



TABLE OF CONTENTS

1. GENERAL INFORMATION.....4
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....4
1.2 COMPLIANCE STANDARDS5
1.3 TEST METHODOLOGY.....5
1.4 TEST FACILITY5

2. RF EXPOSURE BASIC RESTRICTIONS.....6
2.1 STANDARD APPLICABLE.....6
2.2 EVALUATION RESULTS.....6

EXHIBIT 1 - EUT PHOTOGRAPHS.....7

WALTEK



Report version

Version No.	Date of issue	Description
Rev.00	2024-09-25	Original
/	/	/

WALTEK



1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Pallet tag
Trade Name:	/
Model No.:	PLT005
Adding Model(s):	/
Rated Voltage:	DC3V
Battery Capacity:	/
Power Adaptor Model:	/
Software Version:	plt005_v65.1.1
Hardware Version:	1.0
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Bluetooth	
Bluetooth Version:	Bluetooth V5.3(BLE Mode)
Frequency Range:	2402MHz-2480MHz
Max.RF Output Power:	1Mbps:7.49dBm (EIRP) 2Mbps:7.48dBm (EIRP)
Type of Modulation:	GFSK
Data Rate:	1Mbps, 2Mbps
Quantity of Channels	40
Channel Separation:	2MHz
Type of Antenna:	Mini Patch Antenna
Antenna Gain:	3.5dBi
<i>Note: The Antenna Gain is provided by the customer and can affect the validity of results.</i>	



1.2 Compliance Standards

The tests were performed according to following standards:

EN 50663:2017: Generic standard for assessment of low power electronic and electrical equipment related to human exposure to electromagnetic fields (10MHz to 300GHz).

EN 62479:2010: Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz).

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with EN 50663, 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 BASIC RESTRICTIONS

2.1 Standard Applicable

Equipment complying with the requirements for the general public is deemed to comply with the requirements for workers without further testing.

The conformity assessment to demonstrate equipment compliance shall be made according to EN 62479:2010, 4.1 and Clause 6.

If routes B, C or D of 4.1 of EN 62479:2010 are followed then the values of P_{max} , as described in 4.2 of EN 62479:2010 and given in Annex A of EN 62479:2010, shall be replaced by those in Table 1 below.

Table 1 — Values of P_{max}

Exposure tier	Region of body	$P_{max}(mW)$
General public	Head and trunk	20
	Limbs	40
Workers	Head and trunk	100
	Limbs	200

2.2 Evaluation Results

Maximum Average Output Power

Modulation/ Frequency (MHz)	ERP/EIRP	ERP/EIRP	Limit	Result
	dBm	mW	mW	Pass/Fail
BLE 1Mbps				
2402	6.42	4.3853	20	Pass
2440	7.06	5.0816	20	Pass
2480	7.49	5.6105	20	Pass
BLE 2Mbps				
2402	6.39	4.3551	20	Pass
2440	7.02	5.0350	20	Pass
2480	7.48	5.5976	20	Pass

Since average output power at worse case is: 5.6105mW which cannot exceed the exempt condition, 20mW specified in EN 50663. Correspondence between this European standard and Article 3 of Directive 2014/53/EU [2014 OJ L153]



EXHIBIT 1 - EUT PHOTOGRAPHS

Please refer to "ANNEX".

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

WALTEK