$$\min\left(\frac{S}{I}\right) \approx \frac{P \cdot \left(\frac{f_2}{2}\right)^{-2} \cdot \frac{1}{R^2}}{P \cdot \int_{K}^{-2} d_{k}^{2}} = 1,21 \quad 0,82$$

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$$\lim\left(\frac{S}{I}\right) \approx \frac{P \cdot \left(\frac{f_2}{2}\right)^{-2} \cdot \frac{1}{R^$$

min  $(\frac{5}{I}) = \frac{\min(5)}{\max(I)}$ min  $(\frac{5}{I}) = \frac{\min(5)}{\min(5)}$ min  $(\frac{5}) = \frac{\min(5)}{\min(5)}$ min  $(\frac{5}{I}) = \frac{\min(5)}{\min(5)}$ mi

• Ia = Ic = Ie = Ig = P. 
$$\left( \frac{3R}{2} \right)^2 + \left( \frac{3R}{2} \right)^2 = P \cdot \left( \frac{3\sqrt{2}}{2} \cdot R \right)^{-2}$$

• 
$$J_{b} = I_{d} = I_{f} = I_{h} \approx P. \left( \sqrt{\frac{(3R)^{2}}{2} + 0^{2}} \right)^{-2} = P. \left( \frac{3R}{2} \right)^{-2}$$

 $\frac{P \cdot \left(\frac{5}{2} \cdot R\right)^{-2}}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3 \cdot dB}{\sum_{k} P \cdot d_{k}^{-2}} \int \frac{0,74 \cdot y - 1,3$ 

## ASKHEH

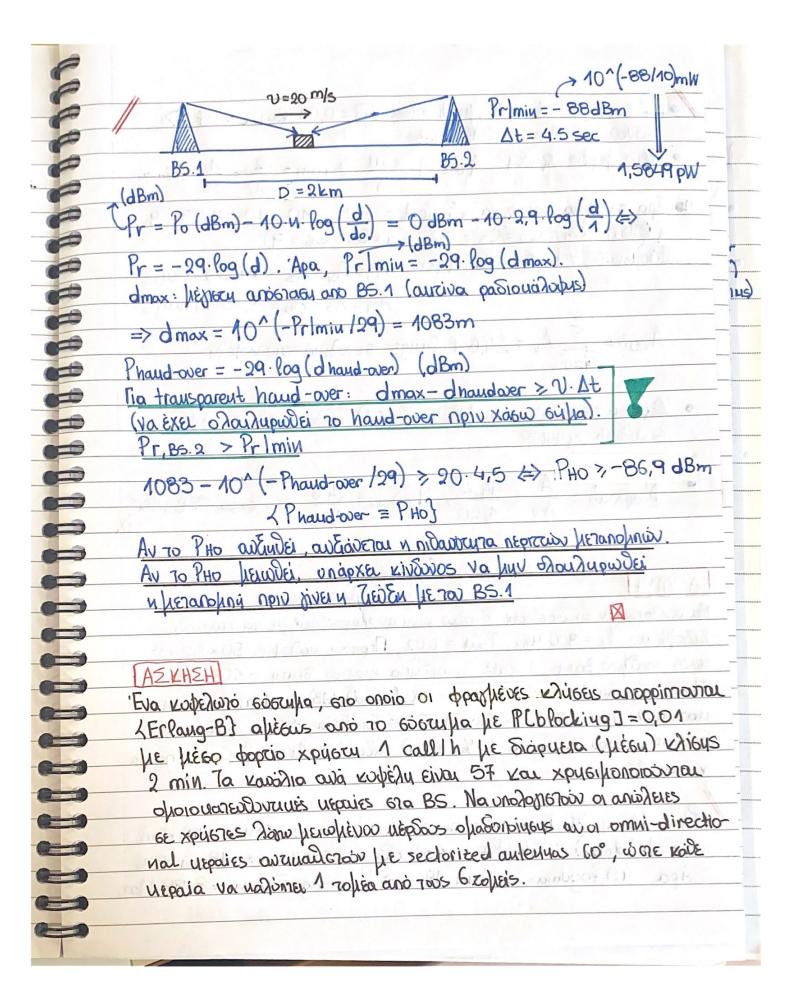
Est και β52. Δίνεται γ από ετα μεταξό B5 2 km. Για model.

path Poss χρισιμοποιούμε απλις κλίσις με Po=1mW και do=1m,

N=2.9. Ο χρόνος που χρειάζεται πα να πίνει μια μετα πομπή είναι.

Δt=4.5 sec. Ελάχιστη εναισθησία δέντη Pmin = -88 dBm.

Να υπολοπετεί η ελάχιστη ισκός μεταπομπής πα την οποία πρέπει να ξεκινάτι η διαδιμασία μεταπομπής νόστε να είναι transparent η διαδιμασία Γαπονοία διαμοπής διλλαδή). Τι πορατησόχε αν εχούμε μεγάλη μαι μπηρή ισκό μεταπομπής.



Fia 606cupa Erlang B, µE P[blocking] = 0,01 vas C=57 → 60VOZIUG A= 44,2 Erlaugs. • Méso poprio xpijsry: Av = 1. call. 2. min =  $\frac{2}{60} = \frac{1}{30}$  Erlangs. · Διαχωρίζω κωάλια ανά sector: 10, 10, 10, 9, 9, 9 (Sivw C1 = C2 = C3 = 10, C4 = C5 = C6 = 9) Enolières, y sector exe copcio: A1=A2=A3=4,45 Erlangs A4 = A5 = A6 = 3,75 Erlangs Anew = 5 Ai = 24,6 Erlangs Govolina Gan Materia. · KEpSisa se liciway napefißolia (CCI) alla exosa se ndiftos Gordina Xonesin Nopxiuo =  $\frac{A}{Av} = \frac{44.2}{1/30}$ , Nzeriuo =  $\frac{94.6}{1/30}$  => Exaga 558 users ASKHEH Na unosopenoù or Siacráces Siuras criurias en uno usi per na una custo. SESOLIEVA: Ic= 900 MHz, Pout = 0,02, Reproxy ualupys 50 x 50 m2, 16xis encultor Bases 1 Watt, wasonina kingras deuty - 104 alban Marisho and relias: L = - 10 + 40 log (d) (dB) pe d:m. Muriorga uaroium 1000/km², Baulios Sikiesueus unupreias 50%, Enision injuni μερίδιο παράχου στην αγορά 60%, πραφίλ συδρομιτή: 1 στους 2 μάνει διάρμηα KAYOUS 1,5 min. ·Pt = 1 W y 30 dBm. Pr/min = Pt - L(dmax) = Pth = - 104 dBm => L(dmax) = PH+PL = 134 of (MPOSOXH, OXI dBm i) dBW) 'Apa 40. logomax = 144 dB => Recoverage = dmax = 3,981 bm

⊕ AV EXW agrés Transiters large lading > lognormal distribution. TOTAL COUNTRACTURE OF THE STATE Για εξαγωνιμή κυψέλη: Eceu = 3/3. Recoverage = 41,19 km² 'Apa, apiblios koderioi: # cell = 2.500 km² = 61 cells. • Nukrocyta xpystis) = 50% 1000 /km² = 500 /km² Noverioruna Grispofiurio) = 60% 500/km² = 300/km² =# 62/Spoluzion per cell = 300/km2. 41,19. km2 (\$) =# expopurin per cell = 12.357 • Προφίλ 6ουδρομική: Auser = 0,5.1,5min = 12,5.10-3 Erlaugs. Apa, coptio ava vobisy: 12.357.12,5.10-3 = 155 Erlang/cell. · ME xpisy Filang - B (MIMICIC), Paulage = PCbbck] = 0,02 Bpieuw ou xpericitopar naidos navadinov/cell: c= 168 channel AZKHZH Sócrafia kivyrias Enjuoisusias henospei uno appeis Sianeites fungis ezipanos (Rayleigh distribution) . O preos suparales Bruos Zojos Eivar 4dB. To everyla Braiver euros nerrosprias vian o eurfuais SNR Eina 4-50B na mary, (OdB na data. 1) Mores Eivas a nivavorines Euros Jerrouppias Dio Gustufiarua (SC) Tipus Enidericuos earbachos 2 vas 4 violous. 2) To Stateppino vièposo Da Eisar hepasistepo i fundosepo: i) au Exalte Eniferrus Seuzu Jiepiono Agra (MRC) ij au 7a u awasia jiran overezieliena. SNR = 40B = 104M0 = 9,512 Partage = [1-exp (- SNR tu / SNR) ] na L branches, Combining SNAthlyoice = 10^(-5/10) = 0,3 SNRth Idata = 10^(0110) = 1

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Partage l'voice, L=4 = 1,60110.	10-4
Paulage Idata, L=2 = 0,1076	1354 Pod 1 - 1 1140 109 10
Poutage   data, L=4 = 0,0115	
2) ή Για ίδιο αριθρό υλάδων το διαφοριμό	UEOTOS 700 MRC ENOU NEGANÓTEPO
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