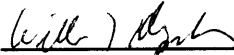


ENGINEERING CERTIFICATE

My name is William N. Klimczak. I am currently the Manager of Electrical Engineering for COMSAT RSI, Inc. ("COMSAT"). I hereby certify that I am technically qualified to be responsible for the technical information submitted in the foregoing "Attenuation Analysis at Sterling, Virginia Plant" ("Attenuation Analysis"). I have reviewed the Attenuation Analysis with a view to its relevance to the current and proposed operations on 1030-1090 MHz at COMSAT's Sterling facility. To the best of my knowledge, the technical information presented in the Attenuation Analysis remains complete and accurate. There have been no changes to the structure located at the Sterling facility, and no structural changes are currently planned, that would alter the results of the Attenuation Analysis. Accordingly, the Attenuation Analysis indicates that within the frequencies of interest there will be a signal attenuation of at least 40 dB in the horizontal direction with the doors open, and at least 45 dB in the vertical direction.

Dated this 16 day of October, 1996.

By: 
William N. Klimczak
Manager of Electrical Engineering
COMSAT RSI, Inc.