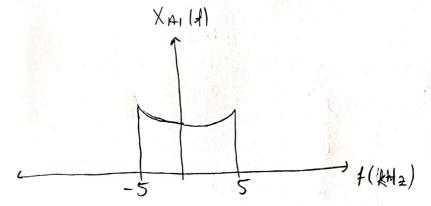


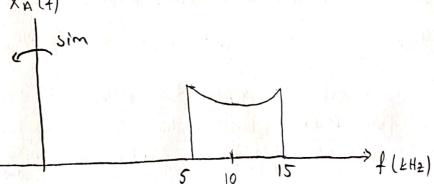
a-

$$X_{A_1}(1) = X(1) \cdot H(1)$$

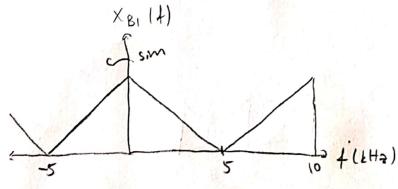
Mustafa Ensor Iskin O40170077



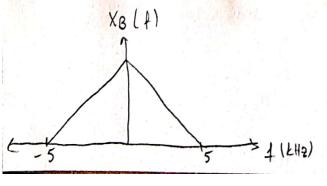
$$X_{A}(t) = X_{A_{1}}(t) \cdot 2 \cos(2\pi \cdot 10^{4} t) = X_{A_{1}}(t) \cdot \left[J(t-10^{4}) + J(t+10^{4}) \right]$$
 $X_{A}(t)$



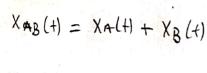
Alt tolda corpindon sonna



AGS den sonna

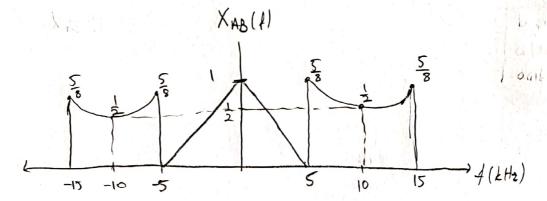


olu.



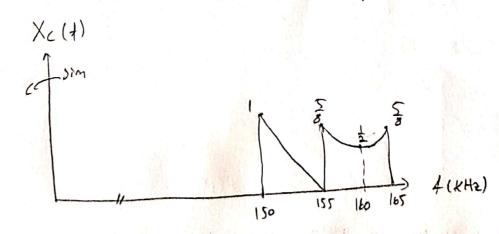
 $X_{AB}(f) = X_{A}(f) + X_{B}(f)$

Mustafa Ensar Iskin 040170077 Engos.



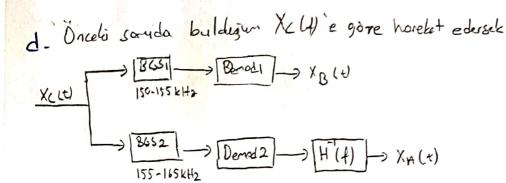
D- Gordagianit modulasyon turleri arasında en ont bond genişliğini üst yada alt yon bend modilosyonu kullonmaktadı. Bununla birlikte Gikis sinyaline demodilosyonu kolaylasternak adra tasiyiu ivoret le ekkrebilir ve bu bond gerisligini enthrmos.

Tek yenbond modulasyonu kullenlusa gereken bend penisliĝi tranetin bond genisliĝine exittir. Song olarak [W= 15 kH2] olarak bulunur (Artik yenbond W+w' kadar bahd genislizi ister. O'Hz giverinda bibsen olduğu igin gerçekte daha iyi song verir. fakat sonuda ide ol süzger kullona cogim) C- Ust you bend modulasyong yapersak!



beller or ngo. in

Singalbin boujutlandermalorere tem olanak ayorlayornaden ama degerbrini yardın.



Mustafa Ensor Ifkin 040170077 Essor

Demodilator

e_ Bu sistem fdm yapısıdır ve tek konaldan birden cok isaret gördemeniki sağlar [+(f) ise her zamen l'den küçük olduğu için (-5,5 kHz arosna) gereken güçü azaltır.

d (devan)

$$H^{-1}(f), H(f) = 1 = H^{-1} \cdot \frac{1}{2} \left(\frac{f^2}{10^8} + 1 \right) = 1$$

$$H^{-1} = \frac{2}{f^2 + 1} = \frac{2 \cdot 10^8}{f^2 + 10^8} \quad \text{olarak bulunur.}$$