

LO colculations

 $4.10^{7}(6.28\sqrt{3.3.10^{-12}L})=1$ $6.28\sqrt{3.3.10^{-12}L}=4.10^{7}$ $6.28\sqrt{3.3.10^{-12}L}=2.5.10^{-8}$ $(\sqrt{3.3.10^{-12}L})=(3.98.10^{-9})^{2}$ $3.3.10^{-12}L=1.585.10^{-17}$ $L=4.802.10^{-6}$

4.802.10⁻⁶ = $\mu_0 \mu_0 N^{3} \pi r^{2}$ 4.802.10⁻⁸ = $\mu_0 \mu_0 N^{3} \pi r^{2}$ 14.802.10⁻⁸ = $\mu_0 M^{3} \pi r^{2}$ 14.804.10⁻⁸ = $\mu_0 N^{3} \pi r^{2}$ 1.53.10⁻⁸ = $\mu_0 N^{3} r^{2}$ 1.53.10⁻⁸ = $\mu_0 N^{3} (0.005^{3})$ 0.000612 = $\mu_0 N^{2}$ 0.000612 = $\mu_0 N^{2}$ N=4,12 $N\approx 4$

assuring 4:107 Hz (44Mhz) to peretiate atmos