

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION
**ABOVETABLE X-RAY SOURCE
RADIOGRAPHIC SYSTEMS
FIELD TEST RECORD**

(Use Form FDA 2782, Field Test Record Continuation, if more space is needed.)

**Print Legibly. Use Black
Ball Point Pen. Enter One
Character Per Box. Do Not
Write in Shaded Area.**

FIELD TEST SERIAL NO. (1-8)

AR

REGIONAL REVIEW (NAME)

**Card
No.
(9-10)**

Test Procedure

1.
AR
11 13

Beam Limiting Device Information

2. Manufacturer Mfr. Code
14 17

3. Model No. Unique ID
18 23

Serial No. Date of MFR Mo/Yr
24 36 37 40

X-Ray Table Information:

4. Manufacturer Mfr. Code
41 44

5. Model No. Unique ID
45 50

Serial No. Date of MFR Mo/Yr
51 67 68 71

Component Certification Information

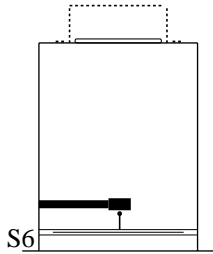
6. Indicate the status of each as follows:
C - Certified V - Certified with a Variance
N - Not certified X - Not Present

72 Beam Limiting Device 73 Table 74 Film Changer

75 Tube Housing Assembly 76 Cradle 77 Other (Specify in Remarks)

78 X-ray Controls 79 High Voltage Generator

Initial Setup:



MDH (Pulse Exposure)
4.5mm Al

7. Means To Indicate When Beam Axis Is Perpendicular to Image Receptor Plane Y--YES N--NO

8. Means To Center Diagnostic Source Assembly Over Image Receptor Y--YES N--NO

9. Indicated Source To image Distance (SID) 13 15 inches OR 16 19 cm

Technique Factors

10. 20 22 kVp over 70 kV

11. 23 26 mA

12. 27 30 sec

13. 32 34 mAs

14. MDH Threshold Setting, 0.5-3 phase, 0.2-1 phase
 0 31

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






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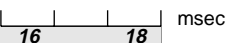














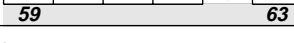
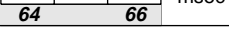

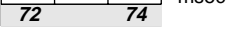
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Beam Quality


11	18.  mR @ 4.5mm Al	15. Technique Factors Indicated Before Exposure  Y--YES N--NO
	19.  mR @ 3.5mm Al	16. If Multiple Tubes Controlled By Single Exposure Switch, Then Indication Of Tube Selection Both At Control Panel And At Selected Tube  Y--YES N--NO X--N/A
	20.  mR @ 2.5mm Al	17. Warning Label Present  Y--YES N--NO
	21.  mR @ 1.5mm Al	
	22. Exposure Terminated After Preset Time Interval, Preset mAs, Or Preset Number of Pulses  Y--YES N--NO	


Reproducibility (no Al in beam)


12	23.  mR	24.  msec	33.  mR	34.  msec
	25.  mR	26.  msec	35.  mR	36.  msec
	27.  mR	28.  msec	37.  mR	38.  msec
	29.  mR	30.  msec	39.  mR	40.  msec
	31.  mR	32.  msec	41.  mR	42.  msec

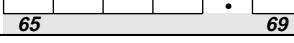
Linearity

43.  mA
If change in mA causes a kVp shift, readjust kVp (if possible) to value selected at Item 10 above.


44.  mR


45.  mR

46.  mR



47.  mR



SID Determination



48. Distance from tabletop to focal spot  cm

49. Distance from UTIR to Base of Test Stand (Y)  cm

PBL X-Ray Field/UTIR Size Comparison

50. Film Dimension Along Table  inches OR  cm


51. Film Dimension Across Table  inches OR  cm

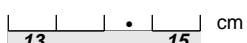
52. Indicated SID  inches OR  cm

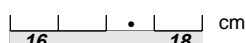
A. Automatically Adjusts X-ray Field
B. Prevents Production of X rays Until Manual Adjustments are Made
C. Not Present (Explain in Remarks)



 11
A, B, or C


53. Type of Positive Beam Limitation (PBL)


54. Is the PBL Currently Operating in Conformance with its Design  Y--YES N--NO

55. Light Field Along Table  cm

56. Light Field Across Table  cm

57. Indicated SID  inches OR  cm

58. Light Field Along Table  cm

59. Light Field Across Table  cm

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PBL Sizing (Continued)

60.	Film Dimension Along Table	<input type="text" value="32"/> <input type="text" value="34"/> inches	OR	<input type="text" value="35"/> <input type="text" value="38"/> cm	
61.	Film Dimension Across Table	<input type="text" value="39"/> <input type="text" value="41"/> inches	OR	<input type="text" value="42"/> <input type="text" value="45"/> cm	
62.	Indicated SID	<input type="text" value="46"/> <input type="text" value="48"/> inches	OR	<input type="text" value="49"/> <input type="text" value="52"/> cm	
63.	Light Field Along Table	<input type="text" value="53"/> <input type="text" value="55"/> cm	64.	Light Field Across Table	<input type="text" value="56"/> <input type="text" value="58"/> cm
65.	Indicated SID	<input type="text" value="59"/> <input type="text" value="61"/> inches	OR	<input type="text" value="62"/> <input type="text" value="65"/> cm	
66.	Light Field Along Table	<input type="text" value="66"/> <input type="text" value="68"/> inches	67.	Light Field Across Table	<input type="text" value="69"/> <input type="text" value="71"/> cm

PBL Operation:

68.	In PBL Mode, Adjustment Possible To Field Size Smaller Than Image Receptor	<input type="text" value="72"/> Y--YES N--NO	69.	Automatic Return To PBL When Image Receptor Is Changed	<input type="text" value="73"/> Y--YES N--NO
70.	X-ray Production Prevented At SID's Where Operation Is Not Intended	<input type="text" value="74"/> Y--YES N--NO			

Actual Versus Indicated Field Size

71.	Beam Limiting Device Numerically Indicates Field Size	<input type="text" value="11"/> Y--YES N--NO	72.	Indicated SID	<input type="text" value="12"/> <input type="text" value="14"/> inches	OR	<input type="text" value="15"/> <input type="text" value="18"/> cm
73.	Film Dimension Along Table	<input type="text" value="19"/> <input type="text" value="21"/> inches	OR	<input type="text" value="22"/> <input type="text" value="24"/> cm			
74.	Film Dimension Across Table	<input type="text" value="25"/> <input type="text" value="27"/> inches	OR	<input type="text" value="28"/> <input type="text" value="30"/> cm			
75.	Light Field Along Table	<input type="text" value="31"/> <input type="text" value="33"/> cm	76.	Light Field Across Table	<input type="text" value="34"/> <input type="text" value="36"/> cm		

15

Illuminance (uncorrected; SID = 42.5" (106 cm))

77.	total	ambient	=	<input type="text" value="37"/> <input type="text" value="39"/> fc	78.	total	ambient	=	<input type="text" value="40"/> <input type="text" value="42"/> fc
79.	total	ambient	=	<input type="text" value="43"/> <input type="text" value="45"/> fc	80.	total	ambient	=	<input type="text" value="46"/> <input type="text" value="48"/> fc

X-Ray Field/Light Field Alignment and Size Comparison

81.	X-Ray Field Along Table	<input type="text" value="49"/> <input type="text" value="51"/> cm	82.	X-Ray Field Across Table	<input type="text" value="52"/> <input type="text" value="54"/> cm
83.	Light Field Along Table	<input type="text" value="55"/> <input type="text" value="57"/> cm	84.	Light Field Across Table	<input type="text" value="58"/> <input type="text" value="60"/> cm
85.	Misalignment Along Table	<input type="text" value="61"/> <input type="text" value="62"/> cm	86.	Misalignment Across Table	<input type="text" value="63"/> <input type="text" value="64"/> cm

X-Ray Field/UTIR Centers Comparison

87.	Centers Misalignment	<input type="text" value="65"/> <input type="text" value="66"/> cm
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