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Only to be released under the cover of a mutual NDA

# BM14

*Advice to OEMs*  
*Content for User Leaflets*

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## Introduction

The following items are provided for OEMs to include in the user leaflets of products that incorporate the ResMed Sensor Technologies BM14 Sensor.

The items are categorised as Mandatory and Information.

- Mandatory items are required by regulatory authorities to be included in device documentation.
- The Information items are for guidance and can be altered in tone and language to suit the house style.

It is recommended that the draft device labels and user information leaflet are reviewed by ResMed Sensor Technologies to ensure their accuracy and regulatory compliance.

## Mandatory

### Device Label:

(For US Market)

The final end product must be labeled in a visible area with the following:

“Contains TX FCC ID: YAKBM14” or “Contains FCC ID:YAKBM14”

(For Canadian Market)

The final end product must be labeled in a visible area with the following:

“ Contains transmitter module IC ID: 11415A-BM14” or “Contains IC ID: 11415A-BM14”.

### User Leaflet:

(For US Market)

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 of the following measures:

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- 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.

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.

#### FCC Caution:

Any changes or modifications not expressly approved by “OEM name” could void the user's authority to operate this equipment.

Note for OEM:

**This transmitter module is authorized to be used in other devices only by OEM**, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user manual of the end product.

(For Canadian Market)

This equipment has been tested and found to comply with the limits for a Category 1 device, pursuant to Part RSS-210 of the IC 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 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.

#### Industry Canada Statement:

This device complies with Industry Canada *licence-exempt* RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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The device meets the exemptions from the routine SAR and RF exposure evaluations as per sections 2.5.1 & 2.5.2 of document RSS-102. (Radio Frequency (RF) Exposure Compliance of Radio Communication Apparatus (All Frequency Bands))

Note for OEM:

**This transmitter module is authorized to be used in other devices only by OEM**, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user manual of the end product.

## Information

### Device Information

The non-contact sensor is a very low power Radio Frequency (RF) emitter. The sensor has a maximum range of 1.5m and is designed to measure the breathing and body movement of an adult within range. If there are 2 persons in the bed, the sensor will measure the parameters of the nearer person.

### Device Placement

The product should be placed on a bedside table on the same side of the bed as the user. The height of the bedside table should ensure that there is a clear line of sight between the sensor and your upper chest when you are lying on the bed. This is typically a table top height of level with the mattress to around 6" (15cm) above the mattress. Do not place the product so that it has to "look" through the mattress at you: the springs in the mattress are likely to disrupt the RF beam. The product should be placed on the bedside table such that it is within easy arm's reach of your normal sleeping position.

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## Device Specifications

Parameter	Value	Remarks
Centre frequency	10.525 GHz	
Antenna Beam width	40 to 60 deg	ie 40 to 60 deg either side of direct line of sight
Typical breathing detection range	1.5m	Target aspect not important, ie can be sitting, lying down on back/side/front

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