

$\mu/3m$  — 60dB STL.

15m → ?

$$60 \text{ dB} = 10 \times \log_{10} \left( \frac{P}{P_{\text{ref}}} \right)$$

$$I_{at 8m} = 1 \mu W/m^2$$

$$\frac{1}{q} \quad \frac{1}{(15)^2}$$

$$\frac{1 \times 10^{-6} \times \frac{1}{(15)^2}}{1/9}$$

$$1 \times 10^6 \times \frac{9}{(15)^2}$$

$70.0$

Handwritten:

40 N/m<sup>2</sup>

10 (alternativa)

$$\frac{\frac{f_0}{\sin(\theta)}}{\frac{f_0}{\sin(151.2^\circ)}}$$

$$\frac{15}{9} = \frac{5}{3}$$

2572

$I_{\text{a}}$  is 25 times higher at 3m

$I_2$  is dB is as time lower

13. 97 dB

$$13.9 + 10 \log_{10} \left( \frac{I}{1 \text{ } \mu\text{W}} \right)$$

400 W/m<sup>2</sup>