



Excellence in Compliance Testing

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## **Certification Exhibit**

**FCC ID: U4A-YRHCPZB0  
IC: 6982A-YRHCPZB0**

**FCC Rule Part: 15.247  
IC Radio Standards Specification: RSS-210**

**ACS Project Number: 12-0001**

Manufacturer: Assa Abloy Inc.  
Models: YRDZB, YRD210-ZB, YRD220-ZB, YRT210-ZB, YRT220-ZB

## **RF Exposure**

**General Information:**

Applicant: Assa Abloy Inc.  
 Device Category: Mobile  
 Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Antenna Type: Fixed PCB-F  
 Antenna Gain: 0 dBi  
 Maximum Transmitter Conducted Power: 3.6 dBm, 2.29 mW  
 Maximum System EIRP: 3.6 dBm, 2.29 mW  
 Exposure Conditions: Greater than 20 centimeters

**MPE Calculation**

The Power Density (mW/cm<sup>2</sup>) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

- S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)
- P = power input to the antenna (in appropriate units, e.g., mW)
- G = power gain of the antenna in the direction of interest relative to an isotropic radiator
- R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

<b>MPE Calculator for Mobile Equipment</b>							
<b>Limits for General Population/Uncontrolled Exposure*</b>							
<b>Transmit Frequency (MHz)</b>	<b>Radio Power (dBm)</b>	<b>Power Density Limit (mW/Cm2)</b>	<b>Radio Power (mW)</b>	<b>Antenna Gain (dBi)</b>	<b>Antenna Gain (mW eq.)</b>	<b>Distance (cm)</b>	<b>Power Density (mW/cm^2)</b>
2480	3.6	1.00	2.29	0	1.000	20	0.00046

**Installation Guidelines**

The installation manual should contain text similar to the following advising how to install the equipment to maintain compliance with the FCC RF exposure requirements:

**RF Exposure**

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 centimeters will be maintained.

**Conclusion**

This device complies with the MPE requirements by providing adequate separation between the device, any radiating structure and the general population.