

CT AutoQA Lite Software

Supports the following analysis

- Pixel size (geometric distortion)
- CT linearity or constancy
- Slice thickness
- Localizer and laser alignment accuracy
- Spatial resolution (MTF)
- Noise and Mean CT #
- Uniformity
- Slice sensitivity profile
- Low Contrast – Contrast-to-noise ratio (CNR)

Output available as;

- PDF format, exportable to Excel format
- Data is stored in database folders for trend analysis
- Trend analysis supported

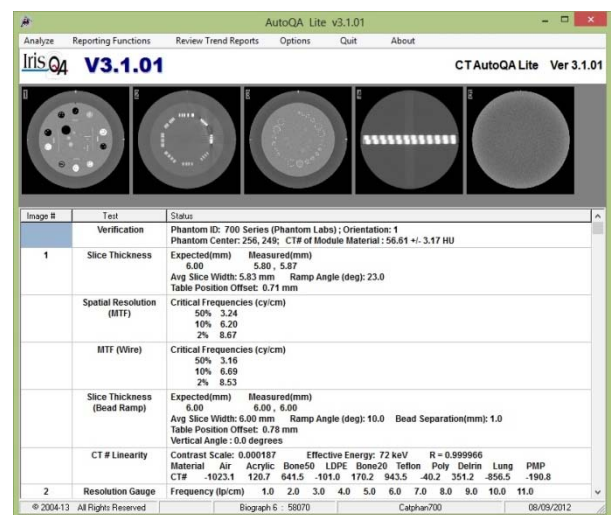


Image #	Test	Status
	Verification	Phantom ID: 700 Series (Phantom Labs); Orientation: 1 Phantom Center: 258, 249; CT# of Module Material: 56.61 +/- 3.17 HU
1	Slice Thickness	Expected(mm) Measured(mm) 6.00 5.80; 5.87 Avg Slice Width: 5.83 mm Ramp Angle (deg): 23.0 Table Position Offset: 0.71 mm
	Spatial Resolution (MTF)	Critical Frequencies (cy/cm) 50% 3.24 10% 6.20 2% 8.67
	MTF (Wire)	Critical Frequencies (cy/cm) 50% 3.16 10% 6.69 2% 8.53
	Slice Thickness (Bead Ramp)	Expected(mm) Measured(mm) 6.00 6.00; 6.00 Avg Slice Width: 6.00 mm Ramp Angle (deg): 10.0 Bead Separation(mm): 1.0 Table Position Offset: 0.78 mm Vertical Angle: 10.0 degrees
	CT # Linearity	Contrast Scale: 0.000187 Effective Energy: 72 keV R = 0.999566 Material Air Acrylic Bone50 LDPE Bone20 Teflon Poly Delrin Lung PMP CT# -1023.1 126.7 641.5 -101.6 170.2 943.5 -40.2 351.2 -856.5 -190.8
2	Resolution Gauge	Frequency (lp/cm) 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0
© 2004-13 All Rights Reserved Biograph 6 58070 Caplan700 08/09/2012		

Supports

- Phantoms: Catphan CTP700, CTP600, CTP500, CTP503 (Elekta), CTP504 (Varian), Gammex 464 ACR , GE, Siemens and Philips system QA phantoms

New Features:

- New trend test to support the Low Contrast CNR measurements
- Available option to save unique baseline and tolerances values for each CT scanner in the trend analysis database