

REM-EMIESS22O609NGA-01Av0

MPE test report

According to the standard:

CFR 47 FCC PART 15

Equipment under test:

***SPORT EDGE DEVICE
BOXY01***

FCC ID: 2A940-BOXY01

Company:

BALLY'S CORPORATION

Distribution: Mr FREMONT

(Company: NG-AI)

Number of pages: 6

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval	
			Name and Function	Visa
0	21-Jun-23	Creation	M. DUMESNIL, Radio Laboratory Manager	

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This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

Information in italics are declared by the manufacturer/customer and are under his responsibility

DESIGNATION OF PRODUCT: ***SPORT EDGE DEVICE***

Serial number (S/N): 4622-0038

Reference / model (P/N): BOXY01

Software version: 1.0.00027

MANUFACTURER: NG-AI

COMPANY CERTIFYING THE PRODUCT:

Company: BALLY'S CORPORATION

Address: 100 Westminster Street, Providence
ROHDE ISLAND 02903
UNITED STATES

Responsible: Mr MIRI

COMPANY SUBMITTING THE PRODUCT:

Company: NG-AI

Address: 1, RUE FERMAND TRUFFAUT
14800 DEUVILLE
FRANCE

Responsible: Mr FREMONT

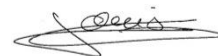
Person present during the tests: Mr Bioret (the first day)

DATE OF TEST: 20-Jun-23

TESTING LOCATION: EMITECH ANGERS laboratory at JUIGNE SUR LOIRE (49) FRANCE
FCC Accredited under US-EU MRA Designation Number: FR0009
Test Firm Registration Number: 873677

TESTED BY: S. LOUIS

VISA:

A handwritten signature in black ink, appearing to read "Bioret", with a long horizontal stroke extending to the right.

WRITTEN BY: S. LOUIS

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REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	21-Jun-23	/	Creation

1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **SPORT EDGE DEVICE, Model: BOXY01**, in accordance with normative reference.

The equipment under test integrates a Bluetooth Low Energy radio function.

2. PRODUCT DESCRIPTION

Class:	B		
Utilization:	Residential		
Antenna type and gain:	Low Channel:	1.10 dBi / integral PCB antenna	
	Central Channel:	1.23 dBi / integral PCB antenna	
	High Channel:	1.98 dBi / integral PCB antenna	
Operating frequency range:	From 2400 MHz to 2483.5 MHz		
Number of channels:	40		
Channel spacing:	2MHz		
Modulation:	GFSK		
Power source:	3.7Vdc by lithium battery		
Power settings	10dBm (adjusted by software)		

Power level, frequency range and channels characteristics are not user adjustable.
The details pictures of the product and the circuit boards are joined with this file.

3. NORMATIVE REFERENCE

The standards and testing methods related throughout this report are those listed below.

They are applied on the whole test report even though the extensions (version, date and amendment) are not repeated.

CFR 47 (2023)	Radio Frequency Devices
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ANSI C63.10	2013 Procedures for Compliance Testing of Unlicensed Wireless Devices.
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447498 D01 General RF Exposure Guidance v06	RF Exposure procedures and equipment authorization policies for mobile and portable equipment
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4. RF EXPOSURE

In accordance with KDB 447498 D01 General RF Exposure Guidance v06, Paragraph 4.3.1.

Maximum measured power = 104.1 dB μ V/m = 0.00771 W at 2480 MHz
with $P = (E \times d)^2 / (30 \times G_p)$ with $d = 3$ m and $G_p = 1$

The test separation distance declared is 5 mm **(with a minimum value of 5 mm)**

The product must respect the exclusion limit for 10-g extremity SAR.

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 7.5$

According this formula:

Min. test separation distance, mm $\geq [(\text{max. power of channel, including tune-up tolerance, mW}) * \sqrt{f(\text{GHz})}] / 7.5$

Min. test separation distance, mm $\geq [7.71 (\text{mW}) * \sqrt{(2.480)}] / 7.5$

Min. test separation distance, mm ≥ 1.62 mm (with a minimum value of 5 mm)

The equipment fulfils the requirements on maximum conducted or equivalent isotropically radiated power (e.i.r.p) for general population/uncontrolled exposure and therefore fulfils the requirements of 47 CFR §1.1310 at the distance greater than 5 mm between the user and the antenna.