## NEW FORMULA 8.259.1

This is the original formula

$$
\int_{-\infty}^{\infty} e^{-p x^{2}} \Phi(a+b x) d x=\sqrt{\frac{\pi}{p}} \Phi\left(\frac{a \sqrt{p}}{\sqrt{b^{2}+p}}\right)
$$

It should be kept as it is.

