

ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR LOW-POWER, NON-LICENSED TRANSMITTER

Test Report No. : OT-204-RWD-032
AGR No. : A202A-218
Applicant : C&A Marketing Inc.
Address : 114 Tived Lane East, Edison, New Jersey, 08837, United States
Manufacturer : C&A Marketing Inc.
Address : 114 Tived Lane East, Edison, New Jersey, 08837, United States
Type of Equipment : KODAK STEP INSTANT MOBILE PHOTO PRINTER
FCC ID. : 2AD2W-RODMP20
Model Name : RODMP20
Serial number : N/A
Total page of Report : 7 pages (including this page)
Date of Incoming : March 09, 2020
Date of issue : April 01, 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.

Reviewed by:


Tae-Ho, Kim / Senior Manager
ONETECH Corp.

Approved by:


Ki-Hong, Nam / General Manager
ONETECH Corp.

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Revision History

| Rev. No. | Issue Report No. | Issued Date | Revisions | Section Affected |
|----------|------------------|----------------|-----------------|------------------|
| 0 | OT-204-RWD-032 | April 01, 2020 | Initial Release | All |
| | | | | |
| | | | | |

1. VERIFICATION OF COMPLIANCE

Applicant : C&A Marketing Inc.
 Address : 114 Tived Lane East, Edison, New Jersey, 08837, United States
 Contact Person : Chaim, Piekarski / Chief Executive Officer
 Telephone No. : +8482442000
 FCC ID : 2AD2W-RODMP20
 Model Name : RODMP20
 Brand Name : Canon
 Serial Number : N/A
 Date : April 01, 2020

| | |
|--|--|
| EQUIPMENT CLASS | DSS – PART 15 SPREAD SPECTRUM TRANSMITTER |
| E.U.T. DESCRIPTION | KODAK STEP INSTANT MOBILE PHOTO 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 KDB 558074 D01 15.247 Meas Guidance v05r02 |
| 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 RODMP20 (referred to as the EUT in this report) is a KODAK STEP INSTANT MOBILE PHOTO PRINTER. The product specification described herein was obtained from product data sheet or user's manual.

| | | |
|--|--|----------|
| DEVICE TYPE | KODAK STEP INSTANT MOBILE PHOTO PRINTER | |
| Temperature Range | 5 °C ~ 40 °C | |
| OPERATING FREQUENCY | 2 402 MHz ~ 2 480 MHz | |
| MODULATION TYPE | GFSK for 1Mbps, $\pi/4$ -DQPSK for 2Mbps, 8-DPSK for 3Mbps | |
| RF OUTPUT POWER | 1 Mbps | 6.25 dBm |
| | 2 Mbps | 4.80 dBm |
| | 3 Mbps | 5.16 dBm |
| ANTENNA TYPE | Chip Antenna | |
| ANTENNA GAIN | 1.80 dBi | |
| List of each Osc. or crystal Freq.(Freq. \geq 1 MHz) | 24 MHz | |

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

-. None

3. EUT MODIFICATIONS

-. None

4. MAXIMUM PERMISSIBLE EXPOSURE

4.1 Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission’s guideline.

This is a Portable device with its physical nature to be used nearby, the distance between radiating structure and human is less than 20 cm.

As per KDB 447498 D01, The 1-g and 10-g SAR test exclusion thesholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are detrmined by:

$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Mim. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}]$
 < 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

F(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison.

4.2 EUT Description

| | |
|-----------------------------|--|
| Kind of EUT | KODAK STEP INSTANT MOBILE PHOTO PRINTER |
| Device Category | <input checked="" type="checkbox"/> Portable (< 20 cm separation) <input type="checkbox"/> Mobile (> 20 cm separation) <input type="checkbox"/> Others |
| Exposure Evaluation Applied | <input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> N/A |

4.3 Test Result

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

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

$$= (4.47/5) \times \sqrt{2.441} = 1.40$$

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

| Operating Mode | Frequency (MHz) | Target Power W/tolerance (dBm) | Max tune up power (dBm) | Max tune up power (mW) | Separation distance (mm) | RF exposure |
|------------------|-----------------|--------------------------------|-------------------------|------------------------|--------------------------|-------------|
| Bluetooth_1 Mbps | 2 402.00 | 5.5 ± 0.5 | 6.00 | 3.98 | 5.00 | 1.23 |
| | 2 441.00 | 6.0 ± 0.5 | 6.50 | 4.47 | 5.00 | 1.40 |
| | 2 480.00 | 4.0 ± 0.5 | 4.50 | 2.82 | 5.00 | 0.89 |
| Bluetooth_2 Mbps | 2 402.00 | 4.0 ± 0.5 | 4.50 | 2.82 | 5.00 | 0.87 |
| | 2 441.00 | 4.5 ± 0.5 | 5.00 | 3.16 | 5.00 | 0.99 |
| | 2 480.00 | 2.0 ± 0.5 | 2.50 | 1.78 | 5.00 | 0.56 |
| Bluetooth_3 Mbps | 2 402.00 | 4.5 ± 0.5 | 5.00 | 3.16 | 5.00 | 0.98 |
| | 2 441.00 | 5.0 ± 0.5 | 5.50 | 3.55 | 5.00 | 1.11 |
| | 2 480.00 | 2.5 ± 0.5 | 3.00 | 2.00 | 5.00 | 0.63 |



Tested by: Hyung-Kwon, Oh / Manager