

STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

EQUIPMENT

Type of equipment:	Sub Control unit for electronic locker locks
Brand name:	Gantner
Type / Model:	GAT NET.Controller S 7020 BA NU
Manufacturer:	Gantner Electronic GmbH

STANDARD

47 CFR §2.1091, 47 CFR §1.1307, 47 CFR §1.1310 KDB 447498 D01 v06

Evaluation

Maximum input power to the transmitter is ... mW. We can assume that the transmitter is ideal and all ... mW are sent to the antenna. Magnetic coil antenna gain has maximum 0 dBi gain.

Maximum output power of the RFID transmitter is ≤ 500 mW (according to form 731). Magnetic coil antenna gain has maximum 0 dBi gain.

A worst case MPE calculation is as follows:

$$S = \frac{EIRP}{\pi * r^2}$$

EIRP = 500 mW

r = 20 cm

S = 0,398 mW / cm²

www.intertek.com

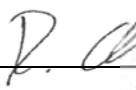
This Statement of Compliance is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Statement. Only the Client is authorized to permit copying or distribution of this Statement of Compliance. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Limits

Per 47 CFR §1.1310 MPE limit for 13.56 MHz transmitter is 0,98 mW / cm²

RSS 102 clause 2.5.2 Routine rf exposure evaluation exemption limit for transmitters operating at 20 MHz or lower frequencies is 1 W eirp.

Transmitter complies with these limits without testing

Completed by:	Roland Dressler	Reviewed by:	Mohammed Bensaid
Title:	Technical Manager EMC/ Radio	Title:	Project Engineer
Signature:		Signature:	
Date:	2022-08-26	Date:	2022-08-26



Intertek Deutschland GmbH
Innovapark 20
87600 Kaufbeuren

Telephone: +49 8341 9556-0
Facsimile: +49 8341 9556-559
www.intertek.de