

Metadata:

Performed By: jinkoo.kim@stonybrookmedicine.edu

Performed Date: 2025-01-30

- CBCT/CT 604 QA Test -

- CTP 404 Results -

HU Linearity tolerance: 40

HU Linearity ROIs:

Air: -1000.0, PMP: -190.5, 50% Bone: 879.0, LDPE:

-90.0, Poly: -25.0, Acrylic: 144.0, 20% Bone:

307.0, Delrin: 405.0, Teflon: 1097.0

HU Passed?: False

Low contrast visibility: 2.48

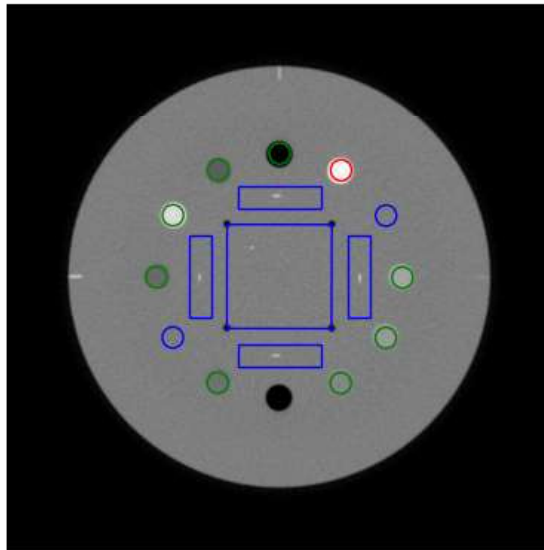
Geometric Line Average (mm): 50.01

Geometry Passed?: True

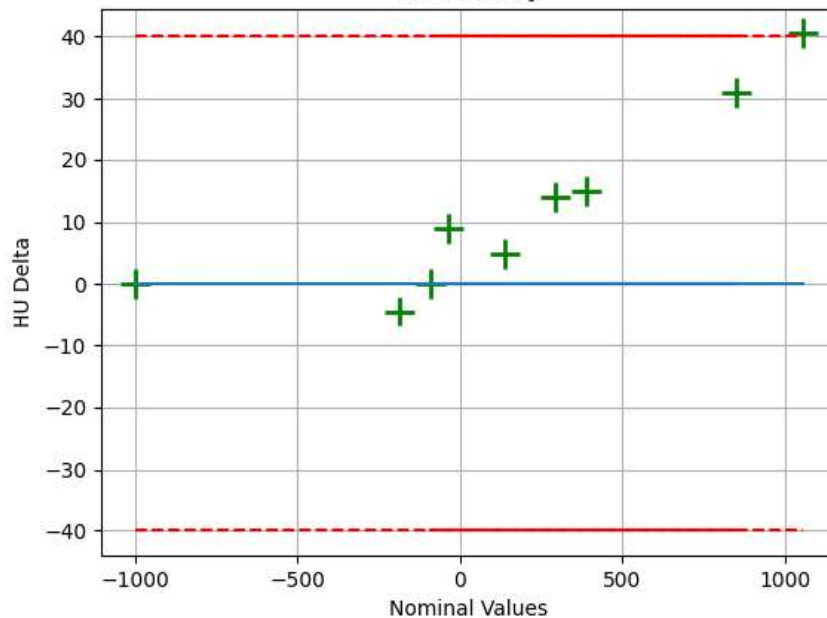
Measured Slice Thickness (mm): 0.964

Slice Thickness Passed? True

HU Linearity



HU linearity



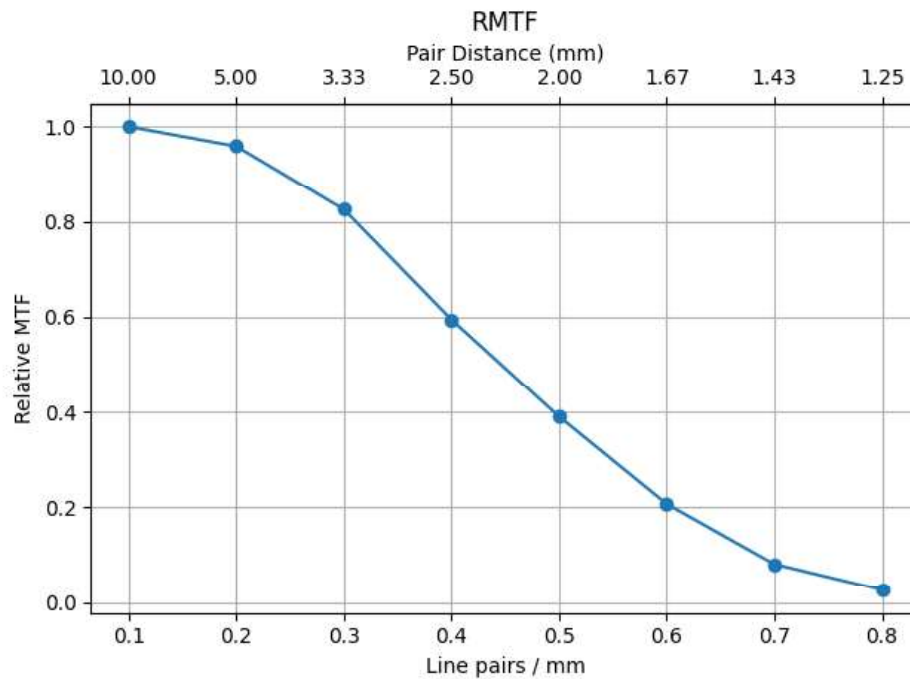
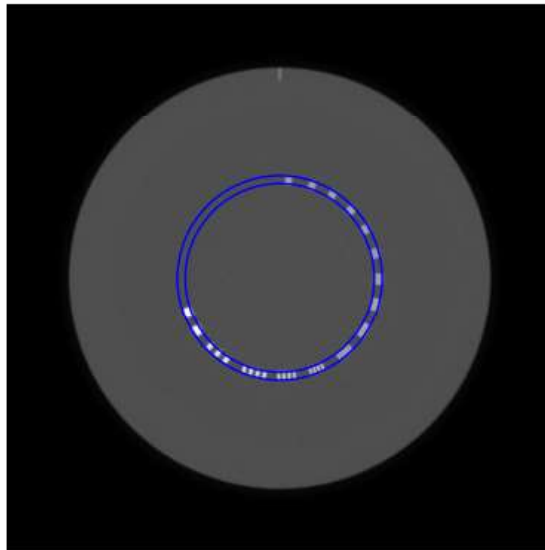
Notes:

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- CTP528 Results -
MTF 80% (lp/mm): 0.31
MTF 50% (lp/mm): 0.45
MTF 30% (lp/mm): 0.55

Spatial Resolution



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- CTP486 Results -

Uniformity tolerance: 40

Uniformity ROIs: Top: 28.0, Right: 30.0, Bottom: 28.0, Left: 27.0, Center: 36.0

Uniformity index: -0.869

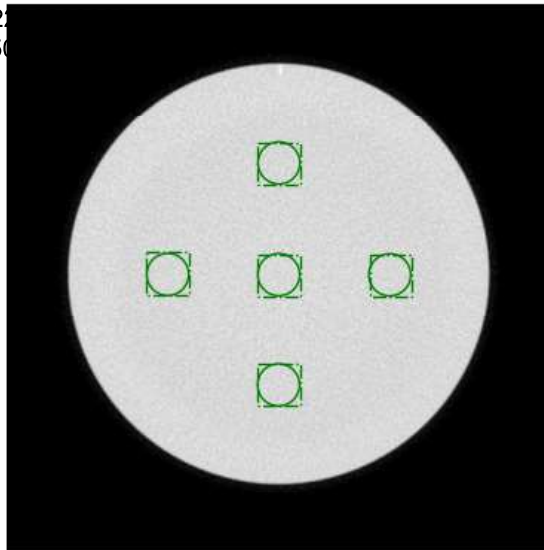
Integral non-uniformity: 0.0044

Uniformity Passed?: True

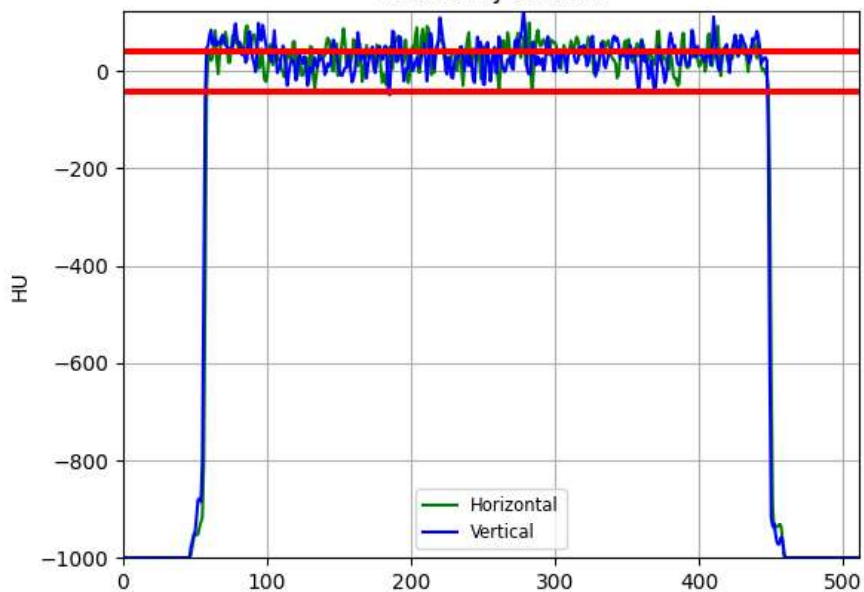
Max Noise Power frequency: 0.2222222

Average Noise Power: 0.255152798125

HU Uniformity



Uniformity Profiles



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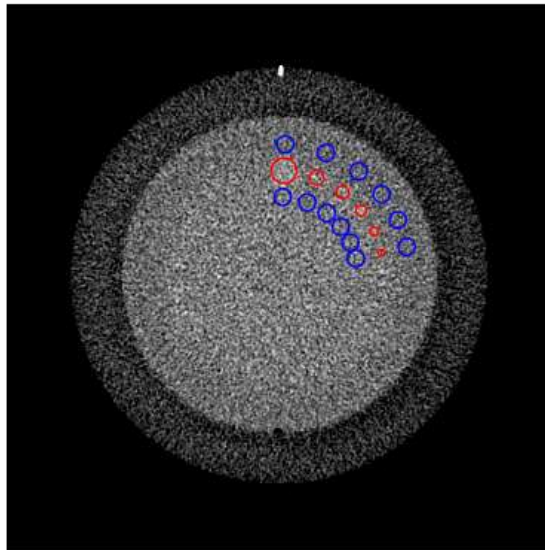
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- CTP515 Results -

CNR threshold: 15

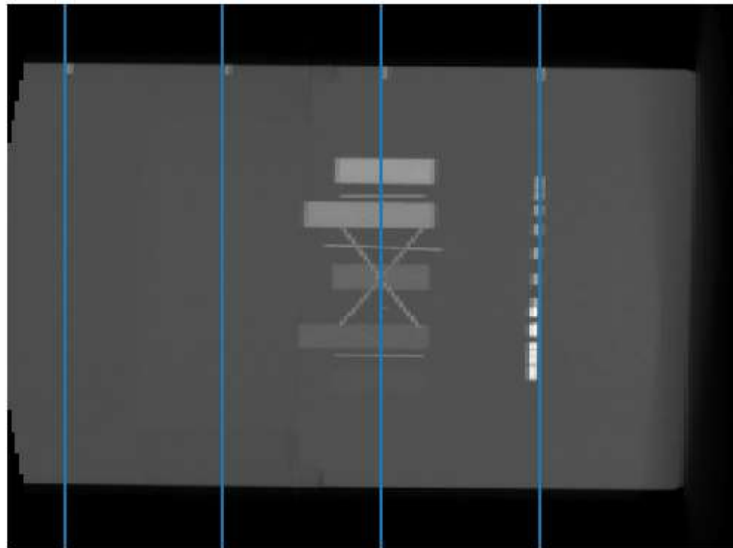
Low contrast ROIs "seen": 0

Low Contrast



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Side View



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