

UNIK 4700/
9700

12 Sep 2017

Test yourself, answer these questions

- Convert to dB, dBm: $P_r = P_t \cdot G_t \cdot G_r \cdot L_{free}$. Loss
- What is the exact difference between permeability and permittivity?
- What is Relative permittivity? and Relative Permeability?
- Define Propagation constant

left over from 5Sep2017

dB
dB_m $\overset{30\text{dB}}{\curvearrowleft}$

1W
1mW $\overset{1000}{\curvearrowleft}$

Handset: 2W $\hat{=} 3\text{dB} = 33\text{dB}_m$

$$1\text{W} = 10 \log \left(\frac{P}{1\text{W}} \right)$$

$$20 \log 1$$

0 dB

Near-far problem

