



RF EXPOSURE REPORT

Report Reference No..... : TRE1507013703 R/C.....:15490

FCC ID..... : 2AB7X-CHC2X

Applicant's name..... : BBPOS Limited

Address..... : Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road Tsuen Wan, N.T. HK

Manufacturer..... : BBPOS Limited

Address..... : Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road Tsuen Wan, N.T. HK

Test item description : Chipper 2X

Trade Mark : BBPOS

Model/Type reference..... : CHC2X

Listed Model(s)..... : CHC20

Standard : FCC Per 47 CFR 2.1093(d)

Date of receipt of test sample..... : July 24, 2015

Date of testing : Aug 4, 2015- Sep 25, 2015

Date of issue..... : Oct 15, 2015

Result..... : PASS

Compiled by
(position+printed name+signature)...: File administrators Candy Liu

Candy Liu

Supervised by
(position+printed name+signature)...: Project Engineer Hans Hu

Hans Hu

Approved by
(position+printed name+signature)...: RF Manager Hans Hu

Hans Hu

Testing Laboratory Name : Shenzhen Huatongwei International Inspection Co., Ltd

Address..... : Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Shenzhen, China

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1. Standard Requirement

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

According to §1.1310, KDB447498 D01 and §2.1093 RF exposure is required

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ 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
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2. TEST RESULTS

Result = $P \cdot \sqrt{f} / D$

P: Maximum Tune up power in mW

F: channel frequency in GHz

D: minimum test separation distance in mm

Mode	CH	Conducted power(dBm)	Tune up power (dBm)	Result	Limit	Result
GFSK	2402	5.433	5.8 ± 0.5	0.176	3.0	Pass
	2440	5.879	5.8 ± 0.5	0.178	3.0	Pass
	2480	6.126	5.8 ± 0.5	0.179	3.0	Pass

3. Conclusion

So standalone SAR measurements are not required for both head and body.

-----End of Report-----