Ka = 0.5 Problem 2 Lecture 12 fc= 2 kHz M(+)= 0.5 Cos(20011+) + Cos(40011+) Ac=10 V we AM-Modulate Signal S(t) = Ac[1+kam(t)]. (os (21) fct) - lec 12 Side 44 S(t) = 10 [1+0.5(0.5 (0.5 (0.5/100-217t) + (0.5/100-217t))]. (05 (21 2000 t) 5(f) = 4 [6(f-fc) + 6(f+fc)] + Spectrum Applitude: 100: 25.0.5.0.5 KaAc [M(f-fe)+M(f+fe)] 200: 2.5.0.5 Vely f= 0 15V 1000 July 0000 Mag 2100 2000 100 1800