

RF exposure

File: T37598-02
Applicant: Continental Automotive GmbH
Model: 995364

The used rated power (subclause 5.4 of the cited document) and the operation frequency (subclause 5.1 of the cited document) are taken from document "Operational Description of the Continental radio frequency bidirectional key fob Typ Acura Bidir Fob Model: 995364" supplied with this application.
The calculation was made for the highest rated power.

Maximum rated power: -2.6dBm / 0.55 mW
Operating frequency: 924MHz

Requirements for IC

RSS-102 Issue 5, 2.5.1 SAR Evaluation exemption

Applicable limit for according to table 1: 16.16 mW
(Operation frequency 924MHz and distance ≤ 5 mm, linear interpolation was applied to define the limit)

Rated power, maximum: 0.55 mW

Conclusion: The transmit power of the EuT is far below the applicable limit according to RSS-102 2.5.1 Table 1
The EuT meets the exemption from the routine evaluation limit in Section 2.5 of RSS-102.

Requirements for FCC

KDB 447498 D01 v06, 4.3.1 General SAR test exclusion guidance

The formula according to subclause 4.3.1 a) was used for calculation:

$$[(\text{rated max power, mW}) / (\text{min. separation distance, mm})] \times [\sqrt{\text{frequency of TX channel, GHz}}] \leq 3.0 \text{ for 1-g SAR}$$

Calculation

$$[(1\text{mW}) / (5\text{mm})] \times [\sqrt{0.924\text{GHz}}] = 0.19$$

Note: Rated max power and minimum separation distance were rounded to the nearest mW and mm before calculation

Conclusion: The result of the calculation (0.19) is far below the applicable limit of 3.0. The exclusion requirement according to KDB 447498 clause 4.3.1a is fulfilled.