

Acarix A/S
Ryvangs Allé 81-83
DK-2900 Hellerup
Denmark

Hellerup,
Monday, March 29th, 2021

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046
USA

Re: RF exposure information for:

Product name: CADScor sensor with FCC ID 2AYXI-ASE1401.

To whom it may concern:

CADScor sensor is a portable device intended for use within 20 cm of humans and must demonstrate compliance to the either relevant SAR limits or demonstrate a maximum conducted output power less than the SAR exclusion thresholds pursuant to "KDB 447498 D01 General RF Exposure Guidance v06" at the specified distance to user and frequency range.

The properties of CADScor sensor are as follows:

- Maximum average conducted output power: 2.3 mW
- Distance to user: < 50 mm
- Frequency range: 13.110-14.010 MHz

Maximum average conducted output power value is derived as:
Supply input power to RFID interface subsystem x Max RFID duty cycle over 6 minutes = $2.8V \times 81 \text{ mA} \times 1\% = 2.3 \text{ mW}$

Power threshold according to KDB 447498 4.3.1 c) 2): 442 mW

The power threshold for SAR exclusion is respected hence CADScor sensor is compliant.

Please contact me if there is any information you may need.

Sincerely,



Claus Bo Vøge Christensen,
PhD, MBA
COO

Acarix A/S

Ryvangs Allé 81-83
DK-2900 Hellerup
Denmark
Tel: +45 2972 4411
Tel-con: +45 7026 5045, code 9958 136#.
Email: claus.christensen@acarix.com
Web: www.acarix.com