



## 3 Technical Data

This section contains the radio physical characteristics, environmental data, and the power information of the Radio System.

### 3.1 Technical Data Summary

*Table 1 Radio 4415 Technical Data*

<b>Description</b>	<b>Value</b>
Maximum nominal output power <sup>(1) (2)</sup>	4×40 W (License key is required for total output power over 2×10 W.)
Number of carriers per branch	LTE: Six downlink, six uplink
Number of carriers per radio	LTE: 4x6 downlink, 4x6 uplink
Frequency <sup>(3)</sup>	1710–1785 MHz uplink 1805–1880 MHz downlink B3 for LTE
	2500–2570 MHz uplink 2620–2690 MHz downlink B7 for LTE
<b>Dimensions without Fan Unit</b>	
Height	420 mm
Width	342 mm
Depth	149 mm
<b>Dimensions with Fan Unit</b>	
Height	420 mm
Width	342 mm
Depth	160 mm
<b>Weight without Fan</b>	
Radio 4415	20 kg
<b>Weight with Fan</b>	
Radio 4415	21.5 kg



Description	Value
<b>Color</b>	
Body	NCS S 1002-B
Front	NCS S 6502-B

(1) Detailed information about LTE licences can be found in License Management or Manage Licenses.

(2) Detailed information about output power can be found in applicable Output Power User Guide.

(3) Information about Instantaneous Bandwidth (IBW) can be found in RBS Configurations.

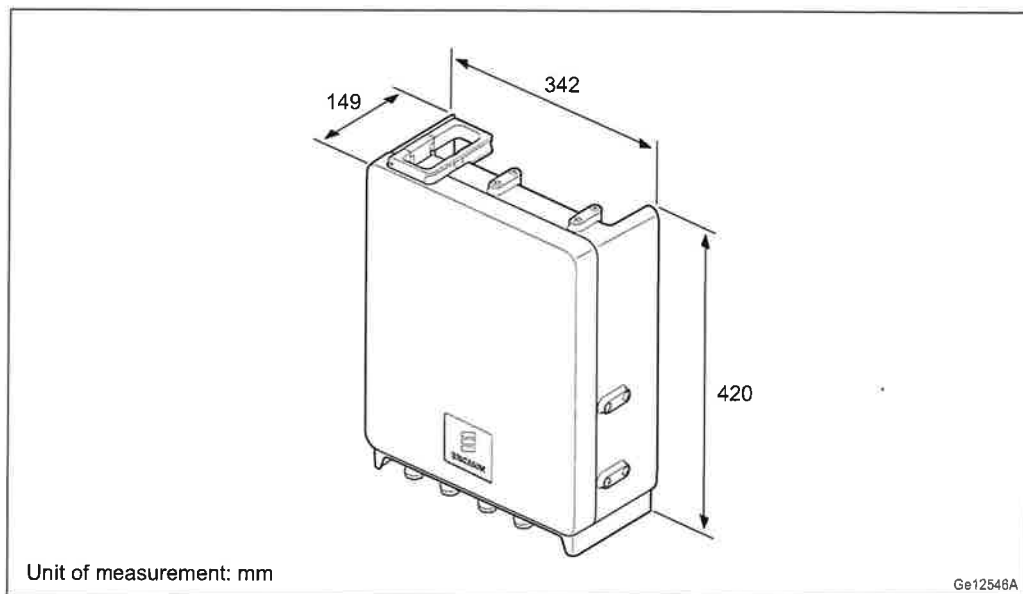


Figure 2 Radio 4415 Height, Width, and Depth without Fan Unit

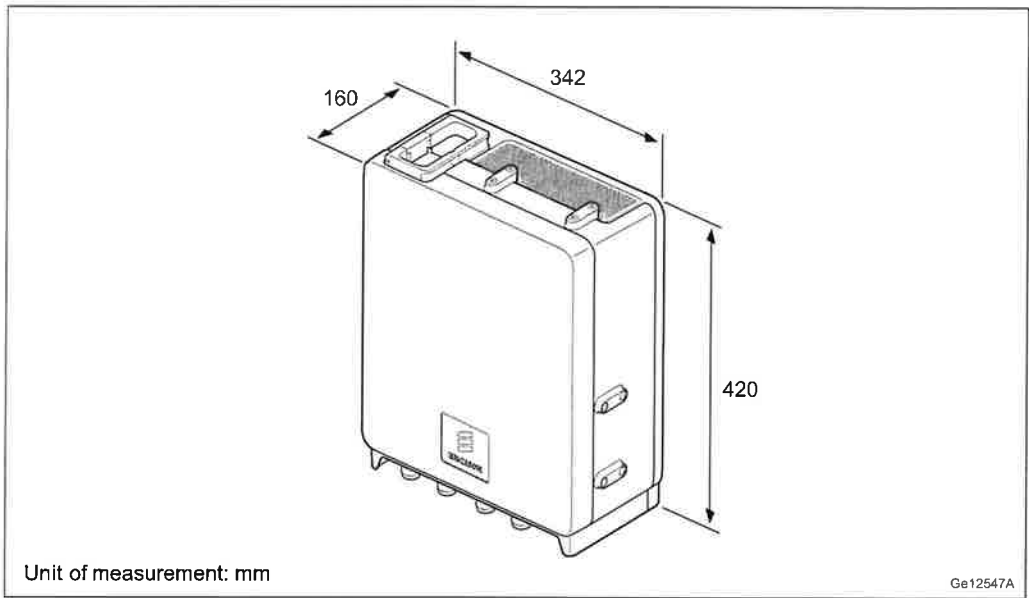


Figure 3 Radio 4415 Height, Width, and Depth with Fan Unit

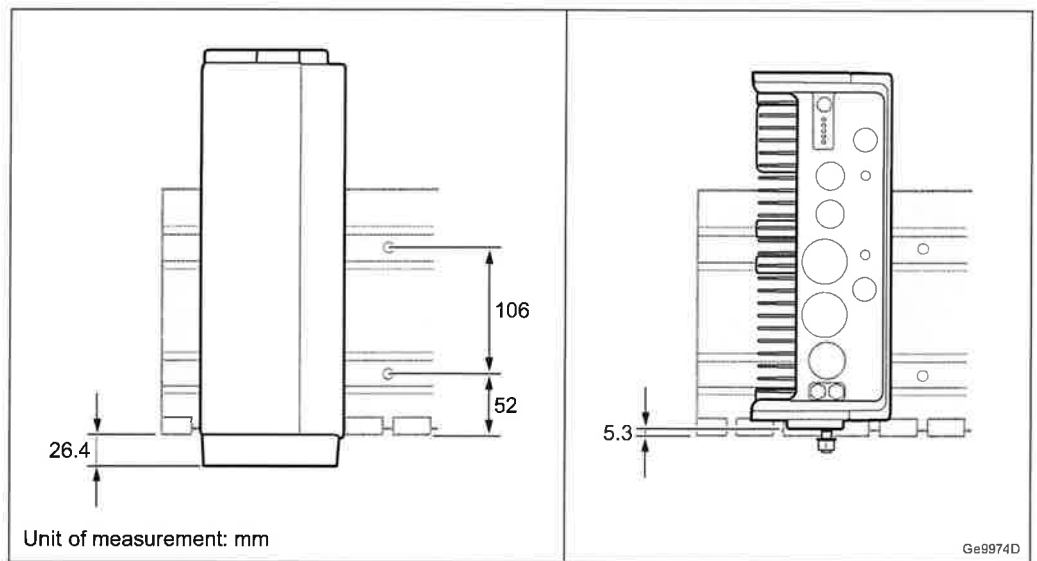


Figure 4 Radio 4415 to rail measurement

Table 2 Fan Unit Technical Data

Description	Value
<b>Dimensions</b>	
Height	410 mm
Width	335 mm
Depth	87 mm



Description	Value
<b>Weight</b>	
Fan unit	1.5 kg
<b>Color</b>	
Back cover	NCS S 1002-B
Fan box	NCS S 6502-B

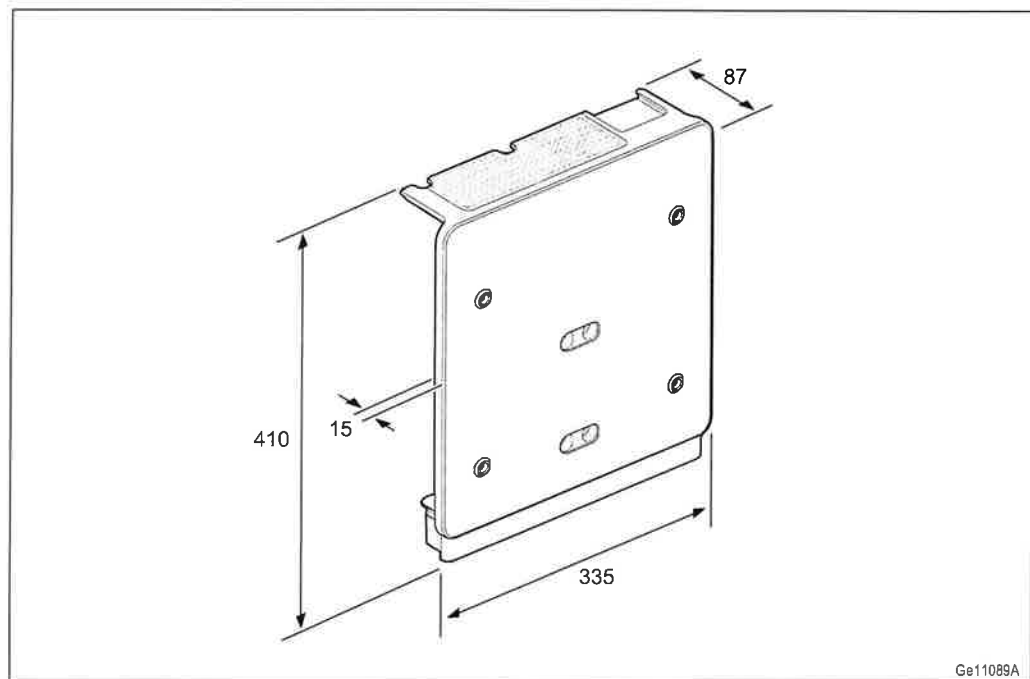


Figure 5 Fan Unit Height, Width, and Depth

## 3.2 Installation Recommendations

To achieve reliable operation, and maximum performance, an appropriate installation location must be chosen.

### 3.2.1 Indoor Locations to Avoid

Although the unit is designed for outdoor use, it can also operate in an indoor environment according to ETSI EN 300 019-1-3 class 3.1, 3.2, 3.3, and 3.6. This does not cover installation with heat traps or installation in lofts, where air ventilation does not exist. To ensure smooth performance of the product, it is recommended to ensure that the planned installation site for the unit is not a potential microclimate location. This typically occurs in places such as unventilated lofts, sites with heat traps, or sites where the product is exposed