

Standalone SAR test exclusion considerations(Bluetooth_Module 0)

dBm

10.00

August 24, 2017

```
- Max. transmitting frequency = 2480 MHz
- Max. test separation distance = 30 mm

Max. power with turn-up tolerance = 10.00 dBm

Measured Average Power: 8.91 dBm

Maximum antenna peak gain: 0.300 dBi
```

Maximum output power for the calculation:

EIRP

SAR test exclusion EIRP for 2450MHz at separationn distances of 30 mm: 83 mW

```
= 10.00 dBm + 0.300 dBi

= 10.300 dBm = 10.716 mW ≤ 83 mW (Exemption Limits(mW))

* Note : P = Power input to the antenna(dBm)

G = Power gain of the antenna(dBi)
```



Standalone SAR test exclusion considerations(Bluetooth_LE_Module 0)

dBm

3.00

August 24, 2017

```
- Max. transmitting frequency =
                                   2480
                                            MHz
- Max. test separation distance =
                                      30
                                           mm
               Max. power with turn-up tolerance =
                                                          3.00
                                                                dBm
                          Measured Average Power:
                                                         1.98
                                                                dBm
                       Maximum antenna peak gain:
                                                        0.300 dBi
             Maximum output power for the calculation:
```

G

EIRP

SAR test exclusion EIRP for 2450MHz at separationn distances of 30 mm: 83 mW

```
3.00
           dBm
                    0.300
                           dBi
                      2.138
                                    ≤ 83 mW (Exemption Limits(mW))
    3.300
         dBm =
* Note: P = Power input to the antenna(dBm)
         G = Power gain of the antenna(dBi)
```



Standalone SAR test exclusion considerations(Bluetooth_Module 1)

dBm

18.00

August 24, 2017

```
- Max. transmitting frequency = 2480 MHz
- Max. test separation distance = 30 mm

Max. power with turn-up tolerance = 18.00 dBm

Measured Average Power: 17.11 dBm

Maximum antenna peak gain: dBi
```

Maximum output power for the calculation:

EIRP

SAR test exclusion EIRP for 2450MHz at separationn distances of 30 mm : 83 mW

```
= 18.00 dBm + 1.00 dBi

= 19.00 dBm = 79.433 mW ≤ 83 mW (Exemption Limits(mW))

* Note: P = Power input to the antenna(dBm)

G = Power gain of the antenna(dBi)
```



Standalone SAR test exclusion considerations(Bluetooth_LE_Module 1)

dBm

3.00

August 24, 2017

```
- Max. transmitting frequency = 2480 MHz
- Max. test separation distance = 30 mm

Max. power with turn-up tolerance = 3.00 dBm

Measured Average Power: 2.21 dBm

Maximum antenna peak gain: 1.000 dBi
```

Maximum output power for the calculation:

G

EIRP

SAR test exclusion EIRP for 2450MHz at separationn distances of 30 mm: 83 mW

```
= 3.00 dBm + 1.00 dBi

= 4.00 dBm = 2.512 mW ≤ 83 mW (Exemption Limits(mW))

* Note: P = Power input to the antenna(dBm)

G = Power gain of the antenna(dBi)
```