Technologist Quality Control Procedures

The specific procedures for the Technologist Quality Control Program are those specified in the most current ACR MRI QC Manual.

WEEKLY MRI EQUIPMENT QUALITY CONTROL FOR LARGE PHANTOM

MRI Facility	y Name:						MRI Sca	anner Iden	tifier:				
Date	Setup & Posi	tion	Center of	TX Gain or Attenuation		etric Accur asurement		Spatial R	ontrast esolution	Low-Contrast Detectability	Artifact Evaluation	Tested	Notes
	Accu	racy	Frequency	(dB)	Sag Loc	Axial S	lice 5	Slie	ce 1	Slice #		Ву	
	Accuracy	Console	(Hz)	(UB)	H/F (mm)	A/P (mm)	R/L (mm)	Upper Left	Lower Right	# of Spokes	Any present?		
Action limits:	± 5 mm	Yes/No			148 ± 2 mm	190 ± 2 mm	190 ± 2mm	≤ 1.0 mm	≤ 1.0 mm		Yes/No		

Qualified Medical Physicist/MRI Scientist

Reviewed by:

Date of Review:

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Qualified Medical Physicist/MRI Scientist

Reviewed by:

Date of Review:

LASER PRINTER QC STARTUP WORKSHEET

Day	0% patch	10% patch	40% patch	90% patch
		Start Date:		
Day 1				
Day 2				
Day 3				
Day 4				
Day 5				
Average				

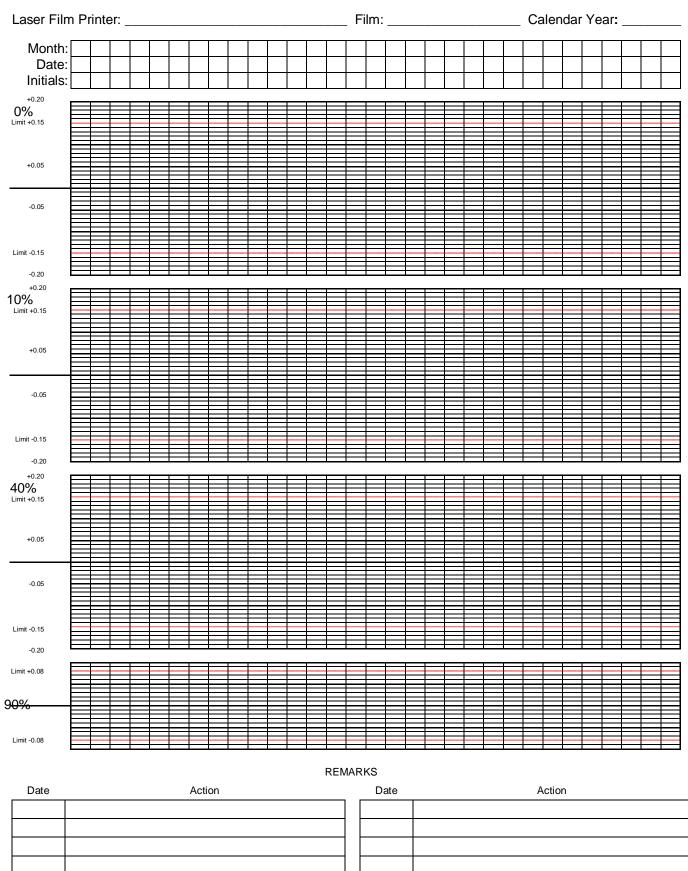
For five consecutive working days and using the SMPTE in the upper left corner of the page, measure the optical density each of the specified patches (0%, 10%, 40% & 90%) of the six-onone printout of SMPTE Pattern as described on pages 53 through 57 of the 2004 ACR MRI Quality Control Manual.

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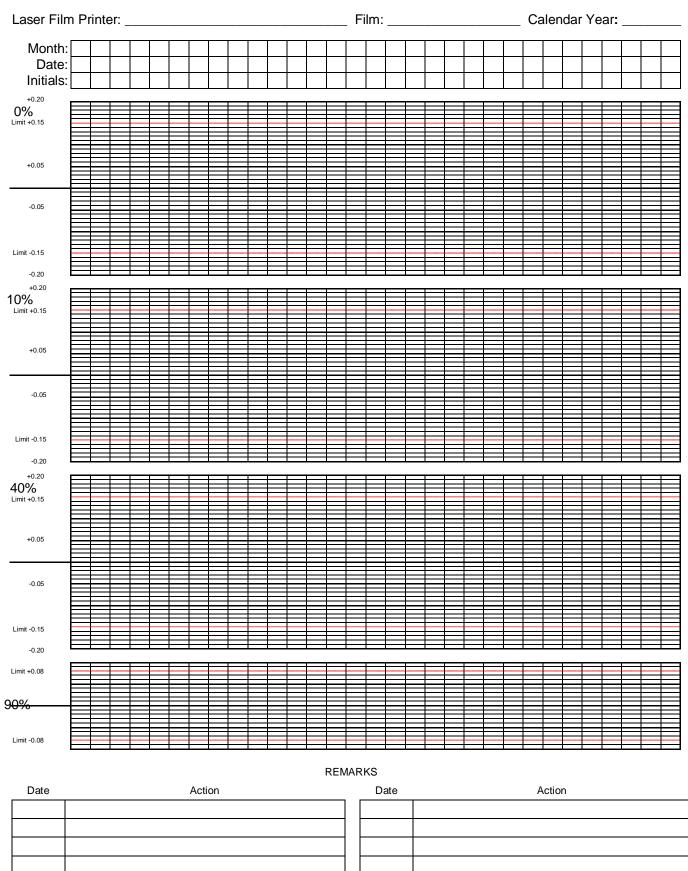
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LASER FILM PRINTER CONTROL CHART – PERFORMED WEEKLY



This Laser Film Printer Control Chart is based upon information available on the ACR web site.

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MRI Accreditation Program Visual Checklist

MRI Facility	Name:	 			 		 			 		IRI	<u>Sca</u>	nne	er I	de	<u>ntif</u>	ier:		 	 	
	Date:																					
	Table position and other displays																					
Patient	Alignment lights																					
Transport and Gantry	Horizontal smoothness of motion and stability																					
	Vertical motion smoothness and stability																					
Filming	Laser camera																				1	
Viewing	Light boxes																					
	RF door contacts																					
	RF window-screen integrity																					
RF Integrity and Control																						
	Patient monitor (if present)																					
	Patient intercom																					
	Room temperature/room humidity																					
	Emergency cart																					
Facility	Safety warning signage																					
Safety	Door indicator switch (if installed)																					
	Cryogen level indicator																					
	Pass = ☑ Fail =F Does Not Apply = NA																					
	Technologist Initials:																					

MRI Accreditation Program Visual Checklist

MRI Facility	Name:	 			 		 			 		IRI	<u>Sca</u>	nne	er I	de	<u>ntif</u>	ier:		 	 	
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COMMENTS/CORRECTIVE ACTION

	Initials
Image: Constraint of the second se	
Image: Sector	
Image: Constraint of the second se	