

Contoh pelaporan link budget dengan memasukkan halaman excel ke dalam dokumen:

Link budget untuk downlink dari satelit geostasioner A ke stasiun bumi B di Surabaya adalah seperti di bawah ini. Hasil link budget menunjukkan bahwa dengan antenna stasiun bumi yang berdiameter 10 meter (stasiun bumi besar) maka masih dapat diperoleh power margin 2.7 dB.

C-band Satellite Parameters		
Transponder saturated output power	20,0 Watt	
Antenna on-axis gain	20,0 dB	
Transponder bandwidth	36 MHz	
Downlink frequency band	3.7-4.2 GHz	
FM-TV Analog Signal Parameters		
Bandwidth	30 MHz	
Minimum permitted C/N at Rx	9,5 dB	
Receiving C-band Earth Station		
Frequency	4,0 GHz	
Antenna diameter	10 m	
Antenna aperture efficiency	0,55	
IF bandwidth	30 MHz	
Noise temperature (antenna + Rx)	75,0 K	
Path		
Path length	40000 km	
Elevation angle	20 deg	
Rain attenuation exceeded for 0.01%	1,0 dB	
Effective temperature of rain medium	290,0 K	
Downlink power budget		
Transmit power		13,0 dBW
Transponder output back-off		-2,0 dB
Satellite antenna on-axis gain		20,0 dB
Edge of beam loss		-3,0 dB
Earth station antenna on-axis gain		49,8 dB
Free space path loss		-196,5 dB
Clear air atmospheric loss		-0,2 dB
Rain attenuation exceeded for 0.01%		-1,0 dB
Other losses		-0,5 dB
Received signal power		-120,4 dBW
Downlink noise power budget		
Boltzmann's constant		-228,6 dBW/K/Hz
System noise temperature	75 K	
Extra noise temp due to rain	59,6 K	
Total noise temperature		21,3 dBK
Noise bandwidth		74,8 dBHz
Noise power		-132,5 dBW
C/N at Receiver		
Power Margin		2,7 dB
		OK

Dengan demikian dapat disimpulkan bahwa link budget telah diselesaikan dengan baik.