Super Small!  Super Light!

☞ Convenience of cordless.

- Use the charging battery-pack take-off type.

☞ Great reduction of X-ray exposure.

- Up to 1/7 of existing X-ray systems.

☞ Adopting high-frequency circuit of inverter type.

☞ The most suitable to diverse digital sensors.

- Simultaneous using of digital sensor and film

☞ Auto set Timer

- Automatic exposure time set up by adult and child, according to location of teeth

☞ More than 300 radiography are possible with a single charge of battery.

☞ More compact/weight than existing dental X-ray
# 1. Contents

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2. Preface

Thank you for purchasing the dental X-ray unit of Safari Dental Inc.

This unit has been so developed as to not only take radiographs in analog way using conventional film, but also be used in Dental Digital Radiograph, DDR using digital sensor as well.

Please use following requirement for application.

**Applications**

This product has to be used only for dental diagnosis for taking dental or extra-oral X-ray radiograph

**TYPE B Applied Part**

Type B Applied Part provide the lowest degree of patient protection of all the types of applied part and are not suitable for direct cardiac application.

For proper and safe use of this product, this device has to be used only authorized and qualified personal as doctors and diagnosis and treatment X-ray engineers, and has to be used after fully familiarized with user manual.
3. Safety marks

Warning, caution, and acknowledgement indication in this manual are provided for assuring of proper use of the product to protect the user's safety and to prevent the loss of the property. Therefore the users have to observe these safety requirements.

![Warning]

Warning marks indicate and explain for the cases which might be harm to the user, cause death or property damage.

![Caution]

Caution marks indicate and explain for the cases which might cause harm to the body due to improper use of the product.

![Check]

The check marks indicate and explain for the cases which the user must follow in installation, operation and maintenance/repair of this product.
3.1 Warning

1. In use

• Not to exceed the dose of X-ray that is necessary for image diagnosis.
• Be handled or operated only by qualified personnel.
• Something wrong with the patient during using of the product. Proper actions have to be taken such as stop the using product.
• Stop operating the unit, when there is problem with the unit. Please, contact the authorized A/S center.
• Use the product avoiding the follow places:
  o Where there is chemical material or explosive gas.
  o Where it is damp.
  o Where there is direct ray of light.
  o Where ventilation is poor.
  o Dusty places.
  o Salty places.

• Keep the following temperature and humidity for normal operation of the unit:
  
  o For safe keeping:
    ▪ Temperature: -40~70°C
    ▪ Humidity: 10~90%RH
  
  o During using:
    ▪ Temperature: -10~40°C
    ▪ Humidity: 30~70%RH
  
  o For optimum condition:
    ▪ Temperature: -10~30°C
    ▪ Humidity: 40~60%RH
2. Safekeeping not in use

- Do not keep the unit where it is damp, salty, and dusty, which might cause the bad effects for operating of the unit.
- Do not place the unit long at the place where the temperature changes steeply or in the direct ray of light.
- Do not keep the unit where there is explosive gas or chemical materials.
- Do not keep the battery-pack long in the charger while connecting with the electricity.
- Keep the charged battery-pack in the separate keeping case.

3. Other

- Contact the authorized A/S center in case of the unit is out of order.

Discard

This Symbol indicates waste of electrical and electronic equipment must not be disposed as unsorted municipal waste and must be collected separately. To minimize the risks involved in disposing of these waste products, please contact an authorized representative of the manufacturer or an authorized waste management company for information concerning the decommissioning of your equipment.

3.2 Caution

- Do not expose the unit to the extreme shock or vibration.
- Do not use the unit, placing it at dusty, dirty, and inclined place.
- Do not jerk the connection cable between the charging desk device and the charger.
- Do not allow the patient touch the unit and do not leave the unit within the reach of the patient.
3.3 Confirmation check

- Check the condition of the battery-pack and the unit before using, make sure the proper operation state of the unit.
- Check again the parts of the unit that is touching directly the patient.
- Use the unit according to the procedure for operation.
- Use the unit in the comfortable place where ventilation is good.

- After using of the unit, check indicating lamp for remaining battery without fail and charge the battery if the remaining of the battery is not sufficient.

- For charging of battery-pack, use only the exclusive charger without exception.
- Keep the unit clean by using the clean dry piece of cloth to prevent the terminal of battery-pack from touch of metal and other different materials.
- The unit and parts should have the regular check without fail.
4. Features of product

- Name of product: Portable mobile dental X-ray unit
- Model: SAF-3000
- No need to clutter up with useless power cords thanks to the battery powered pack.
- Graphic LCD window and user-friendly interface by simple button-touch.
- Life time is 5 years.
- LCD window indicates:
  - Exposure time setup by adult and child.
  - Film and digital mode.
  - Operation status of the unit.
  - Remaining of battery.
  - Exposure time setup by part of the teeth.
- Function for user.
  - Simultaneous use of digital and film.
  - Automatic power disconnecting time setup.
  - Continuation of back light time setup.
  - Remaining voltage of battery indication.
- 3-steps time increase level by part of teeth.

(Level 1)  (Level 2)  (Level 3)
5. Product consist

Main unit

Batteries (2X)

Documentation

Remote control

Charger
6. Product description

6.1 Features

Front

- Power button & ready light
- Battery pack cover
- Remote control connector
- Exposure & Ready lights
Product Label

Caution, consult accompanying documents

Date of manufacture

SN Serial number

Manufactured for and distributing by:

SAFARI DENTAL INC
64-46 Boul. des Entreprises
Brossard, Quebec, Canada J7G 2T3

X000.0000

1 800 567-0013 www.safaridental.com

Product name / Nom du produit: Portable Mobile Dental X-ray unit
Device number / Numéro du produit: SAF-3000
Sources of electricity / Source électrique: DC 12-16.8V
Power consumption / Consommation d'énergie: 240W (Max.)
Tube voltage / Tension du tube: 60KV
Tube current / Courant du tube: 2mA
Total filtration / Filtration totale: 2.3mmAl (inherent filtration 0.8 mmAl)

Back

Handle

LCD window

Product label sticker

Time control button
6.2 LCD window and functions

① Adult mode: Adult mode indicates.

② Teeth part of adult: Adult teeth part indicates.

③ Child mode: Child mode indicates.

④ Teeth part of child: Child teeth part indicates.

⑤ Indication of status: Indication of the present operation of the unit.

⑥ Status of battery: Indicate the remaining of battery by 3-steps

⑦ Digital mode icon: Indicates digital sensor is setup and disappears when film mode is setup.
   (Default is film mode)

⑧ Exposure time display: Indicates irradiation time at each part of teeth mode.

⑨ 3-step time increase level by part of teeth.
6.3. **Description of the buttons and functions**

- **On/off button**: Turn on/off the unit
- **Time control button**: Time setup by each teeth mode (24 steps in each mode).
  - button : Time increase
  - button : Time decrease

6.4 **Description of the light and functions**

- **On/off light**: On : blue, Off : none
- **Ready/Exposure light**: (ready) : green, (exposure) : red
6.5 Installation of the remote control

Allows the professional not to be exposed by using the remote control.

Use only approved remote control.
6.6 Replacement and charge of the battery-pack

The battery pack replacement.

- If LOW battery direction ramp is blinking or LOW battery sign appears on battery pack residual quantity expression. (  0  0  0  0  )
- Turn off the power when the LOW battery sign appears. Please open the battery pack cover and change with extra battery pack.
- Fixing lever down and then pull the cover forward for opening the battery pack cover.
- Put correctly guide line of the pack top portion and battery pack insertion slot of device.
- Please close cover after making sure whether battery pack came into end certainly.

Please change battery pack when LOW battery sign of LCD screen blinking for expend the length of using battery pack.

When change battery pack, please take care not to drop battery pack.

Please keep the following rules whenever charging the battery pack

- Use only appointed charger and battery pack.
- Keep apart the battery pack in the special storage case after charging completed.
- Avoid the recharge for charge completed pack.
- Take care not to contact the metal goods of coin, key, clip etc. on the battery terminal plate.
6.7 Battery-pack charge

- Please power plug of AC code to concert after connect device for charger and charger.
- Please thread battery pack when battery pack is inserted to battery pack holder to direction that is correct on slot of device for charger.
- If the charge is completed, charge lamp changes from red color to green.
- When segregate battery pack in device for charger after charge is completed, please pull backward and segregate battery pack holder.

Keep the battery pack separately or unplugged after charge lamp changes green or not in use.

Battery pack is consumer goods
Duration of battery-pack is shorted slowly than first purchase. Please buy new battery pack if duration decreases by half than when use first. Purchase inquires in the A/S center.

Exhaust of battery pack
Used battery pack should not throw away in trash but please put that in the recycling box or exclusive case.
6.8 Use of mobile stand (K3)

- 5 axes arms for a 360° flexibility
- Epad support (Tablet not included)
- X-ray unit support
- Accessories plate
- Always lock the wheels during use
- Base with 6 lock double wheel
- 27 inch
6.9 Use of mobile stand (K2)

Always keep the wheels locked when in use

Arms on pivot for a 360° flexibility

Accessoires plate

Counterweight

Base with 5 lock double wheel

27 inch

X-ray unit support with ball joint
7. Operation

7.1 Starting and ending of the unit

- Press the power button during “1 second” then logo will appear and become initial stage.

- Press the power button during “1 second” in active state, power turns off.

7.2 X-ray generating time control

- ↑: Increase time set-up

- ↓: Decrease time set-up

7.3 Relation between X-ray generating time and part of teeth (Table)

<table>
<thead>
<tr>
<th>Adult Mode</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film Mode(s)</td>
<td>0.20~</td>
<td>0.35~</td>
<td>0.50~</td>
<td>0.65~</td>
<td>0.80~</td>
<td>0.95~</td>
<td>1.10~</td>
</tr>
<tr>
<td>Digital Mode(s)</td>
<td>0.05~</td>
<td>0.20~</td>
<td>0.35~</td>
<td>0.50~</td>
<td>0.65~</td>
<td>0.80~</td>
<td>0.95~</td>
</tr>
</tbody>
</table>

*Indication of 3-step time increase level by part of teeth.*
7.4 X-ray exposure

- Using Remote Control.
- After choosing your settings, press the button on the remote control to take a radiograph
  - The alarm sound is not audible and lights visible only during the activation of the button.
  - The indicator of the state of the device changes from ready to exposure.

- The indicator lights change color from green to red

X-ray is generated only while remote button is pressed. So even though the buzzer sound is being made, the generation of X-Ray stops when taking the hand off the button.

Do not allow any material to absorb x-rays obstructions between the device and the patient.

Exposure time set-up is kept in memory when turning off the unit. Make sure to review set-up time for next use.
7.5 User set up mode

- At the status of power on, pressing the [ ] and [ ] together and then releasing, you will enter into User Set-up Mode

<table>
<thead>
<tr>
<th>MENU: ▲</th>
<th>CHANGE: ▼</th>
</tr>
</thead>
<tbody>
<tr>
<td>■ Mode: Film</td>
<td></td>
</tr>
<tr>
<td>□ Power-save: 5 min</td>
<td></td>
</tr>
<tr>
<td>□ Back-light: 1 sec</td>
<td></td>
</tr>
<tr>
<td>Bat: 15.5V</td>
<td>Ver: 1.01</td>
</tr>
<tr>
<td>Exp: 000000</td>
<td></td>
</tr>
</tbody>
</table>

- Move between menu: button ▲
- Change the set up value: button ▼
- Exit the user set up mode: After turning off the unit by pressing [ ], turn on the unit again, then unit starts with changed mode and set up value
- Menu explanation:
  1. Mode: Film; film/digital mode indicates
  2. Power-save: automatic power disconnection time (default: 5 min)
  4. Bat: remaining voltage of battery
  5. Exp: the number of time of EXPOSURE of the unit
  6. Ver. 1.01: version of the unit
① Film/Digital mode

- Using button, locate the menu in “Set up Mode” position, and by pressing the button, film mode or digital mode can be selected.

- When digital mode is selected, the digital mode icon is displayed as followings

<table>
<thead>
<tr>
<th>MENU: ▲ CHANGE: ▼</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Mode: Digital</td>
</tr>
<tr>
<td>□ Power-save: 5 min</td>
</tr>
<tr>
<td>□ Back-light: 1 sec</td>
</tr>
<tr>
<td>Bat: 15.5V</td>
</tr>
<tr>
<td>Exp: 000000</td>
</tr>
</tbody>
</table>

For film mode, exposure time is from 0.2s up to 1.35s, for digital mode, exposure time is from 0.05s up to 1.20s, each mode has 24 steps of ranges.

② Automatic power disconnection time

- While the unit is not in use, the power is automatically disconnected following by the set-up time in order to save unnecessary power consumption.

- Default is set-up as 5 minute and it could be adjusted by 1 minute. Can be adjusted to the convenience of the user from 1 minute up to 10 minutes.

③ Back light activating time

- The light illuminating time can be set for LCD window.
- Basically, setting value of 1 second is given and can be adjusted by 1 second up to 10 second for user convenience.
7.6 Battery pack

Change with the extra battery pack when the LOW battery direction lamp starts flicking.

- Turn off.
- Please open battery pack cover (side of product) by pulling forward after pressing lever down and change with extra battery pack.
- Recharge the low power battery pack or install the additional, fully charged spare battery pack if available. Put proper extra battery pack into insertion slot following guide line.
- Please close cover after making sure battery pack is properly inserted.

[Auto power off]

- Power lamp flicking or LOW battery indication appears on LCD screen, stop using and replace with the charged battery-pack.
- If use continuously without replace of battery after LOW battery patent appears, the power will be shut off automatically.
8. Maintenance and Keeping

- Keep the unit and the battery-pack where only authorized personnel can access.
- Please clean often the product by using piece of cloth and to keep radiation apertures clean because patients are contacted directly.
- Do not put the unit close to the heat such as stove and heating device during using.
- Please do not remodel device arbitrary.
- For safe use, it is recommended to have the unit checked regularly at the designated A/S Center.
- For using and keeping, avoid as following places:
  - Damp places;
  - Places in the direct ray of light;
  - Dusty places;
  - Moist places;
  - Places in poor ventilation;
  - Salty places;
  - Where there is explosive gas or with chemicals.
- For normal operation, following temperature and humidity have to be kept:
  - For safe keeping:
    - Temperature: -40~70°C
    - Humidity: 10~90%RH
  - During using:
    - Temperature: -10~40°C
    - Humidity: 30~70%RH
  - For optimum condition:
    - Temperature: -10~30°C
    - Humidity: 40~60%RH
• Safe keeping
  o Keep the unit avoiding the place where it is damp or under direct ray of light.
  o Do not keep the unit where it is dusty, dirty, and sloping.
  o When the unit is not in use for long, remove the battery-pack and keep it separately.

• Safe-keeping of the charger and the table-top device for charging
  o Care has to be taken not to let the foreign material be stick at the terminal of the charging device. It has to be kept after lightly cleaning with cotton bud or soft cloth.
  o When not in use, take the plug off the outlet, and when it will not be used for long, keep it in the case.
  o Be careful of metal material such as coins, key, and clip, etc. do not come in contact with terminal plate of battery-pack or charger.
  o Do not attempt to use charger with other makers' battery.

• Daily / monthly tests and annual maintenance
  o Daily tests
    ▪ When turned on power of product, please confirm whether on sound is heard and normal early screen appears.
    ▪ Change establishment investigation time using manufacturing button and time confirms whether is changed normally in display.
    ▪ Please confirm whether buzzer sound is heard and "EXPOSURE" phrase and investigation lamp of LCD screen are seen normally at X-ray exposure.
    ▪ Please confirm charging of battery pack and normal operation existence.
  o Monthly tests
    ▪ Please confirm whether duration of use of used battery pack is suitable. Buy new battery pack if duration of use decreases comparing with first usage by half.

Battery pack is consumer goods, duration of use is shorted slowly than bought.

  o Annual maintenance
    ▪ Every year for safe use of product, safety check-up is necessary.
## 9. Instruction & Troubleshooting guidelines

User should check below symptoms list before asking repair.

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery indication lamp is flicking</td>
<td>- Check the remaining battery, and replace with charged battery.</td>
</tr>
<tr>
<td></td>
<td>- Ensure if the battery-pack cover is properly closed, and if the cover open, close the cover completely to the end.</td>
</tr>
<tr>
<td>The sound of Power On or LCD window does not work when the unit is turned on</td>
<td>- Check if the battery-pack is loaded or replace the battery-pack.</td>
</tr>
<tr>
<td></td>
<td>- If the battery will not be used for long time, separate the battery from the unit for prevention discharge.</td>
</tr>
<tr>
<td>LCD window is not lit after the sound of Power On is heard</td>
<td>- Check if the battery-pack is loaded or replace the battery-pack.</td>
</tr>
<tr>
<td></td>
<td>- (If the status remain same even after having replaced the battery, contact with the designated A/S Center for repair)</td>
</tr>
<tr>
<td>The power turns off itself while in use</td>
<td>- Check if the battery-pack is loaded or replace the battery-pack.</td>
</tr>
<tr>
<td></td>
<td>- This unit features automatic power disconnection to save the unnecessary consumption of the battery-pack. Check the set-up of the automatic power disconnection.</td>
</tr>
</tbody>
</table>
10. Quality Guaranteed

- This product is warranted its quality from the date of purchase to one-year.
- It is hard to recognize the warranty period; the warranty is applicable three months after it was manufactured.
- Products defects by itself or improper workmanship, the product will be either repaired free of charge or exchanged according to the status of the product.
- Even within the warranty period, if the damage is caused by failure of the user, free of charge is not applied.
- The attached level for sealing is broken, free of charge and warranty is not applied.
- The repair at the place any other than designated A/S Center is excluded from warranty.
- The service period will not be extended for the product which was repaired with charge or free of charge.
11. Specifications

- **Manufacturer**: Safari Dental Inc.
- **Name of medical equipment**: Portable mobile dental X-ray unit
- **Product number**: SAF-3000
- **Classification**: Class II
- **Type of protection against electric shock**: Internal powered equipment
- **Degree of protection against electric shock**: TYPE B Applied part
- **Tube voltage**: 60kV (fixed)
- **Tube voltage accuracy**: ±5%
- **Tube current**: 2mA (fixed)
- **Voltage range**: 12V ~ 16.8V DC
- **Power consumption**: 240W Max.
- **X-ray tube focal size**: 0.8mm
- **Cooling system**: Oil cooling
- **Total filtration**: 2.3mm Al
- **Target angle**: 19 ~ 20°
- **Time set-up function**: 0.05 à 1.35 second (Film/Digital)
- **Time set-up accuracy**: ±5% for each time of possible exposition
- **Source to image receptor distance**: > 20cm (fixed by cone)
- **X-ray field**: 60mm (round style)
- **Size of main body**: 139mm (W) x 163.5mm (H) x 230 mm (P)
- **Weight of body**: about 1.8Kg (except the battery pack)
- **Applications**: This product has to be used only for dental diagnostic X-ray system for dental or extra-oral X-ray radiograph
- **Please use this device with the mobile support as shown in the illustration on pages 17 and 18.**
Battery pack

- Material: Polymer & Lithium
- Charge condition
  - Current: 1.0 A
  - Voltage: 16.8 VDC
  - Temperature: 0°C – 40°C
- Use condition
  - Max. current: 20A
  - Voltage range: 12 (min) – 16.8Vdc (Max)
  - Temperature: -20°C à 60°C

• Charger
  - Model: JBL910A-1600
  - Input voltage: 100 à 250 VAC
  - Output voltage: 16.8 VDC
  - Current: 1.0A

• X-ray tube
  - Model: D-081B
  - Manufacture: TOSHIBA
  - Electrical data
    - Circuit: Self-rectified (Center-grounded)
    - Operating Tube Voltage: 60Kv ±5%
    - Focal Spot: 0.8 mm
    - Max. Input Energy (at 1.0s): 600W (refer to rating charts)
  - Output voltage: 16.8 VDC
  - Current: 1.0A
  - Mechanical data
    - Target angle: 20 degrees
    - Inherent filtration: 0.8 mm Al
    - Cooling method: Oil cooling
  - Temperature characteristics
    - Anode Heat Storage Capacity: 6.0 kJ(8.5KHU)
    - Max. Anode Heat Dissipation Rate: 128 W(180 HU/s)
• **Maximum Rating Charts (Absolute Maximum Rating Charts).**

![Maximum Rating Charts](image)

- **Focal Spot: 0.8 mm**

- **Exposure Time:**

  ![Exposure Time Graph](image)

  - **Focal Spot:** 0.8 mm

- **Exposure Time (s):**

  ![Exposure Time Graph](image)

  - **Tube Current (mA):**

  ![Tube Current Graph](image)

  - **60 kV**

• **Emission & Filament Characteristics**

![Emission & Filament Characteristics](image)

- **Self-Rectified**

- **Tube Current (mA):**

  ![Tube Current Graph](image)

  - **60 kV**

  ![Emission & Filament Characteristics Graph](image)

  - **Filament Current (A):**

  ![Filament Current Graph](image)

  - **EF**

  - **Filament Voltage (V):**
• **Anode Thermal Characteristics**

![Graph showing heat storage over time for different power levels.]

- Distance from focal spot to radiation aperture and the diameter of X-ray field.
12. Electro-Magnetic Compatibility (EMC)

- As this product is used without connection of a cable, there is no EMC risk.
- This product has EMI characteristics, less than 4.9dB at 1000MHz, which may make an interference with another device having similar characteristics. Avoid use together with these devices (Refer to table 1)
- Keep away from devices which make a serious radiation noise or a strong electromagnetic field.
- As this product is not used with cable, there is no risk of EMC interference with another device through the cable. If this product is remade for connection with another device or part intentionally, it will make an interference with another device, the manufacture doesn't take responsibility for risk of EMC (Refer to EMC part of Service manual).

**Electro-magnetic interference**

- Radiated emission (electric field) : 30Mhz ~ 1000MHz
- Min. limit margin: 4.9 dB at 1000 MHz
- Radiated emission data

**Table 1**

<table>
<thead>
<tr>
<th>Freq. MHz</th>
<th>Antenna Pol.</th>
<th>Reading level dBuV</th>
<th>Correction (AF+CL) dB/m</th>
<th>Emission level dBuV/m</th>
<th>Limit (10m) dBuV/m</th>
<th>Margin dBu/V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>H/V-</td>
<td>&lt;2.0</td>
<td>30.1</td>
<td>&lt;32.1</td>
<td>37</td>
<td>&gt;4.9</td>
</tr>
</tbody>
</table>
# Electro-magnetic susceptibility

Table 2

<table>
<thead>
<tr>
<th>Radiated Field</th>
<th>Frequency range</th>
<th>Field strength</th>
<th>Modulation</th>
<th>Frequency step</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>80-2500 MHz</td>
<td>3 V/m 10 V/m</td>
<td>AM 80%</td>
<td>1% / 3s</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1KHz sine wave</td>
<td></td>
</tr>
<tr>
<td>Magnetic Field</td>
<td>Test frequency</td>
<td>Field level (EMF)</td>
<td>Duration</td>
<td>Axis of orientation</td>
</tr>
<tr>
<td></td>
<td>50 Hz</td>
<td>3 A/m</td>
<td>60 seconds par axis</td>
<td>X, Y, Z axis</td>
</tr>
</tbody>
</table>
13. Radiation safety

- Concerned about safety?
  - This portable mobile dental X-ray unit have a generator tube securely sealed in multiple layers of radiation-shielding Lead (Pb).
  - These layers prevent radiation from leaking out the sides of the machine. **IN CANADA YOU MUST USE STAND & 3 METERS REMOTE CONTROL**
  - Authorize to sale by Health Canada, FDA, CE, TUF (Germany), Japan USA, and many more.
• **Leakage radiation**
  - It meets radiation emitting devices act.
  - The following is leakage radiation at 1cm from the casing. Unit: [mR/h, (mGy/h)]

<table>
<thead>
<tr>
<th>Value (mR/h)</th>
<th>Value (mGy/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.93(0.0393)</td>
<td>1.43(0.0143)</td>
</tr>
<tr>
<td>0.04(0.0004)</td>
<td>7.19(0.0719)</td>
</tr>
<tr>
<td>5.23(0.0523)</td>
<td></td>
</tr>
<tr>
<td>7.8(0.078)</td>
<td></td>
</tr>
<tr>
<td>5.85(0.0585)</td>
<td></td>
</tr>
</tbody>
</table>

  Leak irradiation at 1cm from case surface is less than 8mR/h(0.08mGy/h)

• **Strayed radiation**
  - The following designate significant zone of occupancy.
  - Please put private protection devices within this area.

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**Test result**

![Graphs showing test results for leakage and strayed radiation](image-url)