

RF EXPOSURE ANALYSIS

<u>Product</u>	<u>FCC ID</u>	<u>IC number</u>
Bluetooth dongle	QOQBLED112	5123A-BGTBLED112

BLED112, Bluetooth low energy USB Dongle is a single mode USB device enabling Bluetooth low energy connectivity for PC's and other devices having a USB port. BLED112 Bluetooth Dongle integrates all Bluetooth 4.0 single mode features. The USB dongle can simulate standard USB device, virtual COM port or USB HID device. The HID can be used for accessories like keyboards and mice, because no driver is needed. The COM port emulation enables simple host application development using a simple application programming interface.

Analysis for FCC

The equipment transmits in the 2402 – 2480 MHz frequency range and therefore the applicable threshold is calculated as stated in FCC document KDB 447498 by using the formula $\frac{60}{f}$ (where f is a highest frequency in used) $\frac{60}{2.48} = 24.19mW$

Output power considerations:

Max. E.I.R.P value: 0.45 dBm = 1.11 mW
(Value is taken from the test report number: 264152-10. Value contains conducted output power and antenna gain.)

Analysis for FCC

Since the Max. E.I.R.P value is below the 24.19mW product fulfils FCC requirements without further testing.

Analysis for IC

According to standard RSS-102 RF exposure analysis is required for devices operating above 1.5 GHz if the maximum E.I.R.P. of the device is 5.0 W or more. Therefore RF exposure analysis is not required for this device.

Result:

Equipment complies with the requirements of FCC and IC to RF exposure