However, the authors can think of improving the works in the following aspects:

(1) Showing some more results on the gains (improvements)

(2) Showing or commenting on the processing overhead involved

(3) Showing or commenting on the additional storage requirements needed

We thank for your positive comments and advices on our manuscript.

Except for the 2.5MHz sinusoidal signal and the 400kHz triangular signal, the output of the 2.5MHz, 1MHz, 500kHz, 250kHz sinusoidal signal and the 400kHz, 200kHz triangular wave signal is shown in Figure 10. In Figure 10(a), the output of the Rogowski coil is cosine, and there is a phase difference of 90° from the input; the output of the Rogowski coil in Figure 10(b) It is a rectangular wave, both of which verify the differential operation of the Rogowski coil.

(a) 2.5MHz, 1MHz, 500kHz, 250kHz sinusoidal and Rogowski coil output
(b) 400 kHz, 200 kHz triangular wave and Rogowski coil output

Fig. 10 Roche coil differential relationship verification