

8 8 - 16m.

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~~8~~

$$\frac{P_0}{4\pi (8)^2}$$

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$$\frac{P_0}{4\pi (8)^2} \times \frac{8 \times 2 \times 8 \times 2}{16 \times 16} = \frac{I_1}{I_2}$$

(4)

$$\underline{\underline{I_1 = 4I_2}}$$

8m is higher

16m is 4 times

lower intensity

$$\underline{\underline{6.0205 \text{ dB}}}$$

$$113.98 \text{ dB}$$

$$\underline{\underline{I_1 P_0 = I_2 P_0}}$$

(P₀) signal at

8m - 8m