

## Dosimetry of the CS 9300 CBCT and Panoramic Unit

Field of View (Listed by Area of Study)	Effective Dose in $\mu\text{Sv}$ (IRCP 2007 Tissue Weights)	Dose as Multiple of typical Panoramic Dose†	Days of per capita background
<b>Dentoalveolar</b>			
5cm X 5cm-Posterior Mandible	88	3.6	11
5cm X 5cm-Posterior Maxilla	46	1.9	6
5cm X 5cm-Anterior Mandible	61	2.5	8
5cm X 5cm-Anterior Maxilla	35	1.4	4
8cm X 8cm Jaw	75	3	9
10cm X 5cm Jaw Maxilla	30	1.2	4
10cm X 5 cm Jaw Mandible	56	2.3	7
5cm X 5cm Anterior Mandible(Child)	18	0.7	2
<b>Craniofacial</b>			
8 cm X 8 cm -TMJ	31	1.3	4
10 cm X 10 cm- Jaw	79	3.2	10
17 cm X 13.5 cm	200	8.2	25
<b>Panoramic</b>			
Full Panoramic	20	0.8	2
<b>Preview/Scout</b>			
17 cm X 13.5 cm- scout view	0.5	0.02	0.06

†24.5  $\mu\text{Sv}$  – Planmeca Promax digital panoramic system

From: Ludlow JB; Dosimetry of CS 9300 Cone Beam CT Unit  
Study conducted June 10, 2011 on the CS 9300 serial number ZAAN009

