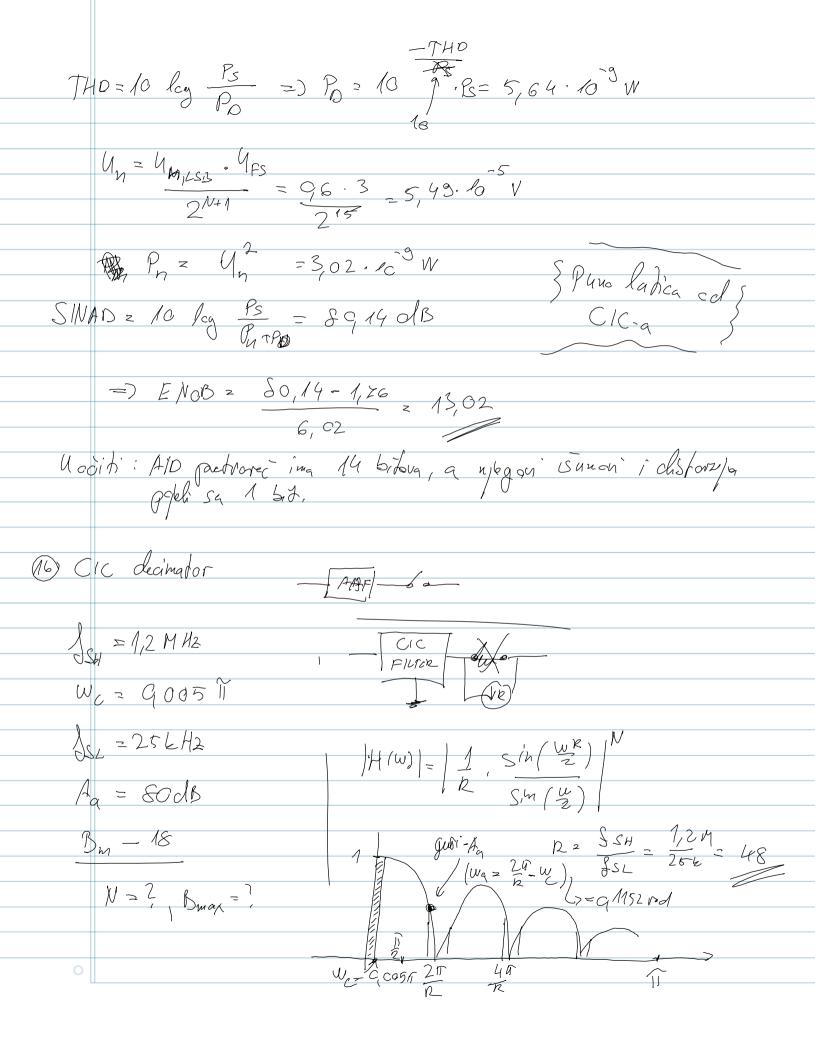
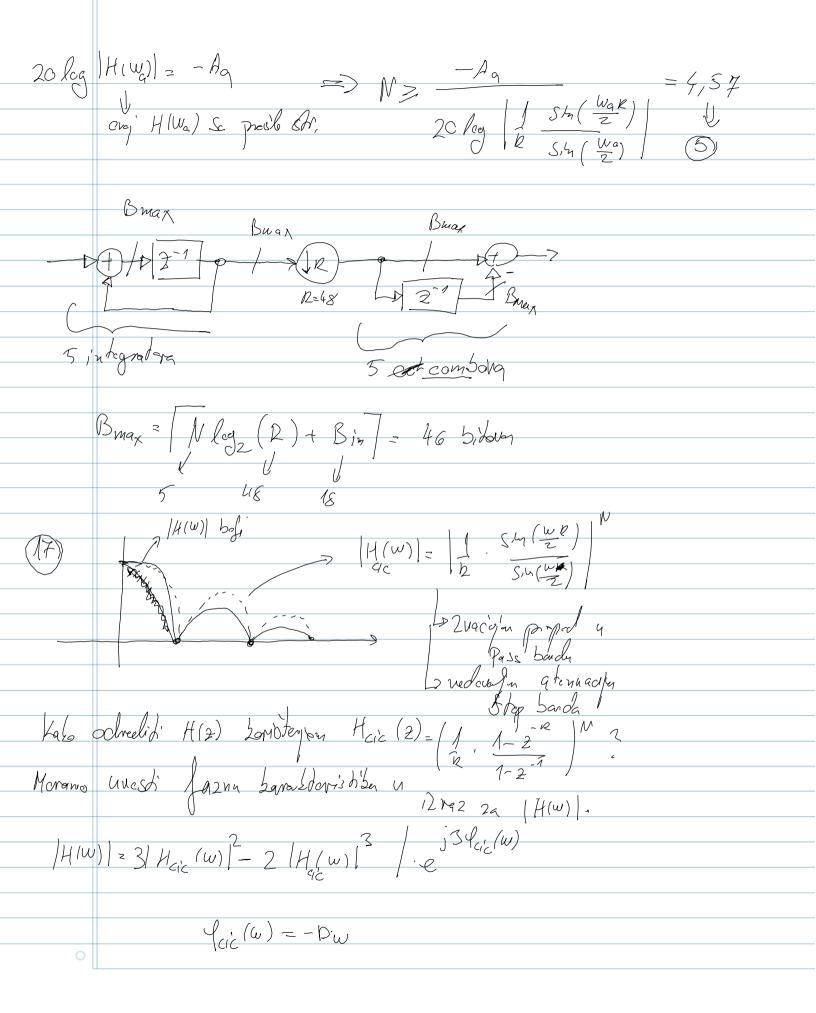
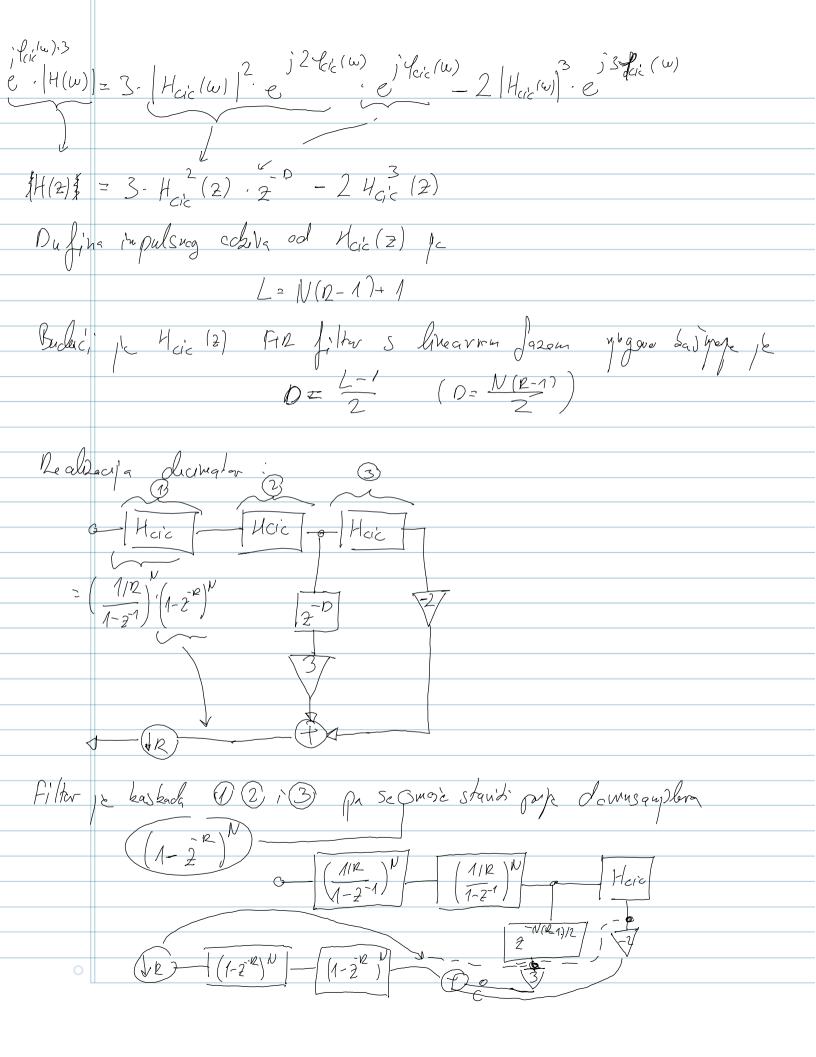
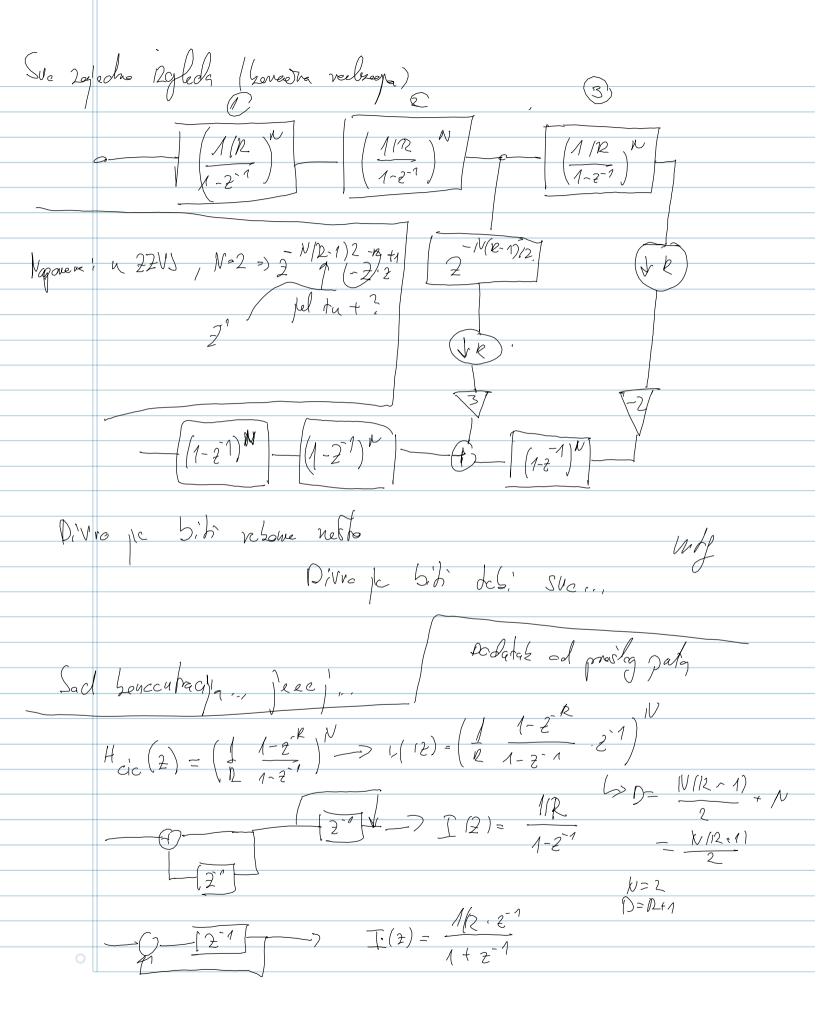
GSK qu	chitarne Vol 2
	Lcl
E	
(1/3)	- m/cre A/D poretvaraà 0521 ran na Eum i destorziju
	1.) SINAD (Signal to voise and distorsion)
	1.) SINAD (Signal to voise and distorsion)  3 usupan/total SNR}
	P
	SINAD = 10 log TS PV+PD
	PV+PD
2	SNR (Signal to noise ratio)
,	
	SNR 2 10 leg PN
3	THO (total harmonic obstorsion)
	THD = 10 log PS (obieno se 12 vazava u dBc)  (i m/evi se na prvih 10 navnenita)
	(i m/evi se na prvih 10 harmonita)
4	SFRD (Signal Spurious free Lynamic vauge)
1)	Street Sparters free degritter voide
	San De Po
	SFDR=Dlog RS  Max (PN+PD)  THE SFPR
0 1	
- ele	d'uni broj bidoug leffective number of bits ENOB)
Odn	A. 1
	= Juli se i2 SIMD = 1,76+ 6,02 · ENDS => medul suma brandizacije SENOS 5-Lova
	ENOB = SIMAD - 1,76 6,02
0	

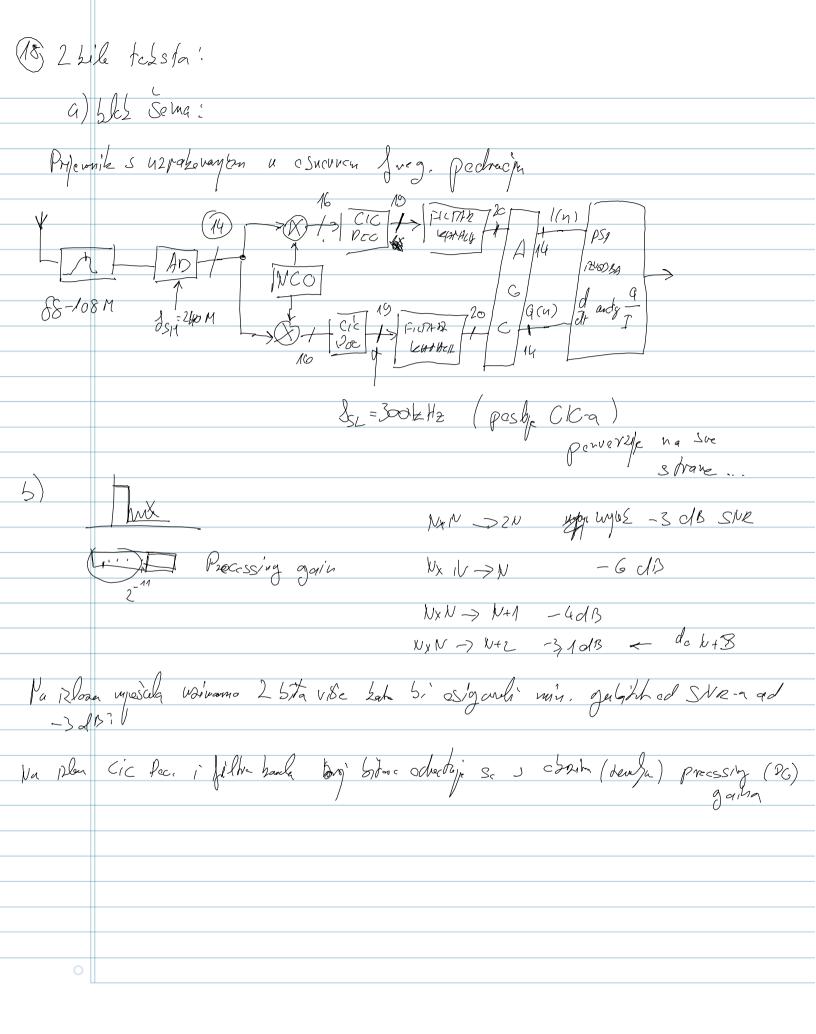
- Was	ve divamily chicks (2ra) art a DBFs (cleable redative to Juli Unes U= 10 0 0 UFS [VPP]	<sup>'</sup> l Scal,
Nonh	$m_{i}$ range of suma Sc $i$	
1 na	$= \frac{u_n}{u_{FS}} \cdot 2^{N+1} \left[ LSB \right]$	
V NC	Sem Shoaja je:  N=14  Ups=3 Vpp  Uniss=2 Ci6LSB  THO=87 dBc  -1  Zo	
	$THO = 82 dB_{C}$ $U_{OBPS} = -1 dBF_{S} \implies U = 10 \cdot 3 = 2,64 V_{PP}$ $ENOS = ?$ $Amplifudg Sin, Sig:$ $U_{m} = 2,64 = 1,34V$	
	Suga! $P_{S} = \left(\frac{V_{m}}{V_{Z}}\right)^{2} = 0.83 \text{ W}$	
0		

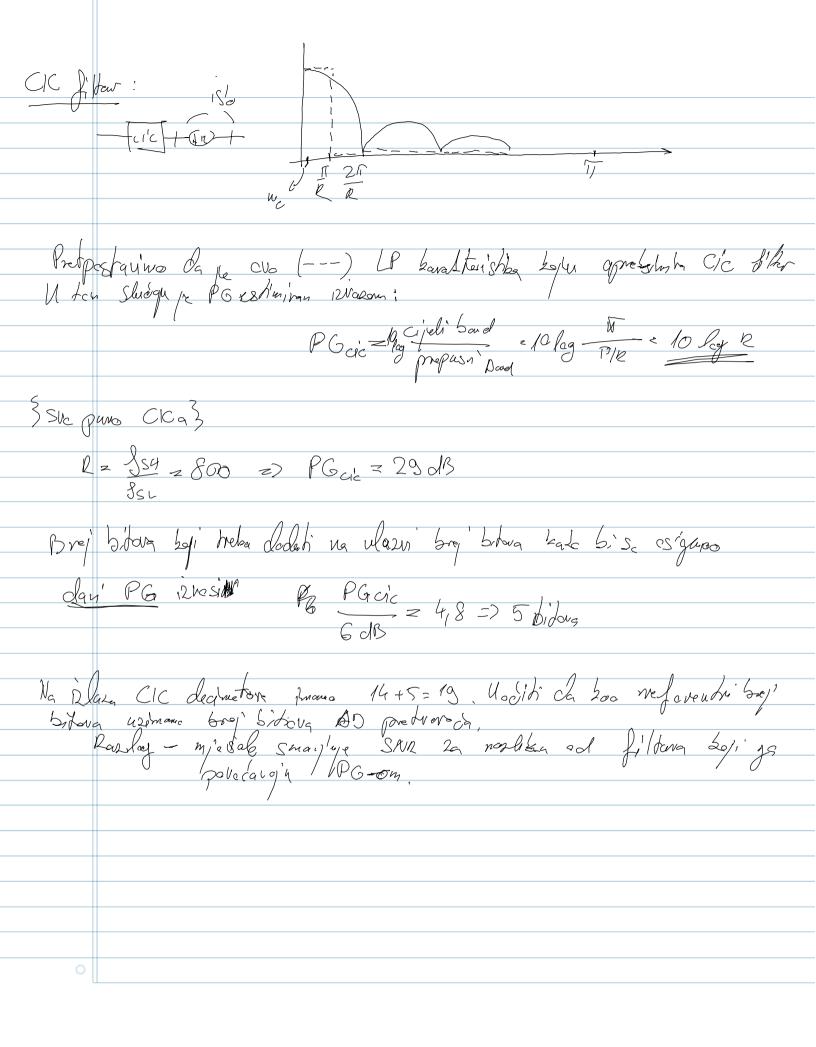


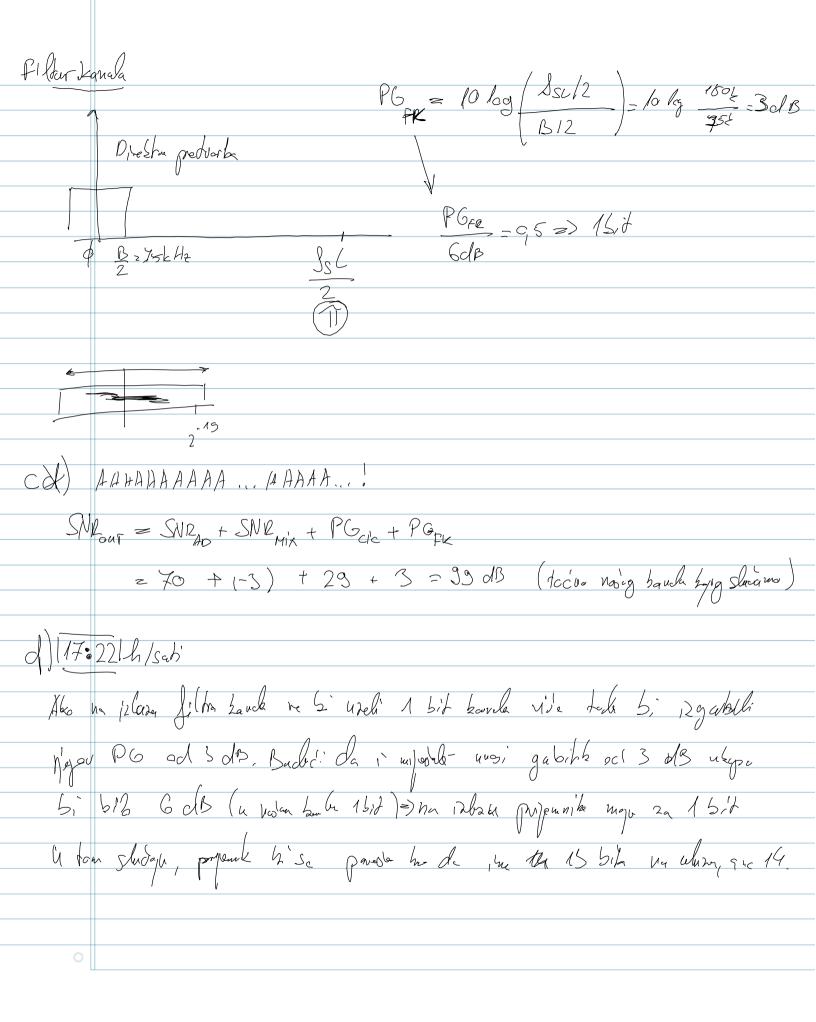










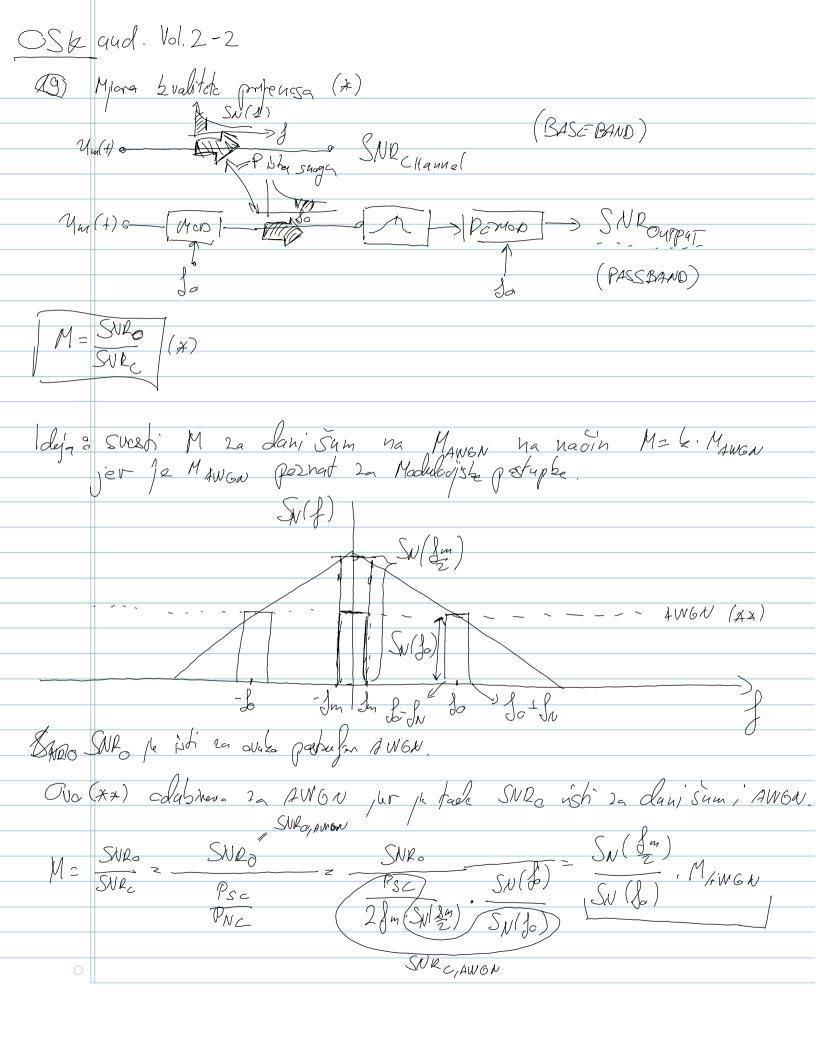


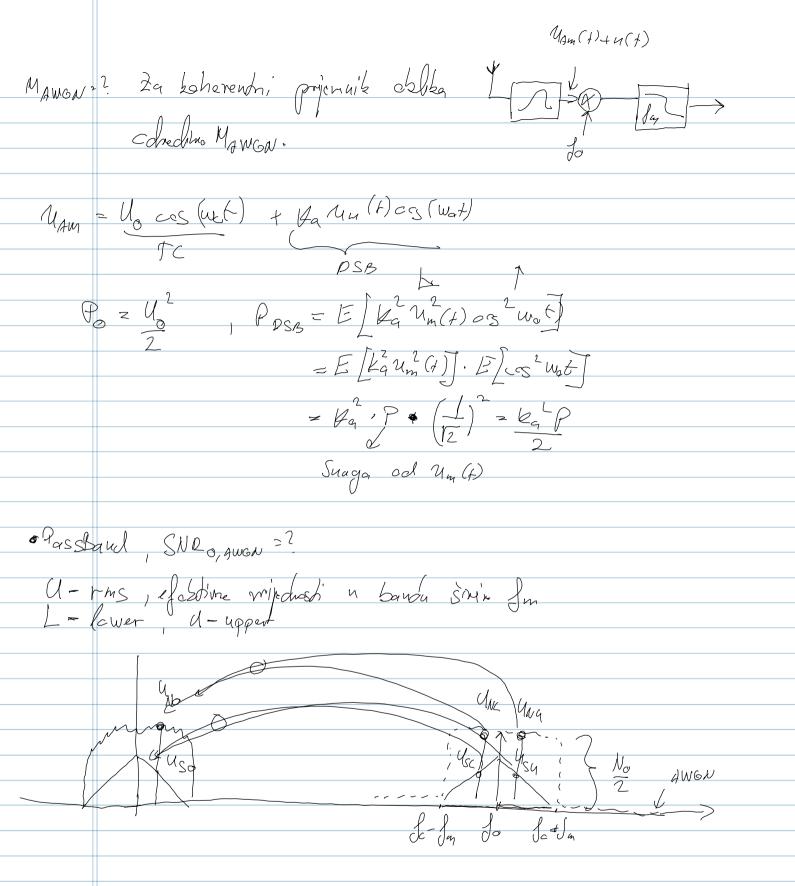
e) Ludlo brale ... Kada ua izlaza imas SUR 39 dB? hade je uc AD pretverer danden fin Signal make/male dinanje, as in days us Wazer la preforacio nema Sura (nema pepedalar.,) DiG SWR SgDB

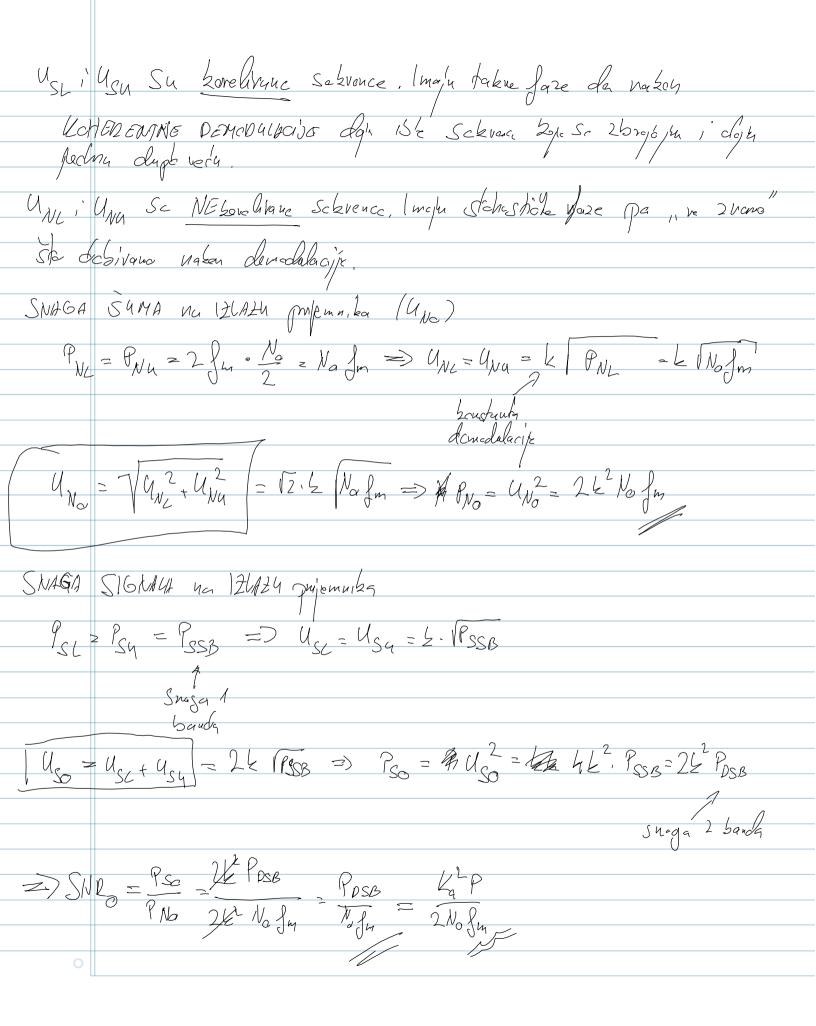
PRIJAMUK

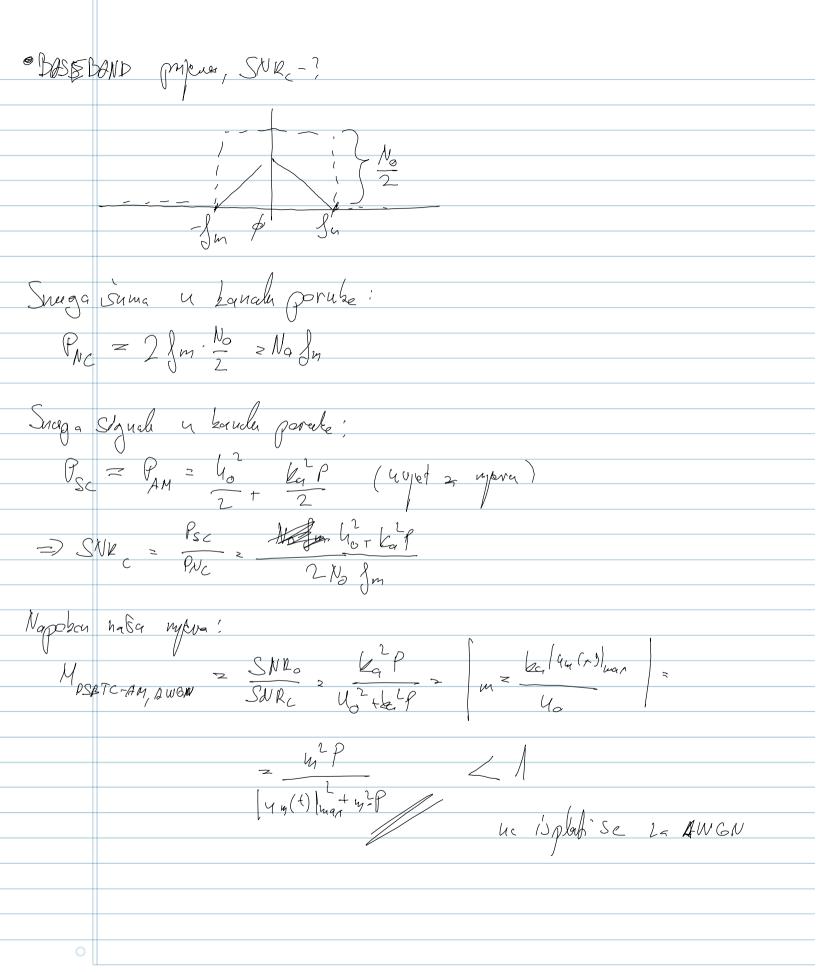
Me., (f) Sueja u h'm dabana Ps = (1) = 2 V a SNR - 10 kg Pr 1 ista Ps = 6,3-10 W Ry = Ps.10 = 6,3-10 W Abo le SNR=10dB dede le ne uleza Suoga Siguela

SIR 10 10 = 63.10 . 10 = 63.10 W Efethe vyledest PM signala 201 & 105 more car' je u vms URMS 2 /3 = 26 MV









Uzaldka Jo=360 kHz, Po=50 W, Jm=3kHz PSSR=6W SN(1) = - 10 - 11 + 10 , 11 L 400 ulte  $S_N(J_c)=10^{-7}$  W/H2 ,  $S_N(\frac{5m}{2})=9.96.10^{-7}$  W/H2  $P_{0SB} = 2P_{SSB} = \frac{k_{0}^{2}P}{2} \Rightarrow k_{0}^{2}P = \frac{1}{20}$   $P_{0} = \frac{1}{2} \Rightarrow \frac{1}{2} \Rightarrow \frac{1}{20} \Rightarrow \frac{1}{$ M = 9,96 - 2 - 1,66 (buf A4) and Basebaud, SNR = POSB = POSB = 467.104=42 dB 20) Uspovedba 2 dipa modulagle destrom na SNR podrazumeva uspovedba miena 2a sprovidi modulacjisti sigual, AWGN ravel i direkton popunit of Oka; LIMITED > DISERINI) MARCE >

AWGN

Mira prijeusz PM Signals de MFM = 34. P

Snogn and Man (4)

