

## RF exposure evaluation

The RF exposure evaluation was calculated as below:

- 1) The target output power for antenna is 0dBm (1mW) at 2480MHz.
- 2) The least test separation distance of is 9mm according to measure.
- 3) 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  $\leq 50$  mm are determined by:

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

- $f(\text{GHz})$  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.
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- 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 78   | 2.48            | 0           | 1               | 9                  | 0.175  | 3.0                              |

- Base on the calculation value, the RF exposure evaluation is not required.
- The public is not exposed to radio frequency energy level in excess of the Commission's guideline.