

## Thermal modeling of hybrid three-dimensional integrated, ring-based silicon photonic–electronic transceivers (Erratum)

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This article [*J. Opt. Microsystems* 4(1), 011004 (2023) doi [10.1117/1.JOM.4.1.011004](https://doi.org/10.1117/1.JOM.4.1.011004)] was originally published on 6 December 2023, with erroneous values in Table 2, as shown below. The UCUT values of Simulation (pm/mW) and Difference (%) were incorrect.

**Table 2** Ring modulator heater efficiency from experiments (pm/mW) and simulations (equivalent model) (K/mW). The value between brackets is obtained by the geometric model.

|                    | No UCUT |          | UCUT   |             |
|--------------------|---------|----------|--------|-------------|
|                    | No EIC  | With EIC | No EIC | With EIC    |
| Experiment (pm/mW) | 165     | 131      | 312    | 180         |
| Simulation (K/mW)  | 3.07    | 2.14     | 5.44   | 2.86 (3.08) |
| Simulation (pm/mW) | 192     | 134      | 182    | 340         |
| Difference (%)     | 16.3    | 2.10     | 1.04   | 13.3        |

The table was corrected on 11 March 2024. The corrected table is shown below.

**Table 2** Ring modulator heater efficiency from experiments (pm/mW) and simulations (equivalent model) (K/mW). The value between brackets is obtained by the geometric model.

|                    | No UCUT |          | UCUT   |             |
|--------------------|---------|----------|--------|-------------|
|                    | No EIC  | With EIC | No EIC | With EIC    |
| Experiment (pm/mW) | 165     | 131      | 312    | 180         |
| Simulation (K/mW)  | 3.07    | 2.14     | 5.44   | 2.86 (3.08) |
| Simulation (pm/mW) | 192     | 134      | 340    | 179         |
| Difference (%)     | 16.3    | 2.10     | 8.97   | 0.55        |