

**8 CONDUCTED RF OUPUT POWER**

|       |                            |
|-------|----------------------------|
| 8.1   | 2.4G ISM Band Output Power |
| 8.2   | Bluetooth                  |
| 8.2.1 | Bluetooth Output Power     |
| 8.2.2 | Bluetooth Duty Cycle       |

8.1 2.4G ISM Band Output Power

| test Mode     | Modulation | Fre.(MHz) | output power(dBm) | tune up power(dBm) | SAR Test |
|---------------|------------|-----------|-------------------|--------------------|----------|
| 2.4G ISM Band | 250Kbps    | 2405      | 8.39              | 9.00               | No       |
|               |            | 2440      | 9.71              | 10.50              | No       |
|               |            | 2475      | <b>10.34</b>      | 10.50              | Yes      |
|               | 1Mbps      | 2405      | 8.37              | 9.00               | No       |
|               |            | 2440      | 9.67              | 10.50              | No       |
|               |            | 2475      | 10.32             | 10.50              | No       |

## 8.3 Bluetooth

### 8.3.1 Bluetooth Output Power

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| test Mode | Modulation | Fre.(MHz) | AV output power(dBm) | Tune up power(dBm) | SAR Test |
|-----------|------------|-----------|----------------------|--------------------|----------|
| BT        | DH5        | 2402      | 6.18                 | 7.50               | No       |
|           |            | 2441      | <b>6.44</b>          | 7.50               | Yes      |
|           |            | 2480      | 6.40                 | 7.50               | No       |
|           | 2DH5       | 2402      | 5.75                 | 6.50               | No       |
|           |            | 2441      | 6.00                 | 6.50               | No       |
|           |            | 2480      | 5.93                 | 6.50               | No       |
|           | 3DH5       | 2402      | 5.73                 | 6.00               | No       |
|           |            | 2441      | 5.95                 | 6.00               | No       |
|           |            | 2480      | 5.92                 | 6.00               | No       |
|           | BLE1M      | 2402      | 2.51                 | 3.00               | Yes      |
|           |            | 2440      | 2.49                 | 3.00               | No       |
|           |            | 2480      | 2.41                 | 3.00               | No       |
|           | BLE2M      | 2404      | 2.48                 | 3.00               | No       |
|           |            | 2440      | 2.44                 | 3.00               | No       |
|           |            | 2478      | 2.42                 | 3.00               | No       |

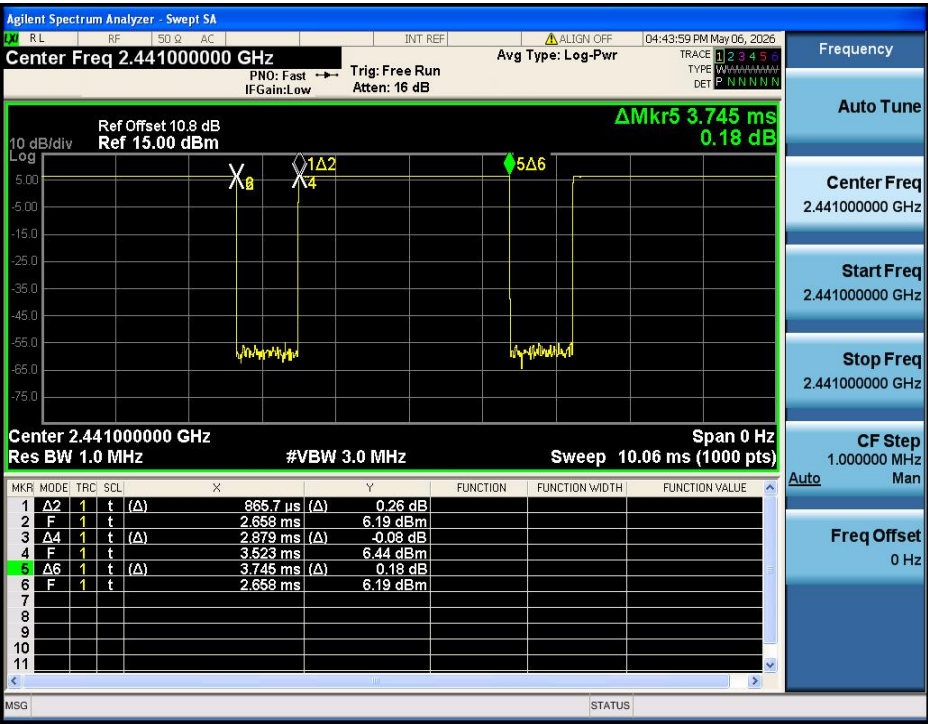
Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation,and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.

### 8.3.2 Bluetooth Duty Cycle

#### ANT2

The Bluetooth-DH5 duty cycle is 76.88% 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



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The Bluetooth-BLE 1M duty cycle is 61.74% 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

