

Date: 14.05.2012

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: WJ9-RRU4ETGU6
(Original Grant date: 08/31/2011)
Applicant: KATHREIN Sachsen GmbH

Dear Examiner,

This is to request a Class II permissive change for FCC ID: WJ9-RRU4ETGU6, originally granted on 08/31/2011.

The major change filed under this application is:

- Modification of certified device RRU4-ETG-U6
as mentioned in approval holder's statement for equality of structure (see page 2)
Model name of modified device: UHF Reader 4-Port 915 MHz

Modifications are described in approval holder's statement of change (see page 3)

If you have any questions regarding this application, please feel free to contact me.

Sincerely,

Thomas Ring
Manager Certification

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Statement for equality of structure

We confirm that the RF-part of the device with the type designation :

Balluff BU2

RRU4 RFID UHF 4-port (Model name: UHF Reader 4-Port 915 MHz)

BN 52010164

is constructed in the same way for keeping the limits for all relevant parameters of the engineering standards and guidelines as the KATHREIN-Product:

RFID Reader UHF (FCC)

RRU4-ETG-U6

BN 52010097

Changes regardless of electricaly or mechanically kind without permission of KATHREIN-Sachsen GmbH will lead to the loss of validity of this document.

city, date:

Muehlau, 10.02.2012

legally binding signature:


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Statement of change for RFID UHF Reader

This Statement describes the differences between this two devices:

1. RRU4-ETG-U6 BN 52010097 FCC ID: WJ9-RRU4ETGU6
2. Balluff BU-2 BN 52010164 FCC ID: WJ9-RRU4ETGU6
(Model name: UHF Reader 4-Port 915 MHz)

Differences:

There are two main differences between the RRU4 and the BU2. First the BU2 consists only of three modules forming the Reader, that is the Controller, the PA Module and an additional PCB for communication. The digital component needed in RRU4 for GPIO is left away. The Ethernet-module is replaced by a small PCB that does the RS232. There are no changes made on the main PCB.

The second is that the BU2 has got a new enclosure, also based on metall. The following table shows the differences between the 2 models.

	RRU4-ETG-U6	Balluff BU-2
GPIO	GPIO	-
communication	ethernet	RS232
RF frontend	Controller- and PA - module	
enclosure	metal	metal

Provided Antennas

RRU4-ETG-U6	Balluff BU-2
520 10087 (7.5 dBi)	520 10079 (8.3 dBiC)
520 10073 (5.2 dBi)	
520 10085 (-15 dBi)	
520 10092 (-30 dBi)	