TEST REPORT

Reference No.	:	WTX23X12264031W002
Manufacturer	:	Descartes System Group Inc
Address	:	105 Trafalgar Street, Floor 2 Floor 2, Nelson, 7010 New Zealand
Product Name	:	COREInsight BLE Beacon Tag
Model No.	:	STD001
Standards	:	**EN IEC 62311:2020** **EN 50665:2017**
Date of Receipt sample	:	2023-12-12
Date of Test	:	2023-12-12 to 2023-12-23
Date of Issue	:	2023-12-23
Test Report Form No.	:	WTX_ EN 50665_2017W
Test Result	:	**Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

Tel.: +86-755-33663308 Fax.: +86-755-33663309 Email: sem@waltek.com.cn

Tested by:

Mike Shi

Approved by:

Silin Chen

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	COREInsight BLE Beacon Tag
Trade Name:	/
Model No.:	STD001
Adding Model(s):	/
Rated Voltage:	Battery:DC3.6V
Battery Capacity:	2700mAh
Power Adaptor Model:	/
Software Version:	STD001 V63
Hardware Version:	1.0
Note: The test data is gathered from a production sample, provided by the manufacturer.	

Technical Characteristics of EUT	
Bluetooth	
Bluetooth Version:	Bluetooth V5.0 (BLE Mode)
Frequency Range:	2402MHz-2480MHz
Max.RF Output Power:	/
Type of Modulation:	GFSK
Data Rate:	1Mbps
Quantity of Channels	40
Channel Separation:	2MHz
Type of Antenna:	/
Antenna Gain:	3dBi
Note: The Antenna Gain is provided by the customer and can affect the validity of results.	

1.2 Compliance Standards

The tests were performed according to following standards:

EN 50665:2017: Generic standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz - 300GHz).
EN IEC 62311:2020: Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz to 300GHz)

1.3 Test Methodology

All measurements contained in this report were conducted with EN 50665,
The equipment under test (EUT) was configured to measure its highest possible emission level. For more detail refer to the Operating Instructions.

1.4 Test Facility

Address of the test laboratory
Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.
Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990
Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A
The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

2. RF EXPOSURE REFERENCE LEVELS

2.1 Standard Applicable

This International Standard applies to electronic and electrical equipment for which no dedicated product- or product family standard regarding human exposure to electromagnetic fields applies. The frequency range covered is 0 Hz to 300 GHz.

The object of this generic standard is to provide assessment methods and criteria to evaluate such equipment against basic restrictions or reference levels on exposure of the general public related to electric, magnetic and electromagnetic fields and induced and contact current.

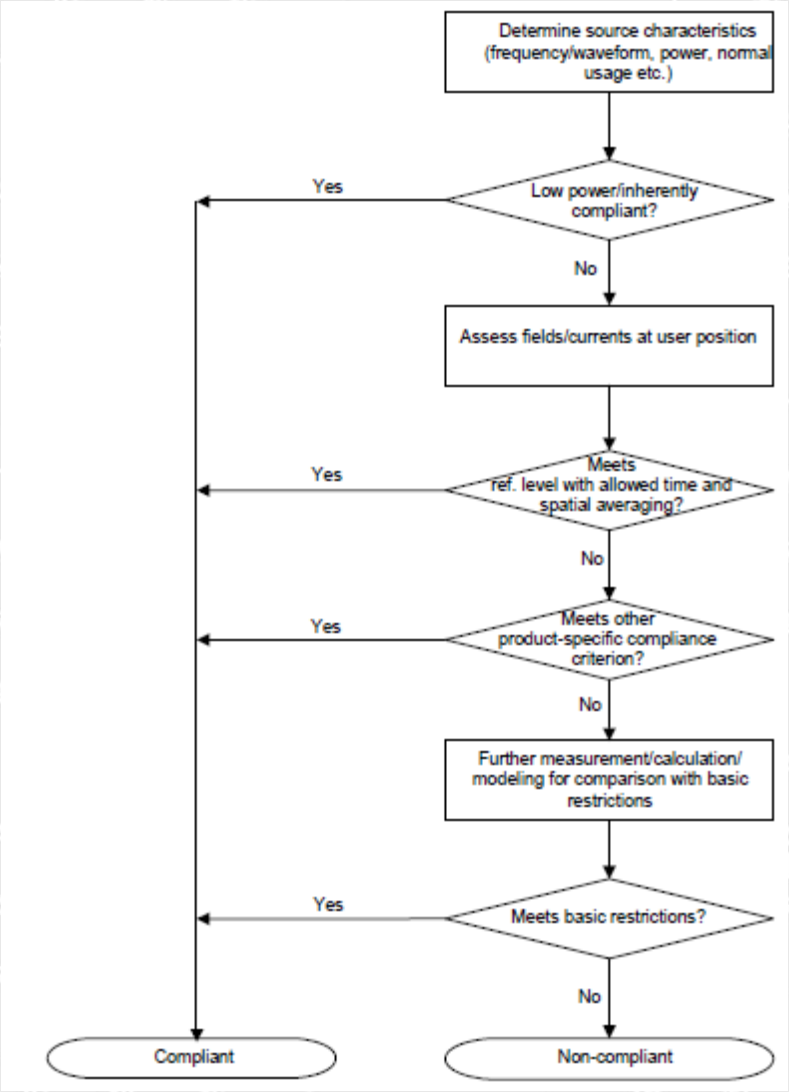
Normative reference

EN 62311:2020, Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz – 300GHz).

2.2 Applicability of compliance assessment methods

EN 62311 Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz–300 GHz) is to demonstrate the compliance of apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.

Assessment flowchart:



Note: The decision “low power / inherently compliant” shall be based on an assessment where the emissions are specified in a performance standard e.g. a transmitter performance standard and where the output power is limited to a level that cannot exceed the basic restriction. It can also be any other product standard giving the same limitation on the emission level. Some products use a technology or input powers that have the consequence that the emissions cannot exceed the basic restrictions, e.g. non-radio transmitter products like wrist-watches, ADSL modems, computers, telecommunications equipment and hi-fi systems. This shall also be taken into account when the assessment is made.

2.3 Conformity Assessment

Based on the technical characteristics of the products, this low-power equipment includes unintentional (or non-intentional) radiators and does not contain radio transmitters, typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels.

EXHIBIT 1 - EUT PHOTOGRAPHS

Please refer to “ANNEX”.

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