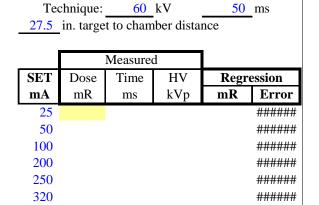
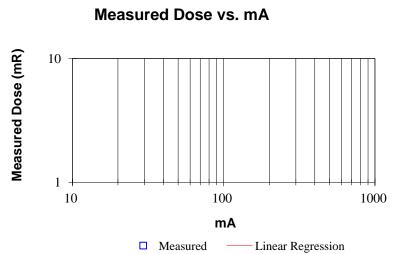
2013 ANNUAL CALIBRATION REPORT RADIOLOGY DEPARTMENT

DATE: 2\12\2008

١.	FACI	LITY							Roo	om No:		Other:	
		MED N	o.					UNIT:			_		
	F	QUIPMI	FNT	1	Manuf	acturer		Г	Model			Serial No.	
	E		NSOLE:		Manu	acturei			Model			Seriai No.	
			TUBE:										
		R A	ATINGS:		Iaximum	tube kV:		kVn	Maximum tul	ne m A ·	mA.	Phase:	3
		I	mvob.		Inherent f					tration	mm Al		
								_			_		
3.				AND E				TY					
	Foo	cal Spot:		_ Fi	ield Size:					Exposu	re vs k	Vp	
							mAs						
	Radcal	Accu-k	V diagno	stic senso	r placed o	on table .			10000 0				
		@		inches fr					10000.0 -				
	Radcal	Chambe	er at:		inches t	from targ	et						
			Measure	d	kV Ac	curacy	Line	arity					
	Set	Dose	Time	HV	Error	Pass/	mR	%					+++++
	kVp	mR	ms	kVp	kV	Fail	regrs.	Error					
	50			•		•		_					
	55												
	60								K 1000.0				
	66								E 1000.0 -				
	70												
	77												
	81												
	85												
	90												
	96												
	102								4000				
	109								100.0		100		1000
	125								1	0	100		1000
	141					_					kV		
				Max.:	0	kV	Max:	0.0%					
				Limit ±	3	kV				Δ	Measured	Regre	ession
	Comm	ents:											
			kV A	Accuracy:									
		E											
				currey.									

C. mA AND EXPOSURE LINEARITY





0 mR/mAs @ 28 inches

Comments:

Regression Avg.:

352

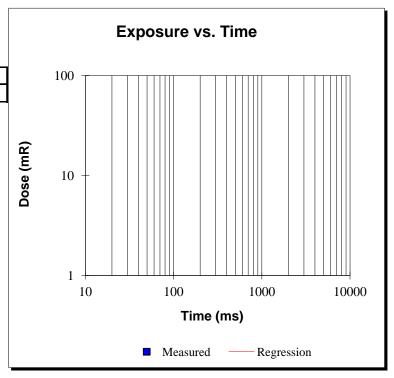
Results:

Action:

D. TIMER AND EXPOSURE LINEARITY

Technique: kV mA
in. target to chamber distance

In. target to chamber distance									
		Measure	d						
SET	Dose	Time	HV	Timer	Regression				
Time	mR	ms	kVp	Error	mR	Error			
16									
25									
32									
50									
63									
100									
125									
160									
200									
250									
320									
400									
500									
630									
800									
1000									



Comments:

Results: Exposures should be linear to within +/-10%

At stations below 0.05 second the exposures are low

######

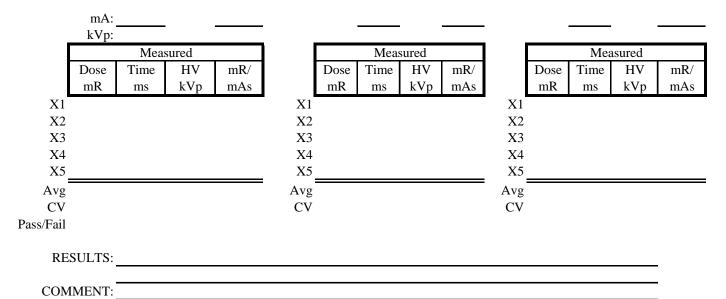
Max. Error: ######

Action: **SERVICE REQUIRED**

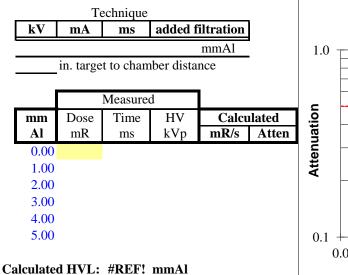
E. EXPOSURE REPRODUCIBILITY

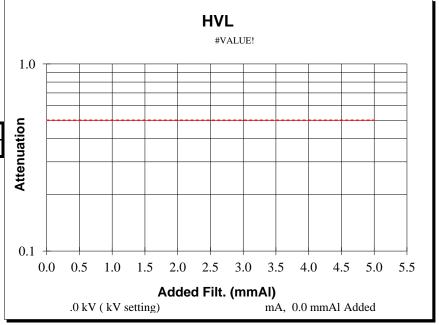
 $Dose \quad Time \quad kVp \quad mR/mAs$

PASS/FAIL Criteria:



F. HALF VALUE LAYER





Comments:

Results: Acceptable

Action: None Required

TABLE: CHEST STAND: Comments: CENTERING OF X-RAY FIELD TO LIGHT FIELD TABLE: Comments: WALL: Comments:

H. LIGHT FIELD/X-RAY FIELD ALIGNMENT

K. MECHANICAL

- 1 Ready light on control panel did light
- 2 Audible beam is working properly.

L. IN AIR EXPOSURE FROM CLINICAL PROTOCOLS

Measurement Distance from Source: 27.5 inches

			_					
_				Measured				
Γ	Generator Settings					HV		
STUDY	KV	mA	ms	mR	ms	kVp		
-	•		-					
ABDOMEN AP	81	987	8.1					
ABDOMEN LA'	90	888	11.2					
CHEST AP	102	784	3.8					
CHEST LAT	102	784	6.4					
SHOULDER AP	66	378	21.1					
CERV. SPINE	66	378	21.1					
LUM. SP. AP	77	1038	11.5					
SKULL	77	12	11.5					
SKULL LAT	73	410	19.4					
HIP & PELVIS								
PELVIS	77	1038	9.6					
HIP	77	1038	9.6					
HIP AX	77	1038	24.0					
LOWER EXTR.								
KNEE	66	378	7.9					
FEMUR/KNEE	66	378	10.5					
HIP/ FUMER	73	1095	9.1					
FOOT	63	365	13.6					
LIDDED EVTD								
UPPER EXTR.	40	261	0.6					
WRIST ELBOW	48 55	261	9.6					
HAND	55 46	316 245	9.5 10.1					
HAND	40	243	10.1					

CALIBRATION PERFORMED BY:

CERTIFIED RADIOLOGICAL PHYSICIST