

RF Exposure Exhibit

FCC ID: WFW-KSMART3

IC: 5241A-KSMART3

K- Smart3 is a combination Smart Card Reader and BLE Mobile Access Credential Reader (hereafter referred to a “Reader”) device.

RFID radio module is low power device with fundamental Field strength of 51.7duV/m at 30meters documented Test report 103088018MPK-003 page 11. 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.

Device also uses 2.4 GHz BLE power as per Test report 103088018MPK-005. The conducted power documented is 1.57dBm or 1.44mWatts (page#17) and antenna gain is 2.1dBi

Max EIRP of the transmitter is 2.32mW < 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 2.3mW < 4mW, hence the EUT is excluded from SAR evaluation according

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