

**Link****L2/Earth**

Emitter	Emitter	L2	Earth
	Tx Power	5,0	38
	Tx circuit loss	-1,0	0
	Tx antenna gain	10,0	79
	Tx pointing loss	0,0	0
	<b>Total</b>	<b>14,0</b>	<b>117,0</b>
Path	Space loss	-211,0	-211,0
	Athmospheric loss	-0,5	-1,0
	Polarization loss	-1,0	-1,0
	<b>Total</b>	<b>-212,5</b>	<b>-213,0</b>
Receiver	Rx pointing loss	0,0	-3
	Rx antenna gain	37,5	10
	Rx circuit loss	0,0	-1
	<b>Total</b>	<b>37,5</b>	<b>6,0</b>
SNR	Boltzmann	228,6	228,6
	Thermal noise	-24,6	-24,6
	Data rate	-35,5	-35,5
	E/N	-4,4	-4,4
	<b>total</b>	<b>164,1</b>	<b>164,1</b>

**margin****3,1****74,1**