STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

EQUIPMENT

Type of equipment:	906-924 MHz Transceiver Modul with µ-Controller
Type / Model:	Loxone Air CPU- 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 8.94 dBm
(Test report: 2233222KAU-007). The antenna gain is 2 dBi .

EIRP = 12.42 mW

Limits

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

Exemption limit: 17 mW

Transmitter complies with this limit.

Intertek Deutschland GmbH

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Intertek Deutschland GmbH · Innovapark 20, D-87600 Kaufbeuren, Germany

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Further SAR exemption info of the manufacturer:

LOXONE

This device FCC ID: 2ARRV-000376 is excluded from SAR testing by the following justification:

The maximum power that the transmitter is capable of is: 12.42 mW (Duty Cycle not applied)

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

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * [√f(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.

(round_to_mW(12.42 mW) / 5 mm) * √0.906 GHz = 2.3

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

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