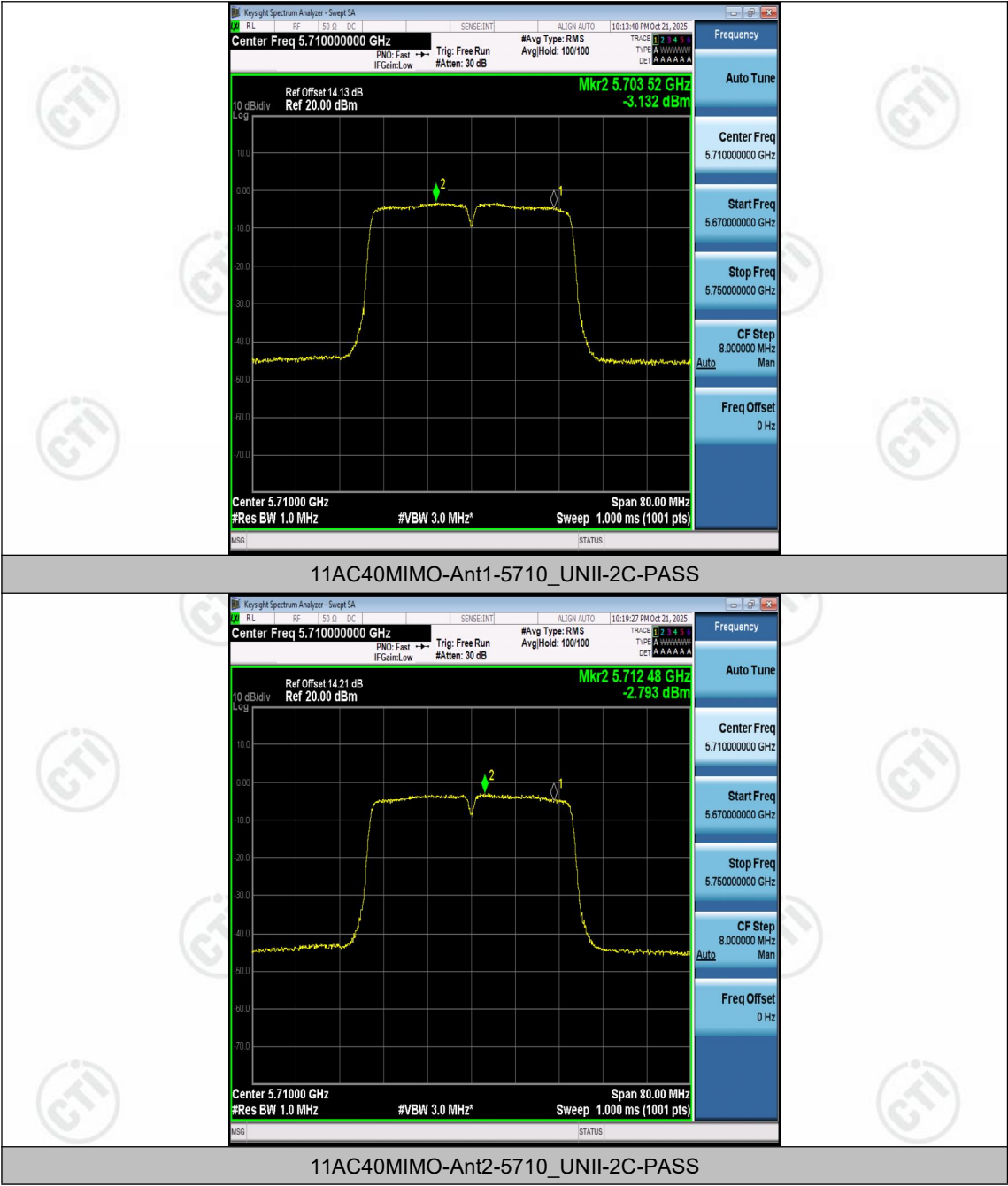
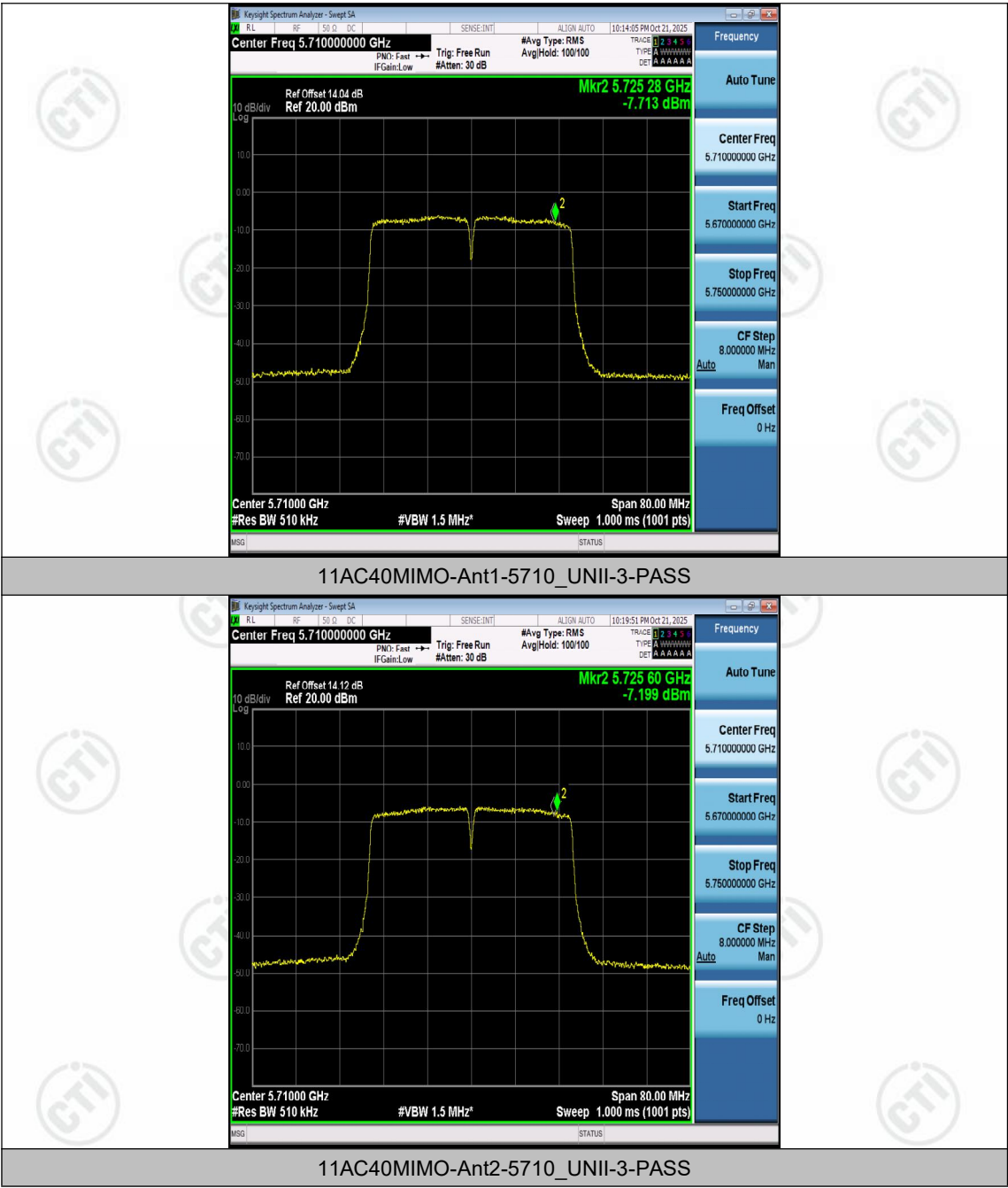
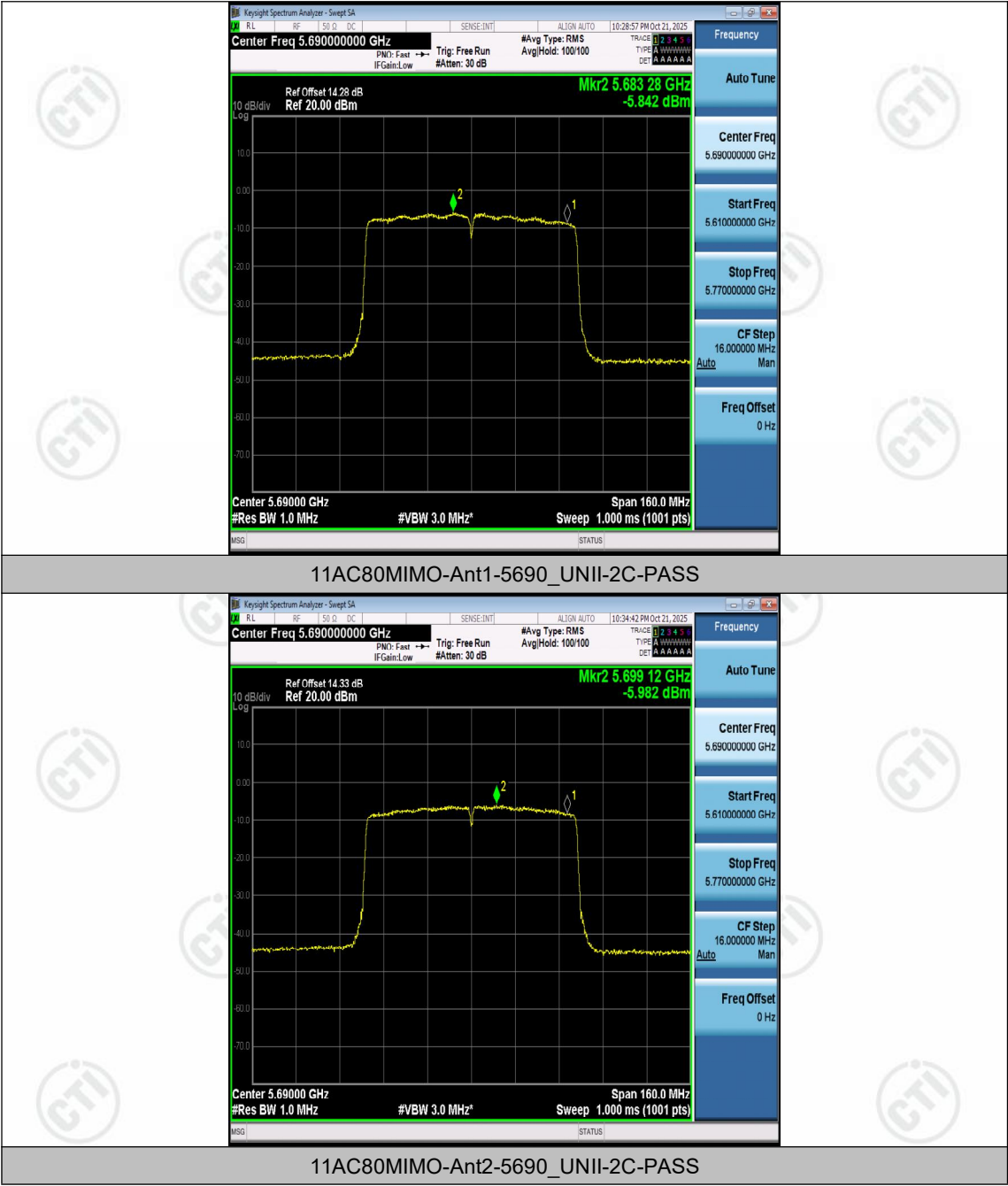
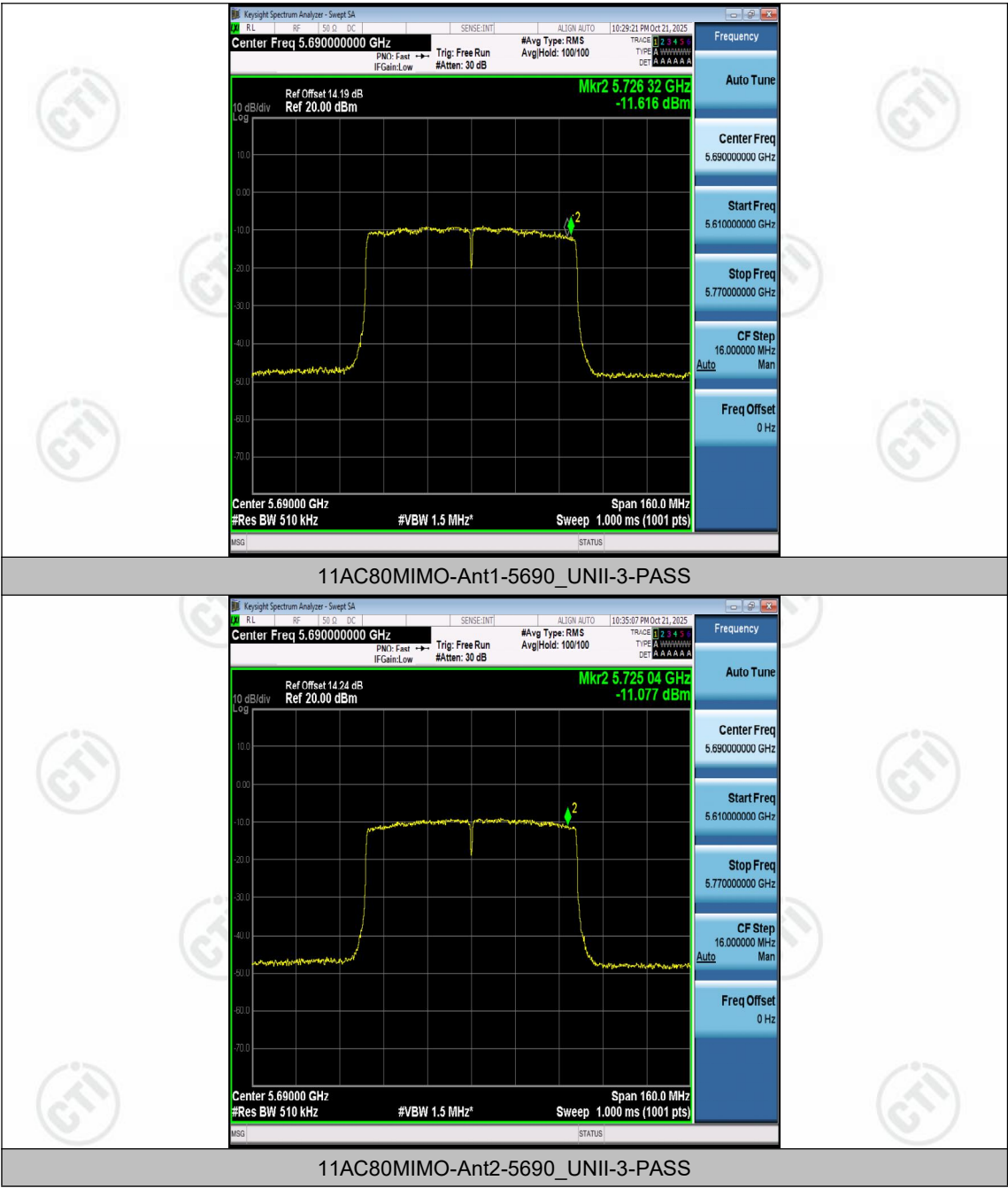


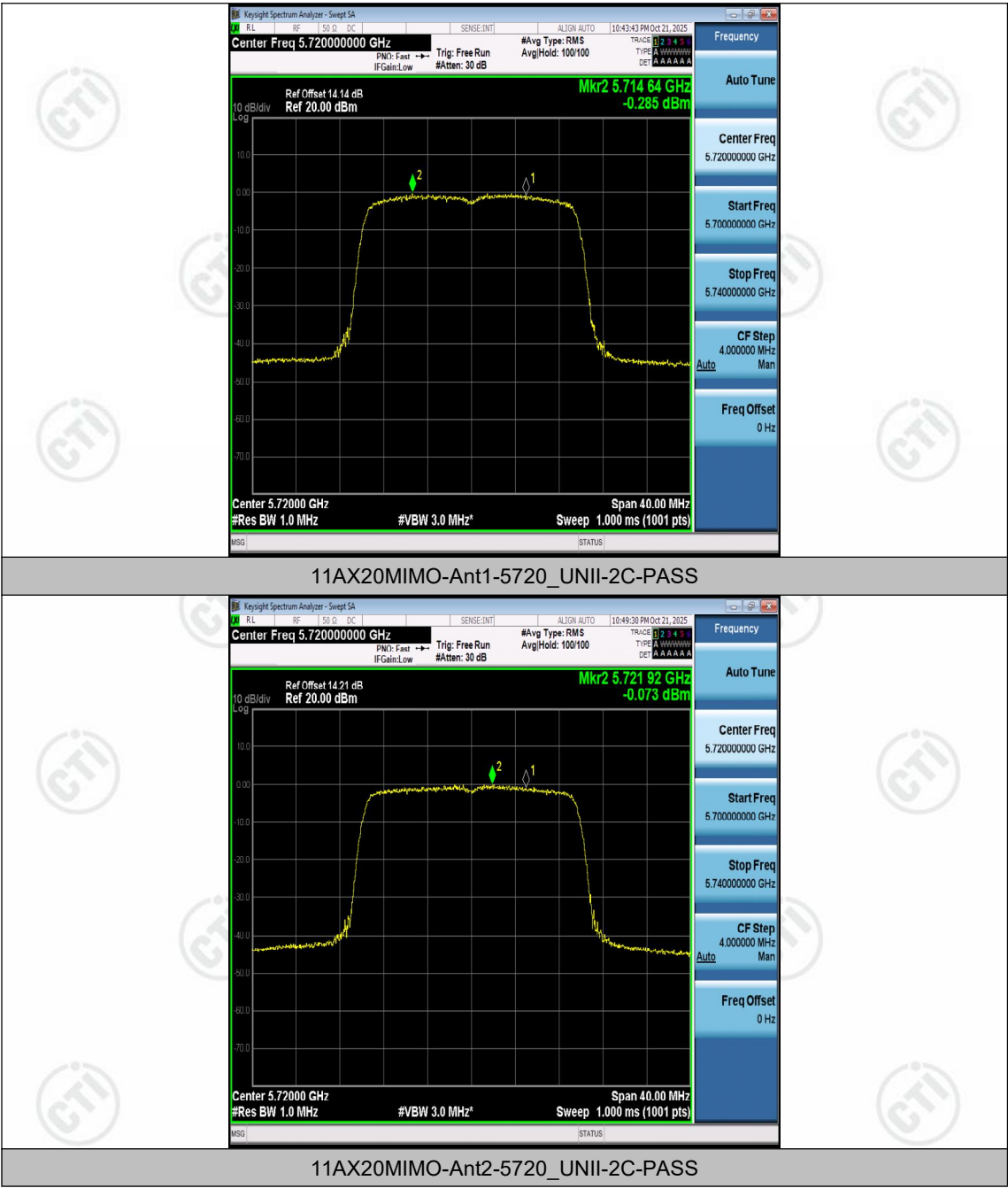


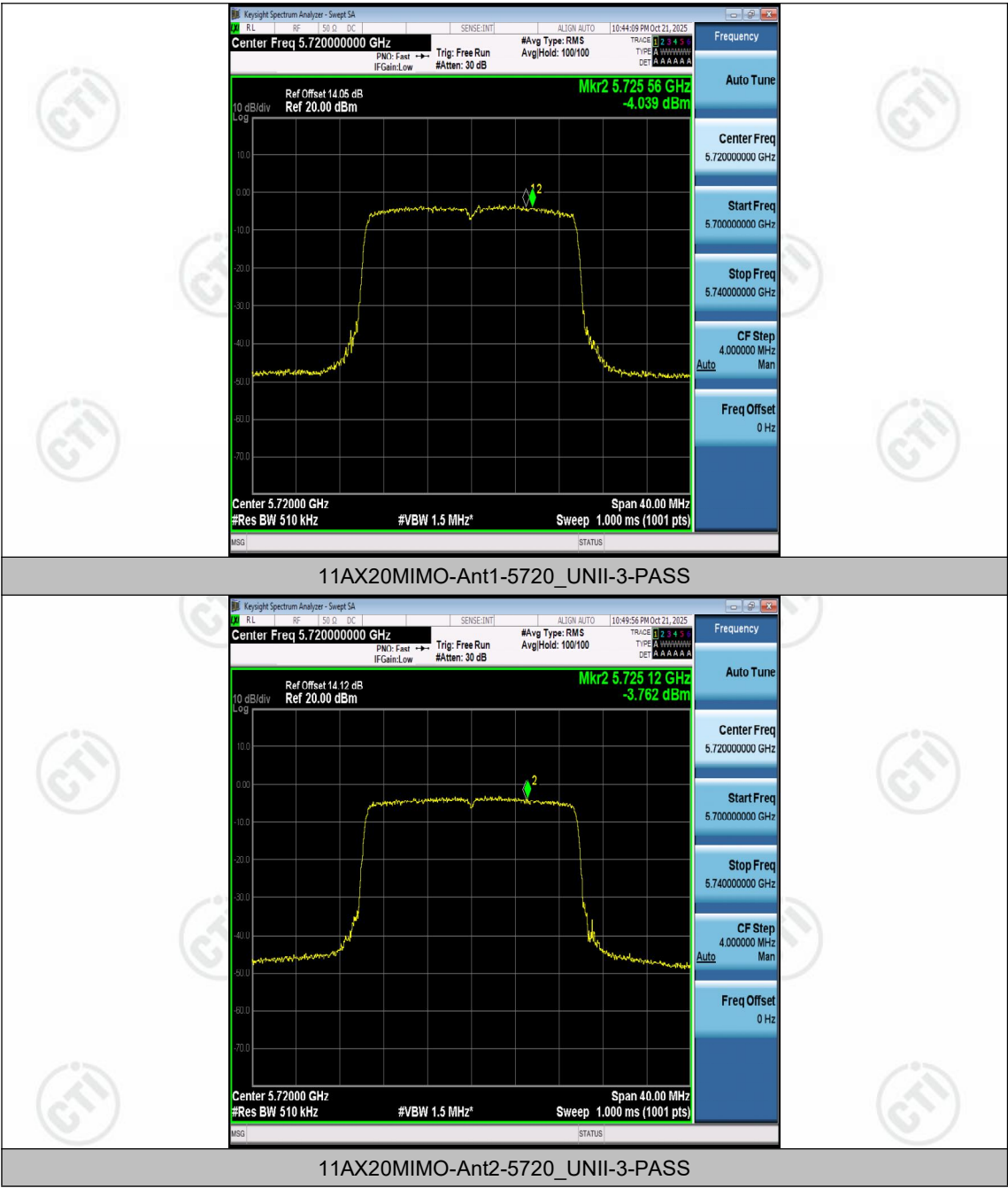


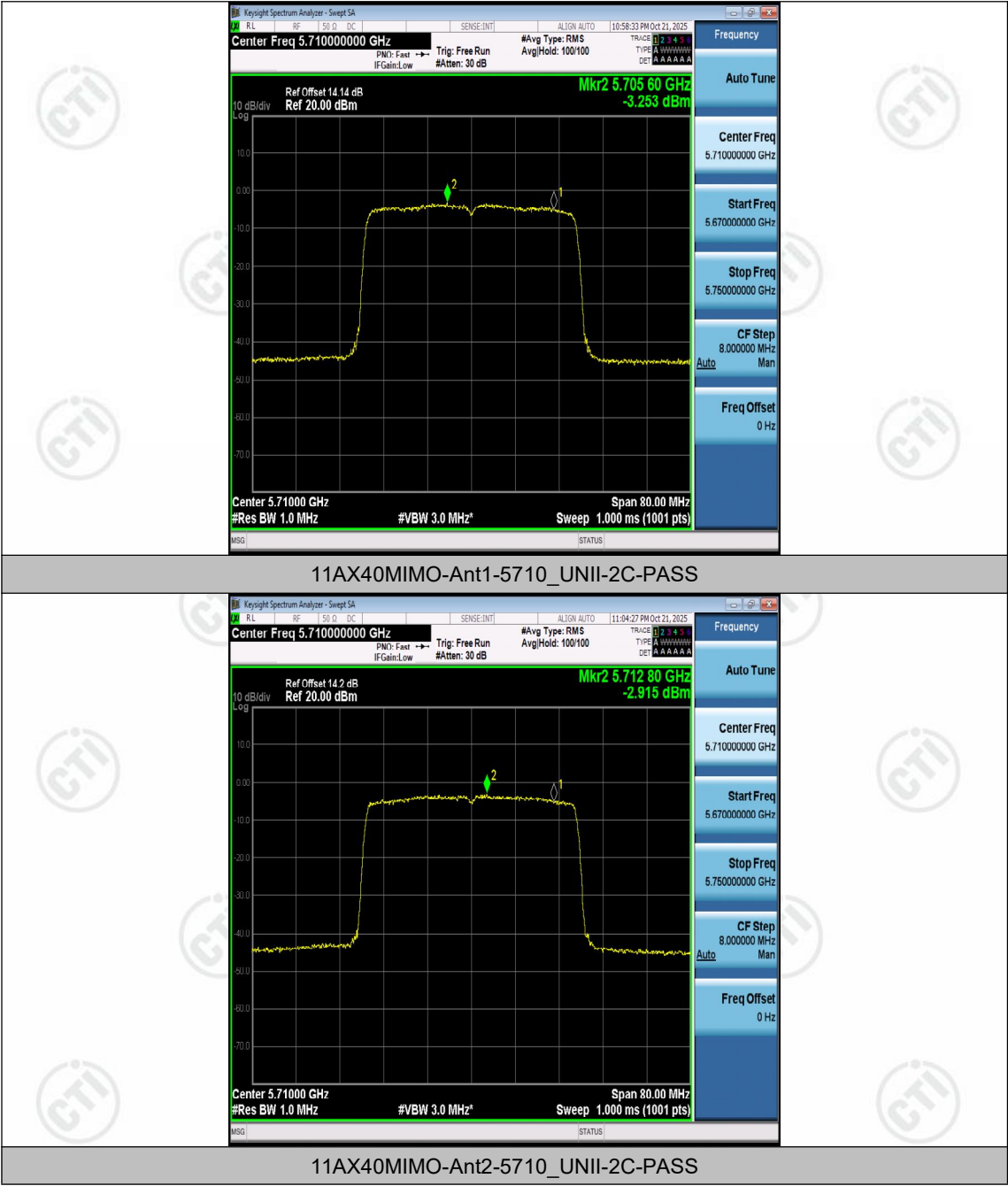


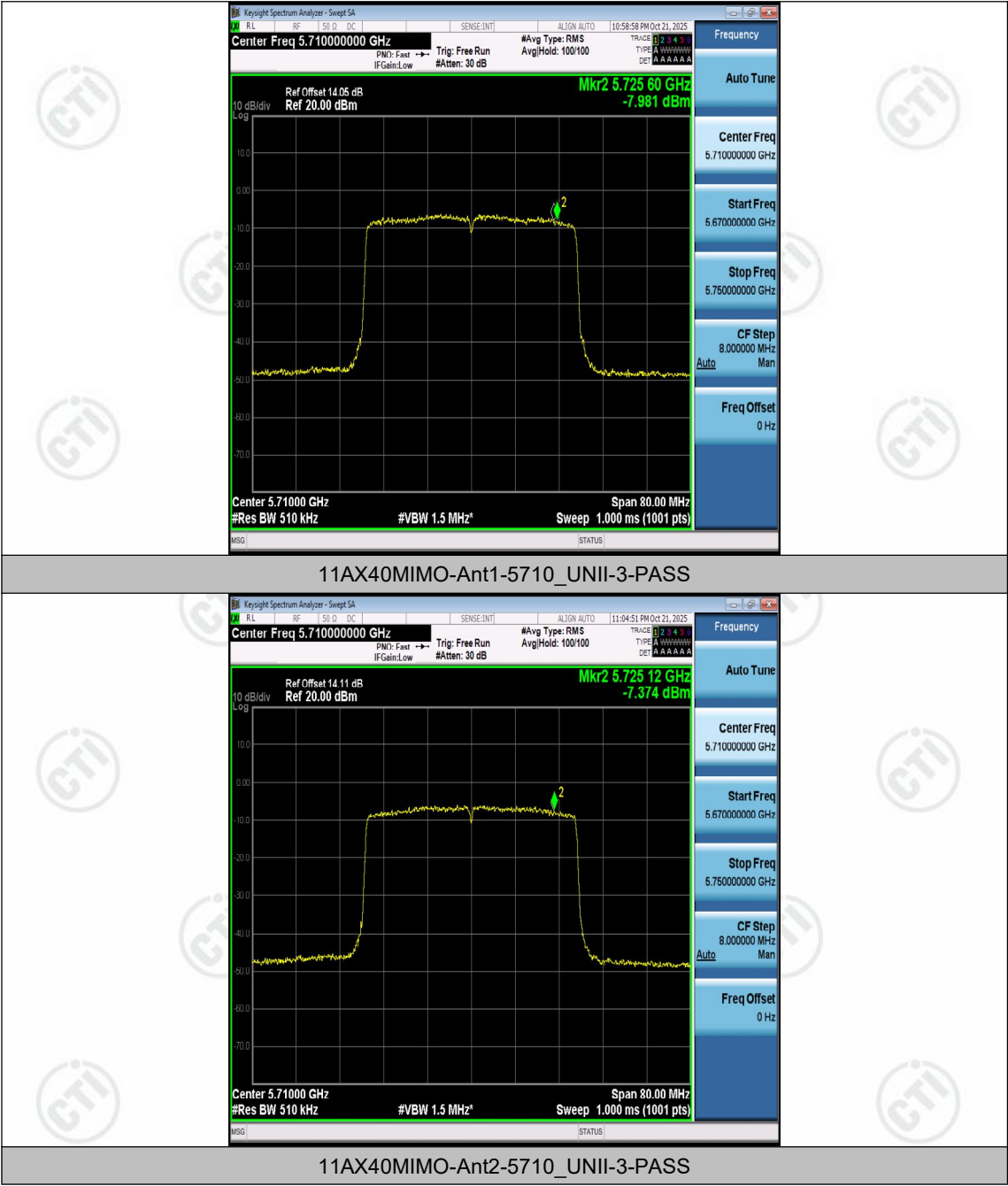


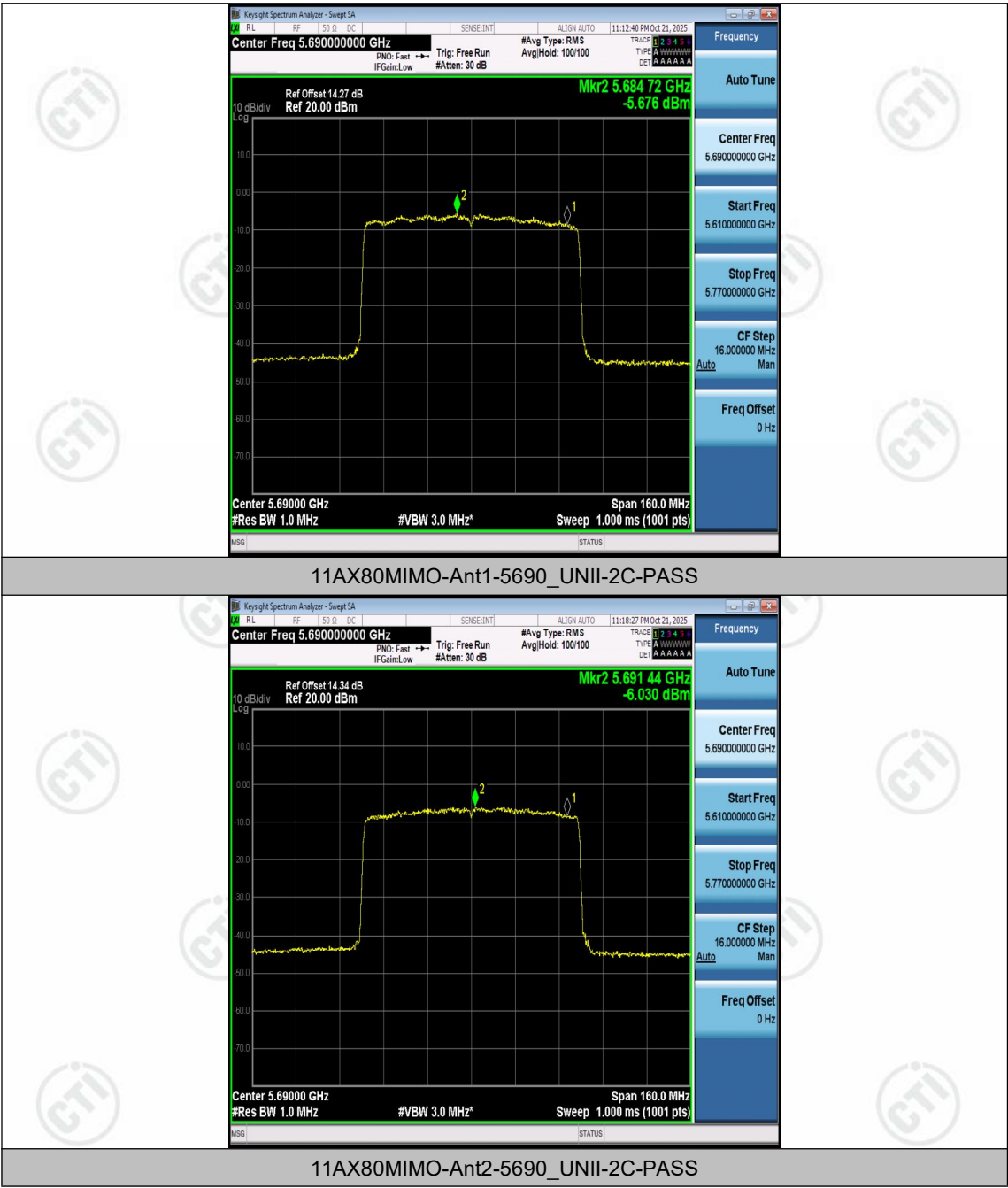


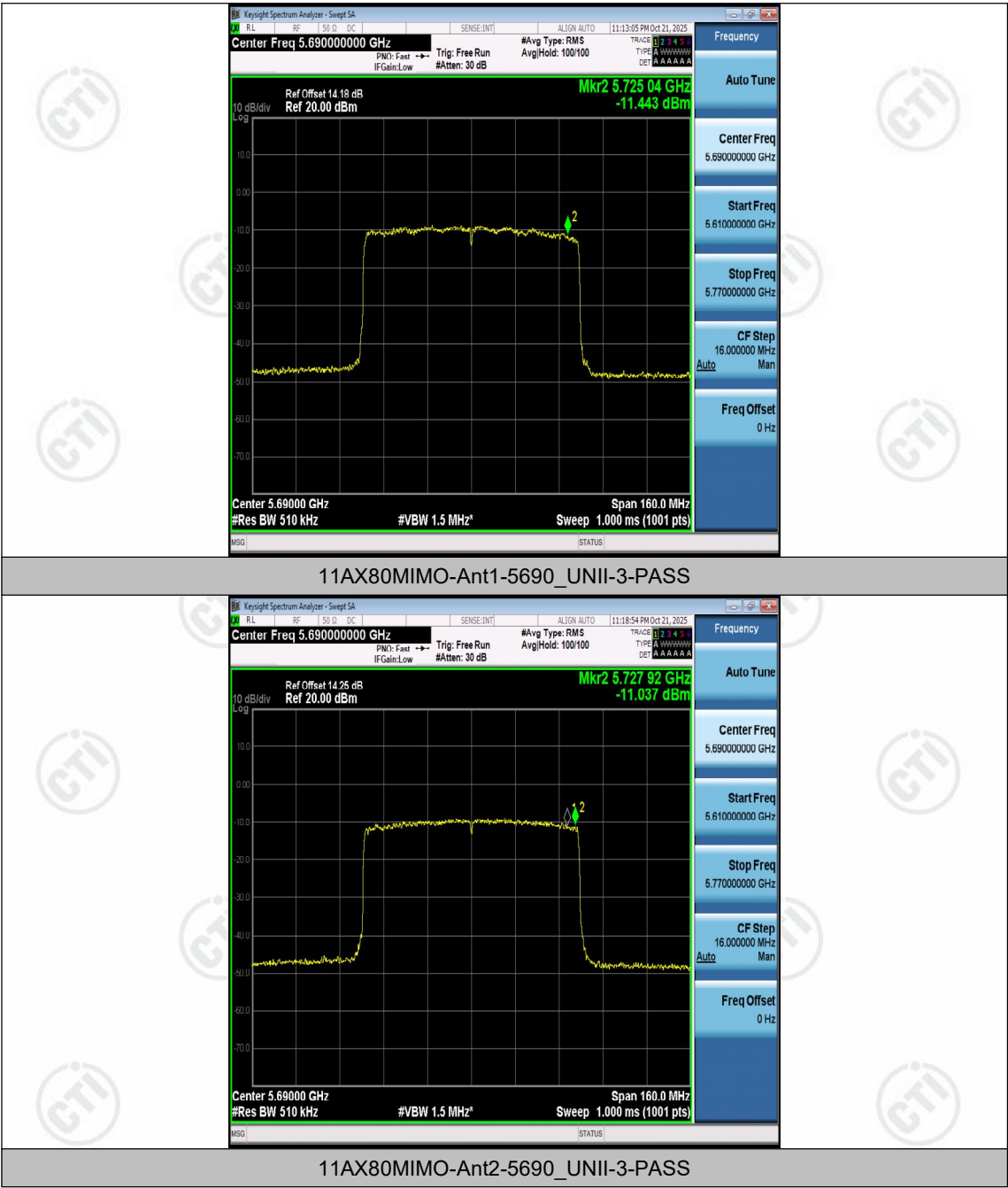












Appendix G: Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5720	NV	NT	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	LV	NT	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	HV	NT	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	NT	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	LV	NT	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	HV	NT	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	NV	NT	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	LV	NT	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	HV	NT	0.00	0.000000	20	PASS
11N20MI MO	Ant2	5720	NV	NT	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	LV	NT	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	HV	NT	-40000.00	-6.993007	20	PASS
11N40MI MO	Ant1	5710	NV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5710	LV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5710	HV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	LV	NT	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	HV	NT	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5720	NV	NT	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant1	5720	LV	NT	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant1	5720	HV	NT	-40000.00	-6.993007	20	PASS

11AC20M IMO	Ant2	5720	NV	NT	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant2	5720	LV	NT	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant2	5720	HV	NT	-20000.00	-3.496503	20	PASS
11AC40M IMO	Ant1	5710	NV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5710	LV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5710	HV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	LV	NT	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	HV	NT	-40000.00	-7.005254	20	PASS
11AC80M IMO	Ant1	5690	NV	NT	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	LV	NT	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	HV	NT	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	NT	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	LV	NT	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	HV	NT	0.00	0.000000	20	PASS
11AX20M IMO	Ant1	5720	NV	NT	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	LV	NT	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	HV	NT	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant2	5720	NV	NT	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant2	5720	LV	NT	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant2	5720	HV	NT	-40000.00	-6.993007	20	PASS

11AX40M IMO	Ant1	5710	NV	NT	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	LV	NT	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	HV	NT	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	NT	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	LV	NT	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	HV	NT	-40000.00	-7.005254	20	PASS
11AX80M IMO	Ant1	5690	NV	NT	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5690	LV	NT	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant1	5690	HV	NT	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	NT	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	LV	NT	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	HV	NT	-80000.00	-14.059754	20	PASS

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5720	NV	-30	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	-20	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	-10	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	0	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	10	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	20	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	30	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	40	-20000.00	-3.496503	20	PASS
11A	Ant1	5720	NV	50	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	-30	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	-20	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	-10	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	0	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	10	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	20	-20000.00	-3.496503	20	PASS

11A	Ant2	5720	NV	30	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	40	-20000.00	-3.496503	20	PASS
11A	Ant2	5720	NV	50	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	NV	-30	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	NV	-20	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant1	5720	NV	-10	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	NV	0	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	NV	10	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant1	5720	NV	20	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant1	5720	NV	30	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant1	5720	NV	40	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant1	5720	NV	50	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	NV	-30	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	NV	-20	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	NV	-10	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	NV	0	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant2	5720	NV	10	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant2	5720	NV	20	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	NV	30	-20000.00	-3.496503	20	PASS
11N20MI MO	Ant2	5720	NV	40	-40000.00	-6.993007	20	PASS
11N20MI MO	Ant2	5720	NV	50	-40000.00	-6.993007	20	PASS
11N40MI MO	Ant1	5710	NV	-30	-40000.00	-7.005254	20	PASS
11N40MI	Ant1	5710	NV	-20	0.00	0.000000	20	PASS

MO								
11N40MI MO	Ant1	5710	NV	-10	-40000.00	-7.005254	20	PASS
11N40MI MO	Ant1	5710	NV	0	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5710	NV	10	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5710	NV	20	-40000.00	-7.005254	20	PASS
11N40MI MO	Ant1	5710	NV	30	-40000.00	-7.005254	20	PASS
11N40MI MO	Ant1	5710	NV	40	0.00	0.000000	20	PASS
11N40MI MO	Ant1	5710	NV	50	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	-30	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	-20	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	-10	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	0	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	10	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	20	-40000.00	-7.005254	20	PASS
11N40MI MO	Ant2	5710	NV	30	0.00	0.000000	20	PASS
11N40MI MO	Ant2	5710	NV	40	-40000.00	-7.005254	20	PASS
11N40MI MO	Ant2	5710	NV	50	0.00	0.000000	20	PASS
11AC20M IMO	Ant1	5720	NV	-30	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant1	5720	NV	-20	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant1	5720	NV	-10	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant1	5720	NV	0	-20000.00	-3.496503	20	PASS
11AC20M	Ant1	5720	NV	10	-20000.00	-3.496503	20	PASS

IMO								
11AC20M IMO	Ant1	5720	NV	20	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant1	5720	NV	30	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant1	5720	NV	40	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant1	5720	NV	50	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant2	5720	NV	-30	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant2	5720	NV	-20	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant2	5720	NV	-10	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant2	5720	NV	0	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant2	5720	NV	10	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant2	5720	NV	20	-40000.00	-6.993007	20	PASS
11AC20M IMO	Ant2	5720	NV	30	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant2	5720	NV	40	-20000.00	-3.496503	20	PASS
11AC20M IMO	Ant2	5720	NV	50	-20000.00	-3.496503	20	PASS
11AC40M IMO	Ant1	5710	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5710	NV	-20	-40000.00	-7.005254	20	PASS
11AC40M IMO	Ant1	5710	NV	-10	-40000.00	-7.005254	20	PASS
11AC40M IMO	Ant1	5710	NV	0	-40000.00	-7.005254	20	PASS
11AC40M IMO	Ant1	5710	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant1	5710	NV	20	-40000.00	-7.005254	20	PASS
11AC40M IMO	Ant1	5710	NV	30	0.00	0.000000	20	PASS
11AC40M	Ant1	5710	NV	40	-40000.00	-7.005254	20	PASS

IMO								
11AC40M IMO	Ant1	5710	NV	50	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	-30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	-20	-40000.00	-7.005254	20	PASS
11AC40M IMO	Ant2	5710	NV	-10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	0	-40000.00	-7.005254	20	PASS
11AC40M IMO	Ant2	5710	NV	10	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	20	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	30	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	40	0.00	0.000000	20	PASS
11AC40M IMO	Ant2	5710	NV	50	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	-30	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	-20	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	-10	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	0	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	10	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	20	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	30	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	40	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5690	NV	50	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	-30	0.00	0.000000	20	PASS
11AC80M	Ant2	5690	NV	-20	0.00	0.000000	20	PASS

IMO								
11AC80M IMO	Ant2	5690	NV	-10	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	0	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	10	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	20	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	30	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	40	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5690	NV	50	0.00	0.000000	20	PASS
11AX20M IMO	Ant1	5720	NV	-30	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	NV	-20	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant1	5720	NV	-10	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	NV	0	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	NV	10	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	NV	20	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant1	5720	NV	30	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant1	5720	NV	40	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant1	5720	NV	50	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant2	5720	NV	-30	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant2	5720	NV	-20	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant2	5720	NV	-10	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant2	5720	NV	0	-40000.00	-6.993007	20	PASS
11AX20M	Ant2	5720	NV	10	-40000.00	-6.993007	20	PASS

IMO								
11AX20M IMO	Ant2	5720	NV	20	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant2	5720	NV	30	-20000.00	-3.496503	20	PASS
11AX20M IMO	Ant2	5720	NV	40	-40000.00	-6.993007	20	PASS
11AX20M IMO	Ant2	5720	NV	50	-20000.00	-3.496503	20	PASS
11AX40M IMO	Ant1	5710	NV	-30	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	-20	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	-10	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	0	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	10	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	20	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	30	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	40	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant1	5710	NV	50	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	-30	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	-20	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	-10	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	0	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	10	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	20	-40000.00	-7.005254	20	PASS
11AX40M IMO	Ant2	5710	NV	30	-40000.00	-7.005254	20	PASS
11AX40M	Ant2	5710	NV	40	-40000.00	-7.005254	20	PASS

IMO								
11AX40M IMO	Ant2	5710	NV	50	-40000.00	-7.005254	20	PASS
11AX80M IMO	Ant1	5690	NV	-30	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5690	NV	-20	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5690	NV	-10	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5690	NV	0	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5690	NV	10	0.00	0.000000	20	PASS
11AX80M IMO	Ant1	5690	NV	20	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant1	5690	NV	30	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant1	5690	NV	40	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant1	5690	NV	50	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	-30	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	-20	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant2	5690	NV	-10	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	0	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant2	5690	NV	10	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	20	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	30	-80000.00	-14.059754	20	PASS
11AX80M IMO	Ant2	5690	NV	40	0.00	0.000000	20	PASS
11AX80M IMO	Ant2	5690	NV	50	-80000.00	-14.059754	20	PASS

*** End of Report ***