

Appendix

Table 1
Upper and Lower Limits of the Decision Threshold

E_b/N_0 [dB]	P_e	$n = 160, m=160$		$n = 128, m=192$		$n = 64, m=256$	
		d_{max_low} ($k=4, 6, 10, 15$)	d_{max_high} ($k=4, 5, 10, 20$)	d_{max_low} ($k=4, 6, 10, 15$)	d_{max_high} ($k=4, 5, 10, 20$)	d_{max_low} ($k=4, 6, 10, 15$)	d_{max_high} ($k=4, 5, 10, 20$)
1	0.036	11, 15, 22, 29	56, 52, 40, 23	7, 12, 19, 25	42, 39, 28, 14	0, 6, 12, 17	16, 14, 7, -
1.5	0.0234	10, 13, 19, 25	56, 52, 40, 23	8, 11, 17, 22	42, 39, 28, 14	4, 7, 11, 16	16, 14, 7, -
2	0.0149	8, 11, 16, 21	56, 52, 40, 23	7, 10, 14, 19	42, 39, 28, 14	4, 7, 10, 14	16, 14, 7, -
2.5	0.00681	6, 8, 12, 16	56, 53, 40, 23	4, 7, 11, 15	43, 40, 28, 14	4, 5, 9, 12	17, 14, 7, -
3	0.00376	5, 7, 10, 14	57, 53, 40, 24	4, 6, 9, 13	43, 40, 29, 14	3, 5, 7, 10	17, 15, 7, -
3.5	0.00142	3, 5, 7, 10	58, 55, 41, 24	3, 5, 7, 10	44, 41, 29, 14	2, 4, 6, 8	18, 15, 8, -
4	0.00037	2, 3, 5, 8	61, 57, 42, 25	2, 3, 5, 7	46, 43, 30, 15	2, 3, 4, 6	19, 16, 8, -
4.5	0.00024	2, 3, 5, 7	61, 57, 43, 25	2, 3, 5, 7	47, 43, 31, 15	2, 2, 4, 6	19, 17, 8, -
5	0.00012	2, 3, 4, 6	63, 58, 43, 26	2, 2, 4, 6	48, 44, 31, 16	1, 2, 4, 5	20, 18, 9, -