

## 8 CONDUCTED RF OUPUT POWER

|       |                        |
|-------|------------------------|
| 8.1   | Bluetooth              |
| 8.1.1 | Bluetooth Output Power |
| 8.1.2 | Bluetooth Duty Cycle   |

## 8.1 Bluetooth

### 8.1.1 Bluetooth Output Power

| Bluetooth                                                                                                                                                                                                                                              |            |                |                |                         |                |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------------|-------------------------|----------------|----------|
| Test Mode                                                                                                                                                                                                                                              | Modulation | Channel number | Frequency(MHz) | Output Peak Power (dBm) | Tune up (dBm)) | SAR Test |
| BT                                                                                                                                                                                                                                                     | BLE1M      | 0              | 2402           | 7.24                    | 8.00           | Yes      |
|                                                                                                                                                                                                                                                        |            | 19             | 2440           | 7.58                    | 8.00           | Yes      |
|                                                                                                                                                                                                                                                        |            | 39             | 2480           | 7.74                    | 8.00           | Yes      |
|                                                                                                                                                                                                                                                        | BLE2M      | 0              | 2402           | 7.30                    | 8.00           | No       |
|                                                                                                                                                                                                                                                        |            | 19             | 2440           | 7.56                    | 8.00           | No       |
|                                                                                                                                                                                                                                                        |            | 39             | 2480           | 7.72                    | 8.00           | No       |
| Note: Since BLE1M mode is the maximum output power mode, SAR measurements were performed with test software using BLE1M modulation, and SAR measurement is not required for the BLE2M. When the secondary mode is ≤ ¼ dB higher than the primary mode. |            |                |                |                         |                |          |

## 8.1.2 Bluetooth Duty Cycle

The Bluetooth BLE-1M duty cycle is 100% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

