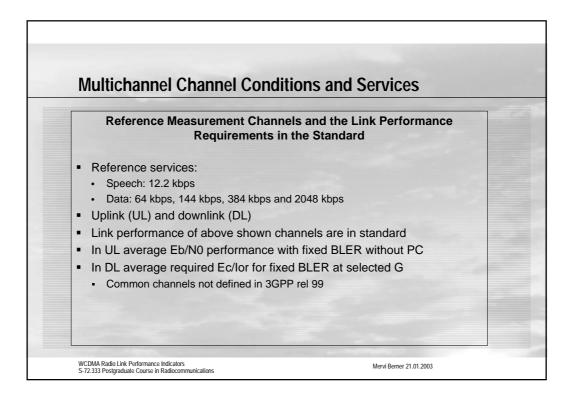
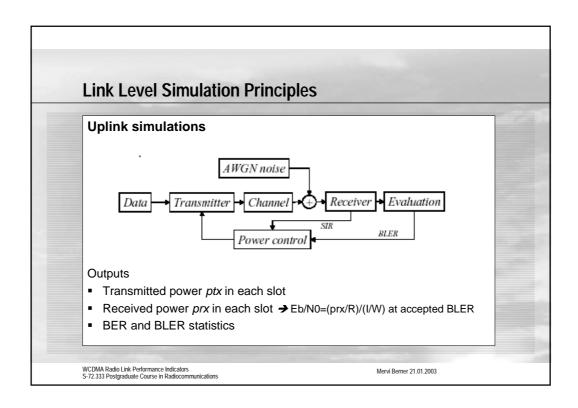
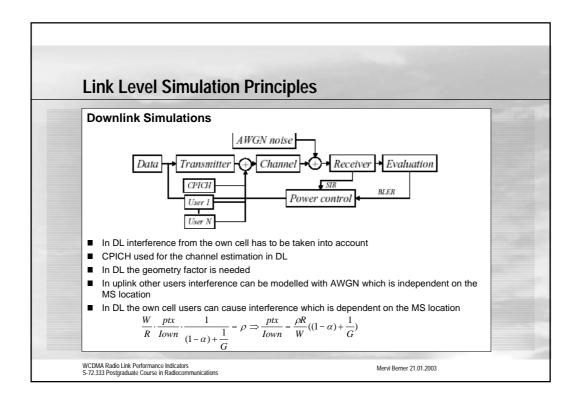
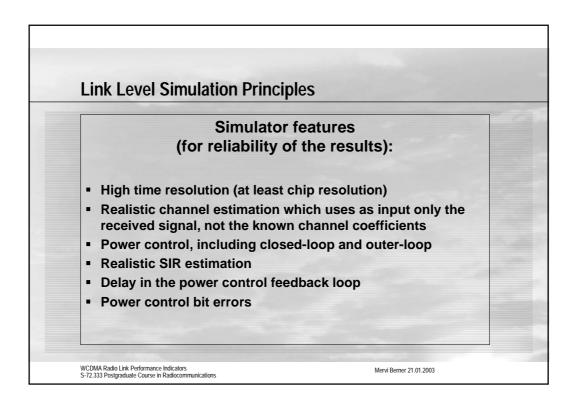


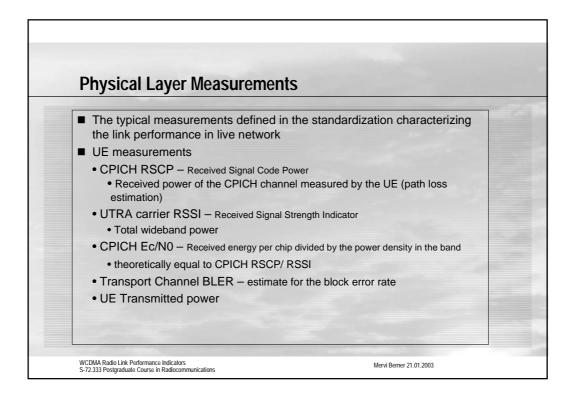
Multichannel Channel Conditions and Services		
3GPP Multipath Channel Models		
 MS and BS performance tests defin 	ed in specifications	
 The main performance indicators (li 	ke Eb/N0) are dependent on the	
propagation channel conditions		
Well defined radio channel models		
Example of one 3GPP model:		
• MS speed 3 km/h,		
 tap1: relative delay 0 ns and average 		
tap2: relative delay 976 ns and ave	erage tap power –10 dB	
ITU Multipath Models		
 Similar models like 3GPP 		
 Models: 	Contraction of the second second	
IndoorA, IndoorB		
 'Outdoor-to-indoor and pedestrian 	'A, 'Outdoor-to-indoor and pedestrian'B	
VehicularA, VehicularB	· ·	
WCDMA Radio Link Performance Indicators	Mervi Berner 21 01 2003	











Physical Layer Measurements		
		UTRAN measurements
 RSSI - received total w 	ideband power	
 SIR - Signal to interfere 	nce ratio	
 Definition: (RSCP/IS0 	CP)*SF, where	
	d Signal Code Power on the DPCCH channel in question	
	ce Signal Code Power on the DPCCH i.e. Received total nce) of the uplink quadrature channel	
•	ng factor on the DPCCH (=256)	
 SIRerror 		
	SIR and SIR target in the closed loop PC	
 Transmitted carrier point 		
 Ratio between the to power of the base state 	tal transmitted power and the maximum transmission	
 Transmitted code pow 		
	3S) of one code channel	
 Transport Channel BI 	ER	
 Physical Channer BE 	R (=Raw BER)	