

## ASSIGNMENT 2.

1) dB SPL is 0.1 Pa.  
The reference values:

0 dB

50 m/s

20  $\mu$  Pa

$\frac{1 \text{ pW}}{\text{m}^2}$

1 pW

1 V RMS.

$$2 \times 10 \log_{10} \left( \frac{x}{\text{reference}} \right)$$

$$= 2 \times 10 \log_{10} \left( \frac{0.1}{20 \mu} \right),$$

$$= 73.97 \text{ dB}.$$