Microwave oscillator variation [Hz]

Sensor angle [°]

-10 0 2 4

PCB-temperature-dependent microwave oscillator controller adjustment for CPT $n = \pm 2$ measurements during ascending nightside orbit segments
PCB-temperature-dependent microwave oscillator detuning for CPT $n = \pm 3$ measurements during ascending nightside orbit segments

Magnetic field deviation caused by PCB-temperature-dependent microwave oscillator detuning and detuning sensitivity for CPT $n = \pm 3$ measurements during ascending nightside orbit segments

Sensor angle [°]

-0.15 -0.1 -0.05 0 0.05 0.1

F [nT]