What is the required coding rate  $r_c$ , number of subcarriers *K* and the aggregated transmitted bandwidth  $BW_{tx,total}$  to provide the peak rate for UE Category 9 devices in DL? Does everything agree with the calculations in exercise number 4? Hint: Consider the maximum rate per layer, number of layers, subcarriers, and constellation order for one LTE carrier on Category 9 devices.

5.

