

CTB-01188**Date:** *April 28, 2023***Author:** R & D/Service Engineering**Product:** Selenia Dimensions/3Dimensions **Subsystem:** Tomo**Subject:** Faint Gradient on Tomo MLO Projections

Purpose

To provide information on a faint gradient that may appear on processed tomosynthesis projection images.

Scope

This bulletin applies to all Selenia Dimensions and 3Dimensions systems licensed for Tomosynthesis Imaging.

Reason

Technologists may notice an extremely faint gradient when observing the processed tomosynthesis projections of patient images in cine mode. These may appear when imaging MLO views with the 18x24 cm paddle.

The phenomenon being observed is due to the electronics and the way the images are readout. However, all detectors are tested at the factory to ensure that any appearance of this gradient is well below a passing threshold. This threshold is set to prevent its effect on the reconstruction volume. Therefore, it will not appear in the final reconstructed image.

Instructions

No further actions are required by the site.

While this gradient will not appear on the reconstruction slices of patient images, its appearance on the processed projections can be prevented by using the 24x29 cm paddle.