

Module: Automated Phantom QC for MRI

- Meet the latest TJC and ACR QC requirements
- Track key parameters, like center frequency and SNR
- Improve fleet-wide consistency and QC sensitivity with optional phantom-based QC

Centrally Manage MRI QC with QC-Track[®]

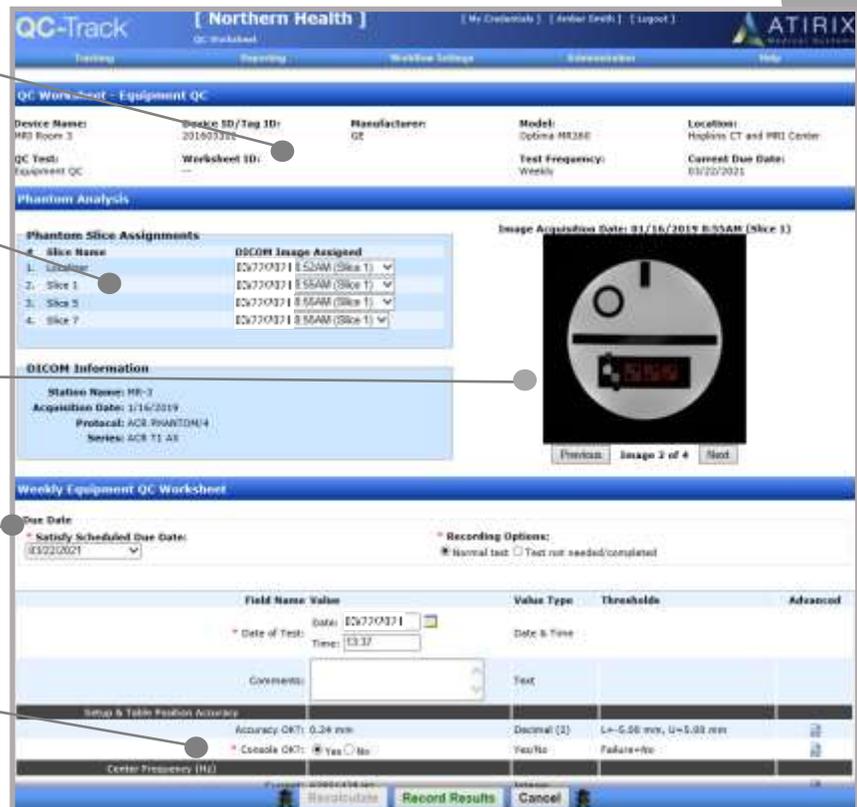
#1 Flexibly handles ACR, manufacturer, and custom analytics

#2 Saves time by automatically assigning images to appropriate device, test, and slice based on DICOM header fields

#3 Ensures consistent ROI size and placement with automated, objective analysis

#4 Ensures QC is done on time every time with detailed scheduling and reminder emails

#5 Controls protocols and standardizes workflows across all imaging units



Reporting Capabilities

- ACR-format reports for ongoing physicist oversight, inspection, and accreditation renewal
- Dynamic reporting to support custom workflows
- Trend reporting to analyze performance over time
- Electronic sign-off to capture annual medical physicist sign off, as required by ACR



Ensure consistent image quality. Reduce inspection risks.

ACR-approved Option: SNR as an Alternative to LCD Spoke Counting

Seeing all the spokes every time? The current ACR phantom was designed for field strengths up to 1.5T. SNR offers an improved method to measure image quality, especially for 3T systems.

SNR and MRI image quality:

- Offers greater sensitivity to subtle performance changes
- Evaluates image quality across a broader range than spoke counting, especially important for 3T units
- Provides a quantitative measure of image quality, eliminating subjectivity

The American College of Radiology (ACR) MRI accreditation program, recognizing the advantages of electronic QC systems, officially acknowledged signal-to-noise ratio (SNR) as an alternative measurement to low contrast detectability for weekly MRI quality control. Angela Snyder, PhD, VP of Advanced Solutions for Atirix Medical Systems advocated for the alternative quality measure, which was approved in 2018.

See the ACR website or contact research@atirix.com for more information.



QC-Track: Complete Paperless QC Solution

With QC-Track, MRI teams now have a system to help meet tracking, trending, and security requirements.

Communication

Emails keep the whole team aware of failed or overdue tests and warn if tests are approaching overdue status. Credential emails alert clinical staff to deficiencies and approaching renewal dates. Event and Document tracking centralize scheduling and emailing for physicist surveys, preventive maintenance, and service.

Accountability

QC Dashboards clarify expectations, highlight issues, and encourage proper QC workflows, including full-circle failure follow-up.

Security

On-prem packaging meets ever-stricter IT security requirements.

Upgrade to an Enterprise QCIS™

Start with QC-Track for MRI, and then enhance your investment and be Always Inspection Ready™ across modalities, including modules for Mammo/FDA EQUIP and Ultrasound HLD/Exam traceability.

Interested? Contact us to learn more about Atirix QC solutions.

877-273-1764 | Atirix.com | QC-Answers@atirix.com

Atirix products are covered by issued and pending patents, including US 8,478,610 "Medical Imaging Device Quality Control System and Method" and US 8,428,969 "System and Method for Tracking Imaging Quality"
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