

Customer Technical Bulletin

CTB-00654

Date: January 7, 2020				
Author:	Service Engineering			
Product:	Selenia	Subsystem:	QC Manual	
	Dimensions/3Dimensions			
Subject:	Announcement of Change to MAN-03706 Rev 009 QC Manual or Selenia Dimensions/3Dimensions CNR Correction Factors for			
	Version 1.10/2.1 Software			

<u>Purpose</u>

To announce a change being made to the Hologic Selenia Dimensions/3Dimensions QC Manual, MAN-03706 Rev 009 to add new CNR Correction Factor tables designed for use with Version 1.10/2.1 software.

<u>Scope</u>

This information applies to Selenia Dimensions and 3Dimensions systems running Version 1.10/2.1 software.

Resolution

New CNR Correction Factor tables for Table 0 - 15 Projections, Standard Mode, Tomosynthesis Option, and Table 7 – Enhanced Uniform CNR Screening Dose were added for use with Selenia Dimensions systems running at Version 1.10 software, and 3Dimensions systems running at Version 2.1 software.

These tables are to be used by the medical physicist when evaluating AEC Performance per the Hologic Selenia Dimensions/3Dimensions QC Manual, MAN-03706 Rev 009.

MAN-03706 Rev 010 will be revised to add these tables.

CTB-00654

Page 1 of 2

CSD-0044-T01 Rev 004

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Customer Technical Bulletin (cont.)

Compression Thickness	Detector Serial #: XX6xxxxx	Detector Serial #: XX8xxxxx
2.0 cm	0.64	0.64
4.0 cm	0.91	0.91
6.0 cm	1.46	1.55
8.0 cm	2.37	2.78

AEC Table 0 (Standard Tomosynthesis Dose)

The following is AEC Table 7 for Conventional (Contact) mode for systems running Version 1.10/2.1 software:

AEC Table 7 (Enhanced Uniform CNR Screening Dose)

Compression Thickness	Detector Serial #: XX6xxxxx	Detector Serial #: XX8xxxxx
2.0 cm	1.25	1.25
4.0 cm	1.20	1.20
6.0 cm	1.30	1.35
8.0 cm	1.70	1.82

Systems running Version 1.9.x/2.0.x and below shall still use the existing AEC Tables in the Rev 009 QC Manual.