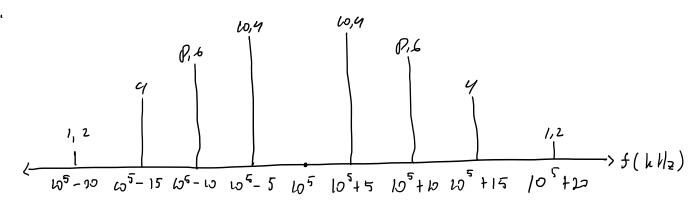
M. Hasym Abdillah P.

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B = 
$$\frac{D5}{5m}$$
 ->  $D5 = B.5m = 2.4.5 \times W^3 = 12 kH_2$ 

$$P = \frac{Ac^{2}}{2R} = \frac{20^{2}}{2R} = 200 \text{ W/}\Omega$$

b.



$$\beta = \frac{\Delta f}{5m} \rightarrow \Delta f > \beta \cdot 5m$$

$$\Delta s' = \frac{Am'. k_5}{5m}. \delta m' = Am'. k_5 = 4.6 = 27 k M_2$$

$$\beta' = \frac{Am', k_5}{5m'} = \frac{\Delta f'}{5m'} = \frac{24}{12} = 2$$

b. 
$$BW_c = 2(Df' + 5m') = 2(24kH_2 + 12kH_2) = 72kH_2$$
  
 $P = \frac{Ac^2}{2R} = \frac{30^2}{2R} = 200 \text{ W/}\Omega$