EN 62479 EMF ASSESS REPORT

FOR

Applicant	:	LJ ELECTRONICS TECHNOLOGY LIMITED
Address	:	Suite 1003,10/F.,Chung Sheung Building,9 Queen Victoria Street,Centra,HONG KONG
Equipment	:	LoRa Tranceiver Module
Model No.	:	LJ1276-868
Trade Mark	:	LJelect
Manufacturer	:	LJelectGONGGUAN HOLCHAN ELECTRONICS TECHNOLOGY LIMITED
Address	:	The 2nd Floor (west side),JieAn Industrial Park, The 1st Industrial Road,TuTang Village,ChangPing Town,DongGuan City, GuangDong, ChinaChangPing Town,DongGuan City, GuangDong, China

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

Tel: +86-0769-38826678, **E-mail:** ddt@dgddt.com, http://www.dgddt.com

REPORT

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TEST REPORT DECLARE

Applicant	**:**	LJ ELECTRONICS TECHNOLOGY LIMITED
Address	**:**	Suite 1003,10/F.,Chung Sheung Building,9 Queen Victoria Street,Centra,HONG KONG
Equipment under Test	**:**	LoRa Tranceiver Module
Model No.	**:**	LJ1276-868
Trade Mark	**:**	LJelect
Manufacturer	**:**	LJelectGONGGUAN HOLCHAN ELECTRONICS TECHNOLOGY LIMITED
Address	**:**	The 2nd Floor (west side),JieAn Industrial Park, The 1st Industrial Road,TuTang Village,ChangPing Town,DongGuan City, GuangDong, ChinaChangPing Town,DongGuan City, GuangDong, China

Assess Standard Used: EN 62479:2010

We Declare:

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with EN62479 standard.

Report No.:	DDT-R19050915-1E3		
Date of Receipt:	Jul. 04, 2019	**Date of Test:**	Jul. 04, 2019~ Aug. 01, 2019

Prepared By: ***Approved By:***

Ella Gong/Engineer ***Damon Hu /EMC Manager***

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision history

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 01, 2019	

1. General information

1.1. Description of Equipment

EUT* Name	:	LoRa Tranceiver Module
Model Number	:	LJ1276-868
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 3.3 V
Operation frequency	:	868.1 MHz- 868.5 MHz
Number of Channel	:	3 Channels
Modulation	:	LoRa
Antenna Type	:	Dedicated Antenna, maximum PK gain: 1.2 dBi
Sample Type	:	Series production

Note: EUT is the ab. of equipment under test.

1.2. Accessories of Equipment

Description of Accessories	Brand	Model number	Serial No.	Other
/	/	/	/	/

1.3. Assess Standard

EN 62479: 2010: Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)

1.4. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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CNAS Accreditation No. L6451; A2LA Accreditation No. 3870.01

2. Conformity assessment methods

2.1. General considerations

Compliance of electromagnetic emissions from electronic and electrical equipment with the basic restrictions usually is determined by measurements and, in some cases, calculation of the exposure level. If the electrical power used by or radiated by the equipment is sufficiently low, the electromagnetic fields emitted will be incapable of producing exposures that exceed the basic restrictions.

Four routes, as illustrated in Figure 1 and described as follows, can be used to demonstrate compliance with EN62479

1. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

3. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2 of EN62479

4. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2 of EN62479

5. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2 of EN62479

If none of these routes can be used, then the equipment is deemed to be out of the scope of this standard and EMF assessment for conformity assessment purposes shall be made according to other standards, such as IEC 62479 or other EMF product standards.

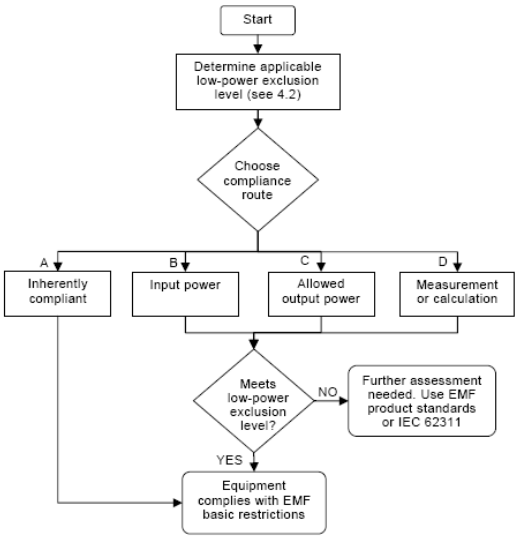

Figure 1 – Routes to show compliance with low-power exclusion level

5.1. Low-power exclusion level(Pmax)

Low-power electronic and electrical equipment is deemed to comply with the provisions of EN62479 if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level Pmax.

For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the Pmax values given in Annex A of EN62479 the alternative Pmax values (called Pmax′), described in Annex B of EN62479 can also be used.

6. Assess Result

It is found that the max result=16.94 mW is less than 20mW (please refer to the test report "DDT-R19050915-1E2.") The SAR-based Pmax follows Guideline / Standard: ICNIRP. Therefore, the EUT is deemed to comply with EMF basic restrictions.

END OF REPORT