

EMF TEST REPORT

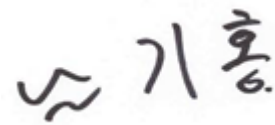
Test Report No. : OT-20D-RWD-024
Reception No. : 2011004696
Applicant : C&A Marketing Inc.
Address : 114 Tived Lane East, Edison NJ 08837
Manufacturer : C&A Marketing Inc.
Address : 114 Tived Lane East, Edison NJ 08837
Type of Equipment : Sprocket 200 Printer
FCC ID. : 2AD2W-HPISP
Model Name : HPISP
Multiple Model Name : N/A
Serial number : N/A
Total page of Report : 7 pages (including this page)
Date of Incoming : November 27, 2020
Date of issue : December 07, 2020

SUMMARY

The equipment complies with the regulation; **FCC PART 15 SUBPART C Section 15.247**

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.



Tested by
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Reviewed by
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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-20D-RWD-024	December 07, 2020	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : C&A Marketing Inc.
Address : 114 Tived Lane East, Edison NJ 08837
Contact Person : Chaim Piekarski / Chief Executive Officer
Telephone No. : 8482442000
FCC ID : 2AD2W-HPISP
Model Name : HPISP
Brand Name : hp
Serial Number : N/A
Date : December 07, 2020

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM DSS – PART 15 SPREAD SPECTRUM TRANSMITTER
E.U.T. DESCRIPTION	Sprocket 200 Printer
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART C Section 15.247
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. GENERAL INFORMATION

2.1 Product Description

The C&A Marketing Inc., Model HPISP (referred to as the EUT in this report) is a Sprocket 200 Printer. The product specification described herein was obtained from product data sheet or user's manual.

Device Type	Sprocket 200 Printer		
Operating Frequency	Bluetooth	2 402 MHz ~ 2 480 MHz	
	Bluetooth LE		
RF Output Power	Bluetooth	1 Mbps	3.42 dBm
		2 Mbps	1.25 dBm
		3 Mbps	1.85 dBm
	Bluetooth LE	0.66 dBm	
Number of Channel	Bluetooth	79 Channels	
	Bluetooth LE	40 Channels	
Modulation Type	Bluetooth	GFSK for 1 Mbps, $\pi/4$ -DQPSK for 2 Mbps, 8-DPSK for 3 Mbps	
	Bluetooth LE	GFSK	
Antenna Type	Bluetooth	Dielectric Chip Antenna	
	Bluetooth LE		
Antenna Gain	Bluetooth	1.8 dBi	
	Bluetooth LE		
List of each Osc. or crystal Freq.(Freq. $\geq$ 1 MHz)	24 MHz		
Rated Supply Voltage	DC 7.4 V		

2.2 Alternative type(s)/model(s); also covered by this test report.

-. None

3. EUT MODIFICATIONS

-. None

4. RF EXPOSURE EVALUATION

4.1 RF Exposure Calculation

According to the FCC rule §1.1310, the limit for General Population/Uncontrolled exposure is 1 mW/cm² for the device operating 1 500 ~ 100 000 MHz.

4.2 EUT Description

Kind of EUT	Sprocket 200 Printer
Device Category	☒ Portable (< 20 cm separation) ☐ Mobile (> 20 cm separation) ☐ Others
Exposure Evaluation Applied	☐ MPE ☐ SAR ☒ SAR Test Exclusion Evaluation

4.3 Test Result of SAR Exclusion for Devices

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3$$

$$= (2.77/5) \times \sqrt{2.48} = 0.87$$

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and excluded SAR Test.

Mode	Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
BDR (1 Mbps)	2 480	3.42 ± 1.0	4.42	2.77	5	0.87
EDR (2 Mbps)	2 441	1.25 ± 1.0	2.25	1.68	5	0.52
EDR (3 Mbps)	2 441	1.85 ± 1.0	2.85	1.93	5	0.60
BLE	2 480	0.66 ± 1.0	1.66	1.47	5	0.46