



Cleanroom (atmospheric)

valid until: November 10, 2030

Fraunhofer

TESTED[®] DEVICE

KUKA Deutschland GmbH
KR 20 R1810 CR

Report No. KU 2507-1650

Single product Electrostatic Charge Behavior

Qualification Certificate

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

KUKA Deutschland GmbH
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number KU 2507-1650.

The robot KR 20 R1810 CR fulfills the permissible limit values
of 6 V/cm (0.6 kV/m) for the sensitivity threshold 2033/7.7 nm
according to SEMI E78-0222.

Electrostatic field			
Electrostatic level		Test result	
Year Node	Limit value [V/cm]	Mean value [V/cm]	Max. single value measured [V/cm]
2033 7.7 nm	8.5	6	8
Limit value:		fulfilled	

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

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

KU 1805-1035
Report No. first document

Stuttgart, December 13, 2018
Place, date of first document issued

KU 2507-1650
Report No. current document

Stuttgart, November 10, 2025
Place, current date

on behalf of


Dr.-Ing. Frank Bürger, head of business unit Testing and Certification



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IPA