

$$V_{RMS_{x_m}} = \frac{\sqrt{2} \times \sqrt{\left(\frac{V_{x_m_R} \times K_{Vx}}{2^{18}}\right)^2 + \left(\frac{V_{x_m_I} \times K_{Vx}}{2^{18}}\right)^2}}{N} = \frac{\sqrt{2 \times \left((V_{x_m_R} \times K_{Vx})^2 + (V_{x_m_I} \times K_{Vx})^2\right)}}{2^{18} \times N} [V_{rms}]$$