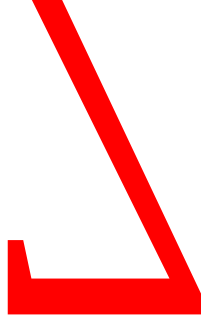
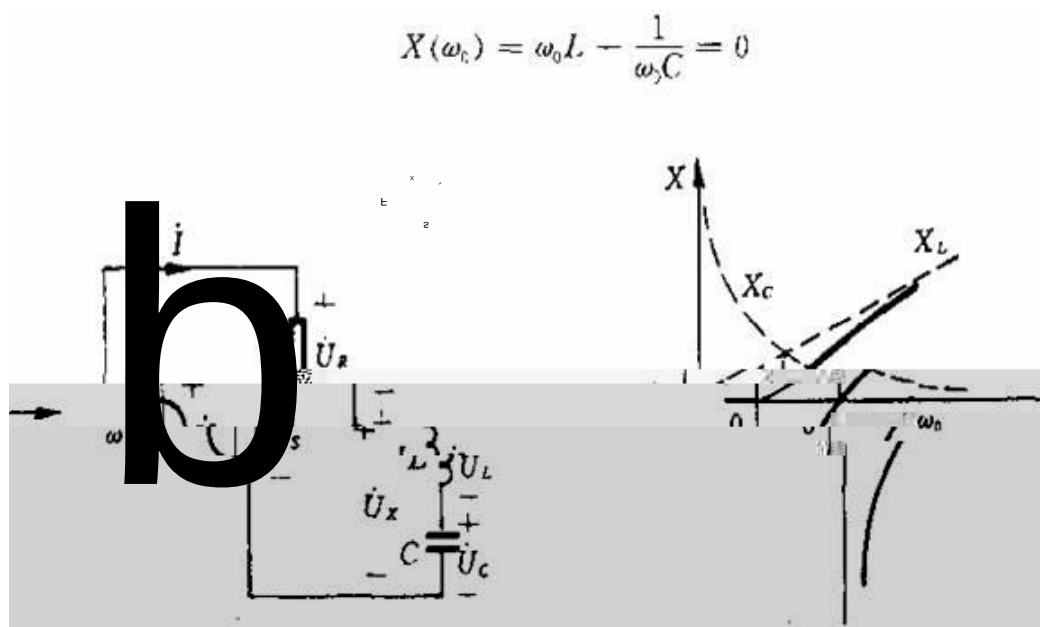




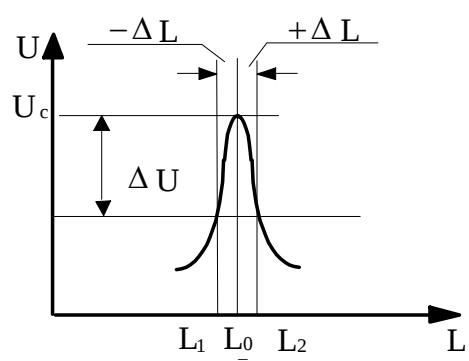
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$$Z = R + j\left(\omega L - \frac{1}{\omega C}\right) = R + j(X_L - X_C) = R + jX$$



$$\dot{U}_J = \dot{I}_X R + j \dot{I} (X_C - X_L) \quad 1$$



$$f = \frac{1}{2 \pi \sqrt{L_0 C_X}} = \quad , L_0 = \frac{1}{(2 \pi f)^2 C_X} \quad 2$$

$$I_X = \frac{U_J}{R} \quad 3$$

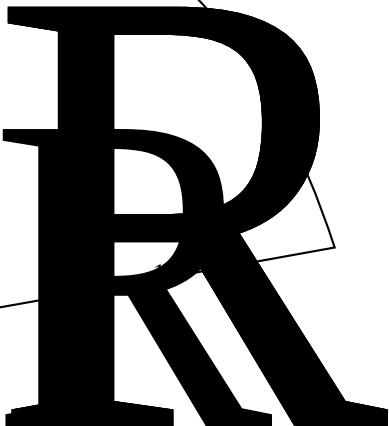
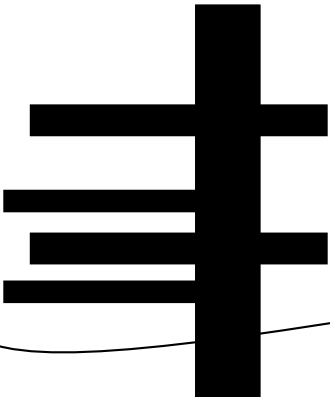
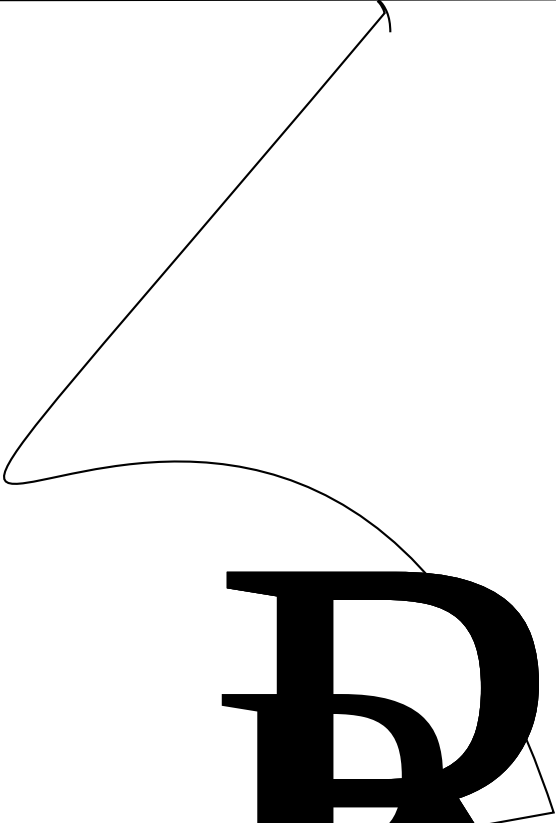
$$U_C = I_X X_{CX} \quad 4$$

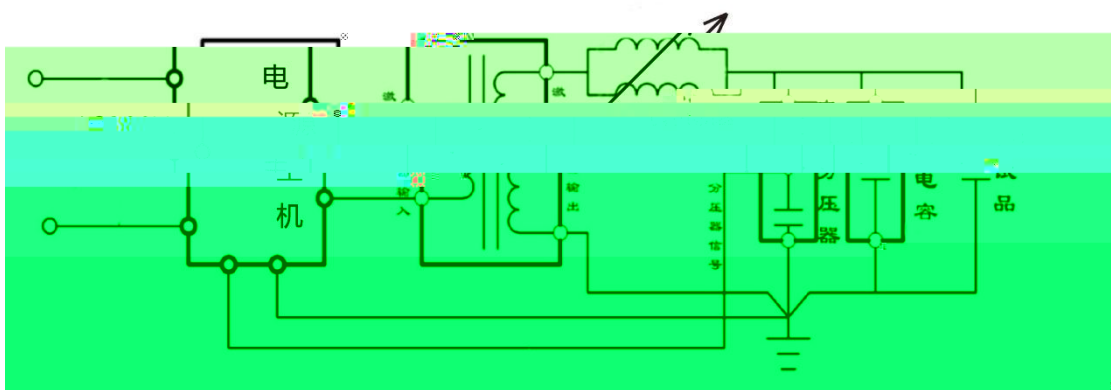
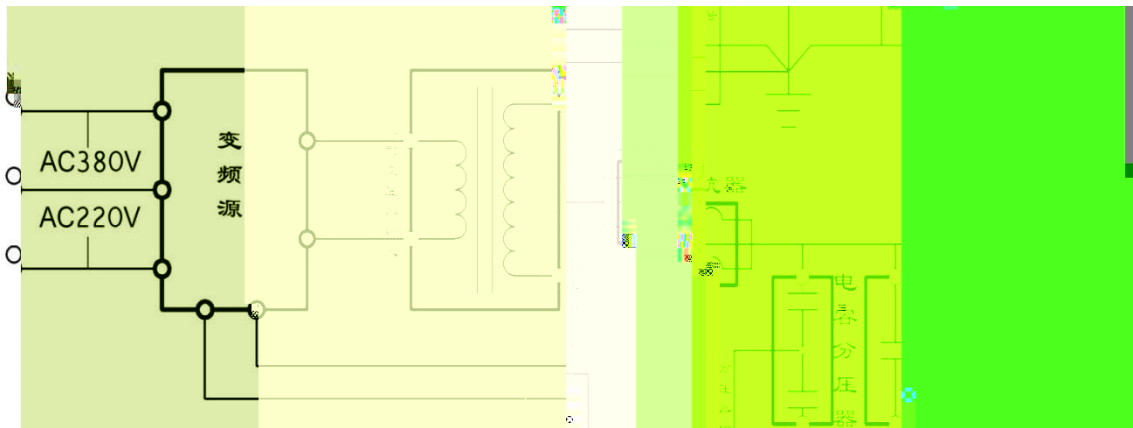
$$Q = \frac{S_{CX}}{P_J} = \frac{I_X^2 X_{CX}}{I_X^2 R} = \frac{U_C}{U_J} \quad 5$$

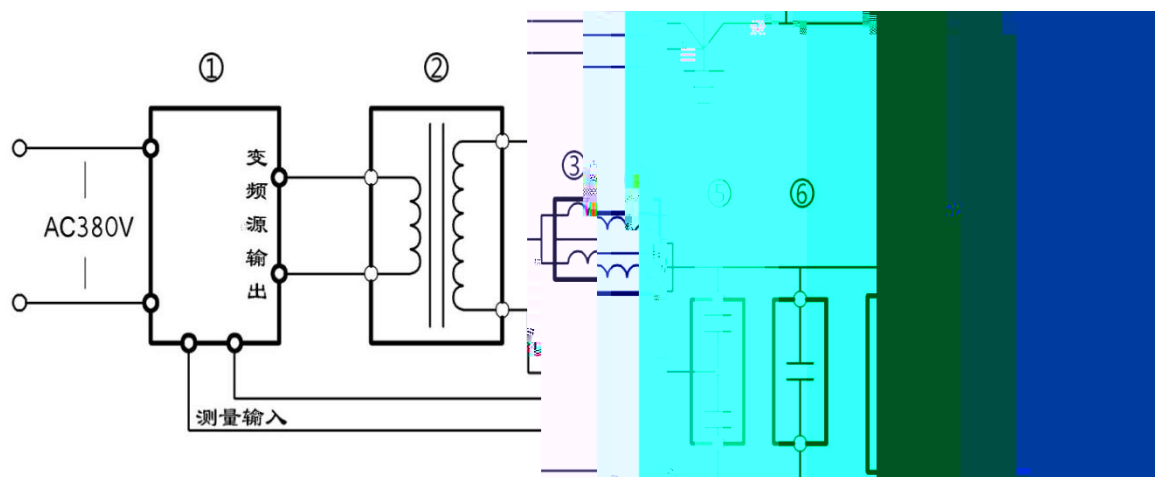
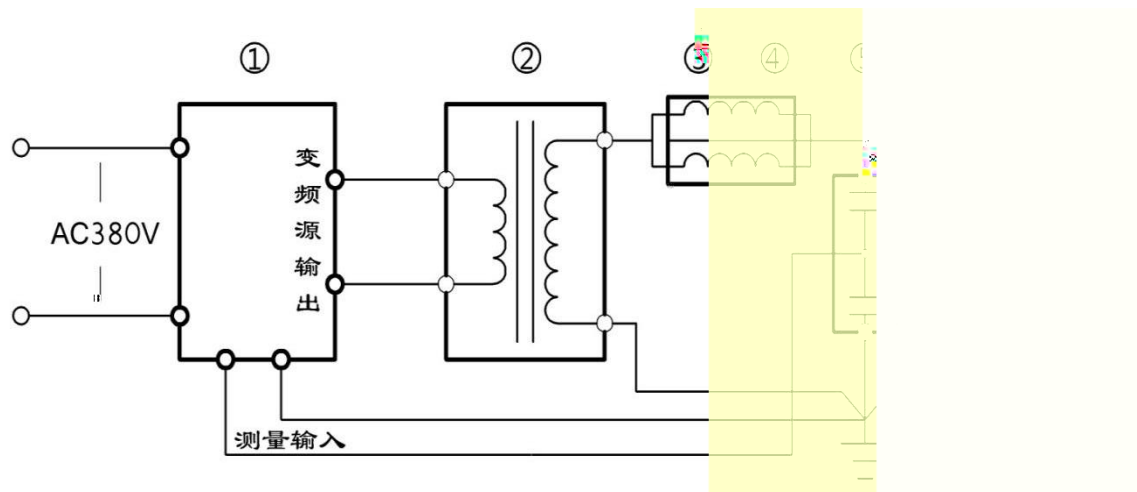
$$\frac{I_K}{I_X} = \frac{R}{R + jX_L} < \frac{1}{Q} \quad 6$$

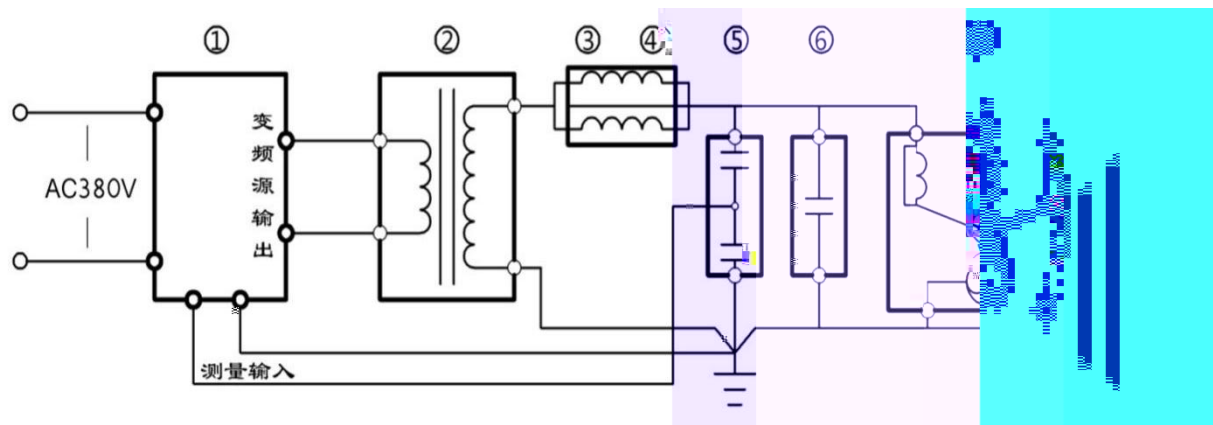
$$Z(\omega_0) = R$$

$$\rho = \omega_0 L \left(= \frac{1}{\omega_0 C} \right)$$











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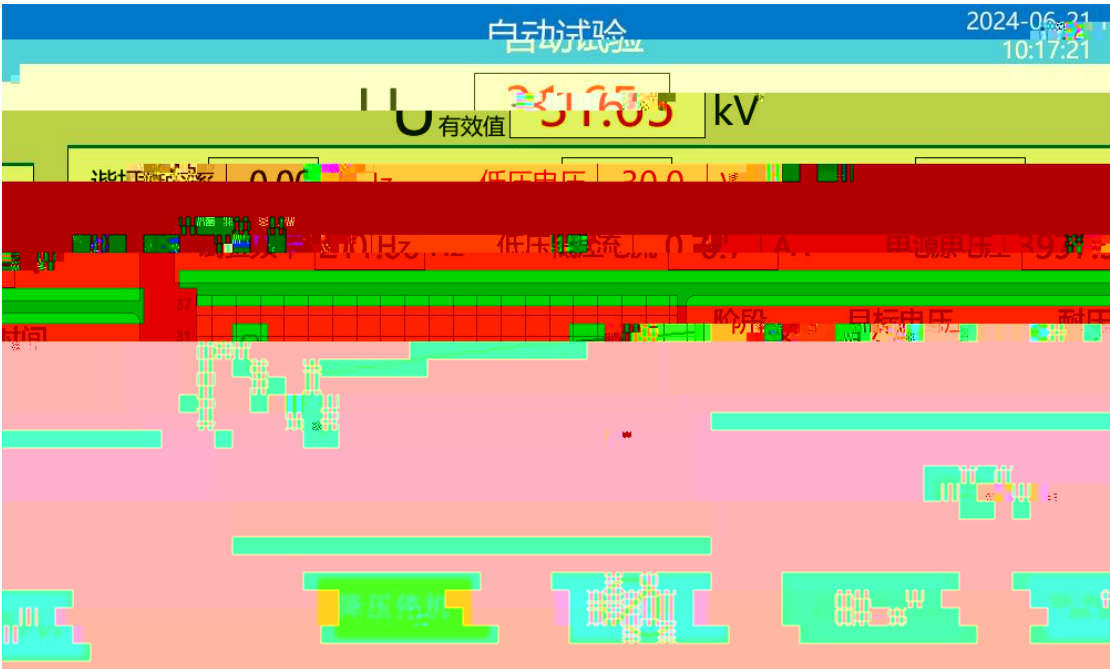
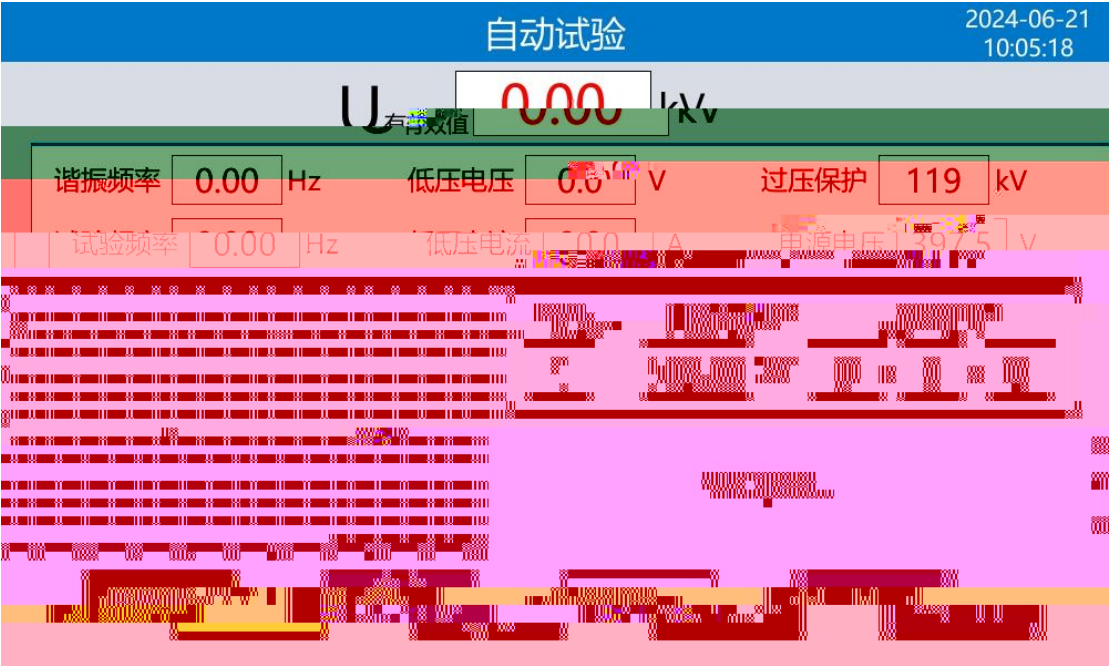
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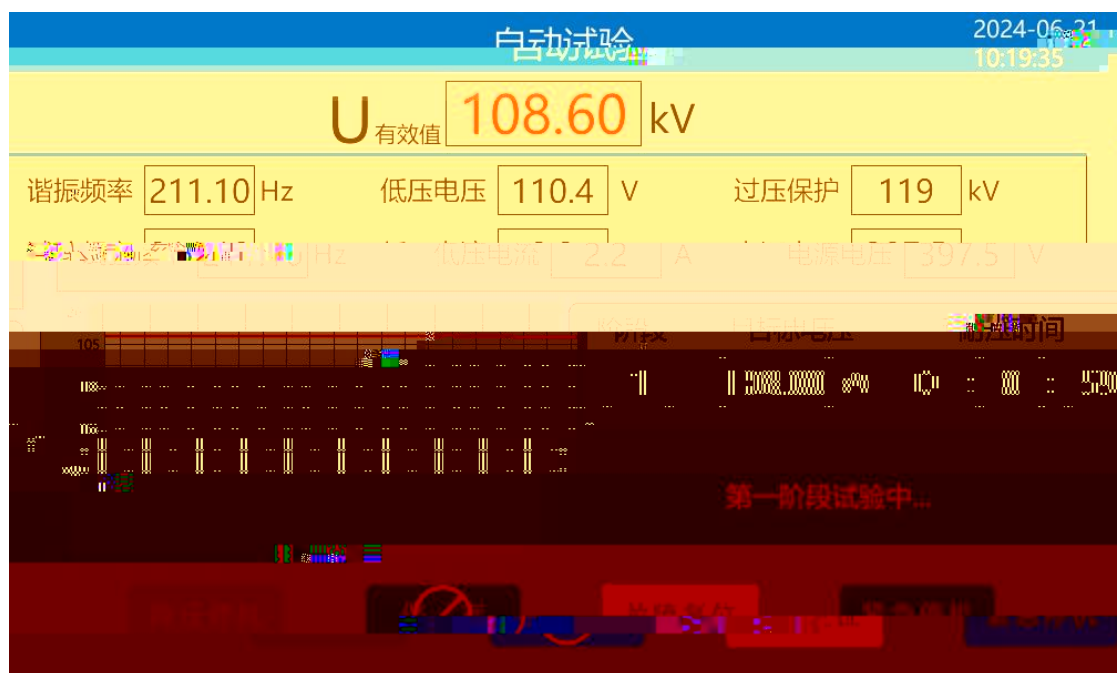
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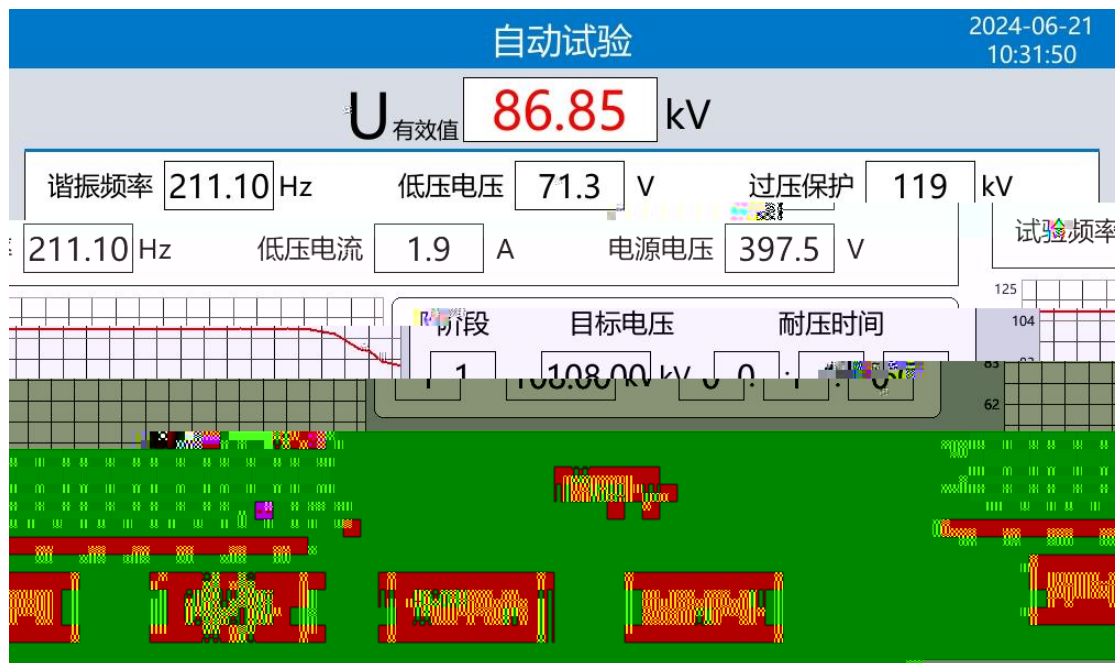
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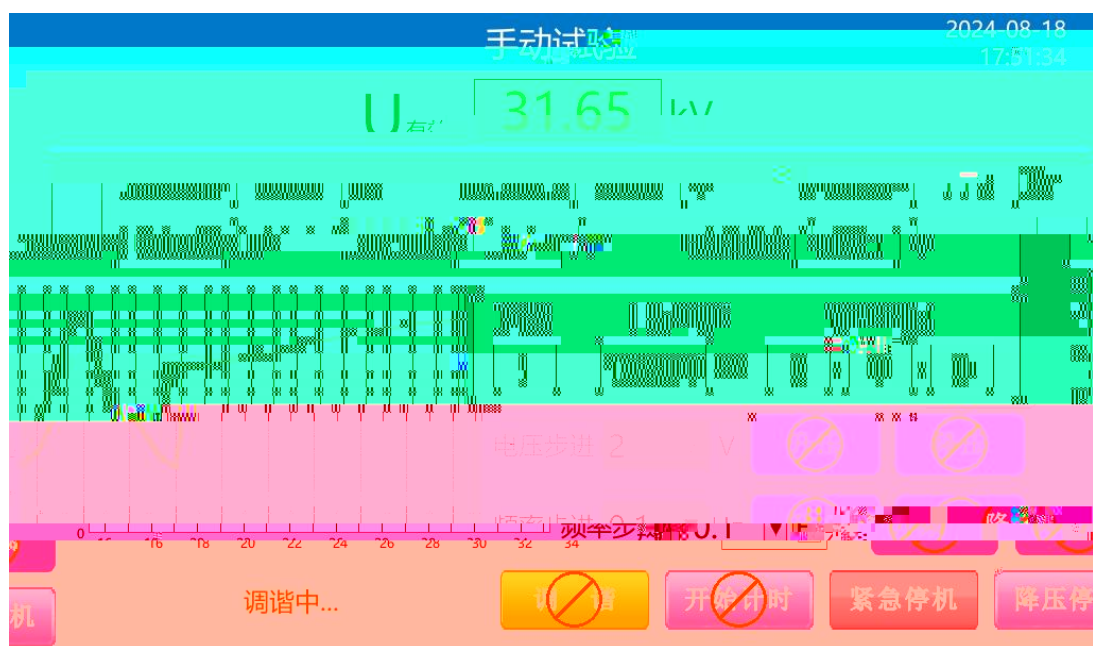
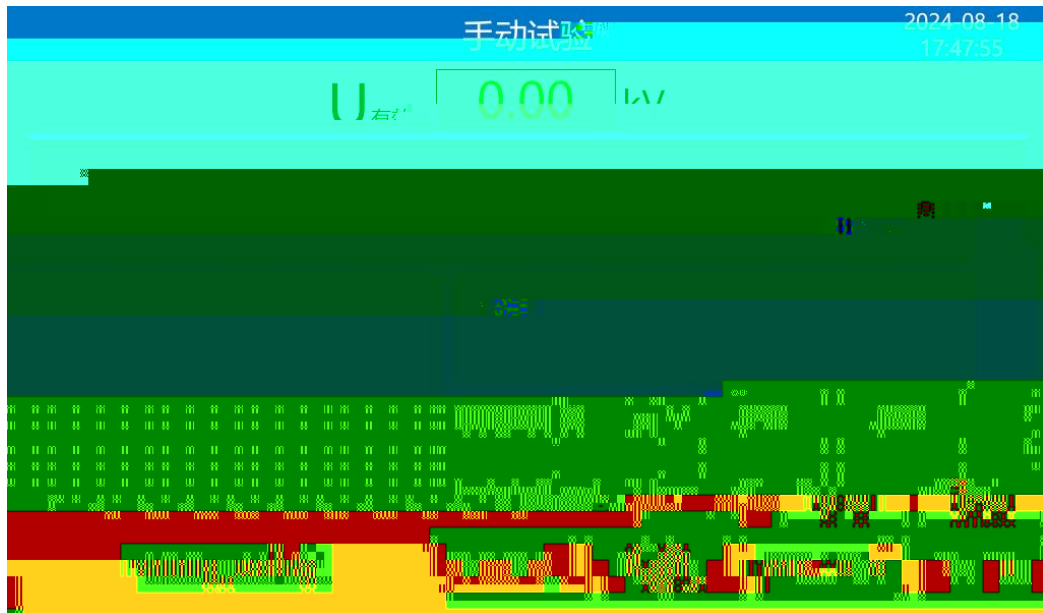
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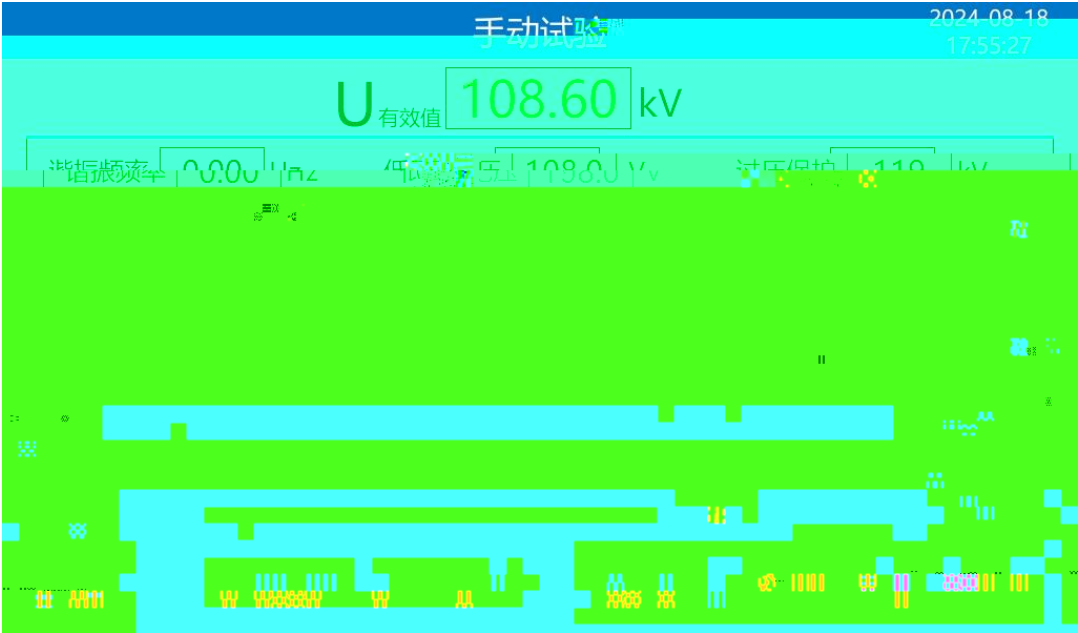
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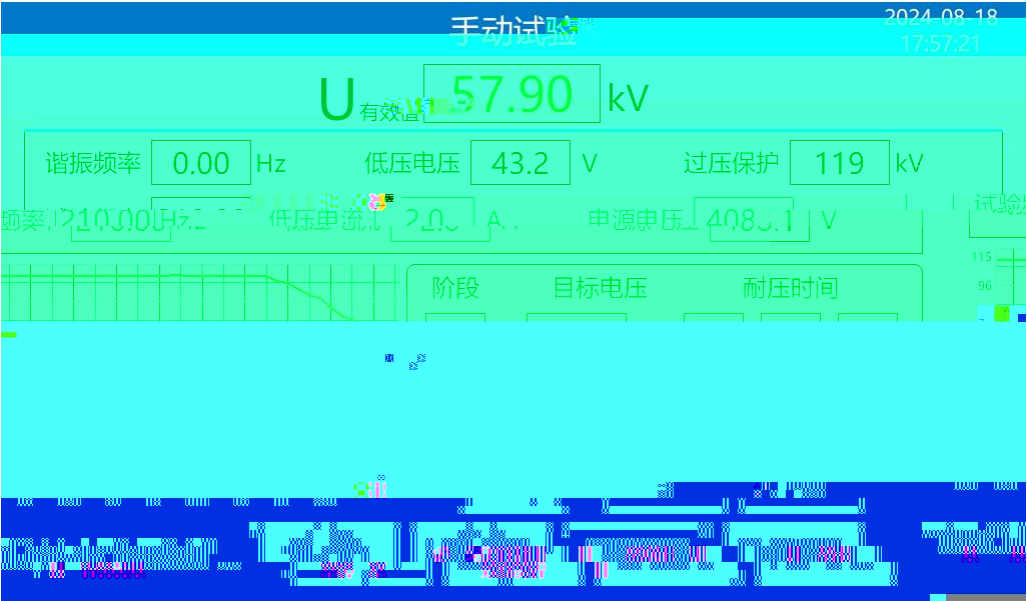










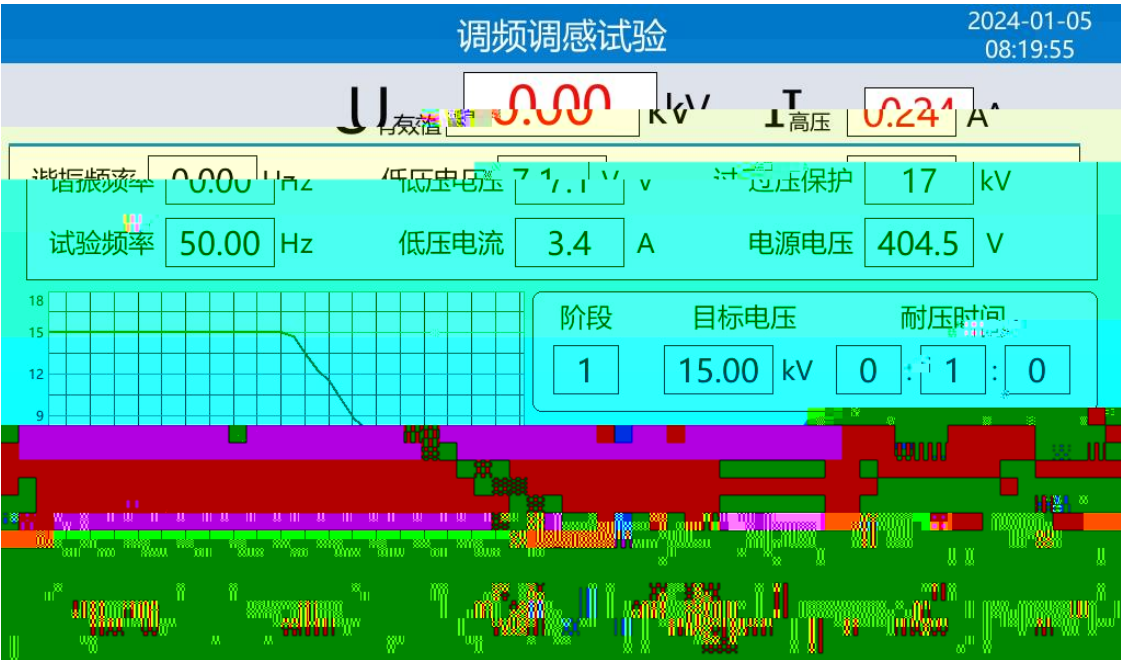
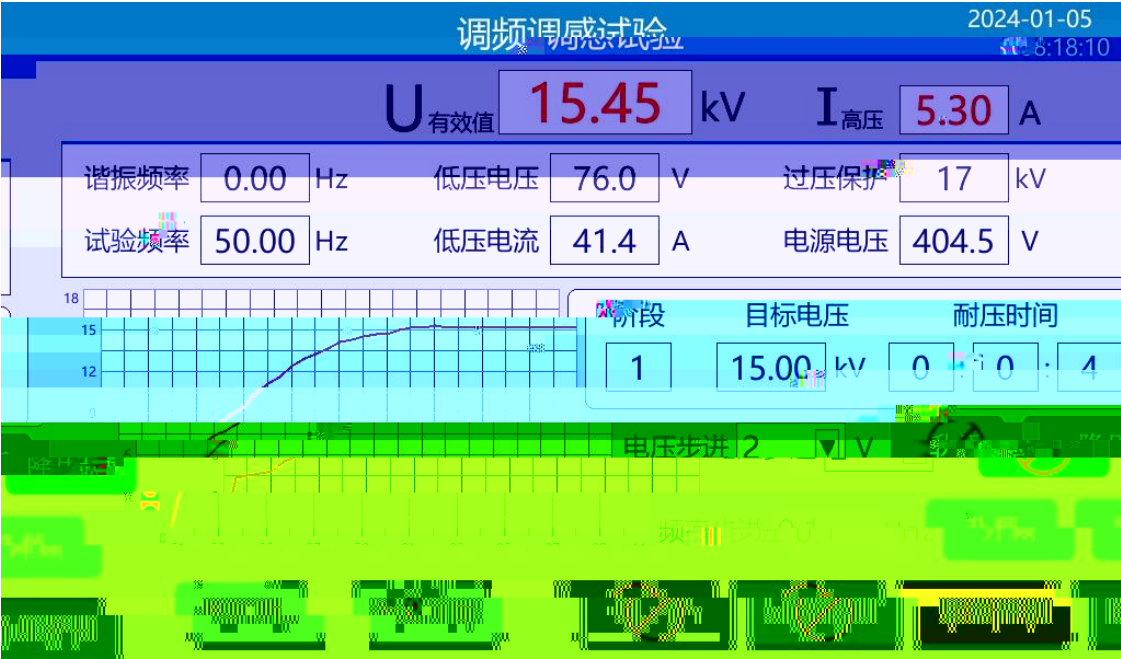




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