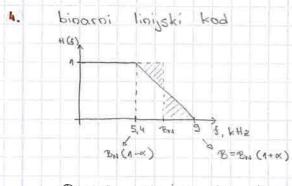


$$f_{uz} = \frac{\mathcal{R}_b}{D}$$
 $f_{max} = \frac{f_{uz}}{2}$

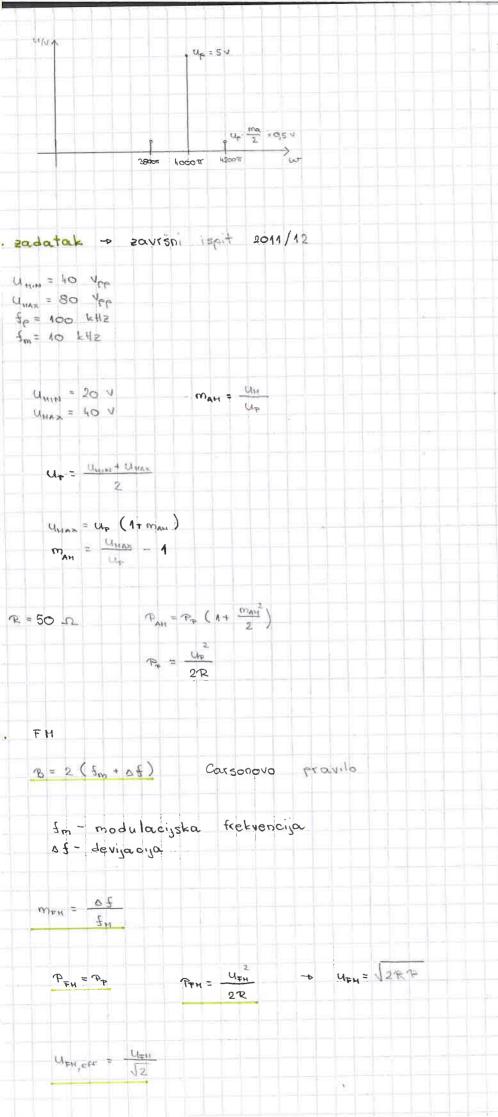


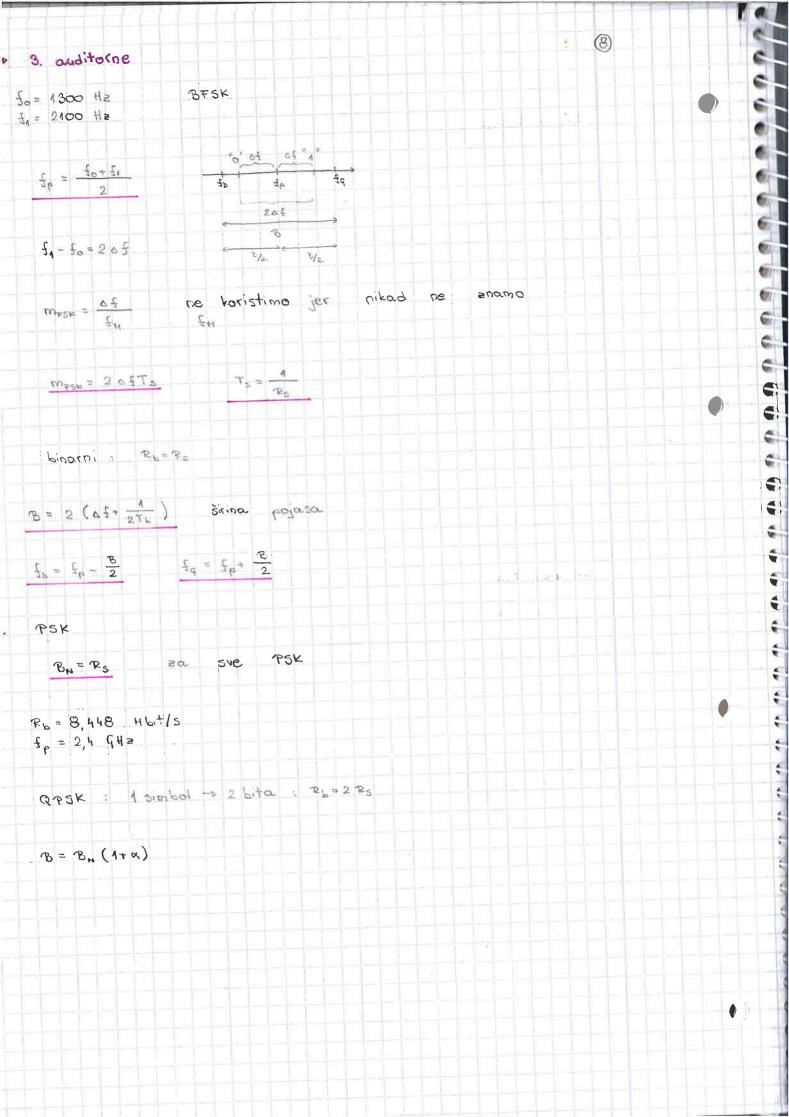
$$\mathcal{B}_{N} = \frac{9-5,4}{2}$$

8.

(1) N= LT. 8 - termički šum 10. k- Boltzmanova konstanta [w] u No = k T → gustoća snage termičkog šuma 9. [sH\w] ou - Mygvistova formula C = 28W c = 16 log 2 (1+ 5) \$ 5 - u apsoluteoj vrijednosti, be u di B= 2,2725 - 2,2675 5 - preracunamo iz dB-a 11. zadatak o jesenski ispitni rok 2011/12 9= 100 W (= 400 m f= 1800 HHz L = 10 log (411 d) quisenje u slobodnom prostoru d - udalienost n- valaa duljina $y = \frac{c}{t} = \frac{3.408}{}$ 7=100 W = 20 de - odasana spaga

prijemna snaga Pm = P-L sve u 18





$$\alpha = 0.5$$
 $P_{0L} = 1 \text{ nW}$

$$P = \frac{E_c}{T_S} \qquad E_S = P_{UL} \cdot T_S = P_{UL} \cdot \frac{1}{P_S} \qquad \left[W_S \right] \text{ ili } \left[J \right]$$

1.3.2 - treći labos	6
18= 10 + 1 26	
amplituda: 20 log x = -40 dB	
9,04	
tražimo točku gdje je -40 drB i očitamo za koju frekvenciju	
3. zadatak - 2. međuispit 2008/2009	
26= 200 Kbit/s	
987, 2	
4 HHZ -> 4-FSK: mrs+ = 2 of Ts	
, c , 8 , 8 , 2° ₅	
205= 937,4-937,2	
1 200/12	
3. zadatak - završni ispit 2011/12	
Pb= 110 Hbit/s B= 25 HHz	
$\mathcal{B} = \mathcal{B}^{N} (V + \infty)$ $\mathcal{B} = \mathcal{B}^{N} (V + \infty)$	
astracina brzina : jedino za PSK możemo izračunati	
2-5= BN	
$SU = \frac{R_b}{B} = \frac{R_b}{B_N(1+\alpha)} = \frac{R_2}{R_3(1+\alpha)} \approx 5.5 \Rightarrow \text{gledamo *a vector}$	
2 = 64 -0 64 - QAH	
GI-QAM ima puna veću otpornost na smetaje od GI-PSK	240

13. zadatak - zimski ispitoi rok 2011/12

MSK