

Corrections to “Single-Transistor Impedance Matching Circuit for Over-Hundred-Octave Active Antennas”

Shuyu Wang^{ID} and Yue Li^{ID}

IN THE above article [1], we identified an incorrect use of the term “octave.” We would like to correct this terminology error.

The proposed active antenna in the article covers a bandwidth from 10 MHz to 1.9 GHz, corresponding to a frequency ratio of 190. However, the article inaccurately referred to this as a “190-octave” bandwidth. We have since confirmed that the term “octave” refers to a doubling of frequency. Thus, the correct description for this bandwidth should be $\log_2(190) \approx 7.57$ octaves, rather than “190 octaves.”

To rectify this, we have replaced the term “octave” with “frequency ratio” in the title and throughout the main text in the article to accurately reflect the intended meaning.

REFERENCES

- [1] S. Wang and Y. Li, “Single-transistor impedance matching circuit for over-hundred-octave active antennas,” *IEEE Trans. Antennas Propag.*, vol. 72, no. 3, pp. 2391–2398, Mar. 2024.

Received 14 November 2024; accepted 15 November 2024. Date of current version 17 January 2025. This work was supported in part by the National Natural Science Foundation of China under Grant U22B2016 and in part by the National Key Research and Development Program of China under Grant 2021YFA0716601. (*Corresponding author: Yue Li.*)

The authors are with the Department of Electronic Engineering and the Beijing National Research Center for Information Science and Technology, Tsinghua University, Beijing 100084, China (e-mail: lyee@tsinghua.edu.cn).

Digital Object Identifier 10.1109/TAP.2024.3504004