



**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE

## GENERAL INFORMATION

FCCID: 2ACQC-TB1E1

### 1.1. Product description





LCIE

**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE

## QUICK START GUIDE

Dive into the magical worlds of **tori™**! Discover a unique experience where you craft and play with real toys to explore exciting universes!  
To enjoy the adventure, we recommend you read this with your parents.  
To get started, make yourself comfy by sitting around a table or any flat surface. You will need a tablet or a smartphone to play.



Check the compatibility of your device  
on [tori.com/compatibility](http://tori.com/compatibility).

Put the device in front of you in landscape standing position.



Your smart device doesn't stand by itself?  
Don't worry we thought about everything!  
You will find a DIY Stand in the Creative Kit.

Connect your device to the internet  and download the 4 **tori™** games:  
**Jungle Rescue**, **Crystal Chase**, **Supreme Builder** and  
**Shades of Light!** Each game is linked to a **tori™ Toy**,  
you will use to interact and dive into the experience.  
Stay tuned because we release apps on a regular basis!



**Crystal Chase**  
Dexterity  
and reflexes  
are key to  
defeating the  
Space Pirates



**Jungle Rescue**  
Be smart  
and sharp  
to save  
Mother Nature



**Shades  
of Light**  
Wizardry is  
afoot with this  
Perspective  
Puzzle game



**Supreme  
Builder**  
Imagine,  
build and  
create a whole  
New World



The apps are available on the App Store   
or on the Google Play™ Store 



LCIE

## LCIE SUD EST

Laboratoire de Moirans

Z.I. Centr'Alp

170, Rue de Chatagnon

38430 MOIRANS - FRANCE

ENGLISH

Take the **tori™ Board** and place it between you and your smart device. Here is a view of your new playground!



Your smart device should be placed close to the board to be detected (maximum 8 m/26 ft)



Left handed? No problem, go in the game settings and switch the toggle on left handed and rotate the **tori™ Board**. You will then have the keys on your right which is way more convenient to play!

Turn the **tori™ Board** ON by pressing the power button  for 2 sec. Because we like surprises, you will see a flashy light animation: the board is on! Let's start!

The LEDs are now turning in a blue circle on the board, which means it's the connection phase. The **tori™ Board** is looking for a device to connect to.



Turn the Bluetooth ON  on your smart device and start one of the four **tori™** games. Follow the instructions on the screen to accept the connection between the **tori™ Board** and the device.



Don't worry once your device is synchronized to the **tori™ Board** in future it will automatically connect.





LCIE

## LCIE SUD EST

Laboratoire de Moirans

Z.I. Centr'Alp

170, Rue de Chatagnon

38430 MOIRANS - FRANCE

You're almost done! Pick up the **tori™ Toy** corresponding to the game you chose and plug in the **Power Bar** to make it come to life!

The **Power Bar** owns a natural and endless energy coming from its magnetic core.

Here is how to plug it in the different **tori™ toys**.



It's easy, always plug the red on the red side and blue on the blue side.



Once you created your own **DIY Spacecraft**, you will also be able to play with it!

Place the **tori™ Toy** on the **tori™ Board** and you're ready to play! All set? Take the **tori™ Toy** in your hands and dive into the magical worlds of **tori™**!



Feel free to move and fully live the adventure, the **tori™ Board** will detect all your movements and gestures up to 25 cm/10 in.

Now you know how to use **tori™**, it's time to free your creativity and fully customize your adventure! Open the **Creative Kit** and discover how to supercharge your journey!



LCIE

**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE

## CUSTOMIZE THE GAMING UNIVERSES WITH THE CREATIVE BOOK

ENGLISH

In **Jungle Rescue** and **Supreme Builder** apps, you can customize the worlds! Feel free to express the full extent of your creativity as anything you can imagine is possible!

The customization is available once you have played a little bit, and you will soon unlock more and more elements! Here is the process to do it.



You will find a tutorial video in the **Jungle Rescue** and **Supreme Builder** apps which sums up this process!

- 1 Open the **Creative Book**
- 2 Pick up the in-game element you want to customize, for instance the one you just unlocked!
- 3 Customize it, feel free to use whatever method and style you like: markers, stickers, glitter, sand, paint, watercolor...
- 4 Open the corresponding app (**Jungle Rescue** or **Supreme Builder**) and go in the "Customize" section, select the model you customized and scan your piece of art!
- 5 Done! It's time to spot your creation in the game! Go back to the game and enjoy this customized adventure!



You can download this piece of art into your gallery and ask your parents to share it as a GIF with your family and friends if you want to!

5



**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE

**LCIE**

## 1.2. Tested System Details

### 2. SYSTEM TEST CONFIGURATION

#### 2.1. HARDWARE IDENTIFICATION (EUT AND AUXILIARIES):

##### Equipment under test (EUT):

TB1E1

Serial Number: 200230



Photography of EUT

##### Power supply:

During all the tests, EUT is supplied by  $V_{nom} 3.7Vdc$

For measurement with different voltage, it will be presented in test method.

| Name    | Type                                                                                                                             | Rating | Reference / Sn | Comments |
|---------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------|----------|
| Supply1 | <input type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Battery <input type="checkbox"/> USB | 3.7Vdc | /              | /        |
| Supply2 | <input type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> Battery <input checked="" type="checkbox"/> USB | 5Vusb  | /              | /        |

##### Voltage table used:

| Type                                                       | Measurement performed:                                             |                                                                   |
|------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------|
| <input type="checkbox"/> AC                                | <input type="checkbox"/> 120VAC/60Hz                               | <input type="checkbox"/> 240VAC/50Hz                              |
| <input type="checkbox"/> DC                                | <input type="checkbox"/> +...VDC                                   | <input type="checkbox"/> -...VDC                                  |
| <input checked="" type="checkbox"/> Battery                | <input checked="" type="checkbox"/> +3.7VDC                        | <input type="checkbox"/> -...VDC                                  |
| <input checked="" type="checkbox"/> USB (Laptop auxiliary) | <input checked="" type="checkbox"/> 120VAC/60Hz (Laptop auxiliary) | <input checked="" type="checkbox"/> 240VAC/50Hz(Laptop auxiliary) |



**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE



**Inputs/outputs - Cable:**

| Access | Type | Length used (m) | Declared <3m             | Shielded                            | Under test                          | Comments |
|--------|------|-----------------|--------------------------|-------------------------------------|-------------------------------------|----------|
| µUSB   | USB  | 1               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | /        |

**Auxiliary equipment used during test:**

| Type                  | Reference           | Sn      | Comments                                              |
|-----------------------|---------------------|---------|-------------------------------------------------------|
| Laptop                | DELL Latitude E5530 | /       | /                                                     |
| AC Adapter for Laptop | DELL LA65NS0-00     | /       | Input: AC 100-240V (1.5A)<br>Output: DC 19.5V( 3.34A) |
| Power supply AC/DC    | KEYSIGHT            | AC6802A | A7042305                                              |

**Equipment information:**

|                                 |                                                                  |                                                        |                                                                    |                                                       |
|---------------------------------|------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|
| Frequency band:                 | <input checked="" type="checkbox"/> [13.553–13.567]MHz           | <input type="checkbox"/> [125]kHz                      | <input type="checkbox"/> [ - ] MHz                                 |                                                       |
| RF mode:                        | <input type="checkbox"/> Transmitter                             | <input checked="" type="checkbox"/> Transceiver        | <input type="checkbox"/> Receiver                                  | <input type="checkbox"/> Standby                      |
| Type:                           | <input checked="" type="checkbox"/> RFID                         | <input type="checkbox"/> EAS                           | <input type="checkbox"/> Other:                                    |                                                       |
| Bandwidth:                      | <input type="checkbox"/> Narrowband<br>(ISO15693, ISO18000-3...) |                                                        | <input checked="" type="checkbox"/> Wideband<br>(ISO14443, NFC...) |                                                       |
| Product class – Annex B.2       | <input type="checkbox"/> 1                                       | <input type="checkbox"/> 2                             | <input checked="" type="checkbox"/> 3                              | <input type="checkbox"/> 4                            |
| Channelized system:             | <input checked="" type="checkbox"/> No                           | <input type="checkbox"/> Yes, channel spacing: kHz     |                                                                    |                                                       |
| Equipment intended for use as a | <input type="checkbox"/> Fixed                                   |                                                        | <input type="checkbox"/> Mobile                                    | <input checked="" type="checkbox"/> Portable          |
| Type of equipment:              | <input checked="" type="checkbox"/> Stand-alone                  |                                                        | <input type="checkbox"/> Plug-in                                   | <input type="checkbox"/> Combined                     |
| Antenna Type:                   | <input type="checkbox"/> External                                |                                                        | <input checked="" type="checkbox"/> Internal                       |                                                       |
| Antenna connector:              | <input type="checkbox"/> Permanent external                      | <input checked="" type="checkbox"/> Permanent internal | <input type="checkbox"/> None                                      | <input type="checkbox"/> Temporary (only for tests)   |
| Antenna Gain:                   | 0 dBi                                                            |                                                        |                                                                    |                                                       |
| Duty cycle:                     | <input checked="" type="checkbox"/> Continuous duty              |                                                        | <input type="checkbox"/> Intermittent duty                         | <input type="checkbox"/> Continuous operation         |
| Equipment type:                 | <input checked="" type="checkbox"/> Production model             |                                                        | <input type="checkbox"/> Prototype                                 |                                                       |
| Temperature range:              | Tmin:                                                            | <input type="checkbox"/> -20°C                         | <input checked="" type="checkbox"/> 0°C                            | <input type="checkbox"/> °C                           |
|                                 | Tnom:                                                            | 20°C                                                   |                                                                    |                                                       |
|                                 | Tmax:                                                            | <input checked="" type="checkbox"/> 35°C               | <input type="checkbox"/> 55°C                                      | <input type="checkbox"/> °C                           |
| Type of power source:           | <input type="checkbox"/> AC power supply                         |                                                        | <input type="checkbox"/> DC power supply                           | <input checked="" type="checkbox"/> Battery (Lithium) |
| Test source voltage:            | Vmin:                                                            | <input type="checkbox"/> 207V/50Hz                     |                                                                    | <input checked="" type="checkbox"/> 3.1 VDC           |
|                                 | Vnom:                                                            | <input type="checkbox"/> 230V/50Hz                     |                                                                    | <input checked="" type="checkbox"/> 3.7 VDC           |
|                                 | Vmax:                                                            | <input type="checkbox"/> 253V/50Hz                     |                                                                    | <input checked="" type="checkbox"/> 4.3 VDC           |

Nc: Not communicated



## LCIE SUD EST

Laboratoire de Moirans

Z.I. Centr'Alp

170, Rue de Chatagnon

38430 MOIRANS - FRANCE

LCIE

### Equipment information:

|                                                          |                                                                                                                                                                                            |                                                     |                                                               |                                             |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------|---------------------------------------------|
| Bluetooth LE Type:                                       | <input checked="" type="checkbox"/> BLE                                                                                                                                                    | <input type="checkbox"/> v4.1                       | <input type="checkbox"/> v4.2                                 | <input type="checkbox"/> v5.0               |
| Frequency band:                                          | [2400 – 2483.5] MHz                                                                                                                                                                        |                                                     |                                                               |                                             |
| Spectrum Modulation:                                     | <input checked="" type="checkbox"/> DSSS (Tested like it)                                                                                                                                  |                                                     |                                                               |                                             |
| Number of Channel:                                       | 40                                                                                                                                                                                         |                                                     |                                                               |                                             |
| Spacing channel:                                         | 2MHz                                                                                                                                                                                       |                                                     |                                                               |                                             |
| Channel bandwidth:                                       | <input checked="" type="checkbox"/> 1MHz                                                                                                                                                   |                                                     | <input type="checkbox"/> 2MHz                                 |                                             |
| Antenna Type:                                            | <input checked="" type="checkbox"/> Integral                                                                                                                                               | <input type="checkbox"/> External                   | <input type="checkbox"/> Dedicated                            |                                             |
| Antenna connector:                                       | <input type="checkbox"/> Yes                                                                                                                                                               | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> Temporary for test                   |                                             |
| Transmit chains:                                         | 1                                                                                                                                                                                          |                                                     |                                                               |                                             |
|                                                          | Single antenna                                                                                                                                                                             |                                                     |                                                               |                                             |
|                                                          | Gain: 1.95dBi                                                                                                                                                                              |                                                     |                                                               |                                             |
| Beam forming gain:                                       | No                                                                                                                                                                                         |                                                     |                                                               |                                             |
| Receiver chains                                          | 1                                                                                                                                                                                          |                                                     |                                                               |                                             |
| Type of equipment:                                       | <input checked="" type="checkbox"/> Stand-alone                                                                                                                                            | <input type="checkbox"/> Plug-in                    | <input type="checkbox"/> Combined                             |                                             |
| Ad-Hoc mode:                                             | <input type="checkbox"/> Yes                                                                                                                                                               |                                                     | <input checked="" type="checkbox"/> No                        |                                             |
| Adaptivity mode:                                         | <input type="checkbox"/> Yes (Load Based)                                                                                                                                                  | <input type="checkbox"/> Off mode                   | <input checked="" type="checkbox"/> No                        |                                             |
|                                                          | Clear Channel Assessment Time:                                                                                                                                                             |                                                     | Xµs                                                           |                                             |
| Duty cycle:                                              | <input checked="" type="checkbox"/> Continuous duty                                                                                                                                        | <input type="checkbox"/> Intermittent duty          | <input type="checkbox"/> 100% duty                            |                                             |
| Equipment type:                                          | <input checked="" type="checkbox"/> Production model                                                                                                                                       |                                                     | <input type="checkbox"/> Pre-production model                 |                                             |
| Operating temperature range:                             | Tmin:                                                                                                                                                                                      | <input type="checkbox"/> -20°C                      | <input checked="" type="checkbox"/> 0°C                       | <input type="checkbox"/> X°C                |
|                                                          | Tnom:                                                                                                                                                                                      | 20°C                                                |                                                               |                                             |
|                                                          | Tmax:                                                                                                                                                                                      | <input checked="" type="checkbox"/> 35°C            | <input type="checkbox"/> 55°C                                 | <input type="checkbox"/> X°C                |
| Type of power source:                                    | <input type="checkbox"/> AC power supply                                                                                                                                                   | <input checked="" type="checkbox"/> DC power supply |                                                               | <input checked="" type="checkbox"/> Battery |
| Operating voltage range:                                 | Vnom:                                                                                                                                                                                      | <input type="checkbox"/> 230V/50Hz                  | <input checked="" type="checkbox"/> 3.7Vdc                    |                                             |
| Geo-location capability:                                 | <input type="checkbox"/> Yes (The geographical location determined by the equipment is not accessible to the end user as defined in section 4.3.2.12.2 of ETSI EN 300 328 V2.1.1 standard) |                                                     | <input checked="" type="checkbox"/> No                        |                                             |
| Minimum performance criteria for Receiver blocking test: | <input checked="" type="checkbox"/> PER less than or equal to 10%                                                                                                                          |                                                     | <input type="checkbox"/> Alternative performance criteria (4) |                                             |





**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE

| CHANNEL PLAN   |                 |                 |                 |
|----------------|-----------------|-----------------|-----------------|
| Channel        | Frequency (MHz) | Channel         | Frequency (MHz) |
| <b>Cmin: 0</b> | 2402            | <b>Cmid: 20</b> | 2442            |
| 1              | 2404            | 21              | 2444            |
| 2              | 2406            | 22              | 2446            |
| 3              | 2408            | 23              | 2448            |
| 4              | 2410            | 24              | 2450            |
| 5              | 2412            | 25              | 2452            |
| 6              | 2414            | 26              | 2454            |
| 7              | 2416            | 27              | 2456            |
| 8              | 2418            | 28              | 2458            |
| 9              | 2420            | 29              | 2460            |
| 10             | 2422            | 30              | 2462            |
| 11             | 2424            | 31              | 2464            |
| 12             | 2426            | 32              | 2466            |
| 13             | 2428            | 33              | 2468            |
| 14             | 2430            | 34              | 2470            |
| 15             | 2432            | 35              | 2472            |
| 16             | 2434            | 36              | 2474            |
| 17             | 2436            | 37              | 2476            |
| 18             | 2438            | 38              | 2478            |
| 19             | 2440            | <b>Cmax: 39</b> | 2480            |

| DATA RATE        |                 |                                     |
|------------------|-----------------|-------------------------------------|
| Data Rate (Mbps) | Modulation Type | Worst Case Modulation               |
| 1                | GFSK            | <input checked="" type="checkbox"/> |
| 2                | GFSK            | <input type="checkbox"/>            |

### 1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or/and ANSI C63.10, FCC Part 15 SubPart 15C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

### 1.4. Test facility

Tests have been performed: **July 24 to 31, 2019**

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 or/and ANSI C63.10.

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55032/CISPR32 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.