COVER LETTER

INGENICO
IUC180-11T2308 / IUC180-11T2226

FCC ID: XKB-IUC18X-RF

March 27th, 2013

This report concerns : Original Grant ___ ____ Class II change ___ **X** _____

SubPart C certification ___**X**____ *Class A verification _____ Class I change _____

Equipment type : Low Power Communication Devices Transmitter

Request issue of grant :

_**X**_ Immediately upon completion of review

___ Defer grant per 47 CFR 0.457(d)(1)(ii) until ____ date _____. Company Name agrees to notify the Commission by _____date_____ of the intended date of announcement of the product so that the grant can be issued on that date.

Confidentiality of grant :

___ Applicant requests the existence of this grant to be kept confidential until ____date____. The announcement of this product before this date via freedom of information would be detrimental to Company Name, and therefore must be considered a business secret. Public announcement of this product will not be made prior to this date. (Max. 60 days after grant issued).

Limits used : *(check one)*

CISPR 22 _____ _____ Part 15 _____ **X** _____

Measurement procedure used is ANSI C63.4-2003 unless another is specified.

Other test procedure : _____

Application for verification Prepared by :	Applicant for this device
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**Not to be filed with Equipment Authorization Branch of FCC unless requested*

Report format prepared by the Information Technology Industry Council (ITI) ESC-5 and reviewed by FCC staff in 1994

Justification of the modifications of the FCC ID: XKB-IUC18X-RF

Power supply from 10VDC to 45VDC instead of 12VDC to 30VDC

We changed the reference of 5V driver (Step-Down Converter). The range of this new driver accept 10V min and 45V Max. We also changed the diode (output rectifier diode) for accept 45V and the inductance to Increasing the Efficiency.

Driver for 2 capacitive boutons

We add a circuit MX200 (capacitive sensor driver. See page 18) to sense 2 capacitive boutons.

BL3 for security

We add a microprocessor MN6 (see page 5 and 6). It's to manage security (see page 9).

RFID field

First of all, for EMV contactless transactions, only the "very" near magnetic field strength is important (between 0 and 4 cm for coupling, power and datas transfers). Due to dispersions or environment variations (presence of metallic parts, orientation, …), radiated electric field ("parasitic" result of magnetic field generation) at 10 meters (or 3 meters) could vary with important proportions. For contactless readers, electric radiated power at 10 meters is not representative of read range and EMVco tunings.