

PERFORMANCE
INVESTIGATION BY



Public Health
England

REXTAR-X
TRUE PORTABLE DENTAL X-ray



**400,000
EXPOSURES A YEAR
=20 mSv
SO IT IS SAFE**

POINT	1.0 sec / 5,200 exposures a year
TOP (A)	0.3 mSv
LEFT (B)	0.4 mSv
RIGHT (C)	0.3 mSv
BOTTOM (D)	0.2 mSv
BACK (E)	0.1 mSv
AVERAGE	0.26 mSv

**** Test condition**

- 1.0 second
- Distance : (A),(B),(C),(D) – 50cm / (E) – 108cm behind of REXTAR-X

**** Note: Occupational dose limit per year (UK or European standard) = 20 mSv**

DIGITAL Imaging Creative

POSDION 
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**YOUR SAFETY
OUR PRIORITY**

REXTAR-X
TRUE PORTABLE DENTAL X-ray



50mSv



2.4mSv



0.2mSv



0.1mSv



0.00005mSv



Operator dose limit per year (American standard)  **50mSv**

Operator dose limit per year (UK or European standard)   **20mSv**



Nature radiation dose per year **2.4mSv**



1 time chest X-ray **0.2mSv**



1 time round trip from Korea to Europe **0.1mSv**

REXTAR-X

**1 Time Exposure
0.00005 mSv**



**** REXTAR X Test condition**

- 1.0 second
- Distance : 50cm behind of REXTAR X 8 points / 108cm behind of REXTAR X back part
- Lead/acrylic backscatter shield was fixed at the end of cone

