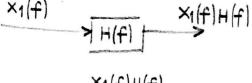
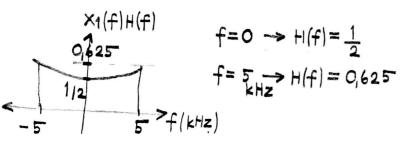
SORU-1

Alp Alpant 040150028





$$x_{A}(f) = x_{1}(f) + (f) *F(2\cos(2\pi 10^{-1}))$$

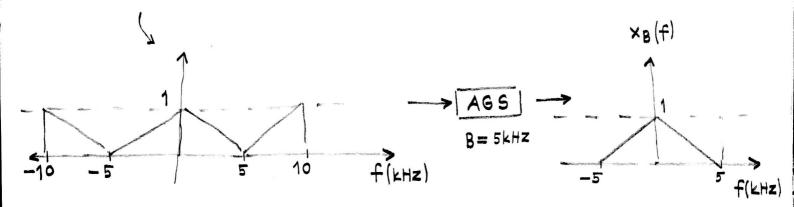
 $x_{H}(f)$

XA(f)

$$F(2\cos(2\pi10^{4+1}) = 8(f - 2\pi10^{4}) + 8(f + 2\pi10^{4})$$

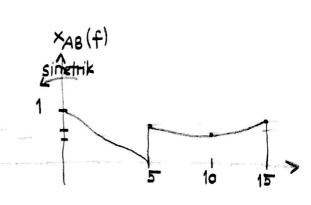
$$\times_{A}(f) = \int_{-\infty}^{\infty} \times_{H}(\tau) \left(8 (f - 2\pi 10^{4} - \tau) + 8 (f + 2\pi 10^{4} - \tau) \right) d\tau$$

$$\times_2 (f - 2\pi 5.10^3) + \times_2 (f + 2\pi 5.10^3) \rightarrow AGS$$



$$\times_{AB}(f) = \times_{A}(f) + \times_{B}(f)$$

FT doğrusal alduğu için zamanda toplama frekansta toplamaya eşittir



B. Tek yan bart modülasyonu en az bant genişliğini gerektirmektedir, bu modülasyon kullanılabilir