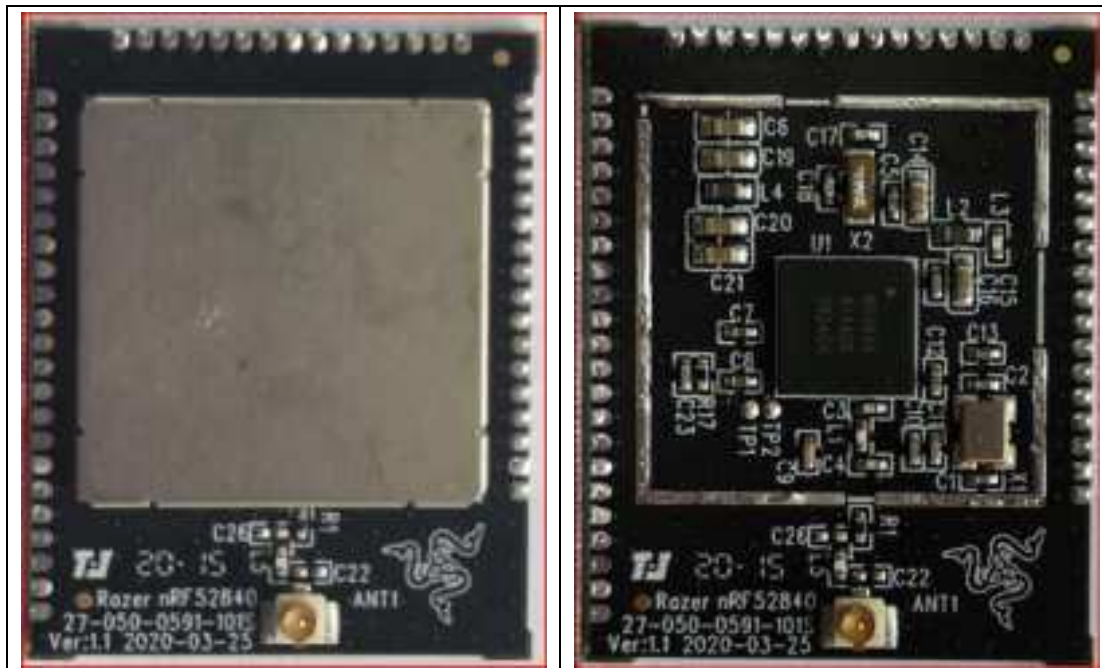


## Tech Specs for WModule

Specifications	Value
Manufacturer Name 製造商名稱	Razer Inc.
Manufacturing country (Full Address) 製造國（完整地址）	9 Pasteur, Suite 100, Irvine, CA92618, USA
Product Name 品名	WModule
Model Name 型號名稱	RC30-035302
Chipset 晶片組	nRF52840 (QIAA)
Use (Specify: PMR, Amateur, Small Boats or other) PI explain in detail the functionality 使用	2.4GHz and BLE Module
Frequency/Frequency Range/BT/Lower power/Wifi? 頻率/頻率範圍/BT/低功率/Wifi ?	2.4G/BLE - 2402MHz to 2480MHz
RF Power output (EIRP) 射頻功率輸出（EIRP）	BLE: 1Mbps 6dBm BLE: 2Mbps 6dBm 2.4GHz: 2Mbps 6dBm
Modulation 調製	GFSK
Channel Spacing: 頻道間距：	BLE:2MHz 2.4GHz:1MHz
rand of AntennaB 天線品	Walsin, RFPCA451321IMAB301
Antenna Type (Stubby Dipole): 天線類型	PCB Antenna PCB 天線
Antenna Height 天線高度	on PCB
Antenna Gain 天線增益	4.75dBi(max.)

Product Picture 產品圖片



## FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference,
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution!

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## FCC Radiation Exposure Statement:

The modular can be installed or integrated in mobile, portable or fix devices.

This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: RWO-RC30035302 or Contains FCC ID: RWO-RC30035302".

The devices must be installed and used in strict accordance with the manufacturer's instructions

as described in the user documentation that comes with the product.

When the module is installed inside another device, the user manual of this device must contain below warning statements:

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference.
  - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **Canada Statement**

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) this device may not cause interference,
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le

brouillage est susceptible d'en compromettre le fonctionnement.

## **Caution Exposure:**

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS102 and users can obtain Canadian information on RF exposure and compliance.

Le dispositif répond à l'exemption des limites d'évaluation de routine dans la section 2.5 de RSS102 et les utilisateurs peuvent obtenir des renseignements canadiens sur l'exposition aux RF et le respect.

### **The final end product must be labelled in a visible area with the following:**

The Industry Canada certification label of a module shall be clearly visible at all times when installed in the host device, otherwise the host device must be labelled to display the Industry Canada certification number of the module, preceded by the words "Contains transmitter module", or the word "Contains", or similar wording expressing the same meaning, as follows:

Contains transmitter module IC: 8092D-RC30035302

The module must be installed in WModule.

The end user manual shall include all required regulatory information/warning as show in this manual.

### **RF Specification**

RC30-035302 Module contains an integrated balun which provides a single-ended RF TX / RX IPEX connector. The transmitter has been optimised to deliver power in to a 50Ω load.

And then,the RC30-035302 RF Spec base on N52840 DataSheet.

Bluetooth Transmitter

### **Manual Information to the End User**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.