

# LoRaWAN Certification by Similarity

## Case B: End-Device Certification by Similarity

### Applicant:

Company: Seeed Technology Co., Ltd.

Location: 9F, Building G3, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, China

### Positive Assessment:

Dear Sir,

According to LoRa Alliance Certification process description for LoRaWAN devices detailed in the “Certification By Similarity Declaration V1\_1”, the certification by similarity is an option to get the LoRa Alliance Certification.

Based on the information provided by Seeed Technology Co., Ltd., the device “SenseCAP Soil Moisture, Temperature and EC Sensor” meets all the requirements specified by the LoRa Alliance, this device is a variant device which design is based on the already LoRaWAN certified device “SenseCAP Air Temperature and Humidity Sensor”.

According to the documentation provided by Seeed Technology Co., Ltd.. the device under certification, has:

- The same LoRa transceiver
- The same LoRa protocol SW version
- The same MCU Core
- The same Clock design and implementation

than the certified integrated module, and the product’s application software cannot interfere with the execution of the LoRaWAN protocol stack.

Data provided by Seeed Technology Co., Ltd. complies with LoRa Alliance requirements for certification by similarity.

### DUT information:

Original Certified End-Device		Variant End-Device	
<b>Model Identification:</b>	SenseCAP Air Temperature and Humidity Sensor	<b>Model Identification:</b>	SenseCAP Soil Moisture, Temperature and EC Sensor
<b>LoRaWAN Region:</b>	EU868 / US915	<b>LoRaWAN Region:</b>	EU868 / US915
<b>Supported Class:</b>	Class A	<b>Supported Class:</b>	Class A
<b>Type of DUT:</b>	End Device/Sensor	<b>Type of DUT:</b>	End Device/Sensor
<b>LoRaWAN Version:</b>	1.0.2	<b>LoRaWAN Version:</b>	1.0.2
<b>Hardware Version:</b>	1.2	<b>Hardware Version:</b>	1.2
<b>Firmware Version:</b>	2.0	<b>Firmware Version:</b>	2.0
<b>Link of Certification:</b>	<a href="https://lora-alliance.org/lora_products/sensecap-air-temperature-and-humidity-sensor/">https://lora-alliance.org/lora_products/sensecap-air-temperature-and-humidity-sensor/</a>	/	

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