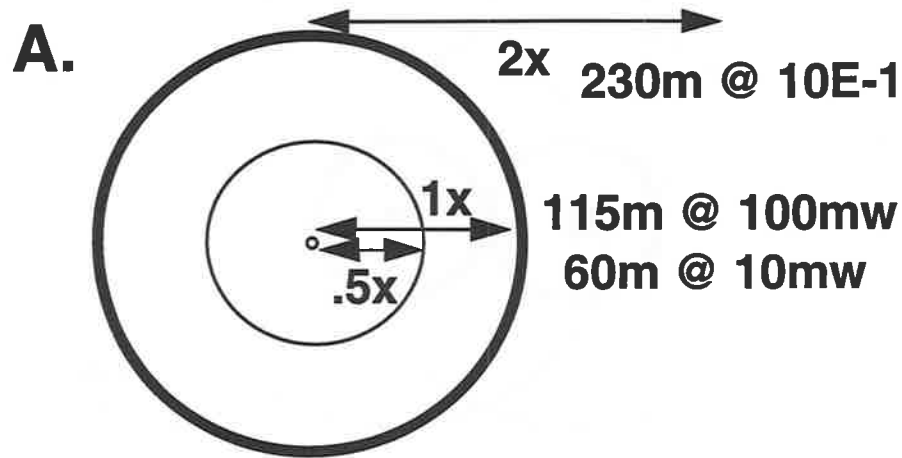
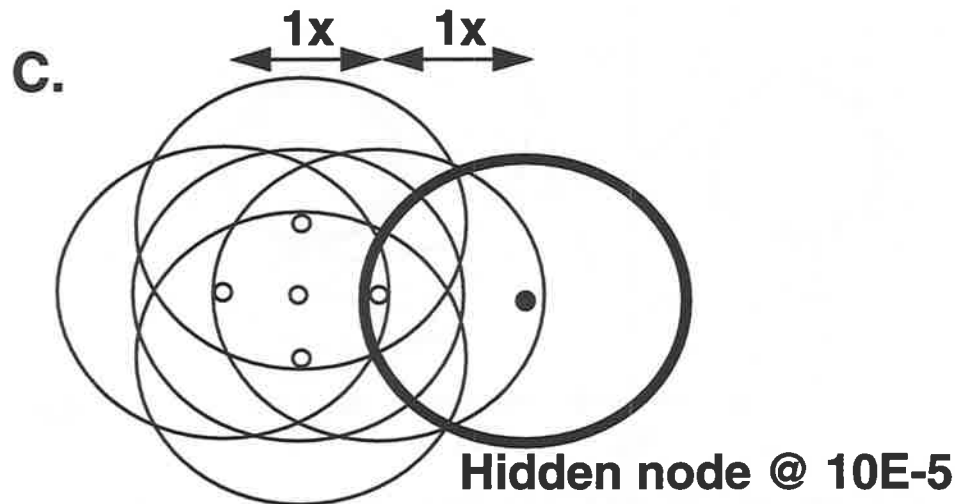


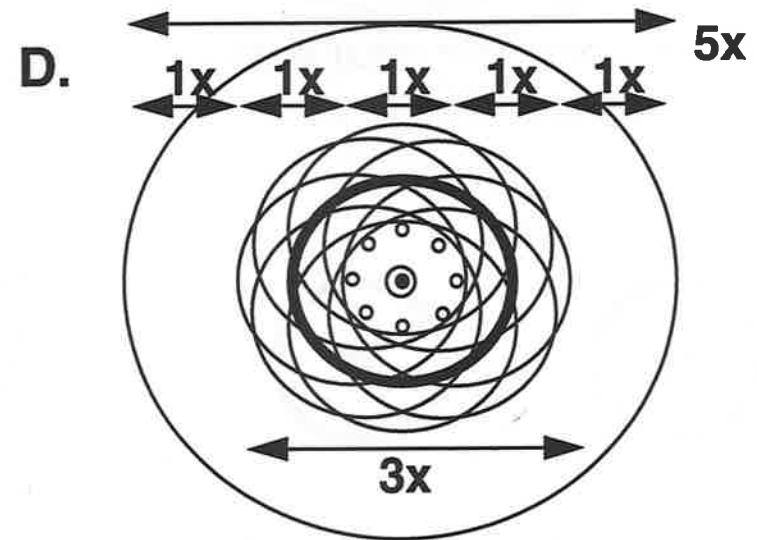
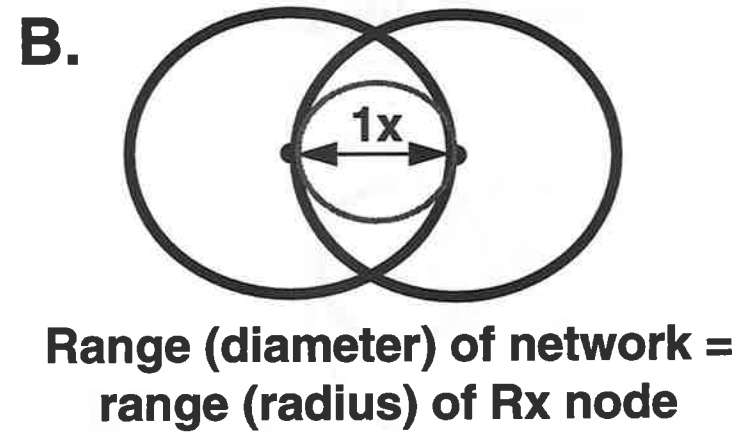
FIG 1 - CCA IN IDEAL SINGLE NETWORK SCENARIOS



Range (radius) of Rx node [1]
 (-80dBm Sens @10E-5, no fade)

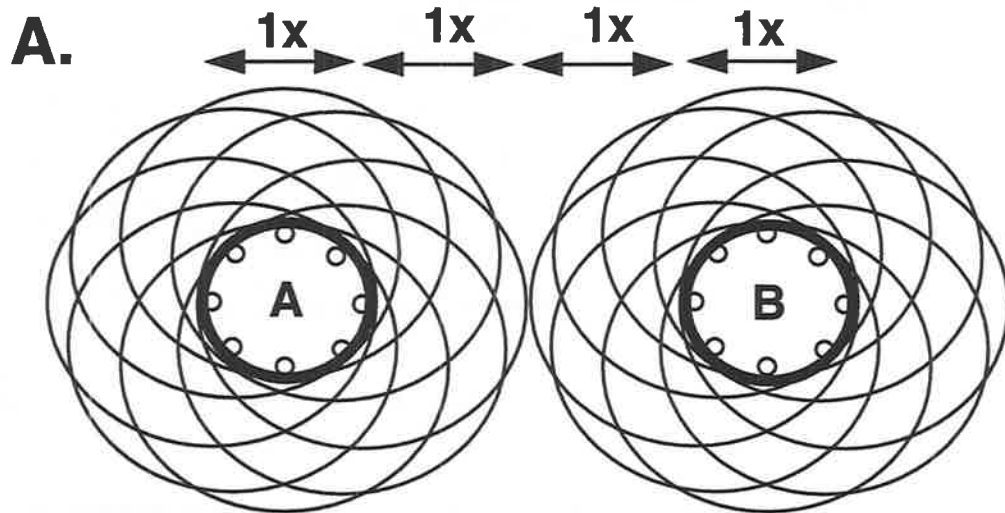


Any node to node separation > 1x

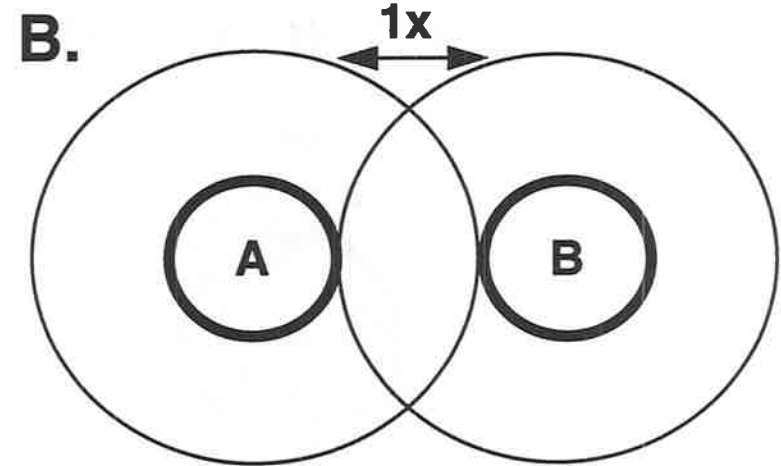


Network's RF Shadow -
 10E-5: 3 x range, 9 x area
 10E-1: 5 x range, 25 x area

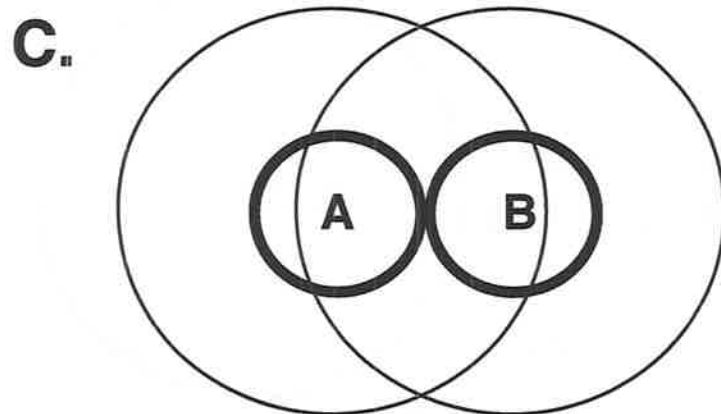
FIG 2 - CCA IN IDEAL MULTIPLE NETWORK SCENARIOS



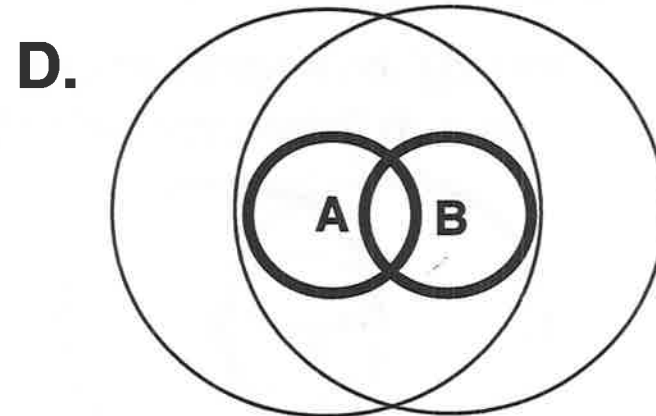
If Separation of all A nodes to all B nodes $> 2x$
 No Interference



$1x < \text{Separation} < 2x$
 Some Interference on Channel



$0 < \text{Separation} < 1x$
 Significant Interference on & adj channels



Overlapping Networks
 Destructive Intrfr. on & adj channels

Note: shadows based on $10E-5$, no fading

FIG 3 - CCA METHODS VS RF POWER & BER [2]

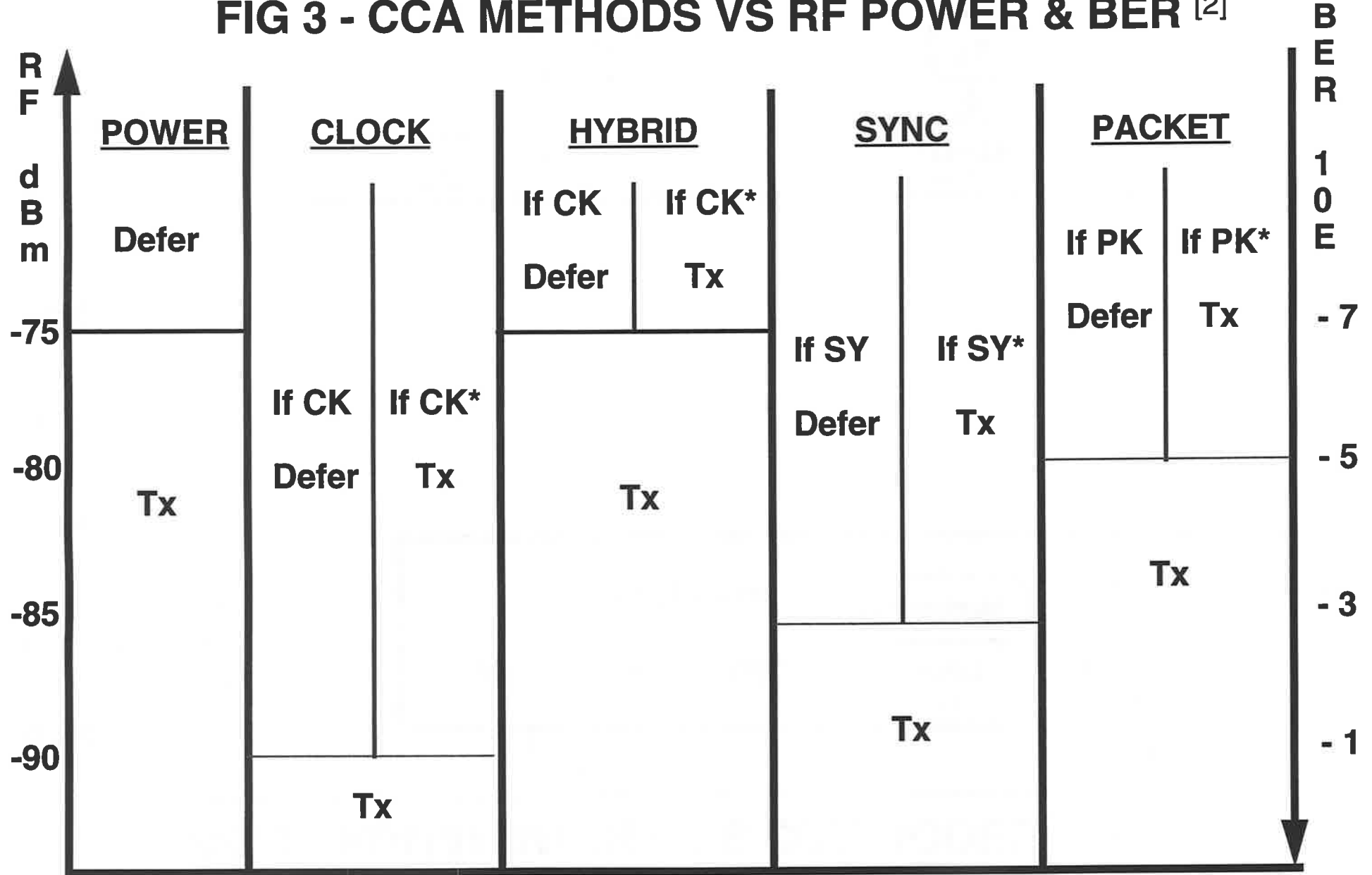


FIG 4 - HUMAN MODEL VS CCA MODEL: CASE #1

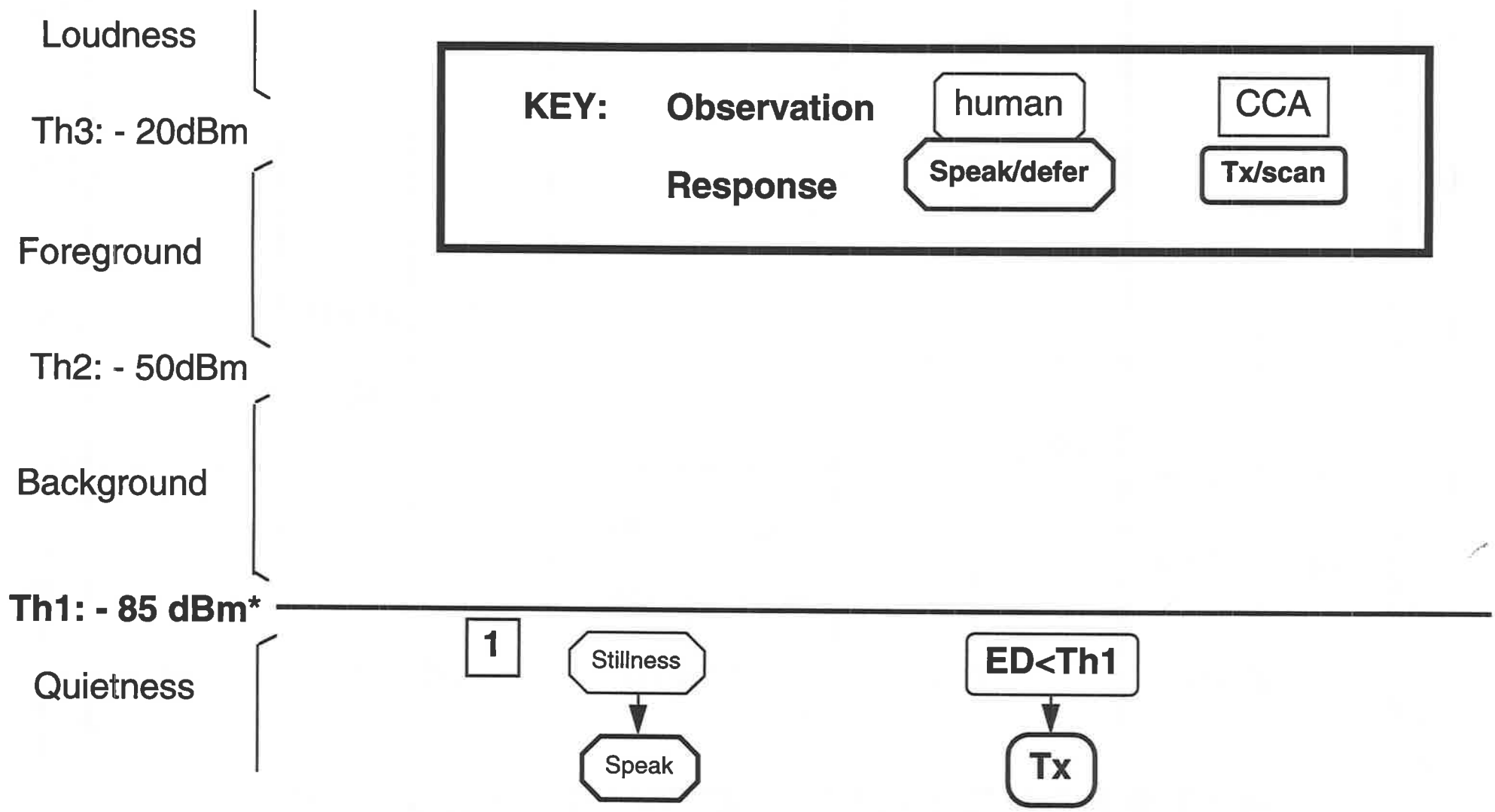


FIG 5 - HUMAN MODEL VS CCA MODEL: CASE #2

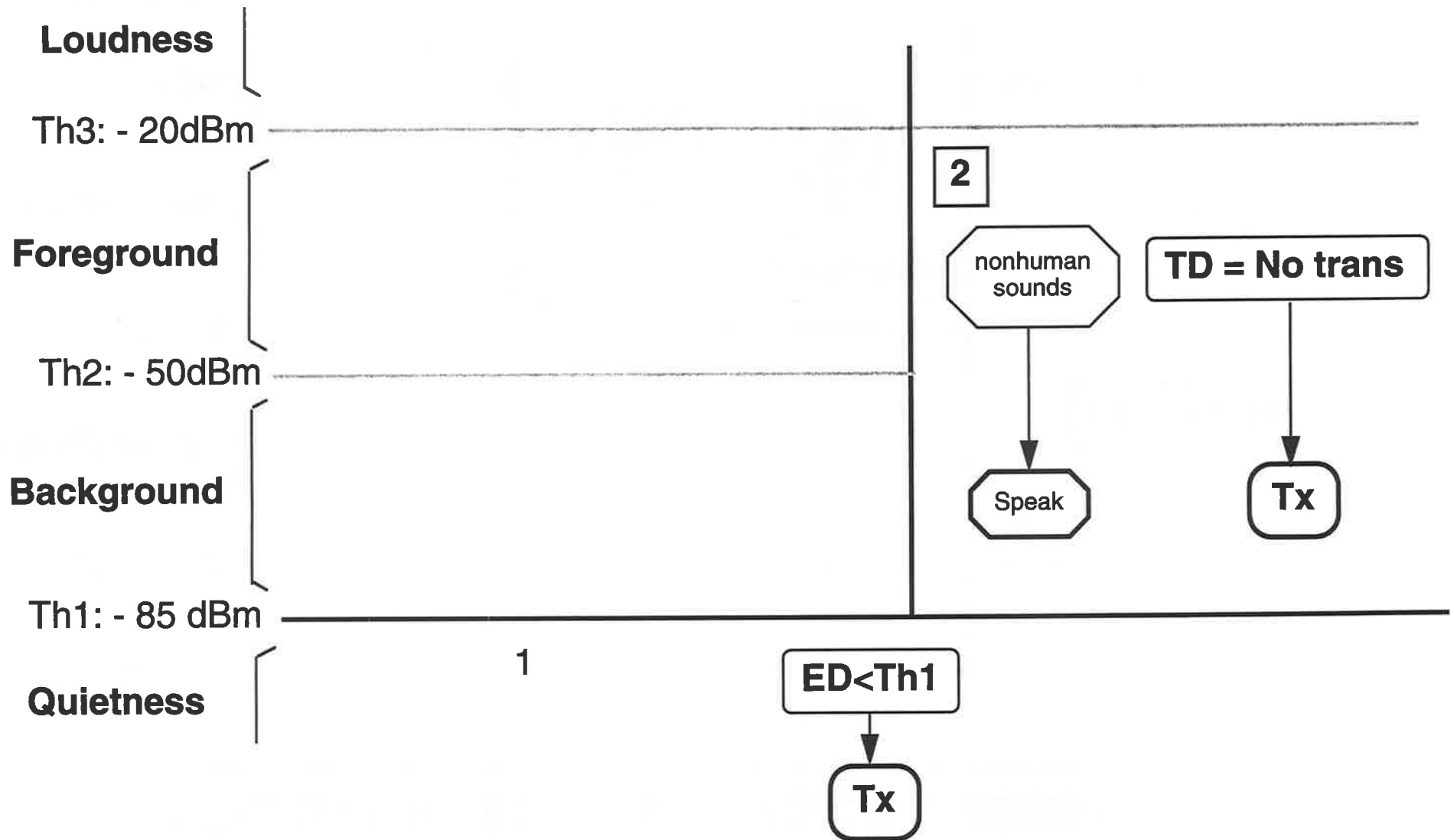


FIG 6 - HUMAN MODEL VS CCA MODEL: CASE #3

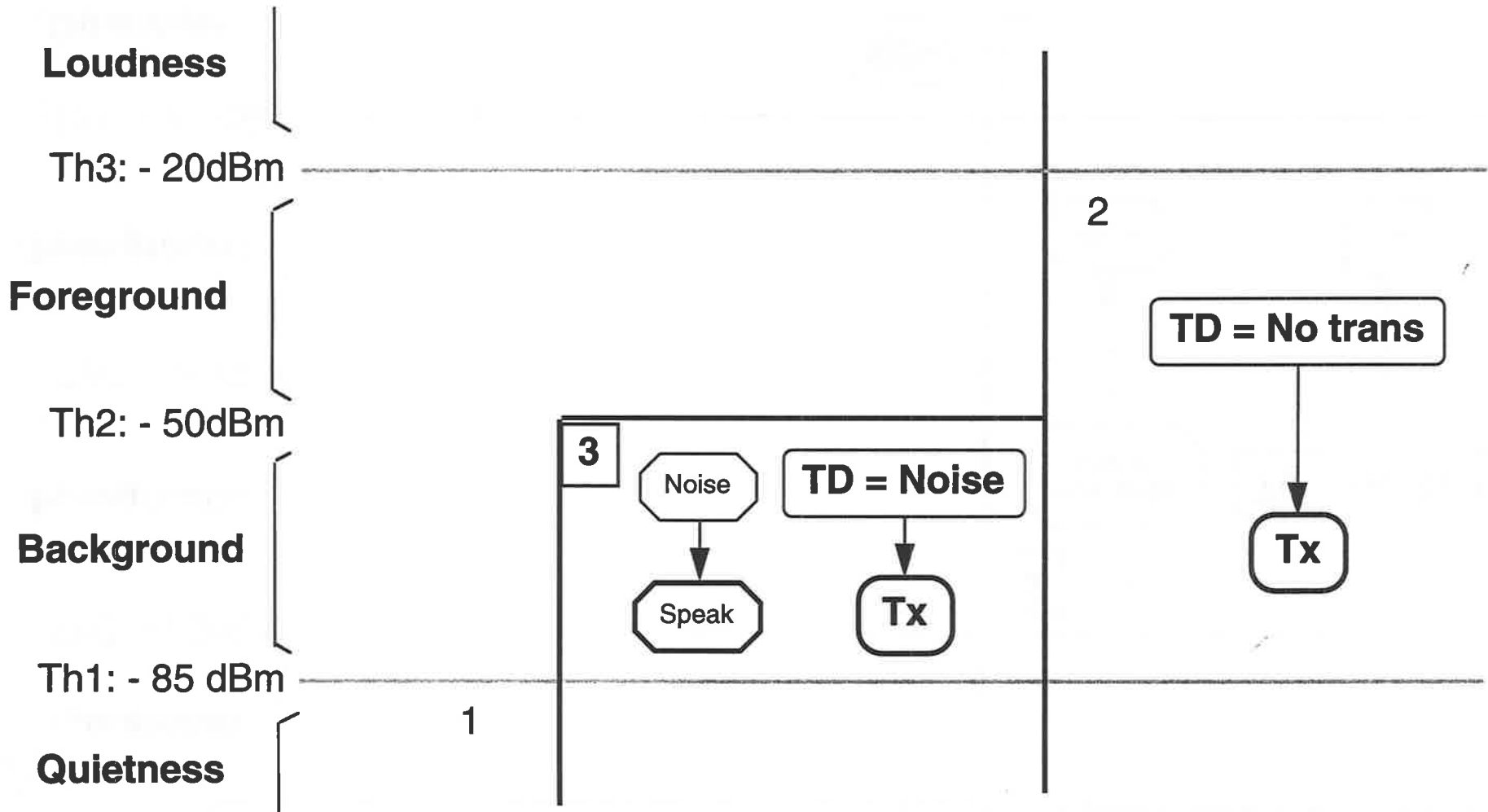


FIG 7 - HUMAN MODEL VS CCA MODEL: CASE #4

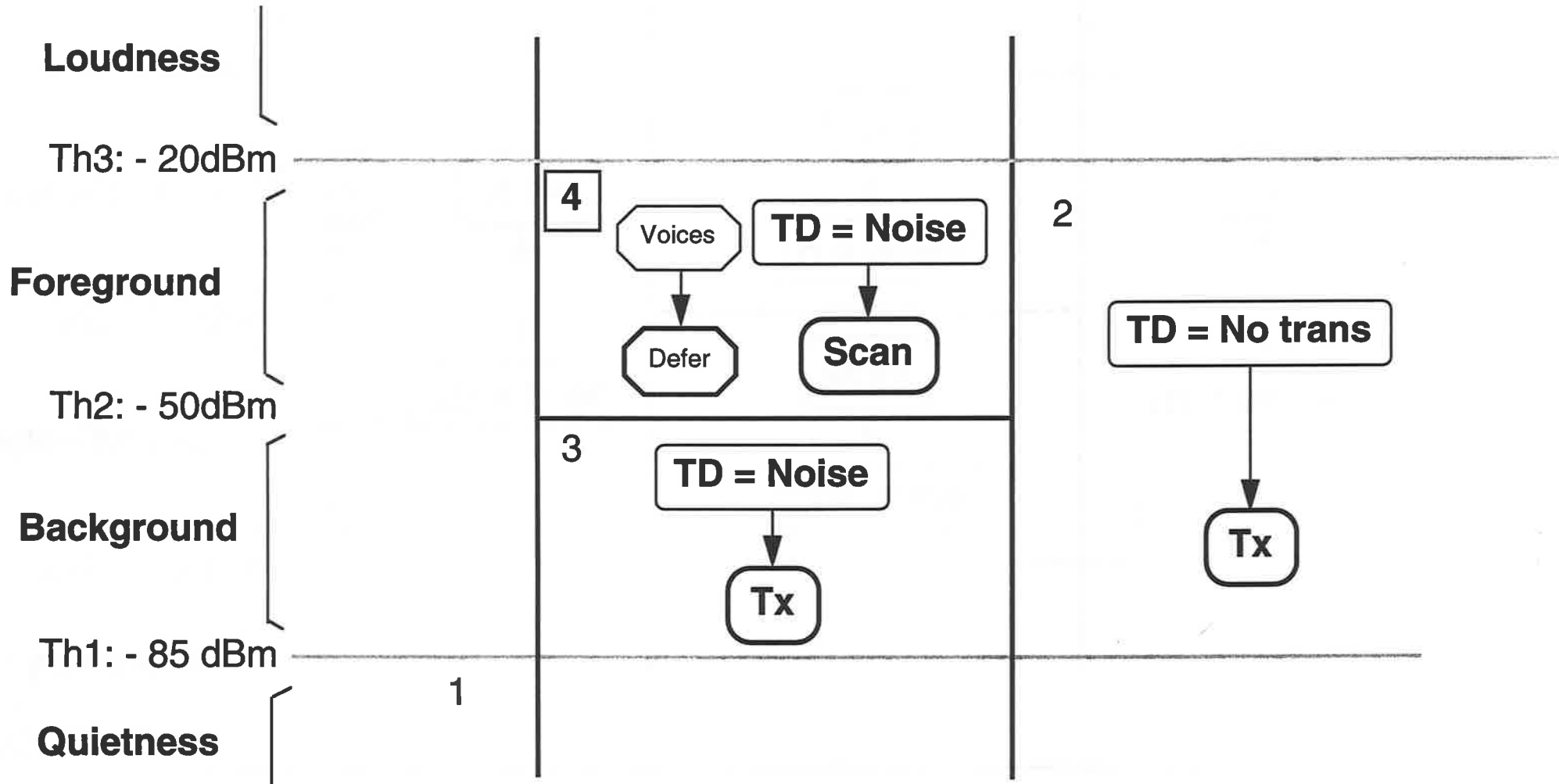


FIG 8 - HUMAN MODEL VS CCA MODEL: CASE #5

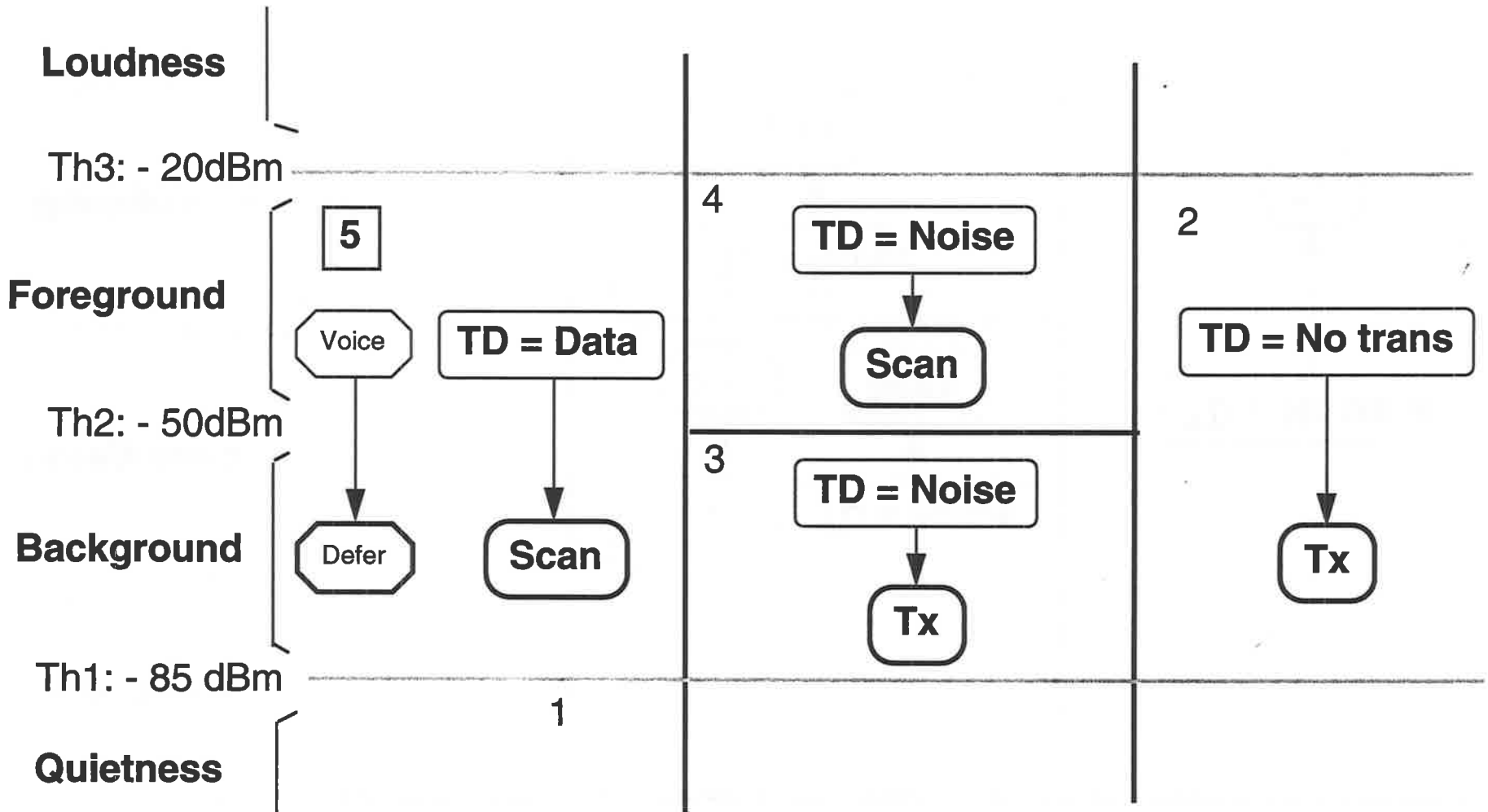


FIG 9 - HUMAN MODEL VS CCA MODEL: CASE #6

