



Planck law $B_f(f, T) = \frac{2 h f^3}{c_0^2} \cdot \frac{1}{e^{\frac{h f}{k_B T}} - 1}$

Free space ϵ_0, μ_0
 $c_0 = 299792458 \text{ m/s} \approx 3 \cdot 10^8 \text{ m/s}$

Radio $h f \ll k_B T \rightarrow \text{Rayleigh-Jeans approximation}$ $B_f(f, T) \approx \frac{2 k_B T f^2}{c_0^2} = \frac{2 k_B T}{\lambda^2}$