



# CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel: +86-755- 27521059 Fax: +86-755- 27521011 Http://www.sz-ctc.com.cn

## RF Exposure Evaluation

FCC ID: 2AMDBBLE002

### EUT Specification

EUT	Bluetooth Module
Frequency band (Operating)	<input checked="" type="checkbox"/> BLE: 2402MHz ~ 2480MHz
Device category	<input type="checkbox"/> Portable ( $\leq 5$ mm separation) <input type="checkbox"/> Mobile ( $\leq 5$ mm separation) <input checked="" type="checkbox"/> Fixed ( $\leq 5$ mm separation) <input type="checkbox"/> Others
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Max. output power.	-4.05dBm
Antenna gain (Max)	0dBi
Evaluation applied	<input checked="" type="checkbox"/> RF Exposure Evaluation <input type="checkbox"/> SAR Evaluation

### Limits for RF Exposure Evaluation

FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

(1) Clause 4.3: General SAR test reduction and exclusion guidance Sub clause 4.31: Standalone SAR test exclusion considerations The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance  $\leq 5$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] * \sqrt{f(\text{GHz})} \leq 3.0$  for 1-g SAR.

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] * \sqrt{f(\text{GHz})} \leq 7.5.0$  for 10-g SAR.

Shenzhen General Testing & Inspection Technology Co., Ltd.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cncaic.cn](http://yz.cncaic.cn)



**Measurement Result**

Frequency (GHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Max power of tune up tolerance (mW)	Calculation Value	Threshold Value
2402	-4.05	$-4.05 \pm 1$	-3.05	0.50	0.15	3.0
2442	-4.86	$-4.86 \pm 1$	-3.86	0.41	0.13	3.0
2480	-4.73	$-4.73 \pm 1$	-3.73	0.42	0.13	3.0

**Note**

For a more detailed features description, please refer to the RF Test Report.

\*\*\*\*\*THE END\*\*\*\*\*