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Cap. Soc. € 1.048.343,74
Reg. Imprese n. 4196 Arezzo
REA n. 70645
Meccanografico AR007079
Iscr. Reg. Pile e Accumulatori n. IT20080P00006356

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USER MANUAL

FCC ID: 2ALZBLBE616

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Design



Manufacturing



Systems



IoT

Guide for FCC modular approval of LBE616

Model Name: **LBE616**

FCC ID: **2ALZBLBE616**

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, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: Since this module is not sold to general end users directly, there is no user manual of module.

Note2: For the details about this module, please refer to the specification sheet of module.

Note3: This module should be installed in the host device according to the interface specification (installation procedure).



The following information must be indicated on the host device of this module

Contains FCC ID: **2ALZBLBE616**

Or

Contains Transmitter Module FCC ID: **2ALZBLBE616**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: This device maynot cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



The following statements must be described on the user manual of the host device of this module

FCC CAUTION

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

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit

Frequency Tolerance: ± 20 ppm

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.



When installing it in a mobile equipment. Please describe the following warning to the manual.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

When installing it in a portable equipment. Please describe the following warning to the manual.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. 2ALZBLBE616 has been tested and found to comply with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines.

Note: It is necessary to take a SAR test with your set mounting this module (except to use only Bluetooth V4.2(BDR/EDR/LE)) a Class II permissive change application is necessary using the SAR report.





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Reference antenna

Antenna Manufacturer: Dynaflex S.r.l.

Antenna P/N: 616 SE 400 IPX4

Antenna Type: HIGH EFFICIENCY PCB DIPOLE ANTENNA

Note: Information about antenna are not mandatory to be described in the Manual

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