



**Corrigendum Notice: A corrigendum has been issued for this article and is included at the end of this document.**

*Post-Publication Notice*

**Corrigendum to “A. Karimov, “Harnessing ultrawideband technology for enhanced communication and radar detection”, tbusphys, vol. 2, no. 1, p. 0009, Mar. 2025. doi: 10.54355/tbusphys/2.1.2024.0009”**

In the originally published version of this article, the Methods section lacked sufficient detail on the experimental setup, component sourcing, measurement equipment, and statistical treatment of results. The following corrections have been made:

1. Section 2 (Methods):

- The updated text specifies component manufacturers (ON Semiconductor, MACOM Technology Solutions, Vishay, Murata), and includes details on the use of Tektronix DPO 2024B oscilloscope, GW Instek waveform generator, and Regatron HPS high-voltage supply.

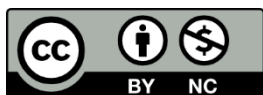
- Information about repeated measurements, environmental conditions, and data consistency checks has been added.

- Statistical analysis procedures, including regression analysis, standard deviation, confidence intervals (95%), uncertainty propagation, and outlier detection (Grubbs' test,  $\alpha = 0.05$ ), are now described.

2. Minor editorial corrections were made to clarify the description of the pulse generation process and reproducibility of results.

These corrections do not alter the findings or conclusions of the article but improve methodological transparency and reliability.

*Published: 15.04.2024*



**Copyright:** © 2024 by the authors. Licensee Technobius, LLP, Astana, Republic of Kazakhstan. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY-NC 4.0) license (<https://creativecommons.org/licenses/by-nc/4.0/>).