



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Roboter GmbH  
LBR iiwa 14 R820 CR  
**Report No. KU 1707-925**

### Electrostatic Discharge Behavior

### Qualification Certificate

This is to certify that the product mentioned above, provided by

**KUKA Roboter GmbH**  
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number KU 1707-925.

The robot LBR iiwa 14 R820 CR fulfills the permissible limit values for the sensitivity threshold 2010/45 nm according to SEMI E78-0309.

Electrostatic Field			
Electrostatic Level		Test result	
Year Node	limit value [V/cm]	mean value [V/cm]	max. single value measured [V/cm]
2010 45 nm	50	17	90
<b>Limit value:</b>		<b>fulfilled</b>	

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

KU 1707-925  
Report No. first document

Stuttgart, October 12, 2017  
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under [www.tested-device.com](http://www.tested-device.com).

DUPLICATE