Owner's Manual
Arm-type Fully Automatic
Digital Blood Pressure Monitor
Model DBP-6279B

Thank you for purchasing the DBP-6279B Blood Pressure Monitor. The unit has been constructed using reliable circuitry and durable materials. Used properly, this unit will provide years of satisfactory use.

Measure blood pressure (systolic and diastolic) and pulse rate of adults and adolescents age 12 through 21 years of age. All functions can be used safely and values can be read out in one LCD DISPLAY. Measurement position is on adult upper arm only.

Blood pressure measurement determined with this device are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultation method, within the limits prescribed by the Recognized Consensus Standard (IEC 81060-2-30) for electronic sphygmomanometers.

Precautions to Ensure Safe, Reliable Operation
1. Do not drop the unit. Protect it from sudden jars or shocks.
2. Do not insert foreign objects into any openings.
3. Do not attempt to disassemble the unit.
4. Do not crush the pressure cuff.
5. If the unit has been stored at temperatures below 0°C, leave it in a warm place for about 15 minutes before using it. Otherwise, the cuff may not inflate properly.
6. If the unit has been stored at temperatures above 40°C, leave it in a cool place for about 15 minutes before using it. Otherwise, the cuff may not inflate properly.
7. Do not store the unit in direct sunlight, high humidity or dust.
8. To avoid any possibility of accidental strangulation, keep this unit away from children and do not drape tubing around your neck.
9. Ensure that children do not use the instrument unsupervised; some parts are small enough to be swallowed.
10. Some may get a skin irritation from the cuff taking frequent readings over the course of the day, but this irritation typically goes away on its own after the monitor is removed.

Contact Information
The lay operator or lay responsible organization should contact the manufacturer or the representative of manufacturer, - for assistance, if needed, in setting up, using or maintaining the product, or - to report unexpected operation or events.
Manufactured by JOYTECH Healthcare Co., Ltd.
No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou City, 311100 Zhejiang, China
Email: info@sejoy.com
Telephone: +86-571-81957767
Fax: +86-571-81957750

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Federla Commulcation Commission (FCC) Interference Statement

1. This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
2. This device is verified to comply with part 15 of the FCC Rules for use with cable television service.
3. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference, and
   (2) this device must accept any interference received, including interference that may cause undesired operation. Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
   — Reorient or relocate the receiving antenna.
   — Increase the separation between the equipment and receiver.
   — Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
   — Consult the dealer or an experienced radio/TV technician for help.
5. This equipment complies with radio frequency exposure limits set forth by the FCC for an uncontrolled environment.
6. This device must not be co-located or operating in conjunction with any other antenna or transmitter.
7. Essential performance:
   - Electrosurgery interference recovery
     Refer 202.6.2.101 IEC 80601-2-30
   - Limits of the error of the manometer
     Refer 202.12.1.102 IEC 80601-2-30
   - Reproducibility of the BLOOD PRESSURE DETERMINATION
     Refer 201.12.1.107 IEC 80601-2-30

Unit Illustration

Monitor Unit

Arm Cuff
Medium size cuff (fits arm circumference: 22.0 cm - 36.0 cm).

If air is leaking from the arm cuff, replace the arm cuff with a new one. It is generally recommended to have the cuff replaced timely to ensure correct functioning and accuracy. Please consult your local authorized Sejoy distributor or dealer.

WARNING SIGNS AND SYMBOLS USED

- Keep Dry
- Keep off Sunlight
- Type BF Equipment
- Instructions For Use MUST Be Consulted
- Discard the used product to the recycling collection point according to local regulations

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Important Testing Guidelines

1. Avoid eating, exercising, and bathing for 30 minutes prior to testing.
2. Sit in a calm environment for at least 5 minutes prior to testing.
3. Do not stand while testing. Sit in a relaxed position while keeping your arm level with your heart.
4. Avoid speaking or moving body parts while testing.
5. While testing, avoid strong electromagnetic interference such as microwave ovens and cell phones.
6. Wait 3 minutes or longer before re-testing.
7. Try to measure your blood pressure at the same time each day for consistency.
8. Test comparisons should only be made when monitor is used on the same arm, in the same position, and at the same time of day.
9. This blood pressure monitor is not recommended for people with severe arrhythmia.
10. Do not use this blood pressure monitor if the device is damaged.

Any blood pressure recording can be affected by the following factors:
1. The position of the subject, his or her physiologic condition;
2. The performance and accuracy of the device;
3. Cuff size: too small cuff (bladder) will produce a higher blood pressure value than usual, too big cuff (bladder) will produce a lower blood pressure value;
4. Measuring position does not keep level with your heart;
5. Speaking or moving body parts while testing;
6. Not relaxing for about 5 minutes before taking the measurement.

Unit Operation

Battery Installation

Slide battery cover off as indicated by arrow. Install 4 new AA alkaline batteries according to polarity. Close battery cover.

AC Adapter jack is on the back side of the monitor. Medical AC adapter (DC 5.0 V, 1000mA) can be used with the device (recommended, not provided). The adapter connect pin should be positive inside and negative outside with a 2.1 mm coaxial joint. Do not use any other type of AC adapter as it may harm the unit.

Note: Power supply is specified as part of ME EQUIPMENT.
Unit Operation

System Settings

With power off, press "SET" button to activate System Settings. The Memory Group icon flashes.
1. Select Memory Group
   While in the System Setting mode, you may accumulate test results into 2 different groups. This allows multiple users to save individual test results (up to 60 memories per group.) Press "MEM" button to choose a group setting. Test results will automatically store in each selected group.

2. Time Format setting
   Press "MEM" button again to set the Time/Date mode. Set the year first by adjusting the "MEM" button. EU means European Time US means U.S Time.

3. Time Format setting
   Press "SET" button again to set the Time/Date mode. Set the year first by adjusting the "MEM" button. Every time the "SET" button is pressed, it will lock in your selection and continue in succession (month, day, hour, minute, 12/24 hours).

4. Unit Setting
   Press "SET" button to enter unit setting mode. Set format by pressing the "MEM" button.

5. Voice Setting
   Press "MEM" button to enter voice setting mode. Set voice format ON or OFF by pressing the "MEM" button.

6. Voice Setting
   Press "SET" button to enter volume setting mode. Set the voice volume by adjusting the "MEM" button. There are six volume levels.

7. Saved Settings
   While in any setting mode, press *START/STOP* button to turn the unit off. All information will be saved.

Note: If unit is left on and not in use for 3 minutes, it will automatically save all information and shut off.

Applying the Arm Cuff

1. Firmly insert air plug into opening located on behind side of monitor unit.

2. With sticky nylon section facing outward, insert end of cuff underneath metal ring of cuff.

3. Fasten cuff about 1-2cm (0.4-0.8") above the elbow joint. For best results apply cuff to bare arm and keep level with heart while testing.
Testing

1. Power On
Press and hold "START/STOP" button to turn the unit on. The LCD screen will appear for one second as unit performs a quick diagnosis. A voice tone will indicate when unit is ready for testing.

Note: Unit will not function if residual air from previous testing is present in cuff. The LCD will flash "        " until pressure is stabilized.

Irregular Heartbeat Indicator
If the monitor detects an irregular heart rhythm two or more times during the measuring process, the Irregular Heartbeat Symbol "        " appears on screen along with measurement results. Irregular heartbeat rhythm is defined as rhythm that is either 25% slower or faster than the average rhythm detected while measuring systolic blood pressure and diastolic blood pressure. Consult your physician if the Irregular Heartbeat Symbol "        " frequently appears with your test results.

Power Off
The "START/STOP" button can be pressed to turn off the unit in any mode. The unit can turn off the power itself about 3 minutes no operation in any mode.

Safety Precaution: If pressure in arm cuff becomes too extreme while testing, press the "START/STOP" button to turn power off. The cuff pressure will rapidly dissipate once the unit is off.

Arm Shake Indicator
If there is arm movement during the measurement, "        " may be shown. Indicates that it may lead to abnormal accurate measurement results. At this time, the LCD will display " Err".

Cuff loose Indicator
When starting the measurement, "        " will be displayed when the cuff is properly wound. When the cuff is too loose, "        " will be displayed. At this time, please wear the cuff correctly and start measuring again.

Note: Do not insert air plug into opening located on right side of monitor unit. This opening is designed for an optional power supply only.

2. Testing
After cuff inflation, air will slowly rise as indicated by the corresponding cuff pressure value. A flashing "        " will appear simultaneously on screen signaling heart beat detection.

Note: Keep relaxed during testing. Avoid speaking or moving body parts.

3. Result Display
The screen will display measurements for systolic and diastolic blood pressure with voice broadcast. An indicator representing the current measurement will appear next to the corresponding WHO Classification.

Note: Refer to Page 23~24 for detail WHO Blood Pressure Classification Information.

Last 3 Tests Average
With power off, press the "MEM" button to activate screen display. After the unit performs a self-diagnosis, the screen will display the average test results from the last 3 readings of the last group used. The "AVG" symbol will appear along with the corresponding WHO Blood Pressure Indicator. The Memory Check mode can be accessed by pressing "MEM" button. To check the average results from other groups, select the desired group first prior to activating "SET" button in the off position. (See "Select Memory Group" on Page 11)

Memory Check
You may check past test results by using the "MEM" button. The most recent test result and oldest test result in memory can be viewed by pressing and holding the "MEM" button. Upon activating test results, you can press the "MEM" button to scroll through all test results stored in memory.
Unit Operation

Memory Deletion
Memory for a selected group may be deleted while in Memory Check mode. Press and hold the "SET" button for approximately 3 seconds to delete all memory records from the selected group. With voice broadcast "Memory Clear" and then transfer into testing mode. Press the "START/STOP" button to turn the unit off.

Low Battery Indicator
The unit will broadcast "Low Battery" when battery life is depleting and unable to inflate cuff for testing. The " " appears simultaneously for approximately 5 seconds prior to shutting off. Replace batteries at this time. No memory loss will occur throughout this process.

Unit Operation

- Pairing your monitor with a Smart Device
1. Open the "blood pressure monitor" and follow the pairing instructions shown on your smartphone.
   The date and time on your monitor will automatically be set when you pair it with your smartphone.

2. Confirm that your monitor is connected successfully.
   When your monitor is connected successfully to your smartphone, it will display like below.

3. Press the BP [START/STOP] button to turn your monitor off.

- Transfer your readings
1. As soon as your measurement is complete, open the app on your smartphone to transfer your readings.
2. You can view your blood pressure readings on the app.

Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood pressure results are not within typical range</td>
<td>Cuff is too tight or not properly positioned on the arm</td>
<td>Firmly reposition cuff approximately 2cm (1/2&quot;) above the elbow joint (See Page 12)</td>
</tr>
<tr>
<td>Inaccurate test results due to body movement or monitor movement</td>
<td></td>
<td>Sit in a relaxed position with arm placed near heart. Avoid speaking or moving body parts while testing. Make sure the monitor unit is placed in a stationary position throughout the testing period. (See Page 7)</td>
</tr>
<tr>
<td>Connection failure / Data is not being transmitted</td>
<td>The blood pressure monitor might not be properly placed within the smart device's transmission range and is too far from the smart device. The blood pressure did not pair successfully to the smart device. The application on the smart device is not ready.</td>
<td>If there are no causes of data transmission interference found near the blood pressure monitor, move the blood pressure monitor within 16ft (.5m) of the smart device and try again. Try to pair the devices once again. Check the application then try sending the data again.</td>
</tr>
</tbody>
</table>

Bluetooth connection
- Using for the first time
1. Download the free "JoyHealth" App: On your mobile phone or tablet, go to www.sejoy.com.
2. Open the App on your phone or tablet. If requested, you should enable Bluetooth on your device. You can enable Bluetooth under the Settings menu on your smartphone or tablet.
3. Create a new user login, or login with your existing username and password.
4. Select your device "Blood pressure monitor".

Bluetooth requirements
- Wireless communication
  Frequency range: 2.4 Ghz (2400-2483.5 MHz)
  Modulation: GFSK
  Antenna gain: 0.5dBi

Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cuff fails to inflate properly</td>
<td>Pressurization is over cuff rated pressure 300mmHg</td>
<td>Make sure hose is properly fastened to cuff and monitor unit</td>
</tr>
<tr>
<td>Improper operation</td>
<td></td>
<td>Read user manual carefully and re-test properly.</td>
</tr>
<tr>
<td>Pressurization is over cuff rated pressure 300mmHg</td>
<td></td>
<td>Read user manual carefully and re-test properly.</td>
</tr>
<tr>
<td>&quot;Err&quot; displayed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Blood Pressure

Blood pressure is the force of blood pushing against the walls of arteries. It is typically measured in millimeters of mercury (mmHg). Systolic blood pressure is the maximum force exerted against blood vessel walls each time the heart beats. Diastolic blood pressure is the force exerted on blood vessels when the heart is resting between beats.

An individual's blood pressure frequently changes throughout the course of a day. Excitement and tension can cause blood pressure to rise, while drinking alcohol and bathing can lower blood pressure. Certain hormones like adrenaline (which your body releases under stress) can cause blood vessels to constrict, leading to a rise in blood pressure.

If these measuring numbers become too high, it means the heart is working harder than it should.

Blood Pressure Information

Health Reminder

Hypertension is a dangerous disease that can affect the quality of life. It can lead to a lot of problems including heart failure, kidney failure, and cerebral hemorrhaging. By maintaining a healthy lifestyle and visiting your physician on a regular basis, hypertension and relative diseases are much easier to control when diagnosed in their early stages.

Blood Pressure Q&A

Q: What is the difference between measuring blood pressure at home or at a professional healthcare clinic?
A: Blood pressure readings taken at home are now seen to give a more accurate account as they better reflect your daily life. Readings can be elevated when taken in a clinical or medical environment. This is known as White Coat Hypertension and may be caused by feeling anxious or nervous.

Note: Abnormal test results may be caused by:
1. Improper cuff placement
   - Make sure cuff is snug—not too tight or too loose.
   - Make sure bottom of the cuff is approximately 1-2cm (1/2'') above the elbow joint.
2. Improper body position
   - Make sure to keep your body in an upright position.
3. Feeling anxious or nervous
   - Take 2-3 deep breaths, wait a few minutes and resume testing.

Q: What causes different readings?
A: Blood pressure varies throughout the course of a day. Many factors including diet, stress, cuff placement, etc. may affect an individual's blood pressure.

Q: Should I apply the cuff to the left or right arm? What is the difference?
A: Either arm can be used when testing, however, when comparing results, the same arm should be used. Testing on your left arm may provide more accurate results as it is located closer to your heart.

Q: What is the best time of day for testing?
A: Morning time or any time you feel relaxed and stress free.

Note: Do not be alarmed if an abnormal reading occurs. A better indication of an individual's blood pressure occurs after 2-3 readings are taken at the same time each day over an extended period of time. Consult your physician if test results remain abnormal.
**Maintenance**

1. Avoid dropping, slaming, or throwing the unit.

2. Avoid extreme temperatures. Do not expose unit directly under sunshine.

3. When cleaning the unit, use a soft fabric and lightly wipe with mild detergent.
   Use a damp cloth to remove dirt and excess detergent.

**Specifications**

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Arm-type Fully Automatic Blood Pressure Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>DBP-6279B</td>
</tr>
<tr>
<td>Display</td>
<td>LCD Digital Display</td>
</tr>
<tr>
<td>Measurement Method</td>
<td>Oscillometric Method</td>
</tr>
<tr>
<td>Systolic Pressure</td>
<td>60mmHg ±20mmHg</td>
</tr>
<tr>
<td>Diastolic Pressure</td>
<td>50mmHg ±20mmHg</td>
</tr>
<tr>
<td>Pressure</td>
<td>0mmHg ~ 299mmHg</td>
</tr>
<tr>
<td>Pressure Range</td>
<td>±3mmHg</td>
</tr>
<tr>
<td>Pulse</td>
<td>30 – 180 Beats/Minute</td>
</tr>
<tr>
<td>Pulse Range</td>
<td>±5%</td>
</tr>
<tr>
<td>Pressurization</td>
<td>Automatic Pressurization</td>
</tr>
<tr>
<td>Memory</td>
<td>2x60 Memories in Two Groups with Date and Time</td>
</tr>
<tr>
<td>Function</td>
<td>Irregular Heartbeat Detection</td>
</tr>
<tr>
<td>WHO Classification Indicator</td>
<td></td>
</tr>
<tr>
<td>Last 3 Tests Average</td>
<td></td>
</tr>
<tr>
<td>Low Battery Detection</td>
<td></td>
</tr>
<tr>
<td>Automatic Power-Off</td>
<td></td>
</tr>
<tr>
<td>Voice</td>
<td></td>
</tr>
<tr>
<td>Backlight</td>
<td></td>
</tr>
<tr>
<td>Power Source</td>
<td>3 AAA batteries or Medical AC Adapter(DC5.0V, 1000mA) (recommended, not provided)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Approximately 2 months at 3 tests per day</td>
</tr>
<tr>
<td>Unit Dimensions</td>
<td>Approx.283g (9.88 oz.) (excluding battery)</td>
</tr>
<tr>
<td>Cuff Circumference</td>
<td>Approx.142.5 x 107.2 x 44mm (5.61&quot; x 4.22&quot; x 1.73&quot;) (L x W x H)</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Temperature: 10°C ~ 40°C (50°F ~ 104°F)</td>
</tr>
<tr>
<td></td>
<td>Humidity: 15% ~ 93% RH</td>
</tr>
<tr>
<td></td>
<td>Pressure: 800hPa ~ 1060hPa</td>
</tr>
<tr>
<td></td>
<td>Storage Environment</td>
</tr>
<tr>
<td></td>
<td>Temperature: -25°C ~ -55°C (-13°F ~ -131°F)</td>
</tr>
<tr>
<td></td>
<td>Humidity: ≤93% RH</td>
</tr>
<tr>
<td></td>
<td>Transport Environment</td>
</tr>
<tr>
<td></td>
<td>Temperature: -25°C ~ -55°C (-13°F ~ -131°F)</td>
</tr>
<tr>
<td></td>
<td>Humidity: ≤93% RH</td>
</tr>
<tr>
<td></td>
<td>Bluetooth</td>
</tr>
<tr>
<td></td>
<td>Modulation Type: GFSK</td>
</tr>
<tr>
<td></td>
<td>Operation frequency</td>
</tr>
<tr>
<td></td>
<td>Antenna gain: 0.5 dBi</td>
</tr>
<tr>
<td></td>
<td>Bandwidth: 2.0 MHz</td>
</tr>
<tr>
<td></td>
<td>Classification</td>
</tr>
<tr>
<td></td>
<td>Ingress Protection rating: IP 20. Indoor Used Only</td>
</tr>
<tr>
<td></td>
<td>Battery Shelf life: 60 months</td>
</tr>
<tr>
<td></td>
<td>Battery Storage Temperature: -25°C ~ -35°C (~-13°F ~ -2°F)</td>
</tr>
<tr>
<td></td>
<td>Specifications are subject to change without notice.</td>
</tr>
</tbody>
</table>

**Maintenance (cont.)**

4. Cuff Cleaning and Disinfection:
   A) Spread the cuff (skin-contact surface) upwards onto a clean table. Use a damp clean cloth (water-based) to wipe the skin-contact surface with a force.
   B) Soak the cloth clean with drinking water and wring it dry. Repeat A) with the damp cloth (water-based) for 3 times.
   C) Apply 70%-80% alcohol to a new cloth (or 75% alcohol cotton-ball), use it to wipe the skin-contact surface with a force. Then soak the cloth with the alcohol again (or change a new 75% alcohol cotton-ball), repeat the disinfection procedure for 3 times.
   D) When the disinfection towards the skin-contact surface is finished, wipe the skin-contact surface with a cloth (alcohol-based) or alcohol cotton-ball thoroughly for 3 times.
   E) Leave the cuff naturally dry, then it is ready for reuse.
   Notice: Do not soak in water or splash water on it.

5. Do not use petrol, thinners or similar solvents.

6. Remove batteries when not in operation for an extended period of time.

7. Do not disassemble product.

8. It is recommended the performance should be checked every 2 years.

9. Expected service life: Approximately three years at 10 tests per day.

10. No service and maintenance while it is in use and maintenance only be performed by service personnel. Service and maintenance require parts, repair, technical support will be provided.
The Blood Pressure Monitor is guaranteed for 2-year from the date of purchase. If the Blood Pressure Monitor does not function properly due to defective components or poor workmanship, we will repair or replace it freely. The warranty does not cover damages to your Blood Pressure Monitor due to improper handling. Please contact local retailer for details.

**Electromagnetic Compatibility Information**

The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure that it is used in such an environment.

### Table 2

<table>
<thead>
<tr>
<th>IMMUNITY test</th>
<th>IEC 60601 test level</th>
<th>Compliance level</th>
<th>Electromagnetic environment guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic discharge (ESD)</td>
<td>±8 kV contact, ±2 kV, ±4 kV, ±8 kV, ±15 kV air</td>
<td>±8 kV contact, ±2 kV, ±4 kV, ±8 kV, ±15 kV air</td>
<td>Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.</td>
</tr>
<tr>
<td>Electrostatic transient/burst</td>
<td>±2 kV, 100kHz, for AC power port</td>
<td>±2 kV, 100kHz, for AC power port</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Surge</td>
<td>±0.5 kV, ±1kV (differential mode)</td>
<td>±0.5kV, ±1kV (differential mode)</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Voltage dips, short interruptions and voltage variations on power supply input lines</td>
<td>0 % UT; 5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°</td>
<td>0 % UT; 5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Power frequency (50/60 Hz) magnetic field</td>
<td>30 A/m; 50Hz or 60Hz</td>
<td>30 A/m; 50Hz or 60Hz</td>
<td>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.</td>
</tr>
</tbody>
</table>

### Table 2 (continued)

<table>
<thead>
<tr>
<th>IMMUNITY test</th>
<th>IEC 60601 test level</th>
<th>Compliance level</th>
<th>Electromagnetic environment guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiated RF EM fields</td>
<td>3 V/m or 10 V/m in 80MHz-2.7 GHz; 0.8% ± 4kV at 1kHz</td>
<td>3 V/m or 10 V/m in 80MHz-2.7 GHz; 0.8% ± 4kV at 1kHz</td>
<td>Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance 80 MHz to 800 MHz = 800 MHz × (2.7 GHz) / (transmitter output power in watts)</td>
</tr>
<tr>
<td>Conducted disturbances induced by RF fields</td>
<td>0.15 MHz - 80 MHz and/or amateur radio bands between 0.15 MHz and 80 MHz</td>
<td>0.15 MHz - 80 MHz and/or amateur radio bands between 0.15 MHz and 80 MHz</td>
<td>Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance 80 MHz to 800 MHz = 800 MHz × (2.7 GHz) / (transmitter output power in watts).</td>
</tr>
</tbody>
</table>

Electromagnetic environment -guidance

The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure that it is used in such an environment.
Warning:
The device is intended for use in an electromagnetic environment in which radiated therefore disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as recommended below, according to the maximum output power of the communications equipment.

<table>
<thead>
<tr>
<th>Rated maximum output power of</th>
<th>Separation distance according to frequency of transmitter</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>80 MHz to 800 MHz</td>
<td>d = \frac{50}{P^{0.7}}</td>
</tr>
<tr>
<td>0.01</td>
<td>0.12</td>
<td>0.23</td>
</tr>
<tr>
<td>0.1</td>
<td>0.38</td>
<td>0.73</td>
</tr>
<tr>
<td>1</td>
<td>1.2</td>
<td>2.3</td>
</tr>
<tr>
<td>10</td>
<td>3.8</td>
<td>7.3</td>
</tr>
<tr>
<td>100</td>
<td>12</td>
<td>23</td>
</tr>
</tbody>
</table>

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

Note1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

Note2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.