

December 11, 2014

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FCC ID: ACJ-RP-BTD5

To whom it may concern,

We, UL Japan, Inc, hereby declare that Digital Wireless Stereo Headphones, model: RP-BTD5 (FCC ID: ACJ-RP-BTD5) of Panasonic Corporation is exempt from RF exposure SAR evaluation as its output power meets the exclusion limits stated in KDB 447498D01(V05).

KDB 447498D01(V05) has the following exclusion for portable devices:

The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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 ≤ 7.5 for 10-g extremity 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

• The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 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 exclusion.

This device has $f = 2.48$ GHz and distance = 5 mm (minimum separation distance: 5mm was used in the calculation) and the maximum tune-up tolerance limit was 3 mW (This was gained from Max. Output Power in Product Specification of RP-BTD5 (2.5mW) and rounded off to the first decimal place.)

So for this device:

$3 \text{ mW}[\text{maximum tune-up tolerance limit}]/5 \text{ mm}[\text{minimum separation distance}] \cdot \sqrt{2.48} = 0.9$

*This is less than 3.0, so no SAR is required.

Thank you for your attention to this matter.



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