



TELEPHONE: (352) 472-5500  
(888) 472-2424  
FAX: (352) 472-2030  
E-MAIL: [info@timcoengr.com](mailto:info@timcoengr.com)  
WEBSITE: [www.timcoengr.com](http://www.timcoengr.com)

December 2, 1999

Mr. Greg Czumak  
Federal Communications Commission

Ref: Tellumat (Pty) Limited's FCC ID: ONJMDR2400-THD

Subject: Your Correspondence ID # 10578

Dear Greg:

With reference to the processing gain, the following information is what my customer supplied me with:

The test done is the proper processing gain test; where the ratio of the SNR with the spreading turned off, is compared to the SNR with the spreading on. This is the most accurate and accepted way of determining the processing gain. The test report mentions the change in bandwidth when turning the spreading on and off. This is simply to determine that the action of the test pin on the ASIC, to turn the spreading off, is functioning, and that the bandwidth indeed collapses to the chip rate. The last page of the processing gain clearly shows the SNR meter being used to determine the signal to noise ratio. This test was performed on the Aironet module in the original application and supported by the Aironet test report; which was approved by the FCC.

Should you have any questions or require any further information, please advise.

Regards,

Sharon Hoffman/TIMCO ENGINEERING, INC.