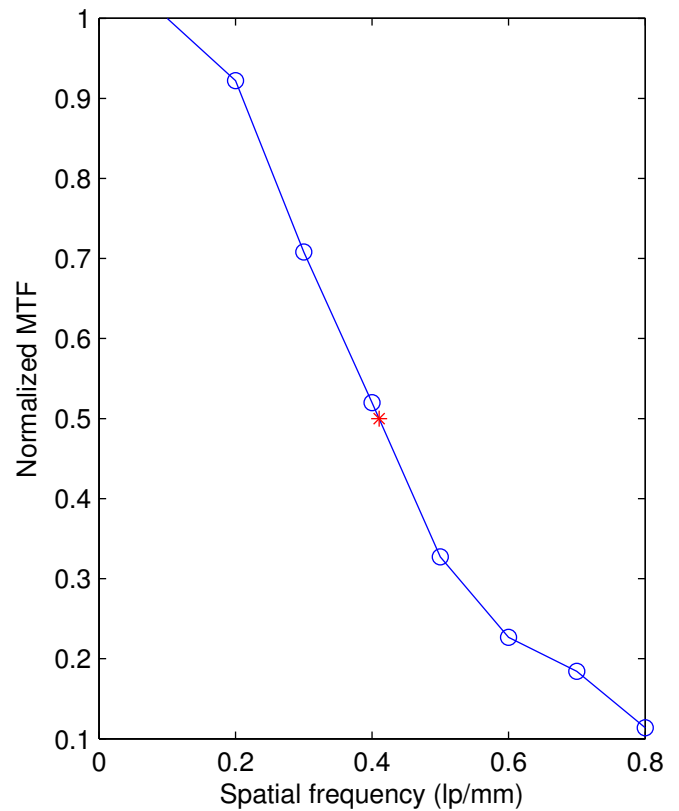


## DoseLab CT Imaging QA Results

Summary: **Some tests generated a warning**

DoseLab version: 6.80  
Date: November 25, 2019  
Machine: Unit 1, #:3951  
Phantom: Catphan 504  
Magnification: 99.97%  
Energy: 125 kV  
Expected slice width: 2.0 mm  
Matrix size: 512x512  
Performed by: Amy Frederick  
Tolerance set: Unit: 1,6,7,8 Small FOV

Scaling discrepancy: 0.1 mm (Pass)  
Geometric distortion: 0.1 mm (Pass)  
Spatial resolution (50% MTF): 0.41 lp/mm (Pass)  
Minimum uniformity (ROI 19): 98.9% (Warning)



## CTP404 module results

### Contrast ROI details

Measured HU

1: 365

2: 102

### HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 134 / 14

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

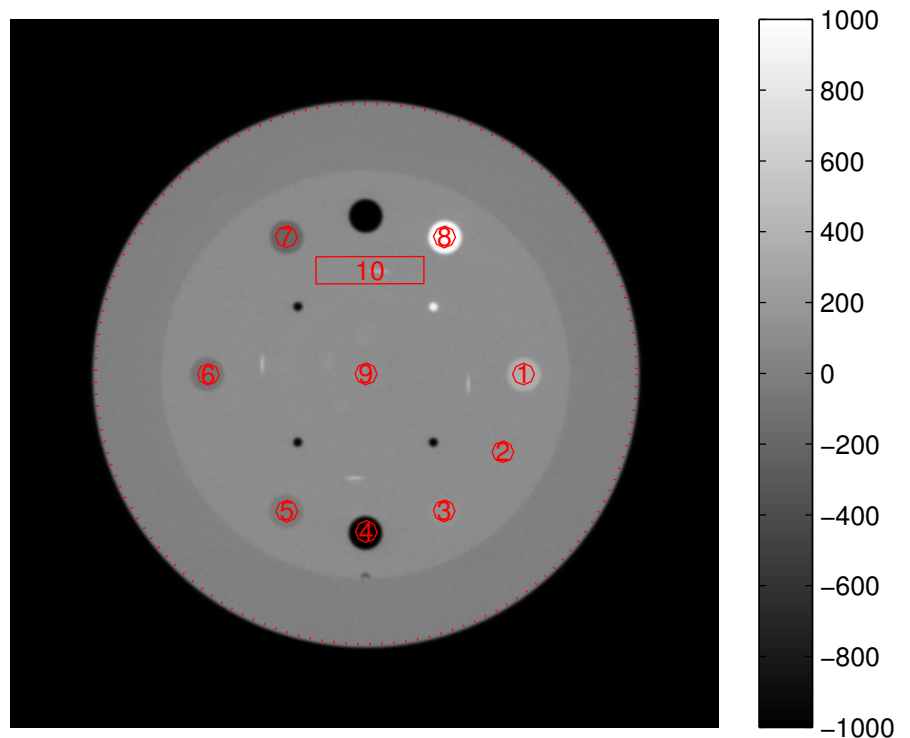
5 (Polystyrene): -35 / -39 / -4

6 (LDPE): -100 / -95 / 5

7 (PMP): -200 / -189 / 11

8 (Teflon): 990 / 997 / 7

9 (CTP404): 100 / 106 / 6



## CTP528 module results

### Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 1.00

12: 0.2 / 0.92

13: 0.3 / 0.71

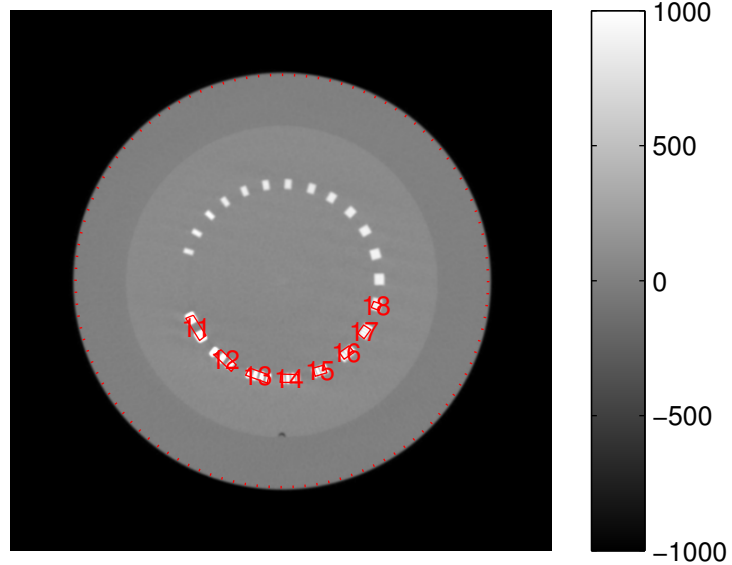
14: 0.4 / 0.52

15: 0.5 / 0.33

16: 0.6 / 0.23

17: 0.7 / 0.18

18: 0.8 / 0.11



## CTP486 module results

### Uniformity ROI details

Measured HU / Uniformity

19: 29 / 98.9%

20: 24 / 99.0%

21: 19 / 99.0%

22: 30 / 99.1%

23: 24 / 99.0%

