

# STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

## EQUIPMENT

Type of equipment: 906-924 MHz Transceiver Modul  
Type / Model: Loxone Air Transceiver- Modul  
Manufacturer: Loxone Electronics GmbH  
By request of: Loxone Electronics GmbH

## STANDARD

RSS-102, Issue 5

### Evaluation

Maximum output power conducted of the transmitter is 9.2 dBm (Test report: 2233222KAU-001).  
The antenna gain is 2 dBi .

EIRP = 13.2 mW

### Limits

RSS-102, Issue 5, 2.5.1 (closest frequency 835 MHz, separation distance  $\leq$  5 mm).

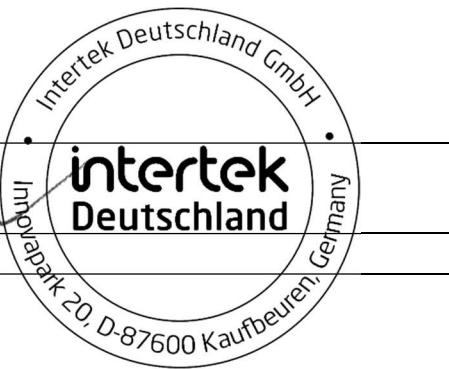
Exemption limit: 17 mW

Transmitter complies with this limit.

Intertek Deutschland GmbH

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Further SAR exemption info of the manufacturer:

# LOXONE

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This device FCC ID: 2ARRV-000375 is excluded from SAR testing by the following justification:

The maximum power that the transmitter is capable of is: 13.18 mW (Duty Cycle not applied)

Using the following formula from section 4.3.1 of KDB 447498 at test separation distances  $\leq$  50 mm

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]^*$

$[\sqrt{f(\text{GHz})}]$

When the minimum test separation distance is  $<$  5 mm, a distance of 5 mm according to f) in section 4.1 is applied to determine SAR test exclusion.

$(\text{round\_to\_mW}(13.18 \text{ mW}) / 5 \text{ mm}) * \sqrt{0.906 \text{ GHz}} = 2.5$

According to section 4.3.1 of KDB 447498 the result shall be  $\leq$  3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.