

# RTH WLAN Module

RTH WLAN Module is based on the TI WL1837MODCOM8I Wi-Fi® dual-band module. This module offers high throughput and extended range for power-sensitive designs. The module is used in a measurement device with a Linux-based operating system.

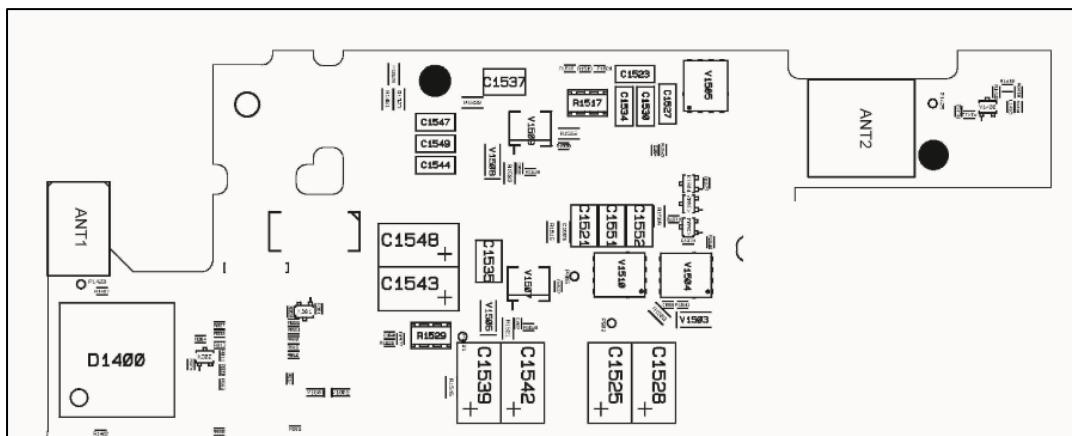


Figure 1 RTH WLAN Module with chip antennas

## 1 Key Features and Key Specifications

- Small form factor WLAN module for measurement device
- WLAN 2.4 GHz (20- and 40 MHz channels)
- 2.4 GHz MIMO (20-MHz channels)
- SDIO interface (25 MHz clock rate)
- 3.3 V and 1.8 V supply voltages
- Direct connection to ARM-based processor platform
- Multilayer Chip Antenna ANT016008LCD2442MA1
- U.FL RF connectors for debugging

## 2 Regulatory Information

### 2.1 Regulatory Information

#### **Part 15 of the FCC and RSS-210 of IC Rules**

This device complies with Part 15 of the FCC Rules and with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

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:

- l'appareil ne doit pas produire de brouillage, et
- l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications made to this equipment not expressly approved by Rohde & Schwarz may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference

in which case the user will be required to correct the interference at his own expense.