Table 1 Simulation parameters

Table 1 Similarion parameters			
3GPP TS 38.101 Clause 5.2.3.1.1 Test 4-1			
No precoding, same information bit payload and binary channel			
its for every slot			
Floating point			
Perfect			
<u> </u>			
LMMSE			
Belief propagation with 12 iterations			

Table 2 Required SNR (dB) at 70% of the maximum throughput

Modulation schemes and correlation matrix configurations	Low	Medium-A	Medium	High	Simulation duration (10 ms)
QPSK	5.4	22.5	34.4	_37	100
16QAM	13.5				50_
64QAM	18.6	<u>-</u>	<u> </u>	<u> </u>	10_
256QAM	22.2	-	F_ 1	F_ 1	10
Note			_ J		_

An advanced receiver is tested for an sample case of 16QAM and low correlation. Substantial gain is observed. So, there is a great chance the coding is right, and needs to be carefully reviewed.