

Date: **May 10th 2018**

to:	from:
Regulatory Certification Body DEKRA Testing and Certification, S.A.U. Parque Tecnológico de Andalucía C/ Severo Ochoa 2 & 6 29590 Campanillas Málaga, España	RADE TECNOLOGÍAS S.L. Avenida Diagonal Plaza, 14, Nave 61, 50197, Zaragoza, Spain

Related to product:

Type of equipment:	Wireless electronic device with integrated locking system for light weapon.
Brand name:	Radetec
Model:	Lock Attached Component (LAC) for AR-15
FCC ID:	2AMSYLACP0141

To whom it may concern,

This is an RF exposure evaluation for the aforementioned equipment.

As you will see below, the product can be used in portable conditions and certified without the need of submitting a SAR test report or an MPE calculation to show compliance with FCC or ISED regulation.

1. Introduction

The device Lock Attached Component (LAC) for AR-15 is a radio frequency transmitter-receiver. It is an RF transceiver working in the 915 MHz band and is designed to be used in portable exposure conditions.

2. FCC SAR limits

According to § 2.1093 (d) (2) the limits for General Population/Uncontrolled exposure are:

- 0.08 W/kg as averaged over the whole-body
And
- peak spatial-average SAR limit is 1.6 W/kg, averaged over any 1 gram of tissue over the whole body.

3. Compliance criteria:

For FCC,

Individual transmitters are deemed to comply with § 2.1093 requirements if the output power of the transmitter meets the conditions specified in section 4.3.1 (Standalone SAR test exclusion) considerations of the document "KDB 447498 D01 Clause 4.3.1 General RF Exposure Guidance v05r02".

4. Compliance calculations:

Evaluation distance per KDB 447498 D01 General RF Exposure Guidance v05r02 - 4.3.1 (mm)

Frequency (GHz)	Peak field strength (dBμV/m)	Peak output power (dBm)	Peak output power (mW)	Evaluation distance per KDB 447498 D01 General RF Exposure Guidance v05r02 - 4.3.1 (mm)	[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [vf(GHz)]	SAR Test Exclusion Thresholds per KDB 447498 D01 General RF Exposure Guidance v05r02 - 4.3.1 - 1)
0,915	N/A	11,61	14,4877185	5	2,771663756 ≤3	COMPLIANT

Sincerely,

By: Jose Cuesta
Title: R&D Director
Company: RADE TECNOLOGÍAS, S.L.
Telephone: +34 976 756 113
e-mail: jcuesta@radetec.com

P.A

