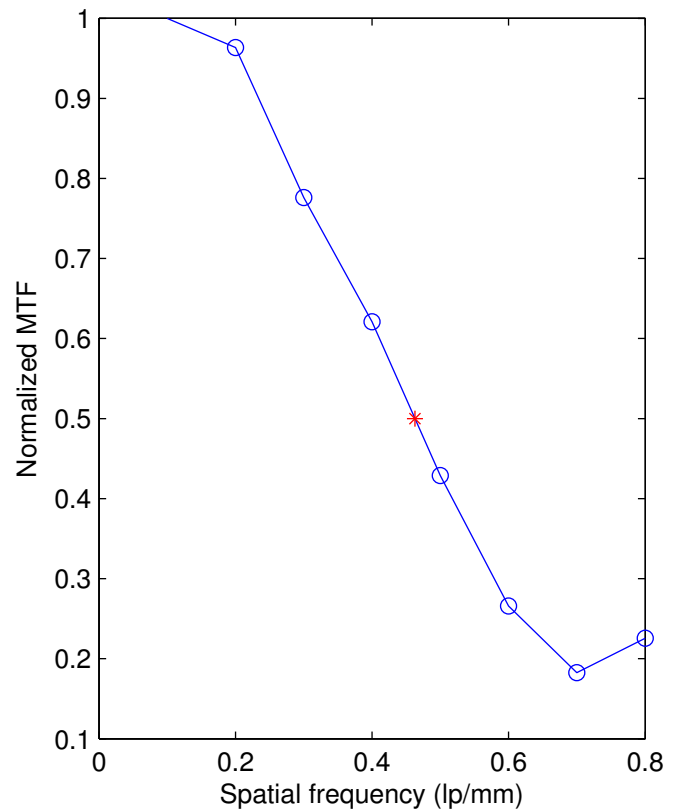


DoseLab CT Imaging QA Results

Summary: All tests passed

DoseLab version: 6.80
Date: February 24, 2020
Machine: Unit 5_New, #:2899
Phantom: Catphan 504
Magnification: 99.91%
Energy: 125 kV
Expected slice width: 2.0 mm
Matrix size: 512x512
Performed by: Svetlana Kuznetsova
Tolerance set: Unit 3&5 Large FOV

Scaling discrepancy: 0.2 mm (Pass)
Geometric distortion: 0.1 mm (Pass)
Spatial resolution (50% MTF): 0.46 lp/mm (Pass)
Minimum uniformity (ROI 23): 98.8% (Pass)



CTP404 module results

Contrast ROI details

Measured HU

1: 368

2: 106

HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 134 / 14

4 (Air): -1000 / -999 / 1

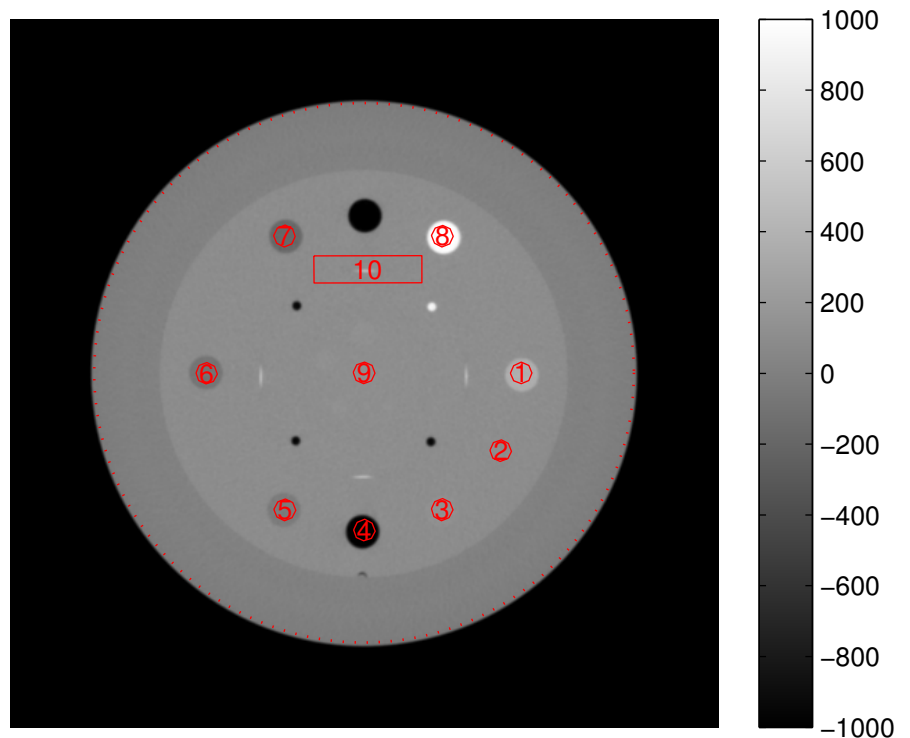
5 (Polystyrene): -35 / -32 / 3

6 (LDPE): -100 / -93 / 7

7 (PMP): -200 / -182 / 18

8 (Teflon): 990 / 989 / -1

9 (CTP404): 100 / 117 / 17



CTP528 module results

Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 1.00

12: 0.2 / 0.96

13: 0.3 / 0.78

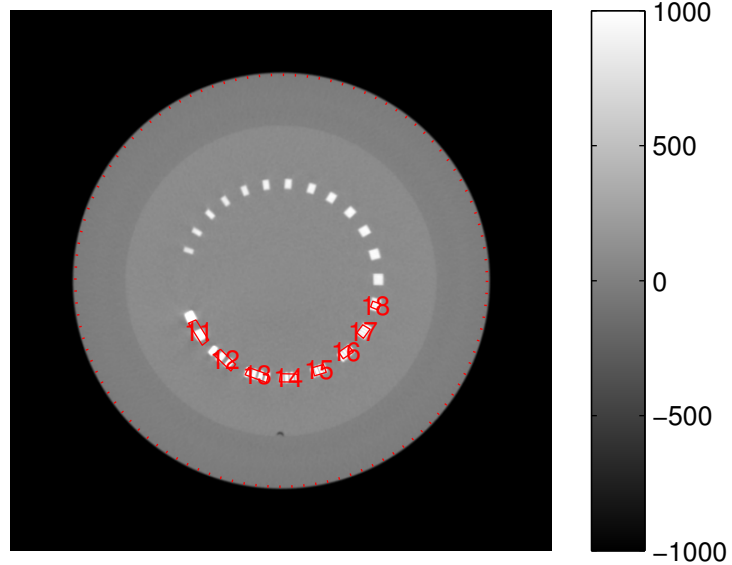
14: 0.4 / 0.62

15: 0.5 / 0.43

16: 0.6 / 0.27

17: 0.7 / 0.18

18: 0.8 / 0.23



CTP486 module results

Uniformity ROI details

Measured HU / Uniformity

19: 29 / 98.9%

20: 25 / 98.8%

21: 18 / 98.9%

22: 17 / 98.9%

23: 17 / 98.8%

