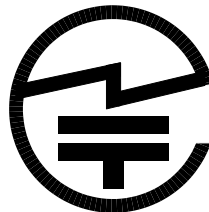


## Construction Type Certification

Registration No.	CSRT160290	
Certificate Holder	NEMEUS 13 rue de La Vallée 35220 SAINT DIDIER, FRANCE	
Product Category	Article 2, Paragraph 1, Item 8	
Model Type or Name	MM002-L-JP	
Type of Emission, Frequency and Antenna Power	G1D 920.6MHz - 928MHz (100kHz separation, 74 channels) G1D 920.7MHz - 927.9MHz (100kHz separation, 72 channels)	19.96 mW 19.96 mW
Manufacturer	NEMEUS 13 rue de La Vallée 35220 SAINT DIDIER, FRANCE	
Factory	Shinko Assembly China Co., Ltd. 1-4F., Block 10, Jingwah Electronics Pinghu Industrial Zone, No.187 Liangbai Road, Liang'antian, Pinghu, Longgang District, Shenzhen, Guangdong Province, P. R. China/518111	
Remarks	The scope of evaluation relates to the submitted documents and product only. It is only valid in conjunction with the Annex.	

When the product is placed on the Japanese market, the Specified Radio Equipment marking as shown on the right must be attached on visible part of the product.




**R** 018-160290

Witnesses that the certification is on Construction Type Certification under Article 38-24 of the Radio Law.

Date of Certificate  
2017-03-03



Certification Examiner : Takuji Nakano  
 /Certificate Technical Support Center Co., Ltd.

**Technical Construction Form (Y)**

1. Product Description	Wireless Module for LoRaWAN	
2. Model Number	MM002-L-JP	
3. IEEE Standard No.	—	
4. Transmitter		
(1) Rated Output	200K 19.96 mW 400K 19.96 mW	
(2) Type of Emission and Frequency	200K G1D 920.6MHz - 928MHz (100kHz separation, 74 channels) 400K G1D 920.7MHz - 927.9MHz (100kHz separation, 72 channels)	
(3) Oscillation	Synthesizer method using Crystal Oscillator with 32MHz	
(4) Type of Modulation	FSK, GFSK, MSK, GMSK, OOK, ASK	
(5) Spectrum Spread Method etc.	DSSS	
(6) RF Module/Chip	SX1272	
5. Antenna		
(1) Type or Structure	Omnidirectional antenna	
(2) Antenna Gain	1.2 dBi	
6. Power Source	DC3.0V	
7. Auxiliary Equipment	- Transmitting Time Control Function - Carrier Sense Function (The function specified in MIC Notification No.49(1989))	
8. Test Report	CSRT160290TR01 (Date of Issue: 2017.03.01)	
9. Test Laboratory	Certificate Technical Support Center Co., Ltd.	
10. Review Documents	Block Diagram Circuit Diagram BOM List Antenna Specification	External Photographs Internal Photographs User Manual Certificate Label Information PCB Layout
11. Confirmation Method of Certification by Type	ISO 9100 Certificates QC Assignment Form	(Shinko Assembly China Co., Ltd.)
12. Reference Information	Module sheped radio equipment Peripherals: MK002 series USB keys and other Host boards Interfaces: GPIO, VCC+3.0V, NRST	