

DIGITAL OPTIMUM kV

Body Part	kV
Chest (Bucky/Grid)	117-125
Chest (Non Grid)	85-95 (105)
Abdomen	85-95
Abdomen (Iodine)	75-80
Extremities (Table Top)	65-75
Extremities (Grid)	70-80
Extremities (Bucky)	75-85
AP Spines	85-95
C-Spine Lateral	85-100
T-Spine Lateral	85-100
L-Spine Lateral	85-100
Ribs (Upper and Lower)	80-90
Skull	80-90
BE – (Regular)	110-120
BE – (Air Contrast)	100-110
Pediatric:	
Infant Extremities	50-65
Pediatric Chest (Non Grid)	70-85

Dose Exposure Saved at 40" SID							
SID	kV	mAs	Dose (mR)	Radiation Saved (%)	50% EI Decrease (mAs)	50% EI Dose (mR)	Total Dose Reduction (%)
40"	70	20	221.0				
40"	81	10	152.8	30.90%	5.0	76.4	65.43%
40"	85	8	134.8	39.00%	4.0	67.4	69.50%
40"	90	6.3	120.0	45.70%	3.2	60.0	72.85%
40"	96	4	87.0	60.60%	2.0	43.5	80.32%