Question: A locally finite Borel measure  $\mu$  is said to be C-doubling on  $\mathbb{R}^2$  is for any Euclidean ball  $B(x,r) \subset \mathbb{R}^2$  we have

$$\mu(B(x,2r) < C\mu(B(x,r)).$$

Show that any such measure gives measure zero to a straight line L.