

## DIGITAL OPTIMUM kV

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

<b>Dose Exposure Saved at 40" SID</b>							
<b>SID</b>	<b>kV</b>	<b>mAs</b>	<b>Dose (mR)</b>	<b>Radiation Saved (%)</b>	<b>50% EI Decrease (mAs)</b>	<b>50% EI Dose (mR)</b>	<b>Total Dose Reduction (%)</b>
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%