

Xiamen Milesight IoT Co., Ltd.  
Add:Building C09, Software Park Phase III, Xiamen 361024,Fujian,China  
Tel: 0592-5023060  
Fax: 0592-5023065  
Email: tongzl@milesight.com

## DECLARATION OF SIMILARITY

Date:2023-6-26

### FEDERAL COMMUNICATIONS COMMISSION

Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046

We, Xiamen Milesight IoT Co., Ltd., hereby declare that the product: Solenoid Valve Controller (**FCC ID:2AYHY-UC51XV3**), model: NC511-DI-915M, UC511-DI-9M, NC511-DI-9M, UC512-DI-915M, NC512-DI-915M, UC512-DI-9M, NC512-DI-9M are electrically identical with the model: UC511-DI-915M with the same electromagnetic emissions and electromagnetic compatibility characteristics.

A description of the differences between the tested model and those that are declared similar are as follows:

The models have same software. The below table show differences:

|               | PN | External LoRa antenna | Power Support                                                                                                                     | PCB difference | The other difference                                                                                                                                               |
|---------------|----|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UC511-DI-915M | -- | --                    | Comes with solar panels (6V, 1.7W) + 2*2550mAh chargeable battery(ICR18650/26V, 3.6V,2550mAh)                                     | Same PCB       | No PN code indicates Built-in Lora antenna and no external antenna                                                                                                 |
| NC511-DI-915M | -- | --                    |                                                                                                                                   |                |                                                                                                                                                                    |
| UC511-DI-9M   | -- | --                    |                                                                                                                                   |                |                                                                                                                                                                    |
| NC511-DI-9M   | -- | --                    |                                                                                                                                   |                |                                                                                                                                                                    |
| UC511-DI-915M | EA | ✓                     | Comes with solar panels (6V, 1.7W) +2*2550mAh chargeable battery(ICR18650/26V, 3.6V,2550mAh) +5-24VDC+External Solar panel(6V,5W) |                | With PN code indicates an external Lora antenna and no internal antenna. And this version has two additional ports, a solar port and an external lora antenna port |
| NC511-DI-915M | EA | ✓                     |                                                                                                                                   |                |                                                                                                                                                                    |
| UC511-DI-9M   | EA | ✓                     |                                                                                                                                   |                |                                                                                                                                                                    |
| NC511-DI-9M   | EA | ✓                     |                                                                                                                                   |                |                                                                                                                                                                    |

|               |    |    |                                                                          |             |                                                                                                                                                      |
|---------------|----|----|--------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| UC512-DI-915M | -- | -- | 3*9000mAh replaceable<br>Li- SoCl2<br>battery(ER26500 ,3.6V,9<br>000mAh) | Same<br>PCB | No PN code indicates<br>Built-in Lora antenna<br>and no external antenna                                                                             |
| NC512-DI-915M | -- | -- |                                                                          |             |                                                                                                                                                      |
| UC512-DI-9M   | -- | -- |                                                                          |             |                                                                                                                                                      |
| NC512-DI-9M   | -- | -- |                                                                          |             |                                                                                                                                                      |
| UC512-DI-915M | EA | ✓  |                                                                          |             | With PN code indicates<br>an external Lora antenna<br>and no internal antenna.<br>And this versionhas an<br>additional external lora<br>antenna port |
| NC512-DI-915M | EA | ✓  |                                                                          |             |                                                                                                                                                      |
| UC512-DI-9M   | EA | ✓  |                                                                          |             |                                                                                                                                                      |
| NC512-DI-9M   | EA | ✓  |                                                                          |             |                                                                                                                                                      |

Please contact me should there be need for any additional clarification or information.

Best Regards,

Signature:



Printed Name: Zhenlong Tong

Title: Manager