Table 4. a: 234GHz line

(N_u, J_u)	(N_l, J_l)	a_0	(N_u, J_u)	(N_l, J_l)	a_0	(N_u, J_u)	(N_l, J_l)	a_0
(1, 0)	(0, 1)	6.5(-12)	(4, 3)	(1, 0)	2.7(-12)	(5, 5)	(2, 2)	6.4(-12)
(1, 1)	(0, 1)	9.9(-12)		(2, 3)	2.5(-12)		(2, 1)	2.0(-12)
	(1, 2)	1.0(-11)		(2, 2)	3.9(-12)		(3, 4)	3.2(-12)
(1, 2)	(0, 1)	9.5(-12)		(2, 1)	7.9(-12)		(3, 3)	1.5(-11)
	(1, 0)	2.4(-12)		(3, 4)	1.4(-12)		(3, 2)	1.7(-12)
(2, 1)	(0, 1)	6.5(-12)		(3, 3)	5.2(-12)		(4, 5)	3.6(-12)
	(1, 2)	4.8(-12)		(3, 2)	1.6(-11)		(4, 4)	1.7(-11)
	(1, 1)	6.3(-12)	(4, 4)	(0, 1)	2.7(-12)		(4, 3)	2.6(-12)
	(1, 0)	6.0(-12)		(1, 2)	3.5(-12)		(5, 6)	5.0(-12)
(2, 2)	(0, 1)	5.6(-12)		(1, 1)	4.8(-12)		(5, 4)	4.6(-12)
	(1, 2)	7.9(-12)		(2, 3)	4.0(-12)	(5, 6)	(0, 1)	2.5(-12)
	(1, 1)	1.1(-11)		(2, 2)	9.4(-12)		(1, 2)	4.1(-12)
	(2, 3)	7.8(-12)		(2, 1)	2.2(-12)		(1, 1)	5.7(-13)
	(2, 1)	2.2(-12)		(3, 4)	3.9(-12)		(1, 0)	3.5(-13)
(2, 3)	(0, 1)	9.0(-12)		(3, 3)	1.6(-11)		(2, 3)	8.4(-12)
	(1, 2)	1.3(-11)		(3, 2)	2.4(-12)		(2, 2)	1.0(-12)
	(1, 1)	2.6(-12)		(4, 5)	4.8(-12)		(2, 1)	4.4(-13)
	(1, 0)	1.7(-12)		(4, 3)	3.8(-12)		(3, 4)	1.5(-11)
	(2, 1)	2.0(-12)	(4, 5)	(0, 1)	3.7(-12)		(3, 3)	1.5(-12)
(3, 2)	(0, 1)	3.1(-12)		(1, 2)	6.7(-12)		(3, 2)	4.1(-13)
	(1, 2)	4.0(-12)		(1, 1)	1.1(-12)		(4, 5)	2.3(-11)
	(1, 1)	4.0(-12)		(1, 0)	6.5(-13)		(4, 4)	1.9(-12)
	(1, 0)	3.8(-12)		(2, 3)	1.2(-11)		(4, 3)	6.0(-13)
	(2, 3)	3.1(-12)		(2, 2)	1.6(-12)		(5, 4)	4.8(-13)
	(2, 2)	5.8(-12)		(2, 1)	6.8(-13)	(6, 5)	(0, 1)	1.3(-12)
	(2, 1)	1.1(-11)		(3, 4)	2.0(-11)		(1, 2)	9.7(-13)
	(3, 4)	1.5(-12)		(3, 3)	2.1(-12)		(1, 1)	1.2(-12)
(3, 3)	(0, 1)	4.2(-12)		(3, 2)	9.6(-13)		(1, 0)	9.2(-13)
	(1, 2)	4.8(-12)		(4, 3)	9.9(-13)		(2, 3)	9.4(-13)
	(1, 1)	6.8(-12)	(5, 4)	(0, 1)	1.9(-12)		(2, 2)	1.6(-12)
	(2, 3)	5.9(-12)		(1, 2)	1.7(-12)		(2, 1)	2.8(-12)
	(2, 2)	1.2(-11)		(1, 1)	2.0(-12)		(3, 4)	5.9(-13)
	(2, 1)	2.2(-12)		(1, 0)	1.5(-12)		(3, 3)	2.5(-12)
	(3, 4)	4.5(-12)		(2, 3)	1.7(-12)		(3, 2)	8.0(-12)
	(3, 2)	3.0(-12)		(2, 2)	2.8(-12)		(4, 4)	2.8(-12)
(3, 4)	(0, 1)	6.4(-12)		(2, 1)	5.4(-12)		(4, 3)	1.3(-11)
	(1, 2)	9.2(-12)		(3, 4)	1.0(-12)		(5, 5)	4.1(-12)
	(1, 1)	1.6(-12)		(3, 3)	3.8(-12)		(5, 4)	3.6(-11)
	(1, 0)	9,4(-13)		(3, 2)	1.2(-11)	(6, 6)	(0, 1)	6.6(-13)
	(2, 3)	1.7(-11)		(4, 4)	4.7(-12)		(1, 2)	1.3(-12)
	(2, 2)	2.2(-12)		(4, 3)	2.1(-11)		(1, 1)	1.7(-12)
	(2, 1)	1.3(-12)	(5, 5)	(0, 1)	1.7(-12)		(2, 3)	1.6(-12)
(4, 3)	(0, 1)	2.5(-12)		(1, 2)	2.1(-12)		(2, 2)	3.4(-12)
	(1, 2)	2.9(-12)		(1, 1)	2.8(-12)		(2, 1)	5.6(-13)
	(1, 1)	3.0(-12)		(2, 3)	2.8(-12)		(3, 4)	2.1(-12)

Table 4. b: 298GHz line

(N_u, J_u)	(N_l, J_l)	a_0	(N_u, J_u)	(N_l, J_l)	a_0	(N_u, J_u)	(N_l, J_l)	a_0
(6, 6)	(3, 3)	8.0(-12)	(7, 7)	(3, 3)	4.0(-12)	(8, 8)	(7, 7)	2.1(-11)
	(3, 2)	9.9(-13)		(3, 2)	2.8(-13)		(7, 6)	2.6(-12)
	(4, 5)	2.4(-12)		(4, 5)	1.4(-12)		(8, 9)	5.0(-12)
	(4, 4)	1.3(-11)		(4, 4)	8.8(-12)		(8, 7)	4.6(-12)
	(4, 3)	1.2(-12)		(5, 6)	1.5(-12)	(8, 9)	(2, 3)	8.7(-13)
	(5, 6)	3.3(-12)		(5, 5)	1.4(-11)		(3, 4)	2.5(-12)
	(5, 5)	1.8(-11)		(5, 4)	7.9(-13)		(4, 5)	5.5(-12)
	(5, 4)	2.7(-12)		(6, 7)	3.2(-12)		(4, 4)	1.2(-13)
	(6, 7)	5.0(-12)		(6, 6)	2.0(-11)		(5, 6)	1.0(-11)
	(6, 5)	4.6(-12)		(6, 5)	2.7(-12)		(5, 5)	3.8(-13)
(6, 7)	(0, 1)	8.7(-13)		(7, 8)	5.0(-12)		(6, 7)	1.6(-11)
	(1, 2)	2.5(-12)		(7, 6)	4.6(-12)		(6, 6)	6.0(-13)
	(1, 1)	3.2(-13)	(7, 8)	(1, 2)	8.7(-13)		(7, 8)	3.4(-11)
	(1, 0)	1.9(-13)		(1, 1)	6.5(-14)		(7, 7)	1.1(-12)
	(2, 3)	4.6(-12)		(1, 0)	3.9(-14)	(9, 8)	(5, 4)	6.5(-12)
	(2, 2)	4.2(-13)		(2, 3)	2.5(-12)		(5, 5)	2.0(-13)
	(2, 1)	2.6(-13)		(2, 1)	8.0(-14)		(6, 6)	7.0(-13)
	(3, 4)	1.0(-11)		(3, 4)	5.0(-12)		(6, 5)	1.1(-11)
	(3, 3)	8.9(-13)		(3, 3)	2.7(-13)		(7, 7)	1.1(-12)
	(3, 2)	2.3(-13)		(3, 2)	4.8(-14)		(7, 6)	1.6(-11)
	(4, 5)	1.5(-11)		(4, 5)	1.0(-11)		(8, 8)	2.5(-12)
	(4, 4)	1.1(-12)		(4, 4)	6.1(-13)		(8, 7)	4.1(-11)
	(4, 3)	2.1(-13)		(4, 3)	2.0(-14)	(9, 9)	(5, 5)	5.2(-12)
	(5, 6)	2.7(-11)		(5, 6)	1.5(-11)		(6, 6)	1.0(-11)
	(5, 5)	1.6(-12)		(5, 5)	7.5(-13)		(7, 8)	1.1(-12)
	(5, 4)	2.4(-13)		(6, 7)	3.1(-11)		(7, 7)	1.6(-11)
(7, 6)	(1, 2)	2.3(-13)		(6, 6)	1.4(-12)		(7, 6)	6.4(-13)
	(1, 1)	4.1(-13)	(8, 7)	(4, 4)	6.5(-13)		(8, 9)	3.0(-12)
	(1, 0)	3.3(-13)		(4, 3)	5.3(-12)		(8, 8)	2.2(-11)
	(2, 3)	1.8(-13)		(5, 5)	9.5(-13)		(8, 7)	2.6(-12)
	(2, 2)	4.5(-13)		(5, 4)	1.0(-11)		(9, 10)	5.0(-12)
	(3, 4)	1.8(-13)		(6, 6)	1.4(-12)		(9, 8)	4.6(-12)
	(3, 3)	1.1(-12)		(6, 5)	1.5(-11)	(9, 10)	(3, 4)	8.7(-13)
	(3, 2)	4.0(-12)		(7, 7)	3.0(-12)		(4, 5)	2.5(-12)
	(4, 4)	1.7(-12)		(7, 6)	3.6(-11)		(5, 6)	5.9(-10)
	(4, 3)	9.2(-12)	(8, 8)	(2, 3)	2.2(-13)		(6, 7)	1.1(-11)
	(5, 5)	1.7(-12)		(3, 4)	5.0(-13)		(6, 6)	3.0(-13)
	(5, 4)	1.4(-11)		(4, 5)	4.5(-13)		(7, 8)	1.7(-11)
	(6, 6)	3.6(-12)		(4, 4)	4.6(-12)		(7, 7)	4.4(-13)
	(6, 5)	3.1(-11)		(5, 6)	7.0(-13)		(8, 9)	3.8(-11)
(7, 7)	(1, 2)	4.4(-13)		(5, 5)	9.6(-12)		(8, 8)	8.5(-13)
	(1, 1)	5.4(-13)		(6, 7)	1.3(-12)	(10, 9)	(6, 5)	7.8(-12)
	(2, 3)	9.0(-13)		(6, 6)	1.5(-11)		(7, 7)	5.5(-13)
	(2, 2)	4.0(-13)		(6, 5)	7.2(-13)		(7, 6)	1.3(-11)
	(3, 4)	1.0(-12)		(7, 8)	3.1(-12)		(8, 8)	7.0(-13)

Table 4. c: 402GHz line

(N_u, J_u)	(N_l, J_l)	a_0	(N_u, J_u)	(N_l, J_l)	a_0	(N_u, J_u)	(N_l, J_l)	a_0
(10, 9)	(8, 7)	1.7(-11)	(11, 12)	(9, 10)	1.8(-11)		(10, 11)	1.4(-11)
	(9, 9)	1.9(-12)		(10, 11)	4.5(-11)		(11, 12)	2.0(-11)
	(9, 8)	4.6(-11)		(10, 10)	3.5(-13)		(12, 13)	5.2(-11)
(10, 10)	(6, 6)	5.8(-12)	(12, 11)	(8, 7)	1.0(-11)	(14, 13)	(10, 9)	1.3(-11)
	(7, 7)	1.1(-11)		(9, 9)	1.5(-13)		(11, 10)	1.7(-11)
	(8, 9)	1.0(-12)		(9, 8)	1.5(-11)		(12, 11)	2.1(-11)
	(8, 8)	1.7(-11)		(10, 9)	1.9(-11)		(13, 12)	6.6(-11)
	(8, 7)	5.6(-13)		(11, 11)	8.0(-13)	(14, 14)	(10, 10)	8.2(-12)
	(9, 10)	3.0(-12)		(11, 10)	5.6(-11)		(11, 11)	1.3(-11)
	(9, 9)	2.2(-11)	(12, 12)	(8, 8)	7.0(-12)		(12, 13)	6.0(-13)
	(9, 8)	2.5(-12)		(9, 9)	1.2(-11)		(12, 12)	1.9(-11)
	(10, 11)	5.0(-12)		(10, 11)	8.0(-13)		(12, 11)	2.4(-13)
	(10, 9)	4.6(-12)		(10, 10)	1.8(-11)		(13, 14)	2.8(-12)
(10, 11)	(4, 5)	8.7(-13)		(10, 9)	4.0(-13)		(13, 13)	2.4(-11)
	(5, 6)	2.5(-12)		(11, 12)	2.8(-12)		(13, 12)	2.4(-12)
	(6, 7)	6.4(-12)		(11, 11)	2.3(-11)		(14, 15)	5.0(-12)
	(7, 8)	1.2(-11)		(11, 10)	2.5(-12)		(14, 13)	4.6(-12)
	(7, 7)	2.2(-13)		(12, 13)	5.0(-12)	(14, 15)	(8, 9)	8.7(-13)
	(8, 9)	1.7(-11)		(12, 11)	4.6(-12)		(9, 10)	2.5(-12)
	(8, 8)	2.2(-13)	(12, 13)	(6, 7)	8.7(-13)		(10, 11)	8.2(-12)
	(9, 10)	4.1(-11)		(7, 8)	2.5(-12)		(11, 12)	1.4(-11)
	(9, 9)	6.0(-13)		(8, 9)	7.3(-12)		(12, 13)	2.1(-11)
(11, 10)	(7, 6)	9.0(-12)		(9, 10)	1.3(-11)		(13, 14)	5.5(-11)
	(8, 8)	3.5(-13)		(10, 11)	1.9(-11)	(15, 14)	(11, 10)	1.4(-11)
	(8, 7)	1.4(-11)		(11, 12)	4.8(-11)		(12, 11)	1.8(-11)
	(9, 9)	2.9(-13)		(11, 11)	1.0(-13)		(13, 12)	2.2(-11)
	(9, 8)	1.8(-11)	(13, 12)	(9, 8)	1.2(-11)		(14, 13)	7.0(-11)
	(10, 10)	1.3(-12)		(10, 9)	1.6(-11)	(15, 15)	(11, 11)	8.8(-12)
	(10, 9)	5.1(-11)		(11, 10)	2.0(-11)		(12, 12)	1.4(-11)
(11, 11)	(7, 7)	6.4(-12)		(12, 12)	2.5(-13)		(13, 14)	5.0(-13)
	(8, 8)	1.2(-11)		(12, 11)	6.1(-11)		(13, 13)	1.9(-11)
	(9, 10)	9.0(-13)	(13, 13)	(9, 9)	7.6(-12)		(13, 12)	1.6(-13)
	(9, 9)	1.7(-11)		(10, 10)	1.3(-11)		(14, 15)	2.7(-12)
	(9, 8)	4.8(-13)		(11, 12)	7.0(-13)		(14, 14)	2.4(-11)
	(10, 11)	2.9(-12)		(11, 11)	1.8(-11)		(14, 13)	2.3(-12)
	(10, 10)	2.3(-11)		(11, 10)	3.2(-13)		(15, 16)	5.0(-12)
	(10, 9)	2.5(-12)		(12, 13)	2.8(-12)		(15, 14)	4.6(-12)
	(11, 12)	5.0(-12)		(12, 12)	2.4(-11)	(15, 16)	(9, 10)	8.7(-13)
	(11, 10)	4.6(-12)		(12, 11)	2.4(-12)		(10, 11)	2.5(-12)
(11, 12)	(5, 6)	8.7(-13)		(13, 14)	5.0(-12)		(11, 12)	8.6(-12)
	(6, 7)	2.5(-12)		(13, 12)	4.6(-12)		(12, 13)	1.5(-11)
	(7, 8)	6.8(-12)	(13, 14)	(7, 8)	8.7(-13)		(13, 14)	2.2(-11)
	(8, 9)	1.2(-11)		(8, 9)	2.5(-12)		(14, 15)	5.9(-11)
	(8, 8)	1.1(-13)		(9, 10)	7.7(-12)			

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