gNB
(FeatureCombination)
(FeatureCombinationPreambles)
...
RO0,SSB0
52
4
8
RACH OCCASION 0,SSB1
52
4
8
RO2,SSB0
52
4
8
RACH OCCASION 2,SSB1
52
4
8
RO1,SSB0
52
4
8
RACH OCCASION 1,SSB1
52
4
8
RO3,SSB0
52
4
8
RACH OCCASION 3,SSB1
52
4
8
RRC
RRC Event
Configuration
Unsuccessful Random Access Procedure (RLF)
False
If msg1-rep capable UE
True
Msg1-rep attempt
(FeatureCombination)
MAC
perform the Random Access Resource selection procedure 38.321 chapter 5.1.2
Transmit preamble
Wait for RAR
No RAR
Increment PREAMBLE_TRANSMISSION _COUNTER by 1
If preambleTransMax reached?
True
Random Access procedure unsuccessfully completed
False
If msg1-rep
True
False
Random backoff time
If preambleTransMax-CE reached?
True
False
Increase multiple PRACH transmissions