-102,85 JBM

 $(\Lambda)$ 

how d = 158,00 -> d = 14,46 km -> dux = d+ do= 14,56 km @

M=10dB

Pms = EIRP-LB-LNOS

- 12,85dBM!

dw 8hm

2, ZADATAK

$$F(x) = P(x < x) = \int_{-\infty}^{\infty} f(t)dt$$

$$P(A^{C}) = 1 - P(A)$$

$$f(v) = \frac{v}{\sigma^{2}} e^{-\frac{v^{2}}{2\sigma^{2}}}$$

$$F(r) = 1 - e^{-\frac{v^{2}}{2\sigma^{2}}}$$

$$P(A^{C}) = 1 - e^{-\frac{v^{2}}{2\sigma^{2}}}$$

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$$P(r < r_{MIN}) = 1 - e^{-\frac{1}{26^2}} = 1 - e^{-\frac{1}{M_{SS}}}$$

$$M_{SS} = -\frac{26^2}{V_{MIN}}$$

$$\mathbb{E} \times = 0 \qquad \times - \mathbb{E} \times \\ \mathbb{E} \times \times \\ \mathbb{E} \times = 0 \qquad \times - \mathbb{E} \times \\ \mathbb{E} \times \times \times \\ \mathbb{E} \times \times \\ \mathbb{E} \times \times \times \times \times$$

$$P(\frac{L_{15}}{G}, \frac{M}{G}) = 10\% = 0, 1 = Q(\frac{M}{G})$$

$$\frac{X}{G} = \frac{Q(\frac{1}{15})}{G} = 1,28$$

$$\frac{M_{128}}{M_{128}} = 1,28 \cdot G(\frac{1}{15}) = 7,69 \cdot ds$$

$$M_{128} = \frac{7}{1}69 \cdot ds$$

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3. ZADATAK

$$A = 7 d$$

Max 135 ds

$$=Q(8)=0,127=127$$

$$=1-P(\frac{L_0}{G} \leq \frac{8}{7})=1-\left(\frac{1}{2}+\phi(\frac{8}{7})\right)=\frac{1}{2}-\phi(\frac{8}{7})=0,127=1,7\%$$

$$\phi(x) = \frac{1}{2} + \phi_0(x)$$