HOLOGIC®

Customer Technical Bulletin

CTB-00491 Rev 003

Date: *April 14, 2021*

Author: Tushita Patel/Service Engineering

Product: Selenia Dimensions/ 3Dimensions

Subsystem: SmartCurve Compression Paddles

Subject: QC Testing on SmartCurve Compression System for Selenia Dimensions/3Dimensions

---

Revision History

Revision 003 – Added clarification of inspection requirements when upgrading to the latest SmartCurve paddles on exisiting systems.

Revision 002 – Added SmartCurve Mini Compression Paddle References.

Purpose

The intention of this document is to provide guidance on when testing of the SmartCurve paddles is required prior to clinical use.

Scope

This bulletin is applicable only to Selenia Dimensions and 3Dimensions systems licensed for use with the SmartCurve paddle system.

Customer Technical Bulletin (cont.)

Instructions

Provide the following information to the site about SmartCurve paddle testing:

The SmartCurve compression paddle is an accessory for Selenia Dimensions and 3Dimensions systems. As such, QC testing of the SmartCurve compression paddles must be performed prior to clinical use. The Hologic QC manual (MAN-03706 Revision 007 or greater) contains the QC tests relevant to the SmartCurve compression paddles.

The physicist should be consulted on the performance of these tests.

MQSA requirements covered in the QC Manual: The chest wall edge of the compression paddle shall not extend beyond the chest wall edge of the image receptor by more than 1% of the SID when tested with the compression paddle placed above the breast support surface at a distance equivalent to standard breast thickness. The shadow of the vertical edge of the compression paddle shall not be visible on the image.

Note
The SmartCurve compression paddles have been designed to match the overall dimensions of their corresponding flat screening compression paddles. If the 24 x 29 SmartCurve paddle does not appear to be within the 1% of SID limit, ensure that the paddle is not flexing or warping due to the nature of the phantom described in the QC manual procedure. In these cases, it is recommended that either a larger phantom or a compressible phantom be used to test the SmartCurve compression paddle.

Note
QC testing must also be performed for the SmartCurve mini compression paddle prior to clinical use. The attenuator method that is typically used with the flat screening compression paddles may be the most appropriate method for testing the SmartCurve mini compression paddle as this paddle has a flat surface for placement of the attenuator

Note
Exisiting systems equipped with the 24x29 SmartCurve (24x29 CRV - ASY-08499) and 18x24 SmartCurve (18x24 CRV - ASY-08500) paddles that are upgraded with the 24x29 SmartCurve (24x29 CRV2 ASY-11738), 18x24 SmartCurve (18x24 CRV2 - ASY-11739) SmartCurve paddles also require QC testing of the new paddles prior to clinical use.