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Laboratoire de Moirans
Z.I. Centr'Alp
170, Rue de Chatagnon
38430 MOIRANS - FRANCE

GENERAL INFORMATION

FCCID: XKB-L3000NCL

1.1. Product description

Name			Lane/3000	Desk/1500
Processor		ARM Cortex A5 at 800 MIPS	●	●
Memory	Internal	256 Mbytes Flash NAND & 128 Mbytes LPDDR2 RAM	●	●
SAM slots	Card format ID000	1	●	●
Card Reader(s)		Magnetic stripe reader : Standard version: ISO1-2-3 Single head	●	●
		Smart card Reader	●	●
		Contactless Reader	●	●
Display	Color	2.8" TFT QVGA 240 x 320, 2M colors, Landscape oriented	●	●
		Capacitive Touch screen	Option	-
Keypad	Blind & visually impaired (ADA & RNIB) White backlight on all keys	19 or 15 keys with hard top (IP51 and IK04)	●	● 19 keys
Audio		Speaker mono & Audio jack out stereo	Option	-
		Buzzer	●	●
Communication	LAN	Ethernet 10/100 base T	●	-
		1 rs232	●	-
		1 USB host 2.0 1 USB device 2.0	●	●
Communication port	All-in-one	Single connector	●	●



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1.2. Tested System Details

Equipment under test (EUT):

Lane/3000 N CL/ETH

Serial Number: 191703413031159199991007



Photography of EUT

Power supply:

During all the tests, EUT is supplied by V_{nom} : 240 VAC / 50Hz & 120VAC / 60Hz
 For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> Battery	Input: 100-240V 50-60Hz 0.5A Output: 8VDC 2A	INGENICO PSC16E-080L6 / 296199611	/

Voltage table used:

Type	Measurement performed:	
<input checked="" type="checkbox"/> AC	<input checked="" type="checkbox"/> 120VAC/60Hz	<input checked="" type="checkbox"/> 240VAC/50Hz
<input type="checkbox"/> DC	<input type="checkbox"/> +....VDC	<input type="checkbox"/> -....VDC
<input type="checkbox"/> USB (Laptop auxiliary)	<input type="checkbox"/> 120VAC/60Hz (Laptop auxiliary)	<input type="checkbox"/> 240VAC/50Hz(Laptop auxiliary)



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Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply1	PSU	2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Contactless card	INGENICO Type B	296116026	-
CAM0 card	INGENICO	-	-
USB cable	INGENICO	296100039	-

Equipment information:

Frequency band:	<input checked="" type="checkbox"/> [13.553–13.567]MHz	<input type="checkbox"/> [125]kHz	<input type="checkbox"/> [-] MHz
RF mode:	<input type="checkbox"/> Transmitter	<input checked="" type="checkbox"/> Transceiver	<input type="checkbox"/> Receiver <input type="checkbox"/> Standby
Type:	<input checked="" type="checkbox"/> RFID	<input type="checkbox"/> EAS	<input type="checkbox"/> Other:
Bandwidth:	<input type="checkbox"/> Narrowband (ISO15693, ISO18000-3...)		<input checked="" type="checkbox"/> Wideband (ISO14443, NFC...)
Channelized system:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes, channel spacing: kHz	
Equipment intended for use as a	<input checked="" type="checkbox"/> Fixed	<input type="checkbox"/> Mobile	<input type="checkbox"/> Portable
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined
Antenna Type:	<input type="checkbox"/> External		<input checked="" type="checkbox"/> Internal
Antenna connector:	<input type="checkbox"/> Permanent external	<input type="checkbox"/> Permanent internal	<input checked="" type="checkbox"/> None <input type="checkbox"/> Temporary (only for tests)
Antenna Gain:	NC		
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input type="checkbox"/> Continuous operation
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Prototype
Temperature range:	Tmin:	<input checked="" type="checkbox"/> -30°C	<input type="checkbox"/> 0°C <input type="checkbox"/> °C
	Tnom:	20°C	
	Tmax:	<input type="checkbox"/> 35°C	<input checked="" type="checkbox"/> 55°C <input type="checkbox"/> °C
Type of power source:	<input checked="" type="checkbox"/> AC power supply	<input type="checkbox"/> DC power supply	<input type="checkbox"/> Battery (Select type)
Test source voltage:	Vmin:	<input type="checkbox"/> 207V/50Hz	<input checked="" type="checkbox"/> 102 VAC
	Vnom:	<input type="checkbox"/> 230V/50Hz	<input checked="" type="checkbox"/> 120 VAC
	Vmax:	<input type="checkbox"/> 253V/50Hz	<input checked="" type="checkbox"/> 138 VAC

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or/and ANSI C63.10, FCC Part 15 SubPart 15C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed: **September 2 to 4, 2019**

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 or/and ANSI C63.10.

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55032/CISPR32 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.