



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

GENERAL INFORMATION

FCCID: XKB-AXIPRTBT

1.1. Product description



TECHNICAL DATASHEET

AXIUM PRINTER - GENERIC

Bluetooth Printer – Multiplug PSU

Product Reference: PAN40711224A

Designation: AX-PRIN-xxxxxxxNC-xxxxBT-S00-ASSS-MP-SA



FEATURE			
Printing capability	Paper roll diameter	42mm	•
	Paper roll width	58mm	•
	Printing speed	25 lines / second	•
Connectivity	Wireless	Short range (10 meter) for printing	Secured Bluetooth Low Energy 2 second Easy Pairing
Accessories	Cable USB-A to USB-C	USB-A to USB-C	•
	Beltclip	Removable	NO
Power supply	5V / 2A	Multi plug adaptor (UK/US/CE)	•
	Charging Port	USB-C	•
	Battery	2250mAh	•
Size	AXIUM PRINTER only	84 x 46 x 99 mm	•
Environment	Operating Temperature	0°C to +40°C (32°F to 104°F)	•
	Storage Temperature	-20°C to +70°C (-4°F to 158°F)	•
	Operating Humidity	85% non-condensing at +40°C(104°F)	•
Security	Out of certification PCI-PTS scope	Seamless deployment and upgrade	•

INTERNAL USE ONLY

• SEAMLESS PAYMENT



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1.2. Tested System Details



Photography of EUT

Power supply:

During all the tests, EUT is supplied by V_{nom} : 240V / 50Hz – (Radiated Emission & Conducted Emission)
120V/60Hz (Conducted Emission)

For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	<input type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Battery	3.6Vdc / 2.25Ah / 8.1A Wh	F26402298	Configuration 3
Supply2	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Battery	100-240V (50-60Hz) => 5Vdc	PSM10R-050	Configuration 1
Supply3	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Battery	100-240V (50-60Hz) => 5Vdc	PSAF10E-050Q	Configuration 2

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply 3	USB Type C	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ref : 296243055

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Laptop	Lenovo L450	PF0D29NW	



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Equipment information:

Bluetooth LE Type:	<input checked="" type="checkbox"/> BLE	<input type="checkbox"/> v4.0	<input type="checkbox"/> v4.1	<input type="checkbox"/> v4.2
	<input checked="" type="checkbox"/> v5.0			
Frequency band:	[2400 – 2483.5] MHz			
Spectrum Modulation:	<input checked="" type="checkbox"/> DSSS (Tested like it)			
Number of Channel:	40			
Spacing channel:	2MHz			
Channel bandwidth:	1MHz			
Antenna Type:	<input checked="" type="checkbox"/> Integral	<input type="checkbox"/> External	<input type="checkbox"/> Dedicated	
Antenna connector:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Temporary for test	
Transmit chains:	1			
	Single antenna			
	Gain: 0dBi			
Beam forming gain:	No			
Receiver chains:	1			
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined	
Ad-Hoc mode:	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Adaptivity mode:	<input type="checkbox"/> Yes (Load Based)	<input type="checkbox"/> Off mode	<input checked="" type="checkbox"/> No	
	Clear Channel Assessment Time:		Xµs	
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input type="checkbox"/> 100% duty	
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Pre-production model	
Operating temperature range:	Tmin:	<input type="checkbox"/> -20°C	<input type="checkbox"/> 0°C	<input checked="" type="checkbox"/> -10°C
	Tnom:	20°C		
	Tmax:	<input type="checkbox"/> 35°C	<input type="checkbox"/> 55°C	<input checked="" type="checkbox"/> 45°C
Type of power source:	<input type="checkbox"/> AC power supply	<input checked="" type="checkbox"/> DC power supply		<input type="checkbox"/> Battery
Operating voltage range:	Vnom:	<input type="checkbox"/> 230V/50Hz	<input checked="" type="checkbox"/> 5Vdc	
Geo-location capability:	<input type="checkbox"/> Yes (The geographical location determined by the equipment is not accessible to the end user as defined in section 4.3.2.12.2 of ETSI EN 300 328 V2.1.1 standard)		<input checked="" type="checkbox"/> No	
Minimum performance criteria for Receiver blocking test:	<input checked="" type="checkbox"/> PER less than or equal to 10%		<input type="checkbox"/> Alternative performance criteria (4)	

CHANNEL PLAN			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
Cmin: 0	2402	20	2442
1	2404	21	2444
2	2406	22	2446
3	2408	23	2448
4	2410	24	2450
5	2412	25	2452
6	2414	26	2454
7	2416	27	2456
8	2418	28	2458
9	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
Cmid : 19	2440	Cmax: 39	2480

DATA RATE		
Data Rate (Mbps)	Modulation Type	Worst Case Modulation
1	GFSK	<input checked="" type="checkbox"/>



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1.3. Test Methodology

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

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 **November 16, 2018 to November 22, 2018**.

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 and ANSI C63.10 (registration number 94821).

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, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.