APPENDIX C: PATH LOSS DISTRIBUTIONS

Figures C-1 through C-26 show the path loss distributions for a selection of residential and high-rise buildings. In each LOS caption, the free-space path loss is calculated for comparison.

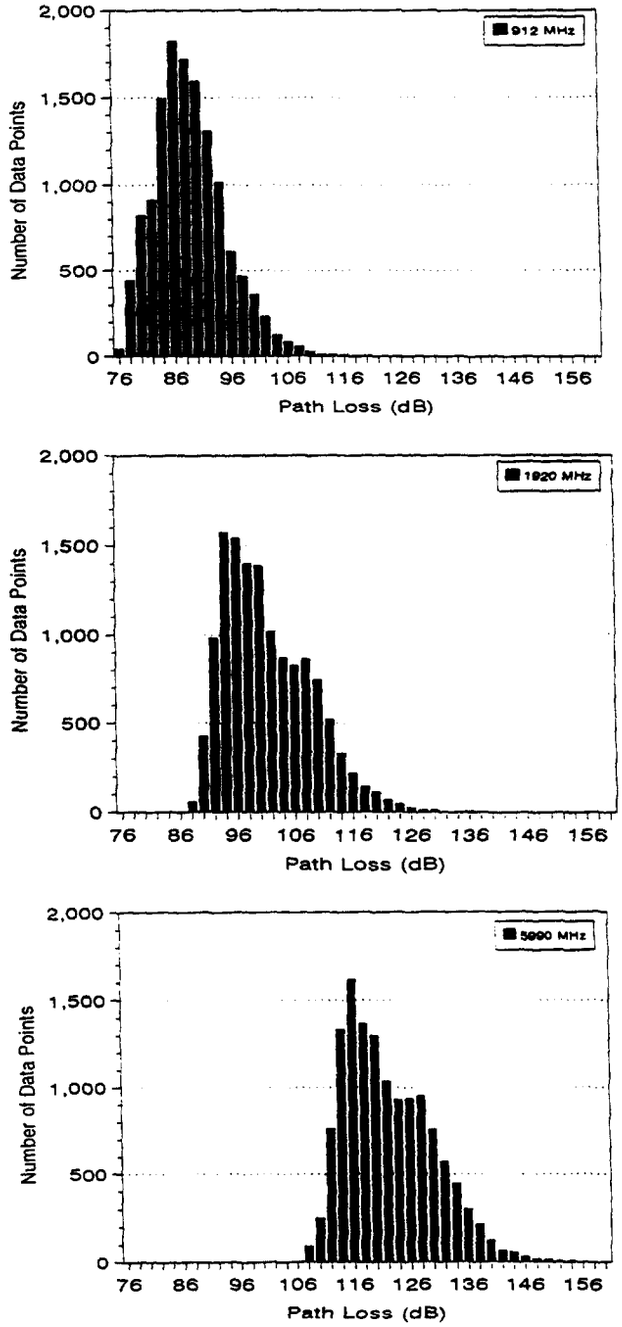

Figure C-1. Path loss distribution for residence 1, LOS. Free-space path loss: 68, 75, and 85 dB at 912, 1920 and 5990 MHz, respectively.

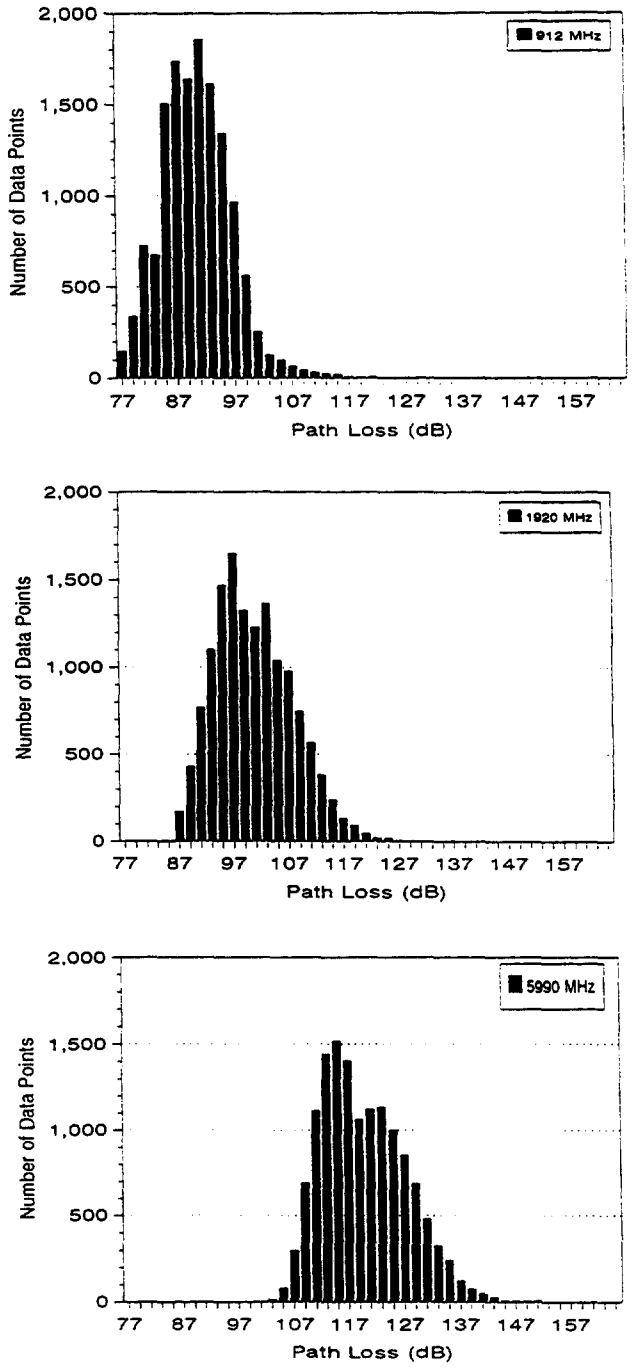

Figure C-2. Path loss distribution for residence 1, NLOS.

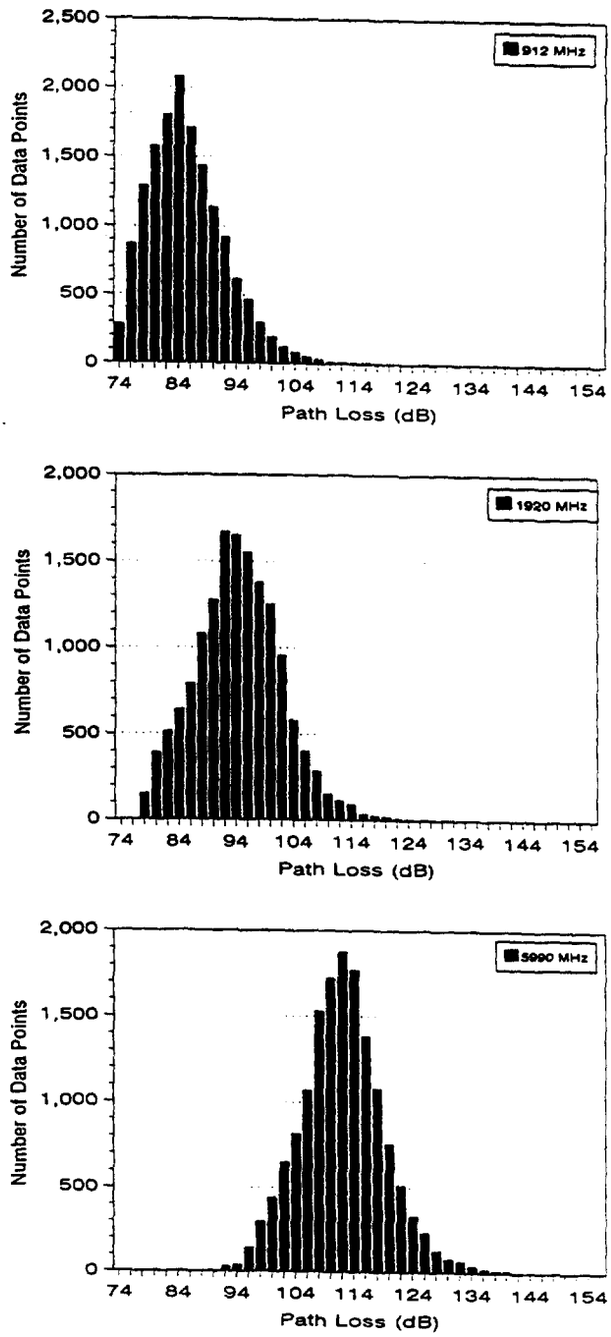

Figure C-3. Path loss distribution for residence 2, LOS. Free space path loss: 71, 77, and 87 dB for 912, 1920 and 5990 MHz, respectively.

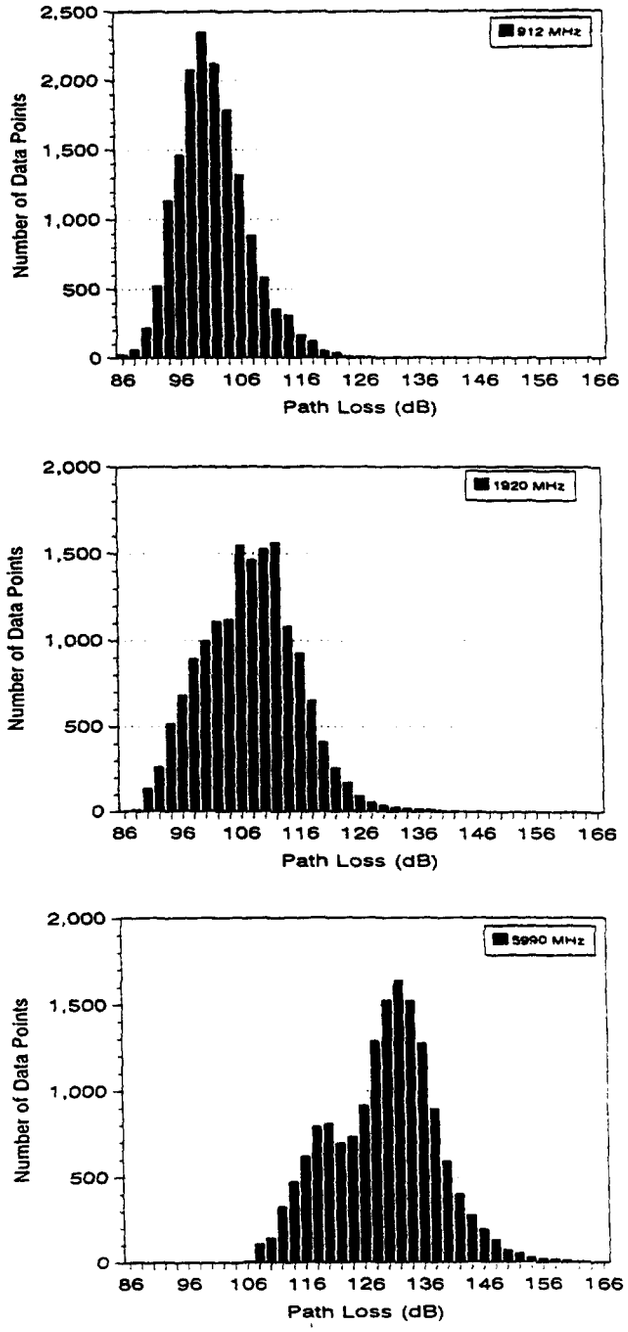

Figure C-4. Path loss distribution for residence 2, NLOS.

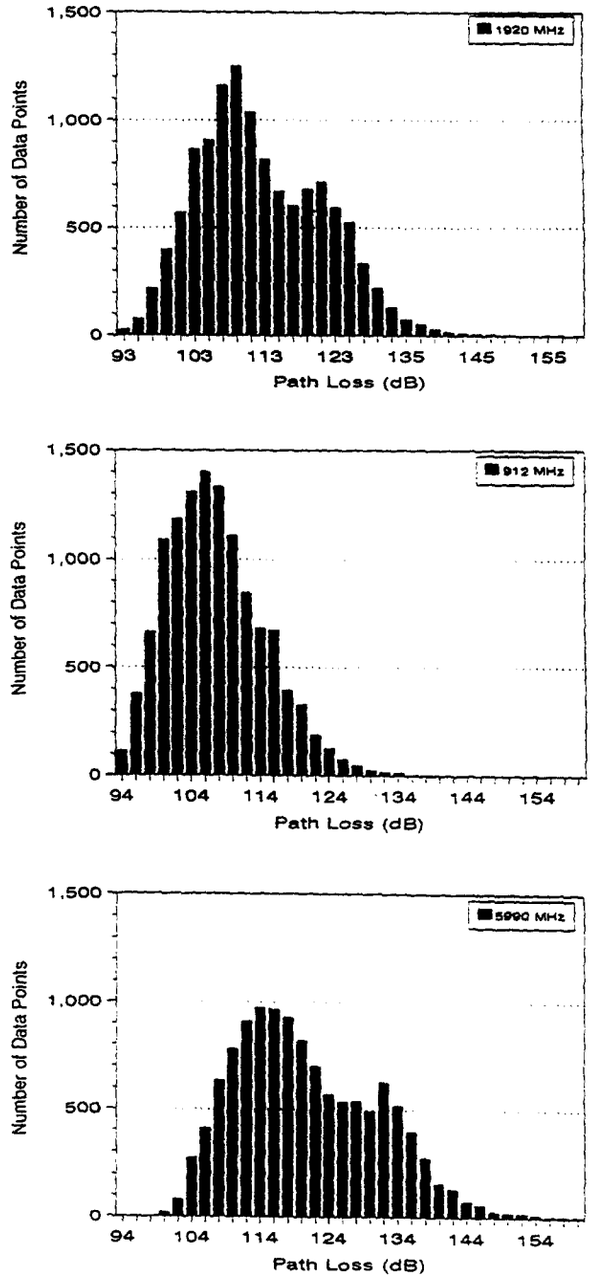

Figure C-5. Path loss distribution for residence 3, LOS. Free-space path loss: 70, 76 and 86 dB for 912, 1920 and 5990 MHz, respectively.

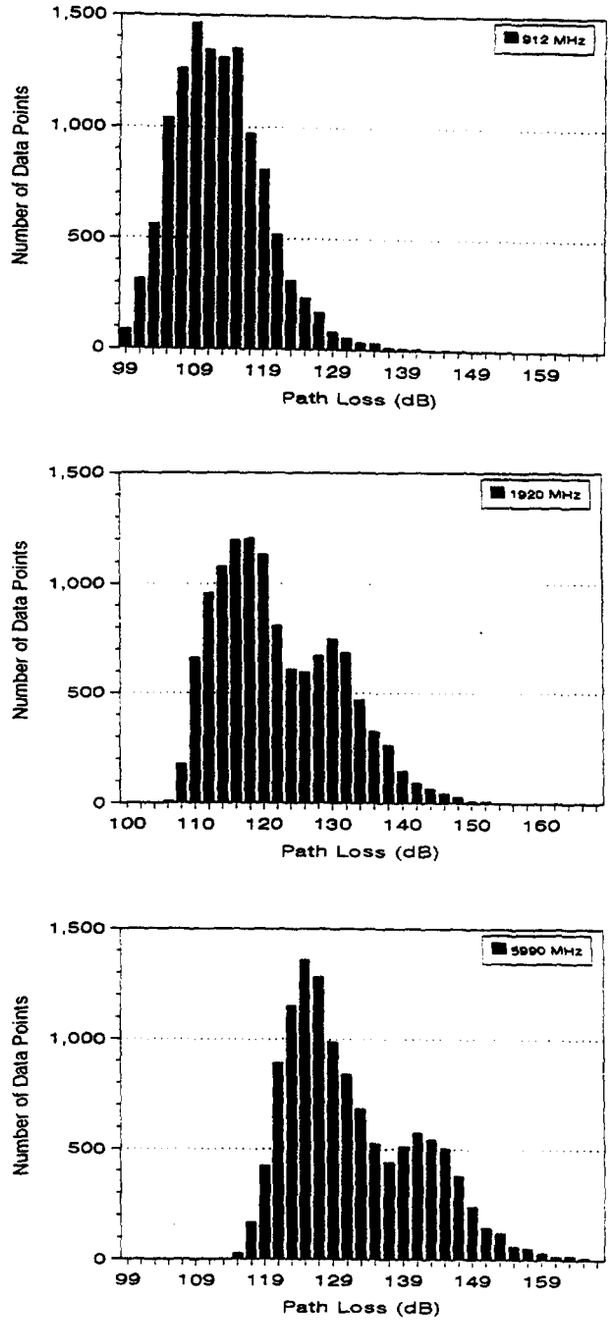

Figure C-6. Path loss distribution for residence 3, NLOS.

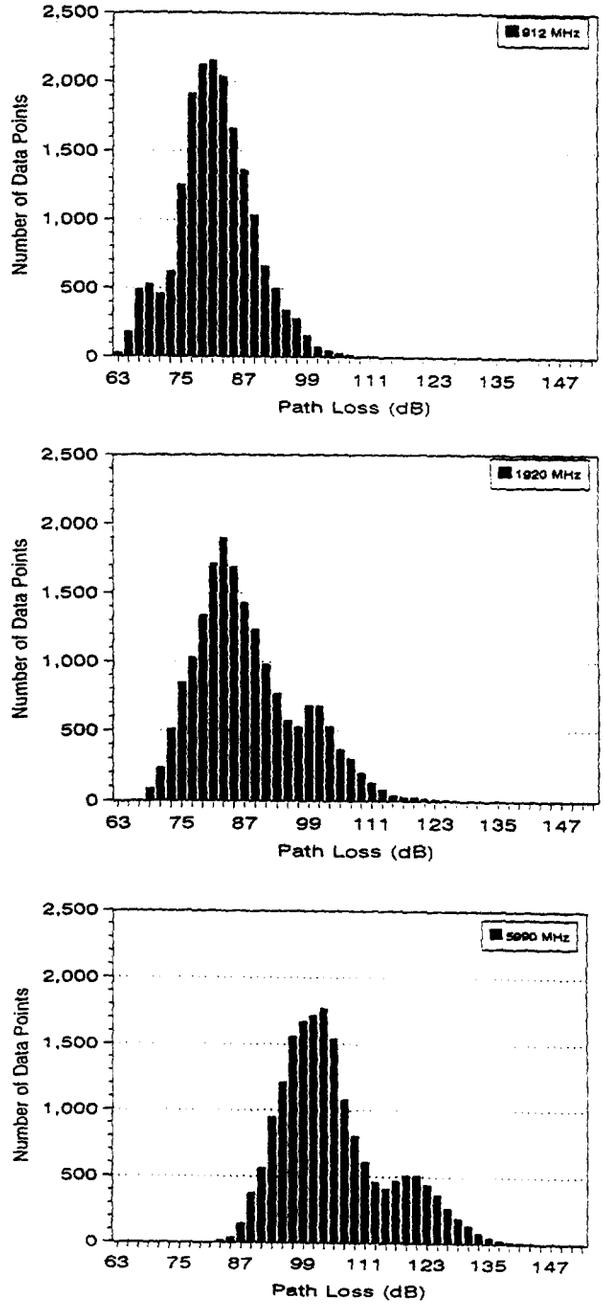

Figure C-7. Path loss distribution for residence 5, LOS. Free-space path loss: 66, 73 and 82 dB at 912, 1920 and 5990 MHz, respectively.

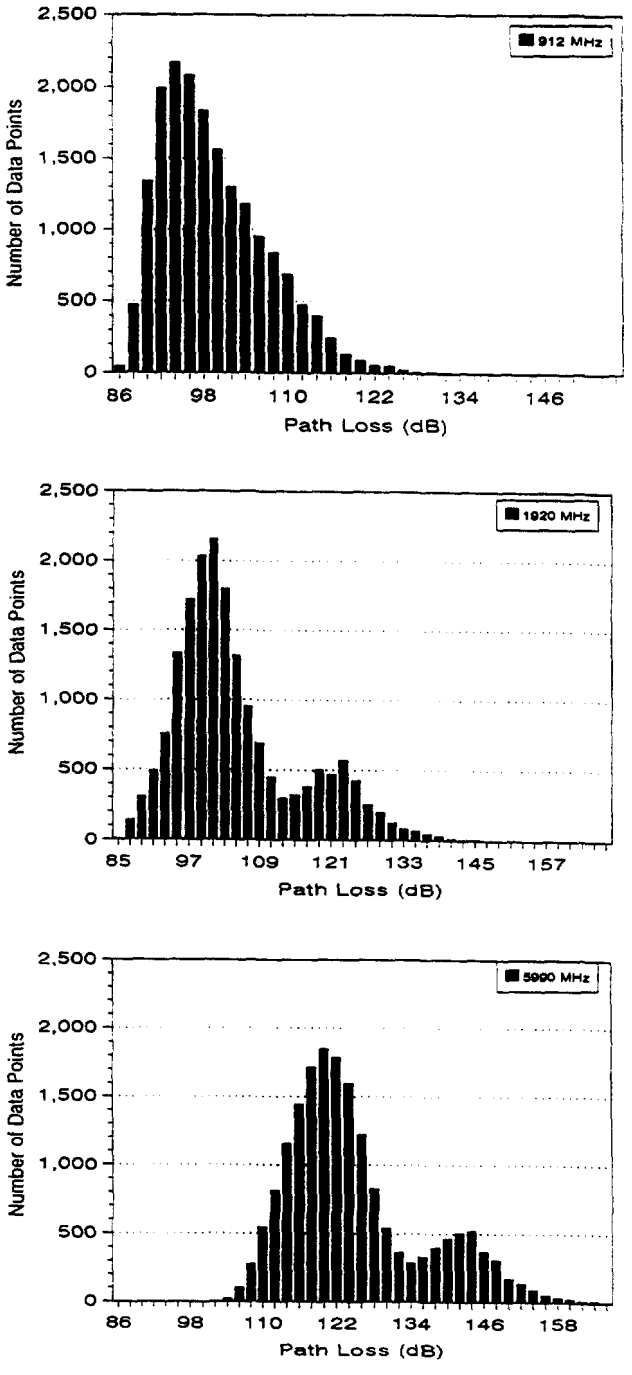

Figure C-8. Path loss distribution for residence 5, NLOS.

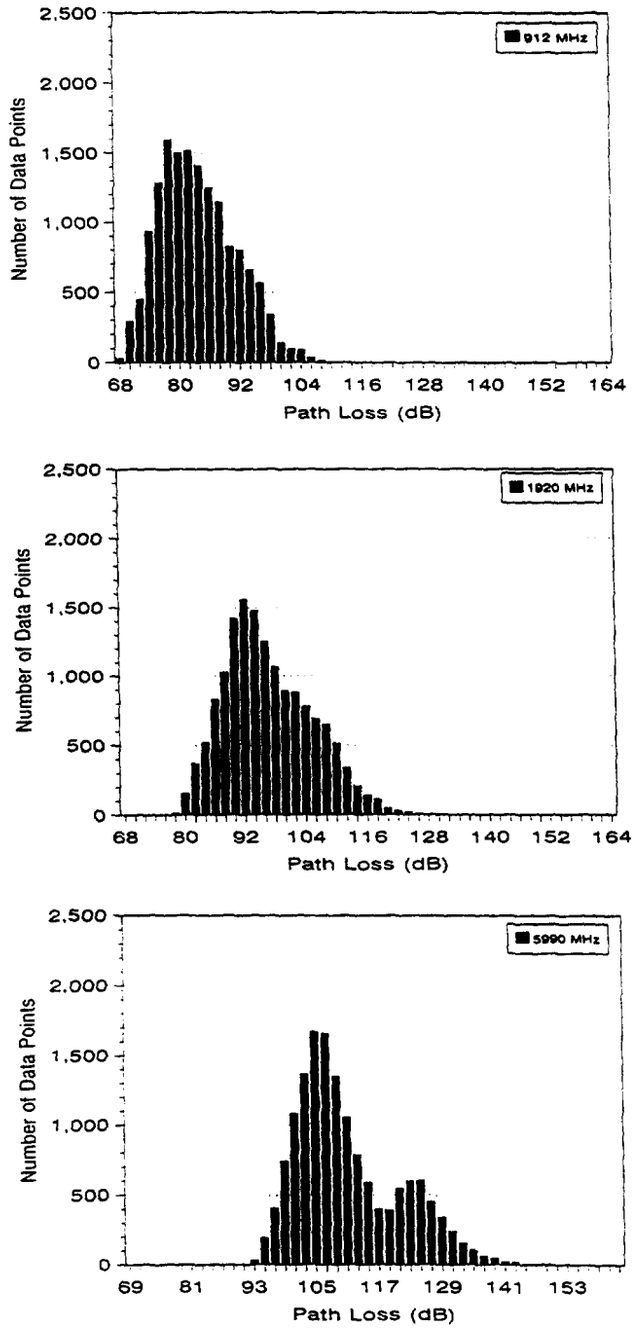

Figure C-9. Path loss distribution for residence 7, LOS. Free-space path loss: 70, 77 and 87 dB at 912, 1920 and 5990 MHz, respectively.

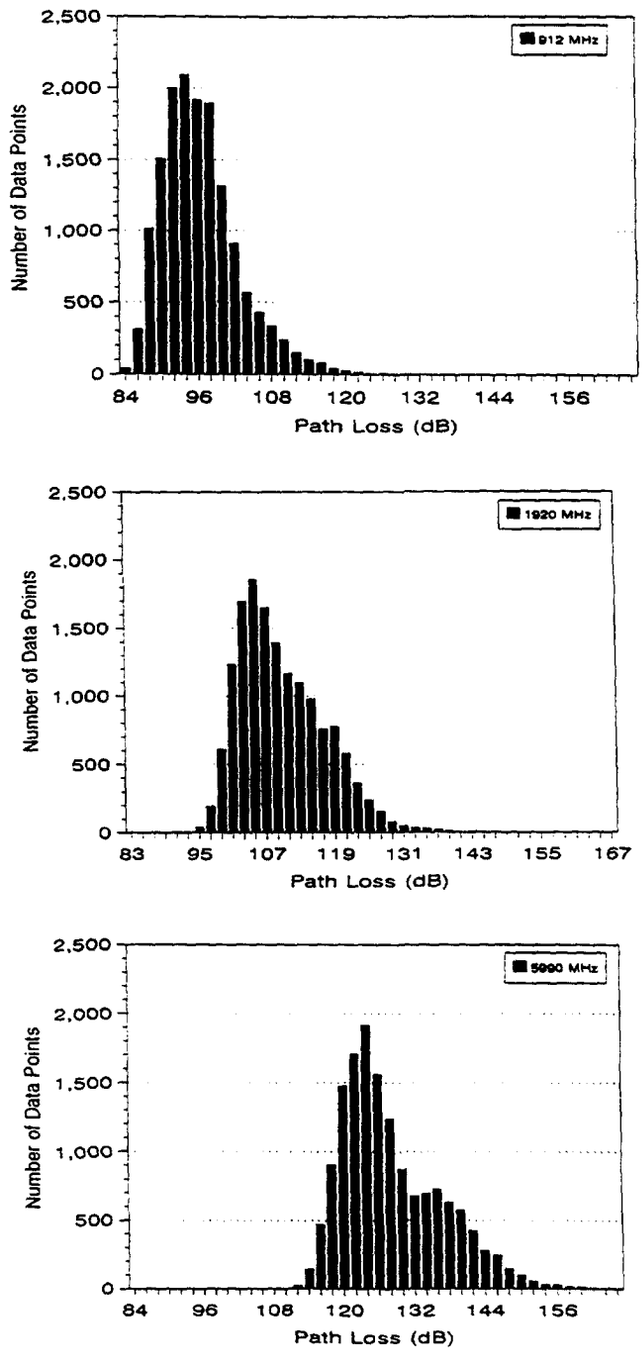

Figure C-10. Path loss distribution for residence 7, NLOS.

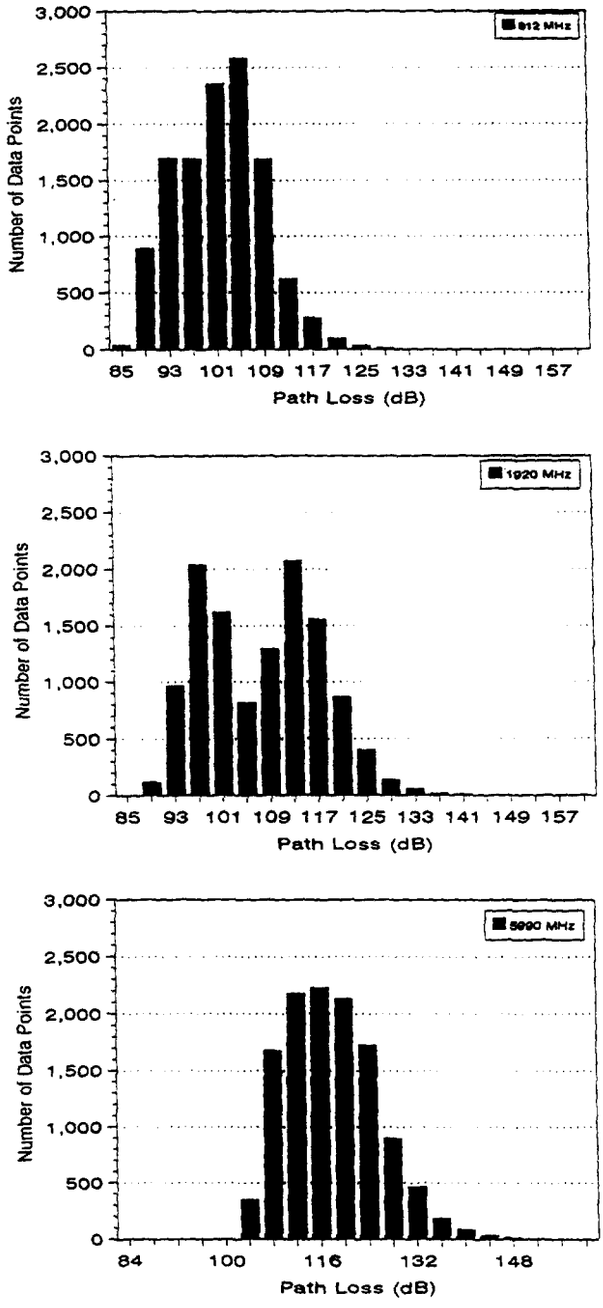

Figure C-11. Path loss distribution for high rise 1, floor 1, LOS. Free-space path loss: 72, 78 and 88 dB at 912, 1920 and 5990 MHz, respectively.

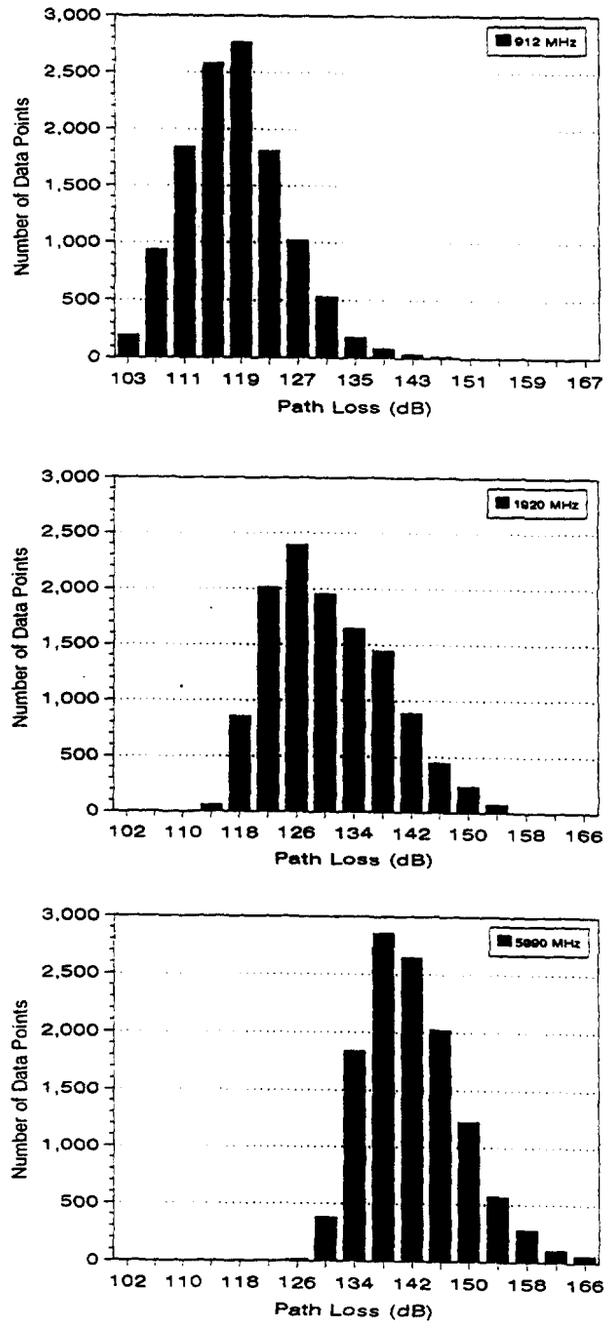

Figure C-12. Path loss distribution for high rise 1, floor 1, NLOS.

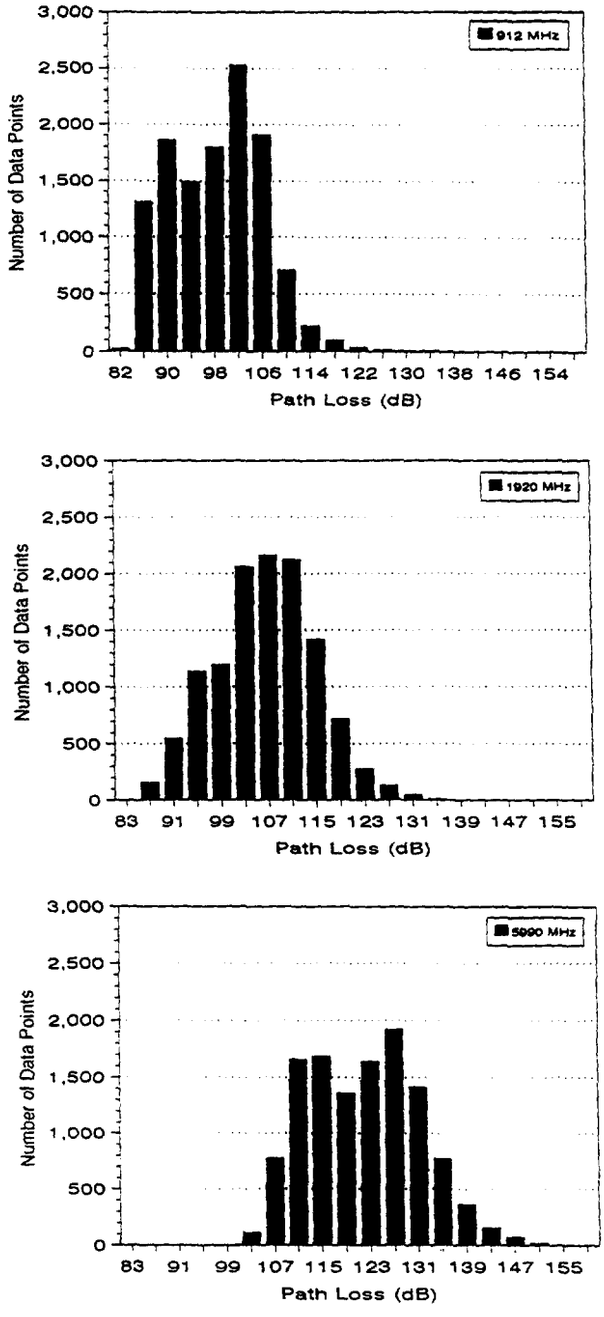

Figure C-13. Path loss distribution for high rise 1, floor 9, LOS. Free-space path loss: 72, 79 and 89 dB at 912, 1920 and 5990 MHz, respectively.

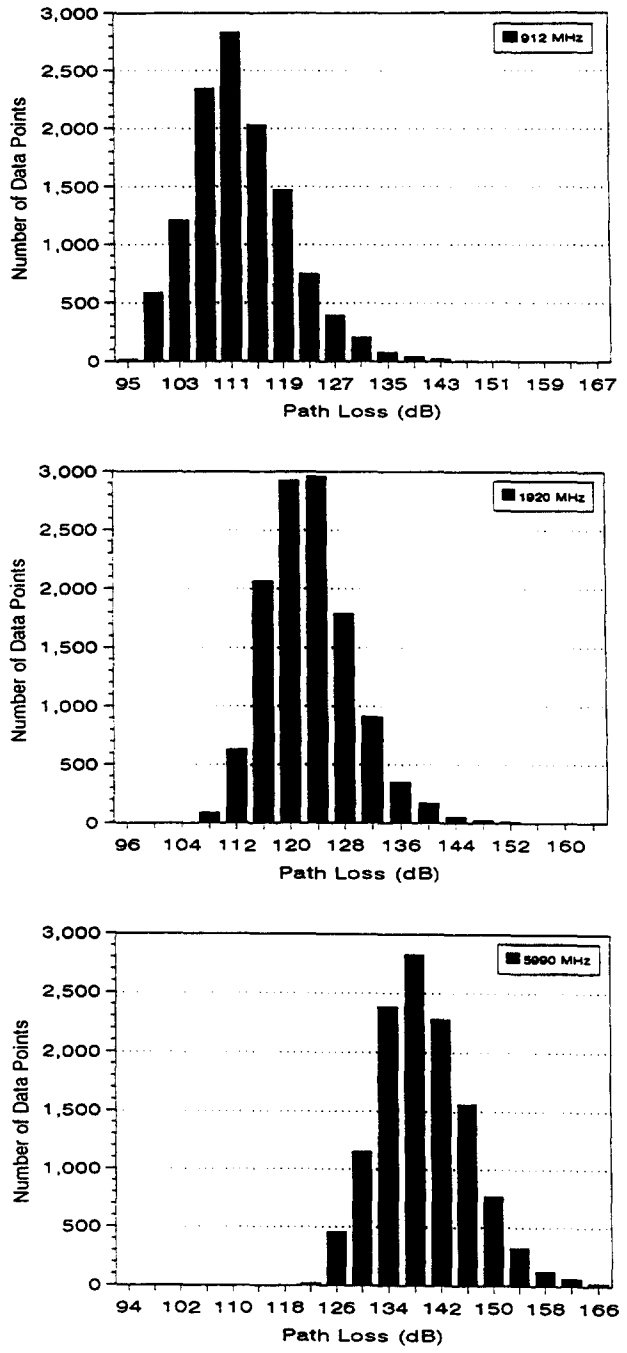

Figure C-14. Path loss distribution for high rise 1, floor 9, NLOS.

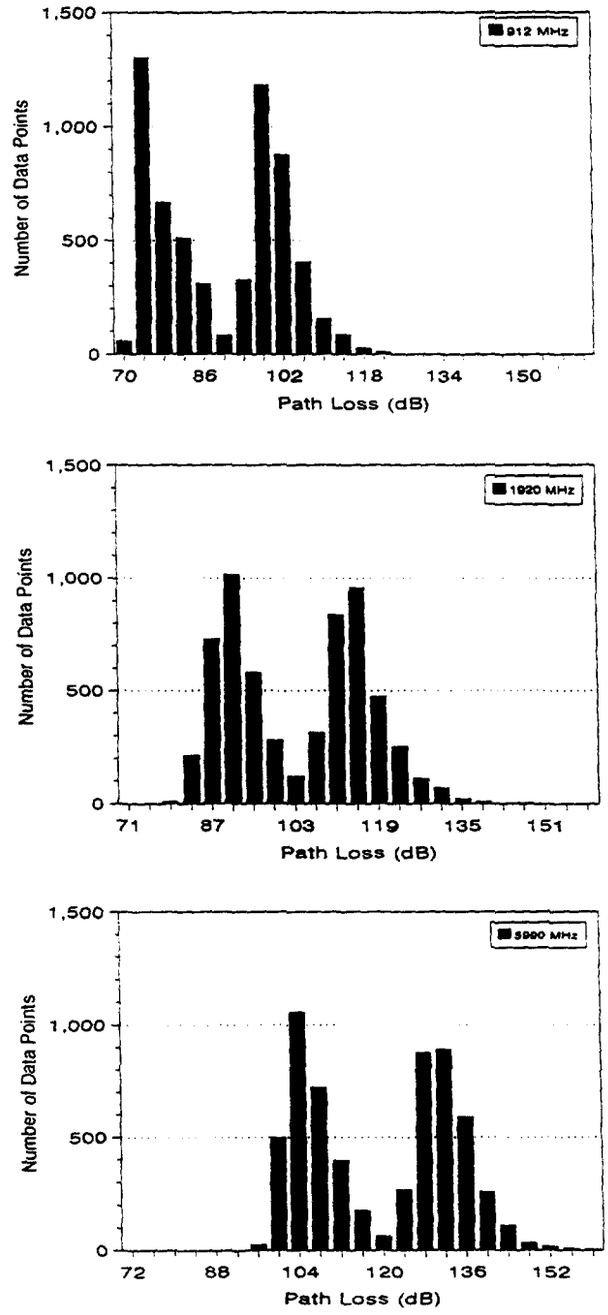

Figure C-15. Path loss distribution for high rise 2, floor 1, LOS. Free-space path loss: 72, 78 and 88 dB at 912, 1920 and 5990 MHz, respectively.

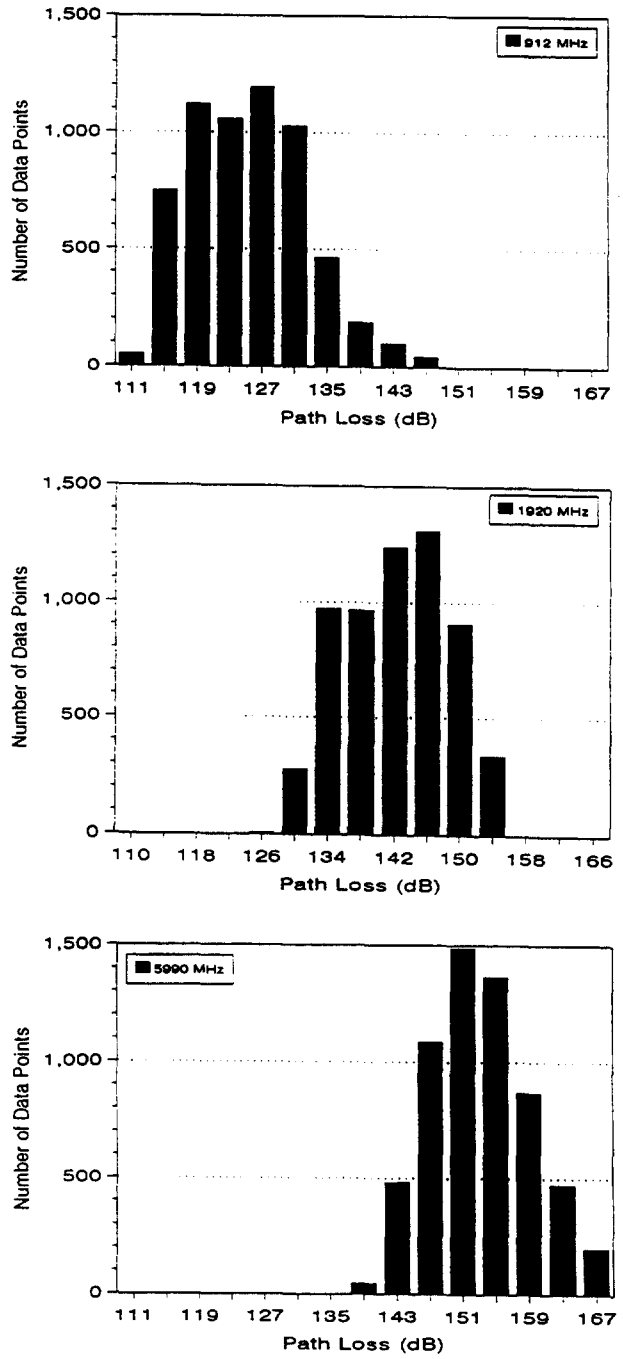

Figure C-16. Path loss distribution for high rise 2, floor 1, NLOS.

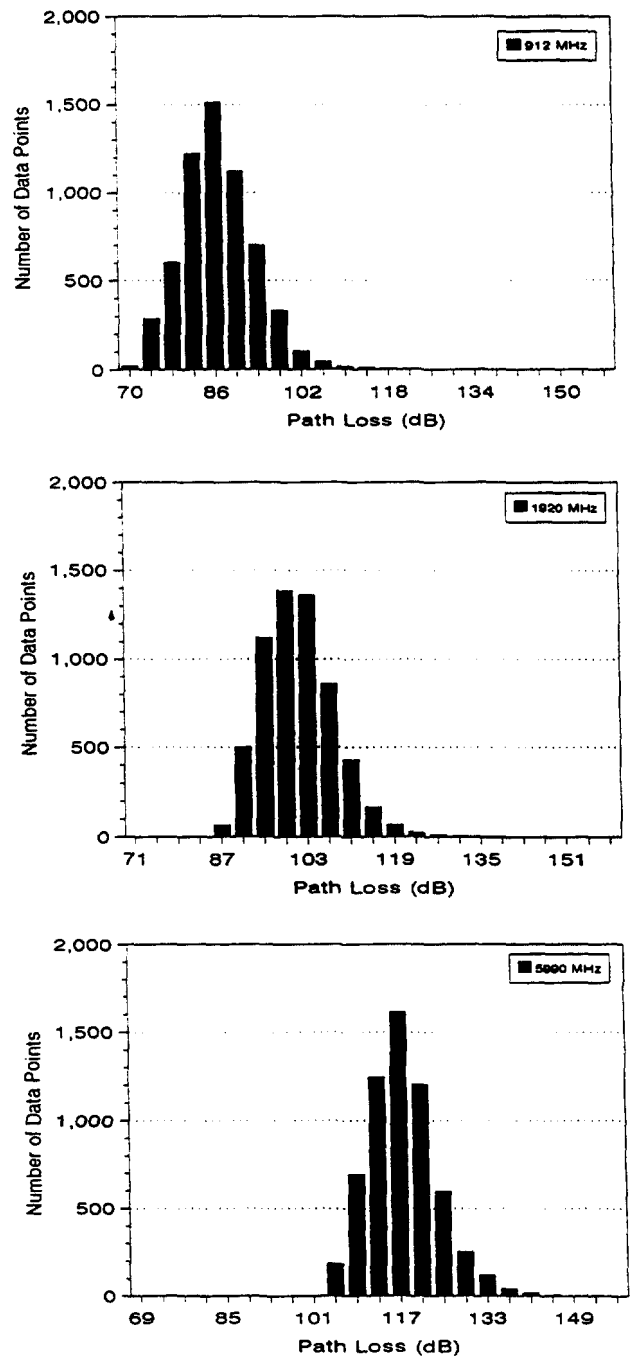

Figure C-17. Path loss distribution for high rise 2, floor 11, LOS. Free-space path loss: 75, 81 and 91 at 912, 1920 and 5990 MHz, respectively.

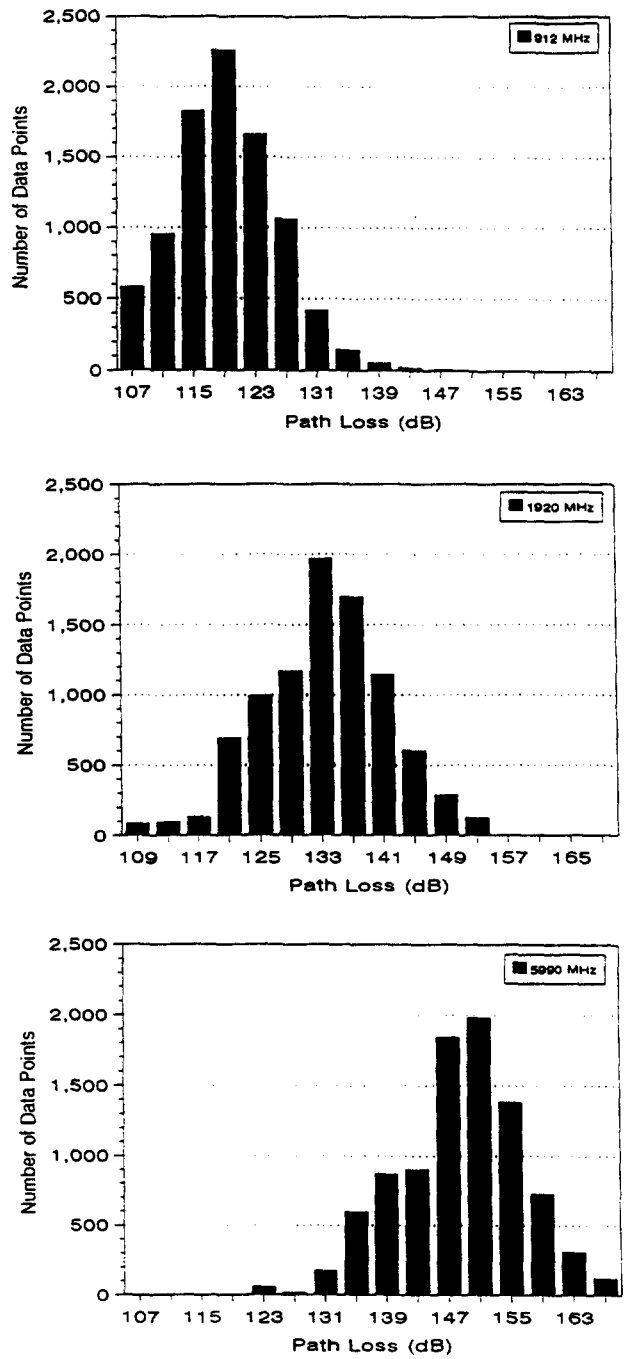

Figure C-18. Path loss distribution for high rise 2, floor 11, NLOS.

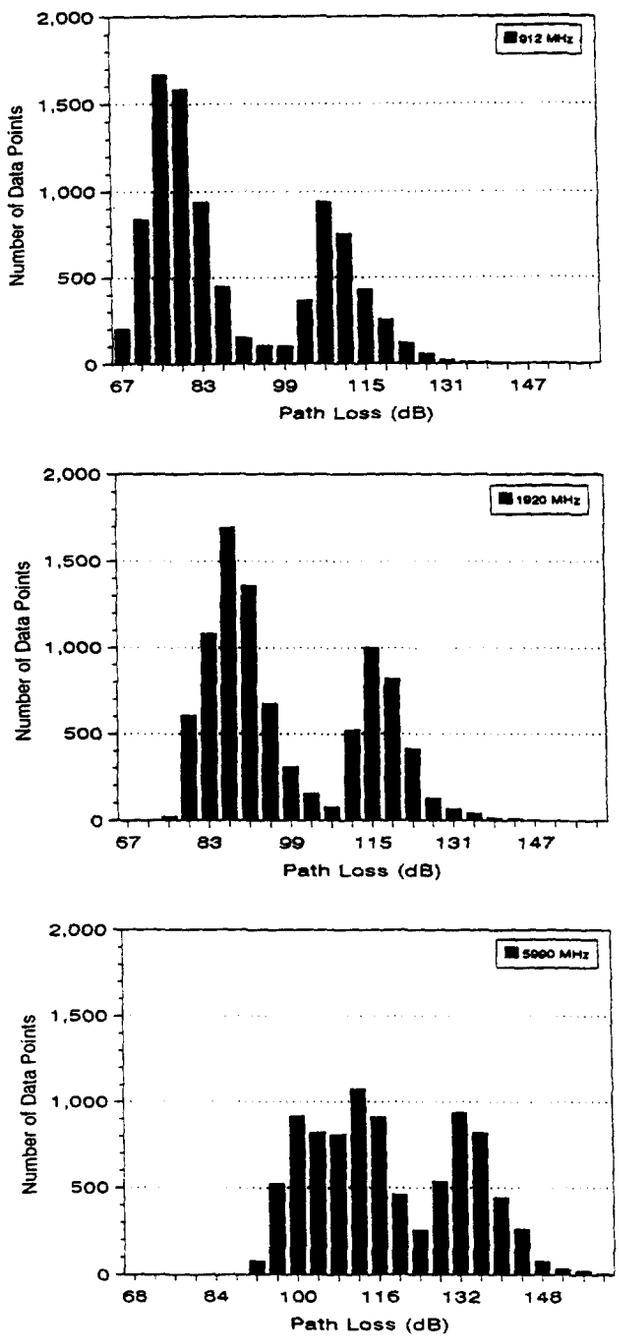

Figure C-19. Path loss distribution for high rise 3, floor 1, LOS. Free-space path loss: 69, 76 and 86 dB at 912, 1920 and 5990 MHz, respectively.

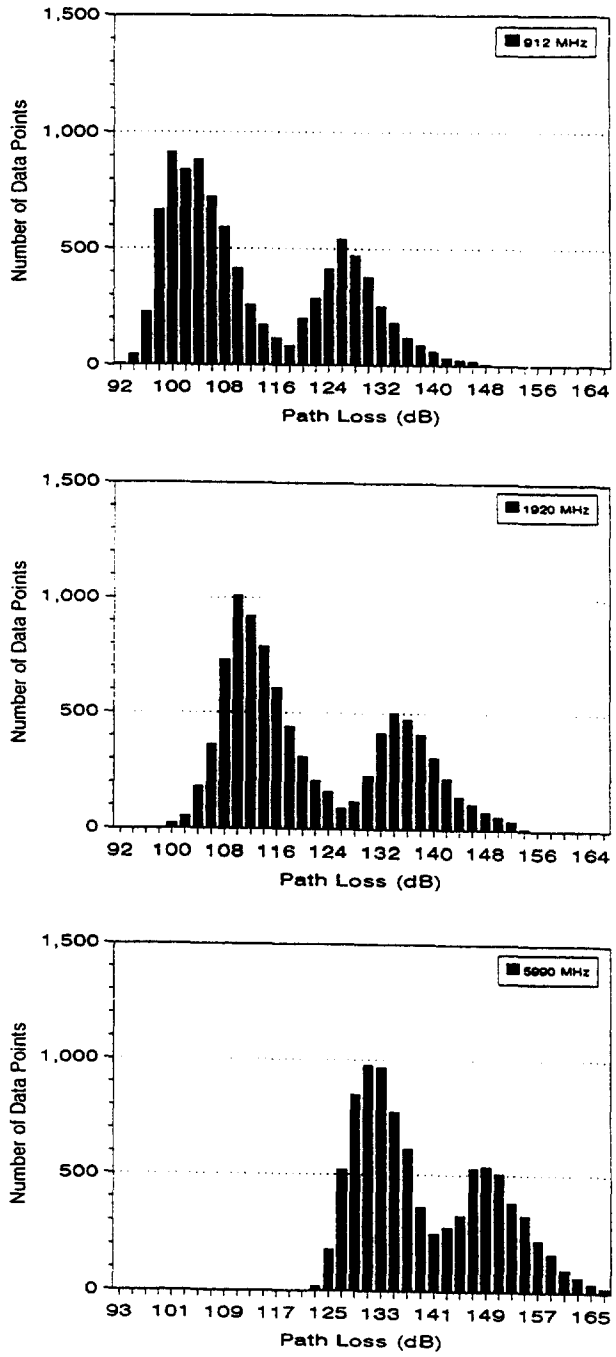

Figure C-20. Path loss distribution for high rise 3, floor 1, NLOS.

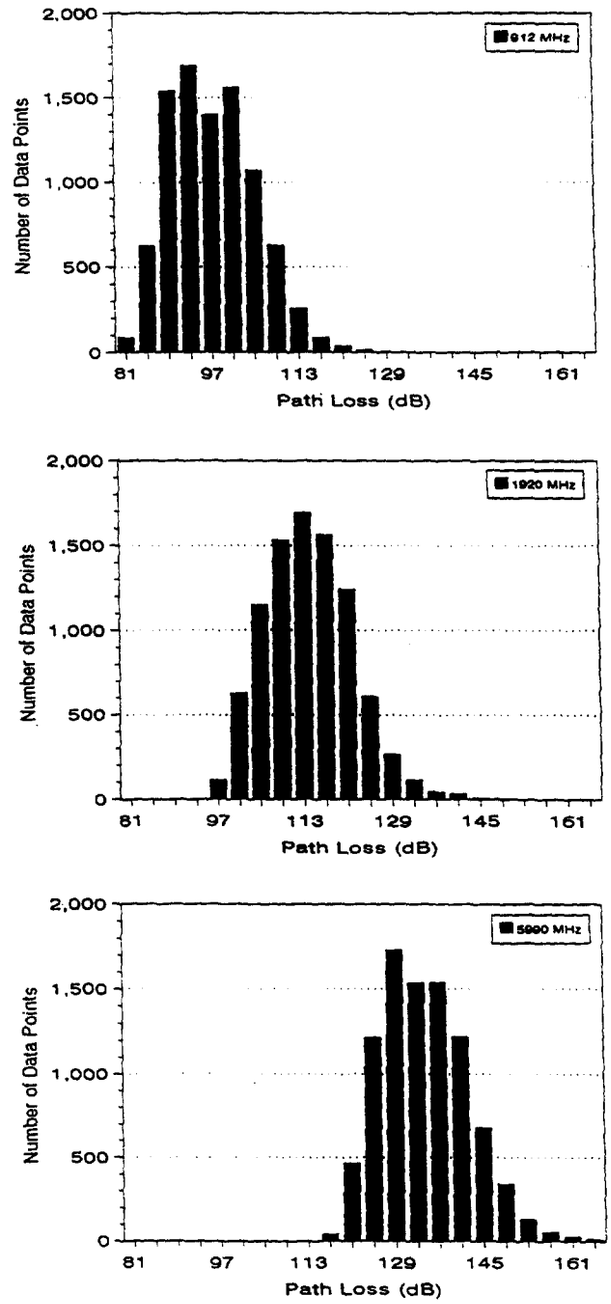

Figure C-21. Path loss distribution for high rise 3, floor 11, LOS. Free-space path loss: 74, 80 and 90 dB at 912, 1920 and 5990 MHz, respectively.

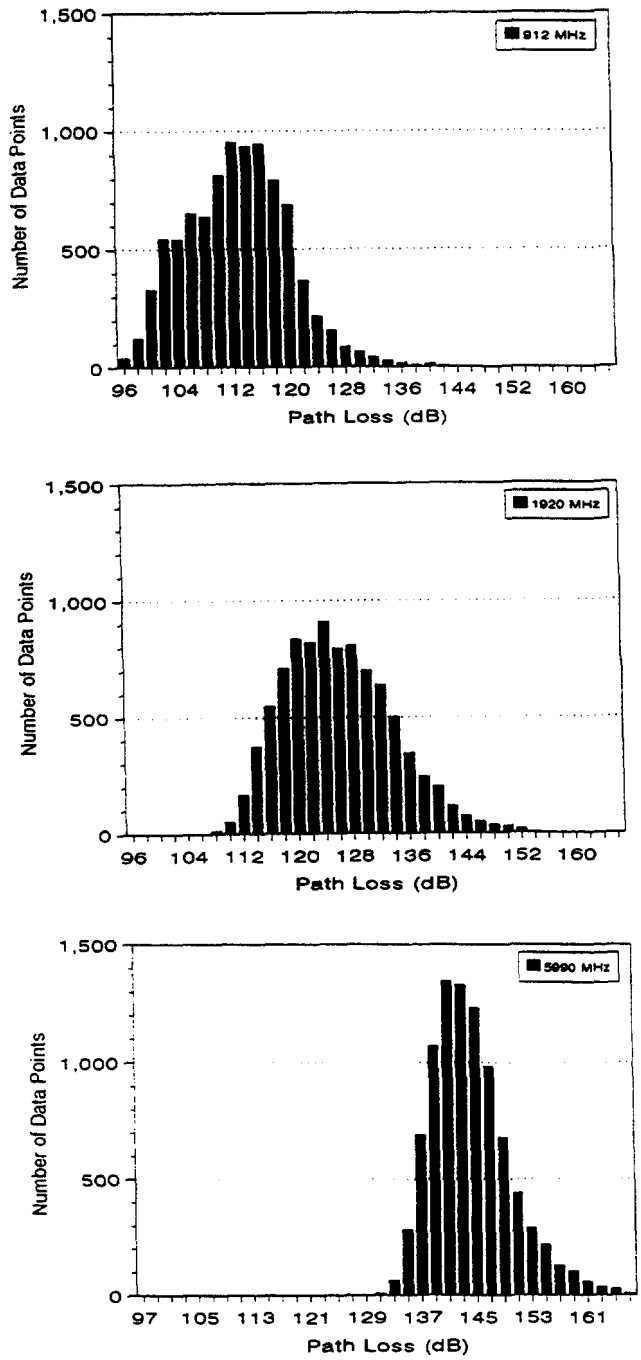

Figure C-22. Path loss distribution for high rise 3, floor 11, NLOS.

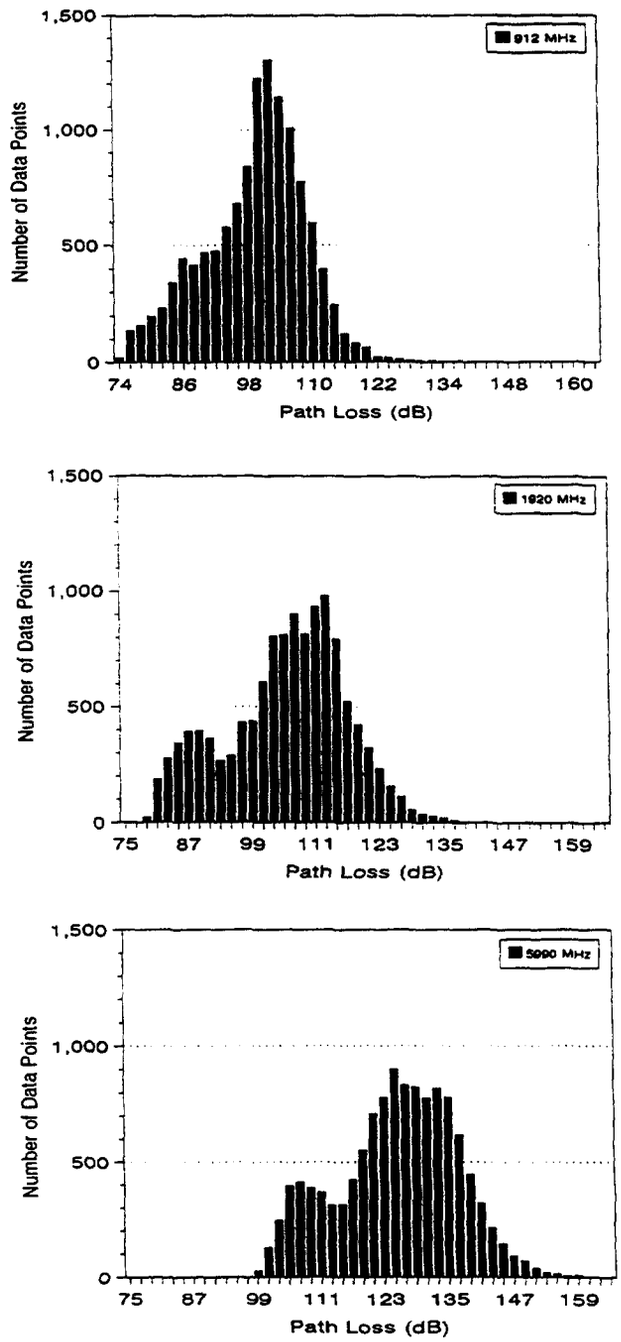

Figure C-23. Path loss distribution for high rise 4, floor 3, LOS. Free-space path loss: 77, 83 and 93 dB at 912, 1920 and 5990 MHz, respectively.

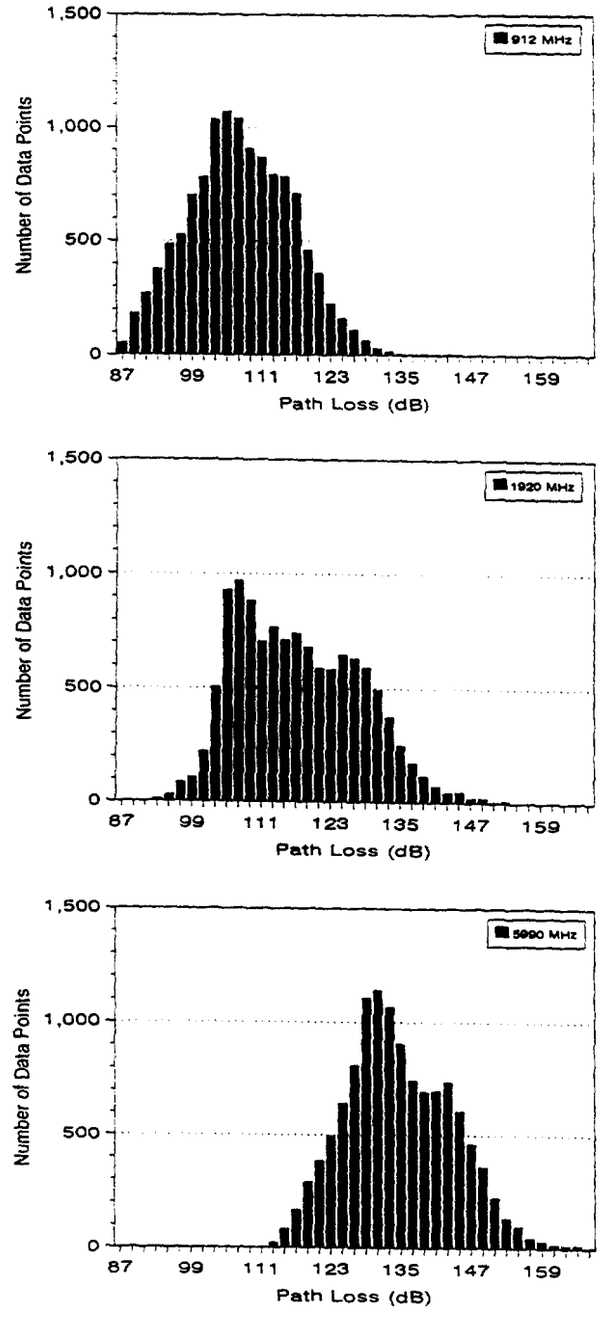

Figure C-24. Path loss distribution for high rise 4, floor 3, NLOS.

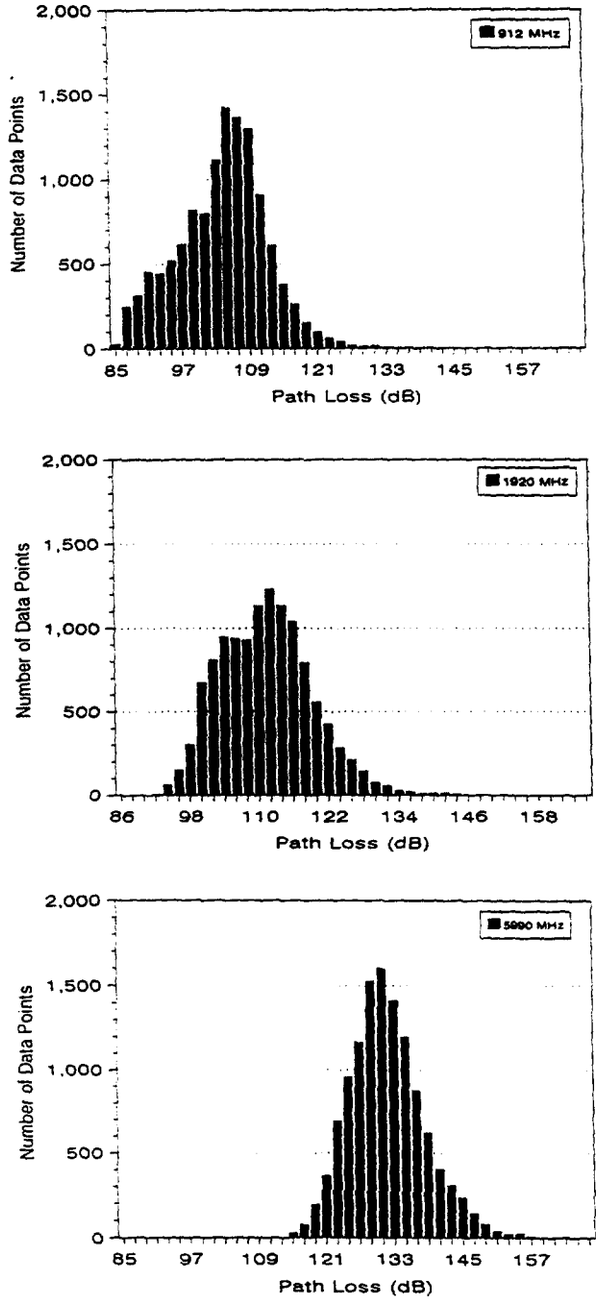

Figure C-25. Path loss distribution for high rise 4, floor 15, LOS. Free-space path loss: 77, 83, 93 dB at 912, 1920 and 5990 MHz, respectively.