

# RF Exposure Evaluation Report

## 1 RF EXPOSURE

Product Name:	Wireless USB Dongle
Model No:	HT-WR818,HT-WR1200F,HT-WR1200E,HT-WR812,HT-WR813, HT-WR701,HTWR70E,HT-WR818,HT-WR818N, HT-WR818E, HT-WR701F, HT-WR810AC, HT-WR810AF, HT-WR821AC, HT-WR822AC,HT-WR820E,HT-WR150F,HT-WR300F,HT-WR600F
FCC ID:	2BCOI-HT-WR818

## 1.1 LIMITS

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

[ $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})$ ] · [ $\sqrt{f(\text{GHz})}$ ]  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

<sup>17</sup> Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusions.

## 1.2 EUT RF EXPOSURE EVALUATION

Operational Mode: 802.11b						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	Maximum tune-up Power (mW)	Calculated value	Exclusion threshold
2462MHz	4.45	±1	5.45	3.508	1.101	3