a) odavde se racuna udaljenost d i onda se izracuna povrsina i omjer povrsina koji se trazi.

$$A = 69,55 + 26,16 \log f \Big|_{MHz} - 13,82 \log h_{BS}$$

$$B = 44,9 - 6,55\log h_{\rm RS}$$

$$E = 3.2(\log(11.75h_{MS}))^2 - 4.97$$

za velike gradove  $f \ge 300 \,\text{MHz}$ 

$$L|_{dB} = A + B \log d|_{km} - E$$

- URBANO PODRUČJE

$$|Logd|_{km} = \frac{L - A + E}{B}$$

P1 = 
$$d \left| \frac{2}{km} \right| \times \pi$$

b) i c) odavdje se prvo izracuna L za oba slucaja koja su zadana i onda se racuna pouzdanost prema formuli:

$$\Pr[x > x_0] = \int_{x_0}^{\infty} p(x) dx = \frac{1}{2} - \frac{1}{2} \operatorname{erf}\left(\frac{x_0 - \overline{x}}{\sigma_L \sqrt{2}}\right)$$

$$x_0 = 150 \text{ dB} \qquad \overline{x} = \mathbf{L} \Big|_{\mathbf{dB}} \qquad \sigma_L = 8 \text{ dB}$$

$$X_0 = 150 \text{ dB}$$

$$\overline{x} = L \Big|_{dB}$$

$$\sigma_L = 8 \text{ dB}$$