

Dear Chen Guangyuan,

Thank you very much for your precious time to spend on our manuscript. Your comments are all valuable and very helpful for revising and improving our paper. Based on your comments, we have checked the manuscript carefully and made necessary revisions accordingly. We herewith provide our revisions as below:

(1) According to your suggestion, the word “float” has been replaced by “buoy”, and relevant modifications have been made to Figure 1.

(2) Based on your suggestion, we have added the explanation to the abbreviation “SoPC” in the manuscript.

(3) We are aware that the value sampled close to the center of each data bit will be the most representative of the data bit’s true value. The receiver detected the signal at a speed that was 16 times that of the data transmission baud rate, and the seventh, eighth, and ninth sampling values were recorded near the center of the bit. In our research, we have tested the use of 5 and 9 sampling points and found that the resulting measurement efficacies were the same as having only 3 sampling points. As the selection and judgment of the data bits were performed within the program, the time taken by the program for judgment increases with the number of selected sampling points, which decreases the efficiency of data transmission. Hence, we found the selection of 3 sampling points to be more appropriate for our purposes.

(4) According to your suggestion, the BER of data has been added in the part of conclusion.