

FCC RF Exposure Exemption report
for
GPS enabled cycling compute
Model No.: Rider 650 neo
FCC ID: YDM-CA2602

of

Applicant: Bryton Incorporation
Address: 7 F., No. 75, Zhouzi St., Neihu Dist.,
Taipei City 114680, Taiwan (R.O.C.)

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634



Report No.: W6M22606-25221-EE

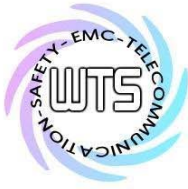
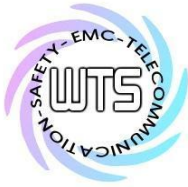


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Worldwide Testing Services(Taiwan) Co., Ltd.

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-

1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

Tester:

September 04, 2026

Rick Chen

Rick Chen.

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

September 04, 2026

Kevin Wang

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

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1.2 Testing laboratory

1.2.1 Location

10m OATS

No.5-1, Lishui, Shuang Sing Village, Wanli Dist.,
New Taipei City 207, Taiwan (R.O.C.)

3 meter semi-anechoic chamber/Conducted Emission

No. 99, Sec. 1, Balian Rd., Xizhi Dist.,
New Taipei City 221032, Taiwan (R.O.C.)

Worldwide Testing Services (Taiwan) Co., Ltd.
6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,
Taipei City 114, Taiwan (R.O.C.)
Tel: 886-2-6606-8877

1.2.2 Details of accreditation status

Accredited testing laboratory

FCC filed test laboratory Reg. No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :

Name: ./.
Accredited no.: ./.
Street: ./.
Town: ./.
Country: ./.

1.3 Application details

Approval holder

Name: Bryton Incorporation
Street: 7 F., No. 75, Zhouzi St., Neihu Dist.,
City: Taipei City 114680,
Country: Taiwan (R.O.C.)

Manufacturer: (if applicable)

1.
Name: Pan-International Precision Electronic Co.,Ltd.
Street: Xinlian Indl. Area, Hu-men,
Town: Dongguan, Guangdong,
Country: China



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22606-25221-EE

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2.

Name: Pan-International Electronics Sdn. Bhd.
Street: Plot 4, Seberang Jaya Industrial Estate Bandar
Town: Seberang Jaya 13700 Prai Penang,
Country: Malaysia

Date of receipt of test item: June 30, 2026

Date of test: from July 01, 2026 to August 04, 2026

1.4 General information of Test item

Type of test item: GPS enabled cycling computer
Model no.: Rider 650 neo
Multi-listing model no.: Rider 550 neo
Brand name: Bryton
Power supply: USB 5Vd.c.
Battery 3.7Vd.c., 1000mAh, 3.7Wh

Technical data

Model No.:Rider 650 neo

Mode	Channel	Power (dBm)
BLE 1M	Ch 0 : 2402 MHz	-0.29
	Ch 19 : 2440 MHz	0.40
	Ch 39 : 2480 MHz	1.62
BLE 2M	Ch 0 : 2402 MHz	-2.05
	Ch 19 : 2440 MHz	-0.18
	Ch 39 : 2480 MHz	1.54

Multi-listing Model No.:Rider 550 neo

Mode	Channel	Power (dBm)
BLE 1M	Ch 0 : 2402 MHz	0.17
	Ch 19 : 2440 MHz	0.52
	Ch 39 : 2480 MHz	0.75
BLE 2M	Ch 0 : 2402 MHz	0.16
	Ch 19 : 2440 MHz	0.56
	Ch 39 : 2480 MHz	0.55



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22606-25221-EE

FCC ID: YDM-CA2602

Type of antenna: PCB antenna

Antenna gain: 0 dBi

Operation modes: Duplex

Modulation type: GFSK

Sample no.: #01

Classification:

Fixed Device	☐
Mobile Device (Human Body distance > 20cm)	☐
Portable Device (Human Body distance < 20cm)	☒

1.5 Test standards

47 CFR FCC Part 2 Subpart J, section 2.1093

FCC KDB Publication

447498 D04 General RF Exposure Guidance v01



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2 Test configuration

2.1 Test environment

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Extreme conditions parameters: ./.

2.2 Measurement uncertainty

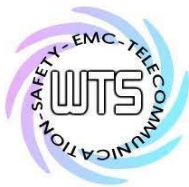
Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Output Power (transmitter))	Expanded Uncertainty : 1.63 dB

The decision rule is: Measurement uncertainty is not included in the calculation of test results.

2.3 Test Equipment List

Max Output Power

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2026/2/13	2027/2/12
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2026/3/12	2027/3/11
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2026/2/13	2027/2/12
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2026/2/13	2027/2/12



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3 RF Exposure Evaluation

3.1 SAR Test Exclusion Evaluation according to FCC KDB Publication

RESULT:

Test standard : FCC KDB Publication
447498 D04 Interim General RF Exposure Guidance v01

3.1.1 Exemption Limits for Routine Evaluation – SAR Evaluation

According to FCC KDB 447498 D04 Interim General RF Exposure Guidance v01, standalone SAR test exemption applies to single RF sources operating from 300 MHz to 6 GHz with separation distances from 0.5 cm to 40 cm. The device is exempt from SAR evaluation if the available maximum time-averaged conducted power or effective radiated power (ERP), whichever is greater, does not exceed the applicable SAR test exclusion threshold.

Mode No: Rider 650 neo

Band	Frequency (MHz)	Max output power (dBm)	Antenna Gain (dBi)	EIRP/ERP (mW)	Limit (mW/cm ²)	Result
BLE 1M	Ch 39 : 2480	1.62	0	1.45/0.89	3	PASS
BLE 2M	Ch 39 : 2480	1.54	0	1.42/0.87	3	PASS

Multi-listing Model No.: Rider 550 neo

Band	Frequency (MHz)	Max output power (dBm)	Antenna Gain (dBi)	EIRP/ERP (mW)	Limit (mW/cm ²)	Result
BLE 1M	Ch 39 : 2480	0.75	0	1.18/0.72	3	PASS
BLE 2M	Ch 19 : 2440	0.56	0	1.13/0.69	3	PASS

The separation distance used for SAR exemption evaluation is 5 mm.