

Figure: 25 TAC §289.232(j)(5)(E)(i)(I)

HALF-VALUE LAYER FOR SELECTED kVp

X-ray Tube Voltage (kilovolt peak)		Minimum HVL (mm of aluminum)	
Designed operating range	Measured operating potential	Intraoral dental systems manufactured before or on June 10, 2006	Intraoral dental systems manufactured after June 10, 2006
Below 51	30	0.3	1.5
	40	0.4	1.5
	50	0.5	1.5
51 to 70	51	1.2	1.5
	60	1.3	1.5
	70	1.5	1.5
Above 70	71	2.1	2.1
	80	2.3	2.3
	90	2.5	2.5
	100	2.7	2.7
	110	3.0	3.0
	120	3.2	3.2
	130	3.5	3.5
	140	3.8	3.8
	150	4.1	4.1