RF exposure evaluation

The RF exposure evaluation was calculated as below：

1) For BT3.0+EDR: The maximum output power for antenna is 6.21dBm (4.18mW) at 2441MHz.
   For BT4.0: The maximum output power for antenna is 4.39dBm (2.75mW) at 2441MHz.
2) For Bluetooth device or fixed location transmitters, no SAR consideration applied.
3) Per KDB 447498 D01v05r02, the 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- When the minimum test separation distance is < 5 mm, a distance of 5 mm according is applied to determine SAR test exclusion.

For BT3.0+EDR:

- The result is rounded to one decimal place for comparison

Channel	Frequency (GHz)	Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 39	2.441	6.21	4.18	5	1.31	3.0

For BT4.0:

- The result is rounded to one decimal place for comparison

Channel	Frequency (GHz)	Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 39	2.441	4.39	2.75	5	0.86	3.0

- Base on the calculation value, so SAR test evaluation is not required.
- The public is not exposed to radio frequency energy level in excess of the Commission’s guideline.