$62(1) \ U_{DSB} = 80 \left[\cos(122 \times 10^{3}t) - 0.5 \cos(162 \times 10^{3}t) \right] \cos(122 \times 10^{6}t) \quad (V)$ $BW = 2 \Omega_{max} = 6 \ W_{12}$ $(2) \ U_{PSB} = 40 \ \cos(22 \times 10^{6}t - 10^{3}t)) + 40 \ \cos(122 \times 10^{6} + 10^{3})t)$ $-20 \ \log(122 \times 10^{6} - 3 \times 10^{3})t) - 20 \ \cos(122 \times 10^{6} + 10^{3} \times 3)t) \quad (V)$ $U_{SSB} = 40 \ \cos(122 \times 10^{6} - 10^{3})t) - 20 \ \cos(122 \times 10^{6} - 3 \times 10^{3})t) \quad (V)$ $BW = 3 \ W_{12}$

若用老师PT中公式来计算:

USB = |66504t|(86501t - 46501t) + |65101t|(851001t - 4510012t)= 8065(We-Di)t - 4065(We-Di)t= $8065[2000(10^6-10^3)t] - 4065[20000(10^6-30)0^3)t]$

