

RF Exposure Exhibit

FCC ID: T8I-CONEKT

IC: 6504A-CONEKT

Conekt is a combination Smart Card Reader and BLE Mobile Access Credential Reader (hereafter referred to a “Reader”) device. The Reader is epoxy sealed, suitable for outdoor use and provided with an approved UL Style 2576, 9-conductor, 26-AWG, shielded cable for connection to a Door Access Control Unit. This device normally mounted on wall or the door.

RFID radio module is low power device with fundamental Field strength of 60.01dBuV/m at 30meters documented Test report 103506678MPK-003 page 12. This test report is part of application. EUT meets FCC CFR 47 Part 15.225 limits for fundamental field strength.

Complies Limits specified in Table 1 CFR 47 part 1.1310 Limits for Maximum Permissible Exposure (MPE) for General Population/Uncontrolled Exposure.

Complies with Limits table 4 of RSS-102 issue5 Limits for RF Field Strength Limits for Devices Used by the General Public (Uncontrolled Environment)

Device also uses 2.4 GHz BLE power as per Test report 1035066678MPK-002. The conducted power documented is 1.77dBm or 1.50mWatts (page#18) and antenna gain is 2.1dBi

Max EIRP of the transmitter is 2.40mW < 10mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 v06: Mobile Portable RF Exposure.

As per operational description of the device RFID and one BLE device can be ON simultaneously but their operational overlap time is far less than 30 seconds.

Complete operation of RFID lasts only few milliseconds, hence it not possible that operational overlap time exceeds 30 seconds.

With above description, it is clear the device complies RF exposure requirements as per KDB 447498 D01 General RF Exposure Guidance v06

ISED Requirements for SAR Exemption limit according to IC RSS-102 Issue 5, at 5 mm separation distance = 4 mWatts.

Max EIRP of the transmitter is 2.4mW < 4mW, hence the EUT is excluded from SAR evaluation as per RSS-102 issue 5 Table1.