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![](_page_12_Figure_0.jpeg)

A Data			1						0							1					1			
A Codeword	0	1	0	0	1	1	0	1	0	0	1	1	0	1	0	0	1	1	0	1	0	0	1	1
oata⊕Code A Signal	1	0	1	1	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	1	1	0	0
B Data			C	)					0							1					C			
B Codeword	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
Data⊕Code B Signal	1	0	1	0	1	0	1	0	1	0	1	0	0	1	0	1	0	1	1	0	1	0	1	0
Гransmitted А+В Signal																								

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Qualcor	nm IS-95 Systems
Pa	arameters for IS-95B System
Modulation	QPSK/O-QPSK
Chip rate	1.288 Mc/s
Channel rate	1.2, 2.4, 4.8, 9.6 kb/s (RS-1) 1.8, 3.6, 7.2, 14.4 kb/s (RS-2)
Filtered BW	1.25 MHz
Coding	1/2 (1/3) convolutional code for downlink (uplink) Viterbi decoding for both
Interleaving	With 20 ms spans
Power control	Open-loop, closed-loop (800 b/s) control
Vocoder	Variable rate $\sim$ 1- 8 kb/s
Receiver	RAKE – take advantage of multipath
11/16/2006	Dr. Ashraf S. Hasan Mahmoud 38

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