Erratum: Compact High- T_c Superconducting Terahertz emitter operating up to 86 K [Phys. Rev. Applied 10, 024041 (2018)]

Hancong Sun,¹ Raphael Wieland,² Zuyu Xu,¹ Zaidong Qi,¹ Yangyang Lv,¹ Ya Huang,¹ Huili Zhang,¹ Xianjing Zhou,¹ Jun Li,¹ Yonglei Wang,¹ Fabian Rudau,² Johannes S. Hampp,² Dieter Koelle,² Shigeyuki Ishida,³ Hiroshi Eisaki,³ Yoshiyuki Yoshida,³ Biaobing Jin,¹ Valery P. Koshelets,⁴ Reinhold Kleiner,² Huabing Wang^{1,*} and Peiheng Wu¹

¹Research Institute of Superconductor Electronics, Nanjing University, Nanjing 210023, China

²Physikalisches Institut and Center for Quantum Science in LISA⁺, Universität Tübingen, 72076 Tübingen, Germany

³Electronics and Photonics Research Institute, Advanced Industrial Science and Technology, Tsukuba 3058568, Japan

⁴Kotel'nikov Institute of Radio Engineering and Electronics, Moscow 125009, Russia

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The terahertz (THz) emission peaks observed experimentally in Fig. 4 were tentatively assigned to resonant modes using the relation $f_r = (c_1/2W)(n^2 + m^2)^{1/2}$. Here, f_r is the resonance frequency, $c_1 \approx 7 \times 10^7$ m/s is the in-phase mode velocity and $W = 200 \mu\text{m}$ is the width of the square junction, n and m are integers.

However, due to a numerical error where a factor of 2 was missing, the calculated values of f_r were too low and consequently the assigned values of n and m were incorrect.

The sentence “Indeed, the emission peaks observed near 0.5 THz in Fig. 4(b) could match the TM(1,1) mode predicted in Ref. [63] (0.51 THz), and the peak near 0.75 THz could match the degenerate TM(0, 2) and TM(2, 0) cavity resonance modes (0.71 THz).” should be replaced by:

“Indeed, the emission peaks observed near 0.5 THz in Fig. 4(a) could match the TM(2,2) mode predicted in Ref. [63] (0.50 THz), and the peak near 0.75 THz could match the TM(3, 3) cavity resonance mode (0.74 THz).”

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*hbwang@nju.edu.cn