

SAR Exemption Evaluation

Applicant	InPlay, Inc.
FCC ID	2BMK3-CARD01NC
Product	Bluetooth low energy item finder
PMN	InCard Finder
Brand	InCard
Model	CARD01NC
Report No.	R2412A2013-S1V1
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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	April 9, 2025
Rev.1	Update description.	April 17, 2025
Note: This revised report (Report No.: R2412A2013-S1V1) supersedes and replaces the previously issued report (Report No.: R2412A2013-S1). Please discard or destroy the previously issued report and dispose of it accordingly.		

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
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1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25°C
Relative humidity	Min. = 20%, Max. = 80%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Description of Equipment Under Test

Client Information

Applicant	InPlay, Inc.
Applicant address	1 Technology Drive, STE J728, Irvine, CA, USA 92618
Manufacturer	InPlay, Inc.
Manufacturer address	1 Technology Drive, STE J728, Irvine, CA, USA 92618

General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	CARD01NC
Lab internal SN	R2412A2013/S01
Hardware Version	CARD01NC
Software Version	1.4.12
Antenna Type	Internal Antenna
Date of Testing	January 3, 2025 ~ February 22, 2025
Date of Sample Received	December 20, 2024
Note: The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology	Modulation	Operating Mode	Tx (MHz)
Bluetooth LE	Version 5.4 LE		2402 ~2480

3 Test Specification, Methods and Procedures

Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

4 Output Power

Bluetooth LE	Output Power(dBm)		
	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz
GFSK (1M)	5.02	5.05	5.27
GFSK (2M)	5.06	4.85	5.19

5 Standalone SAR Test Exclusion Considerations

Per KDB 447498 D01, 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

- $f(\text{GHz})$ 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

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Frequency (MHz)	Distance (mm)	MAX Power (dBm)	Result Calculation	SAR test exclusion thresholds	Evaluation
Bluetooth	Extremity SAR	2480	5	5.27	1.06	7.5	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine evaluation.

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

*****END OF REPORT *****