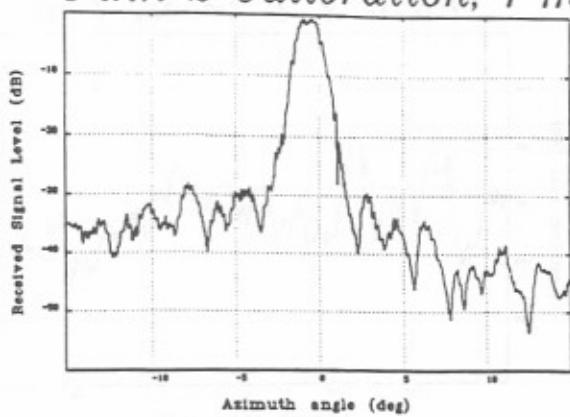


## **APPENDIX A: AMPLITUDE DATA at 28.8 GHz**

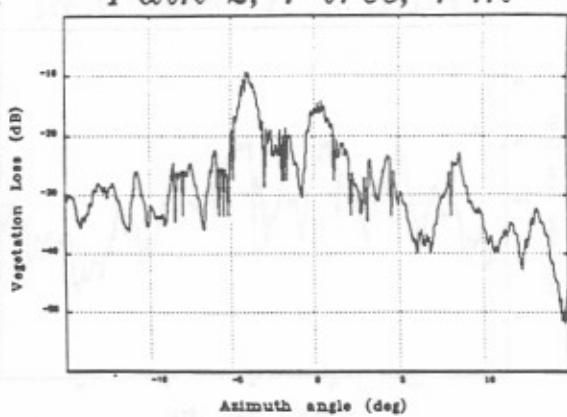
These data are from azimuth and elevation scans at 1 and 4 meters transmitter height, with and without leaves.

Scanning increment of 10° azimuth & 1° elevation. 30 sec. interval. 80% power level. 28.8 GHz subC WFM, 40% duty cycle, 100% mod. ATW, 100% noise cancellation.

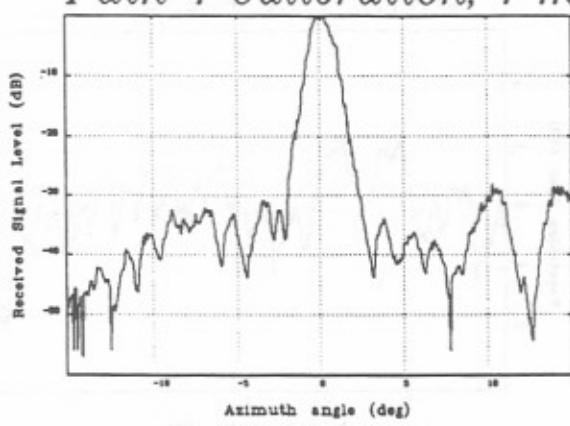
*Path 2 Calibration, 1 m*



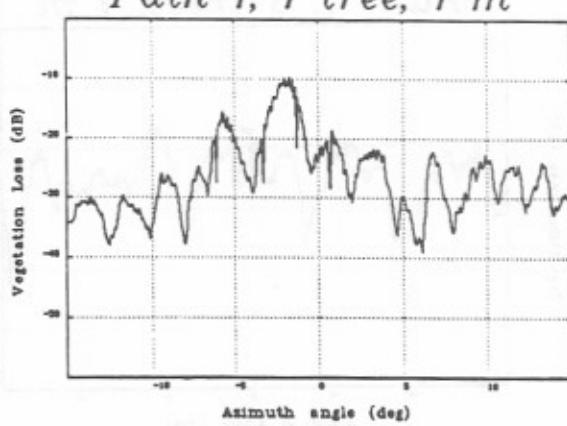
*Path 2, 1 tree, 1 m*



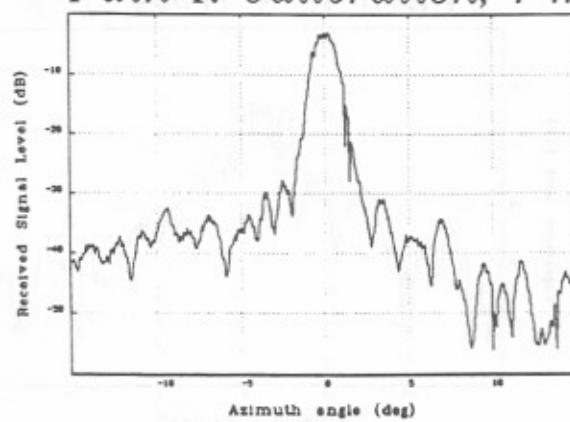
*Path 1 Calibration, 1 m*



*Path 1, 1 tree, 1 m*



*Path R Calibration, 1 m*



*Path R, 1 tree, 1 m*

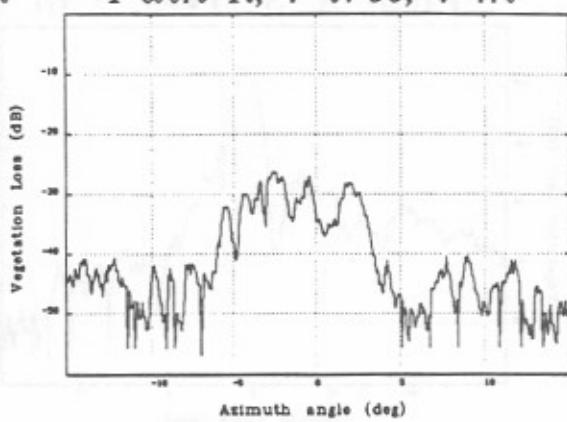


Figure A.1. Amplitude data (1 meter transmitter height) at 28.8 GHz as a function of azimuth angle (no leaves).

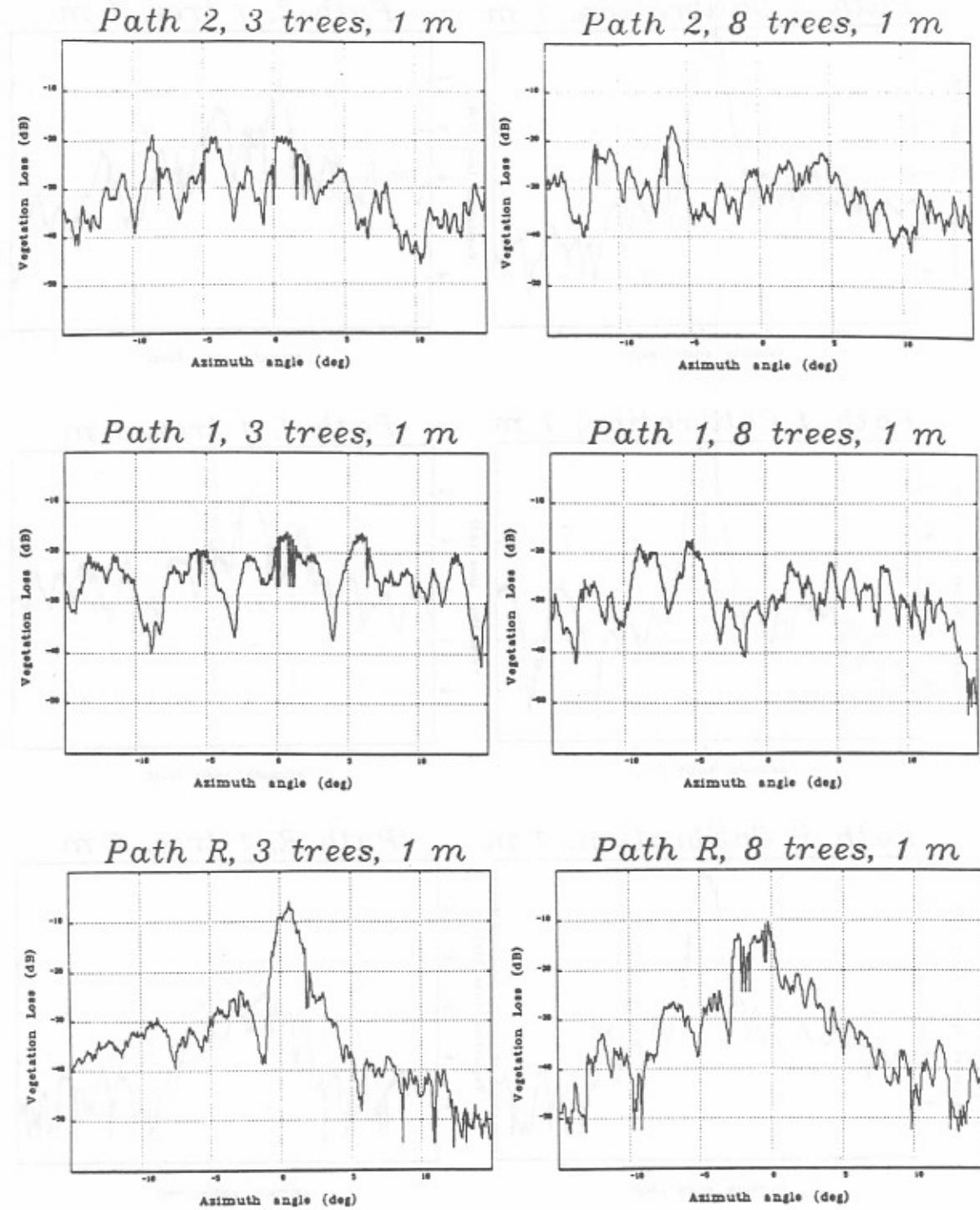


Figure A.1. (continued)

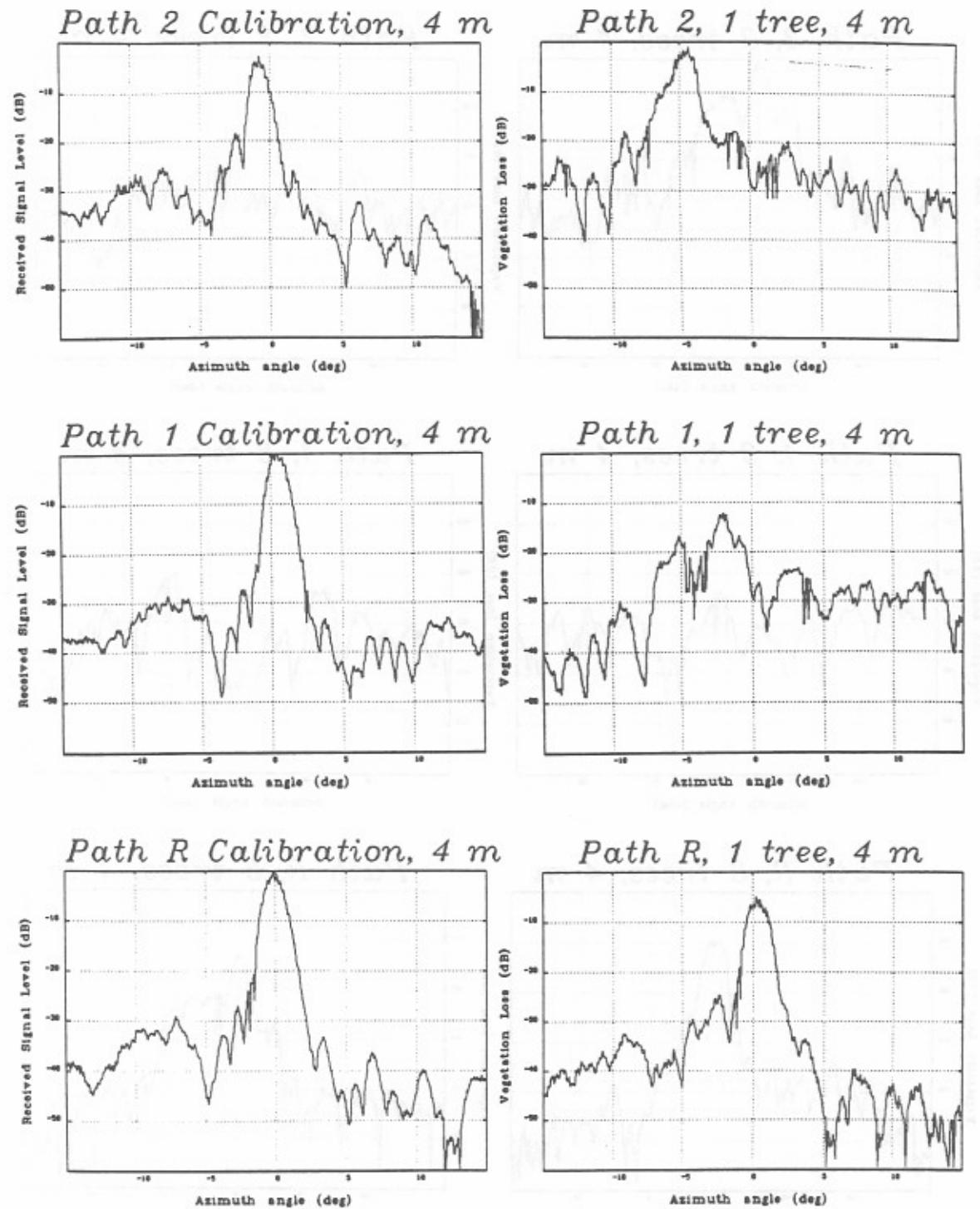


Figure A.2. Amplitude data (4 meter transmitter height) at 28.8 GHz as a function of azimuth angle (no leaves).

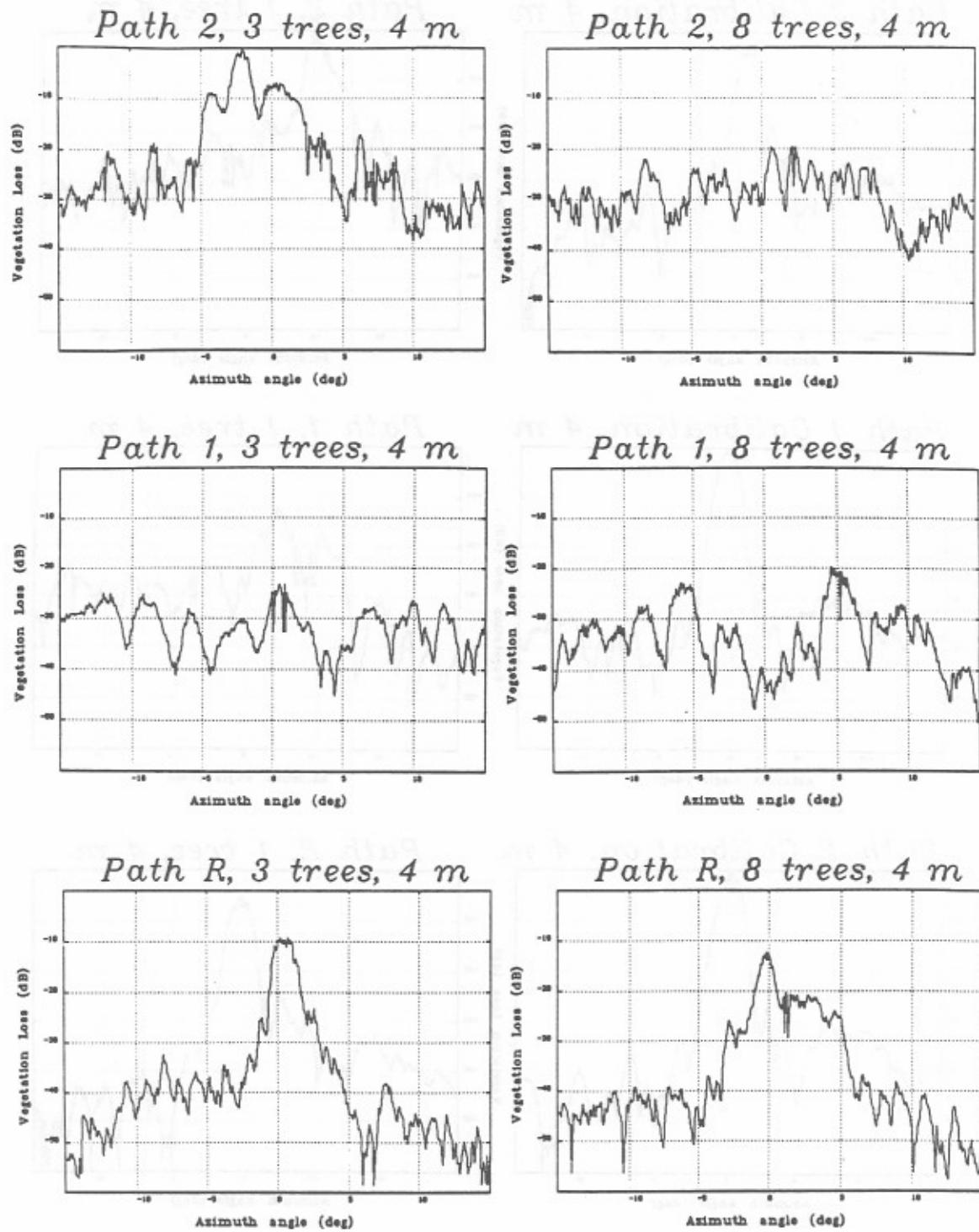
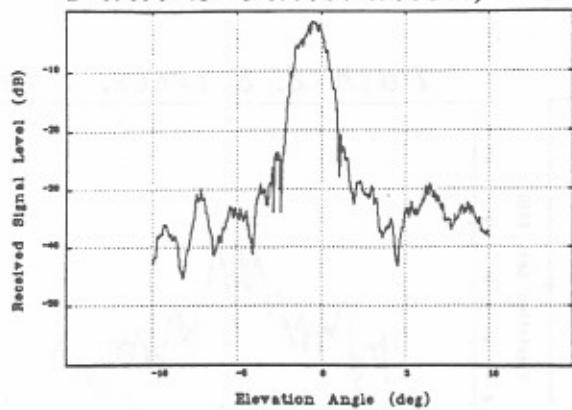
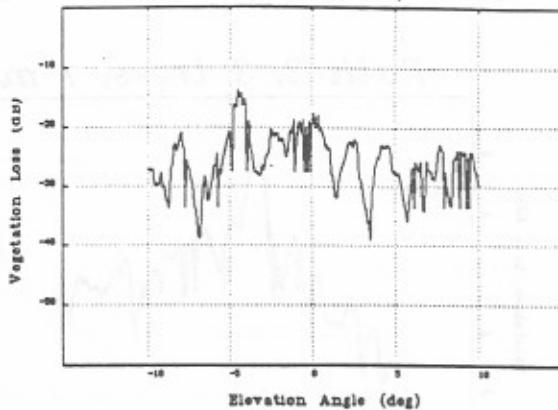


Figure A.2. (continued)

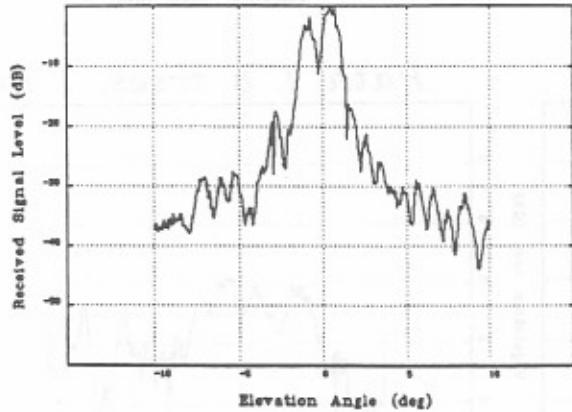
*Path 2 Calibration, 1 m*



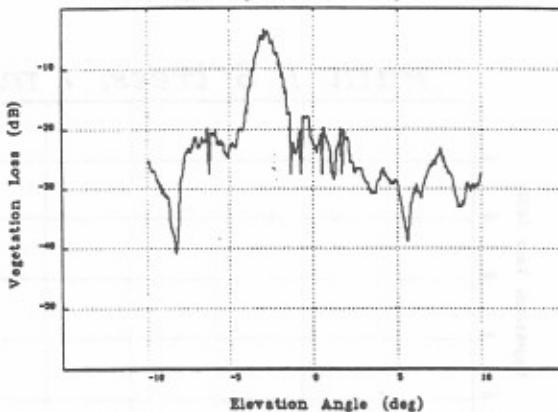
*Path 2, 1 tree, 1 m*



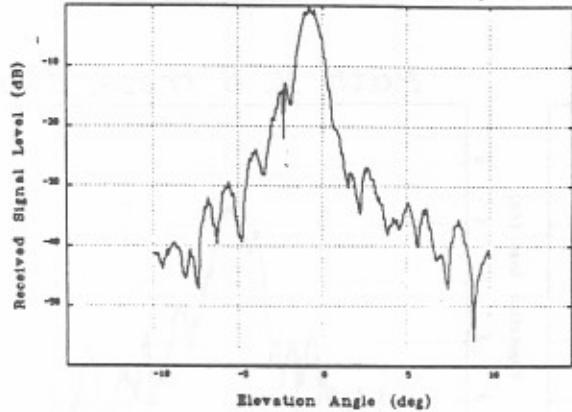
*Path 1 Calibration, 1 m*



*Path 1, 1 tree, 1 m*



*Path R Calibration, 1 m*



*Path R, 1 tree, 1 m*

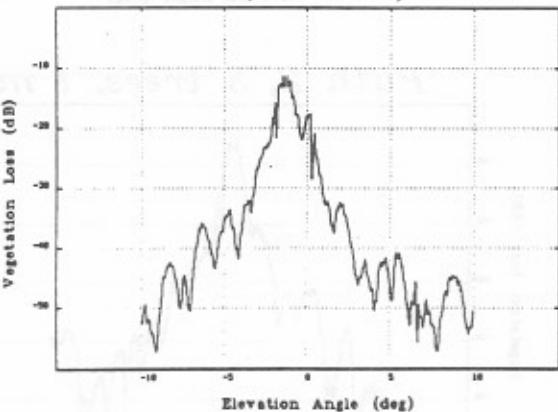


Figure A.3. Amplitude data (1 meter transmitter height) at 28.8 GHz as a function of elevation angle (no leaves).

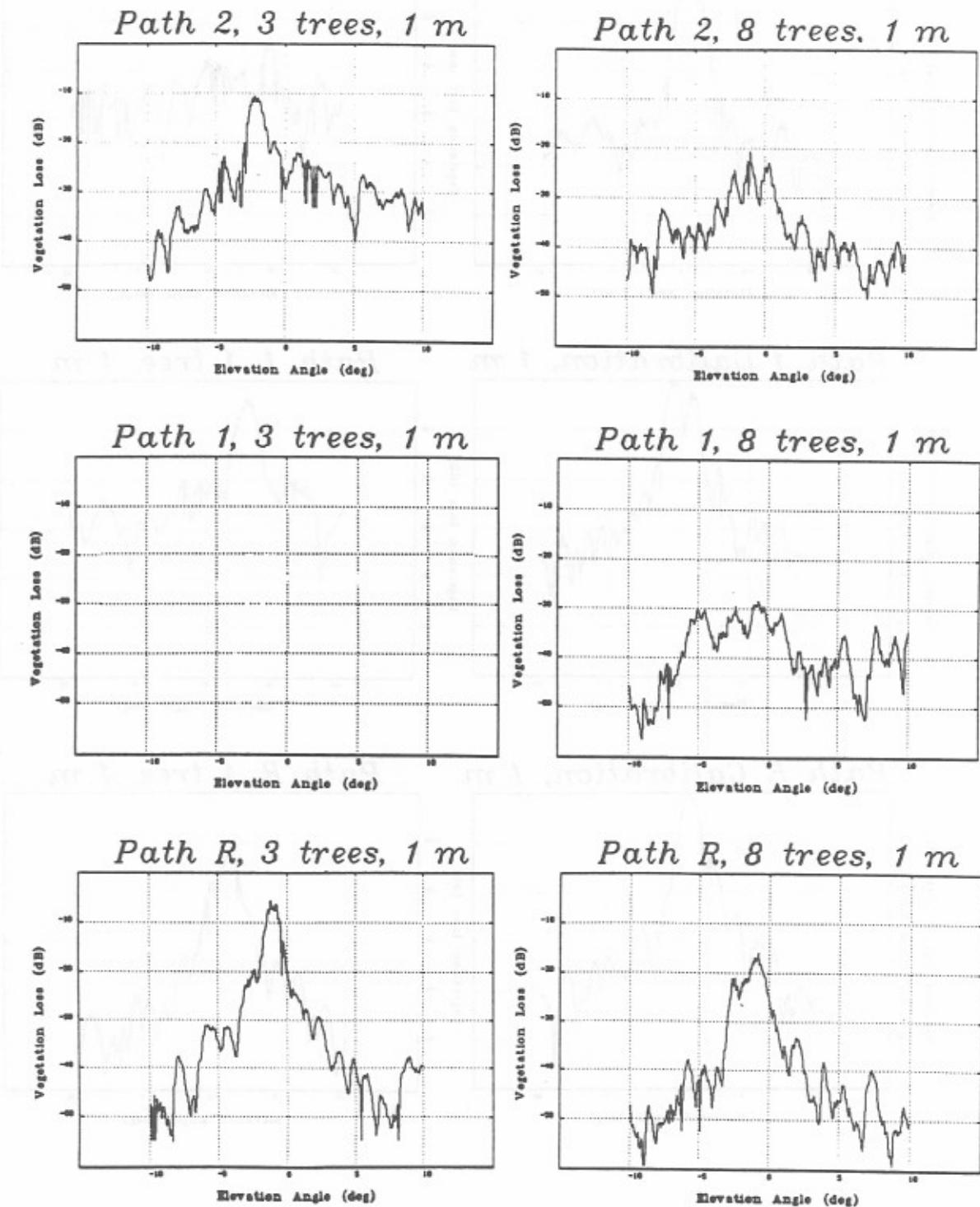


Figure A.3. (continued)

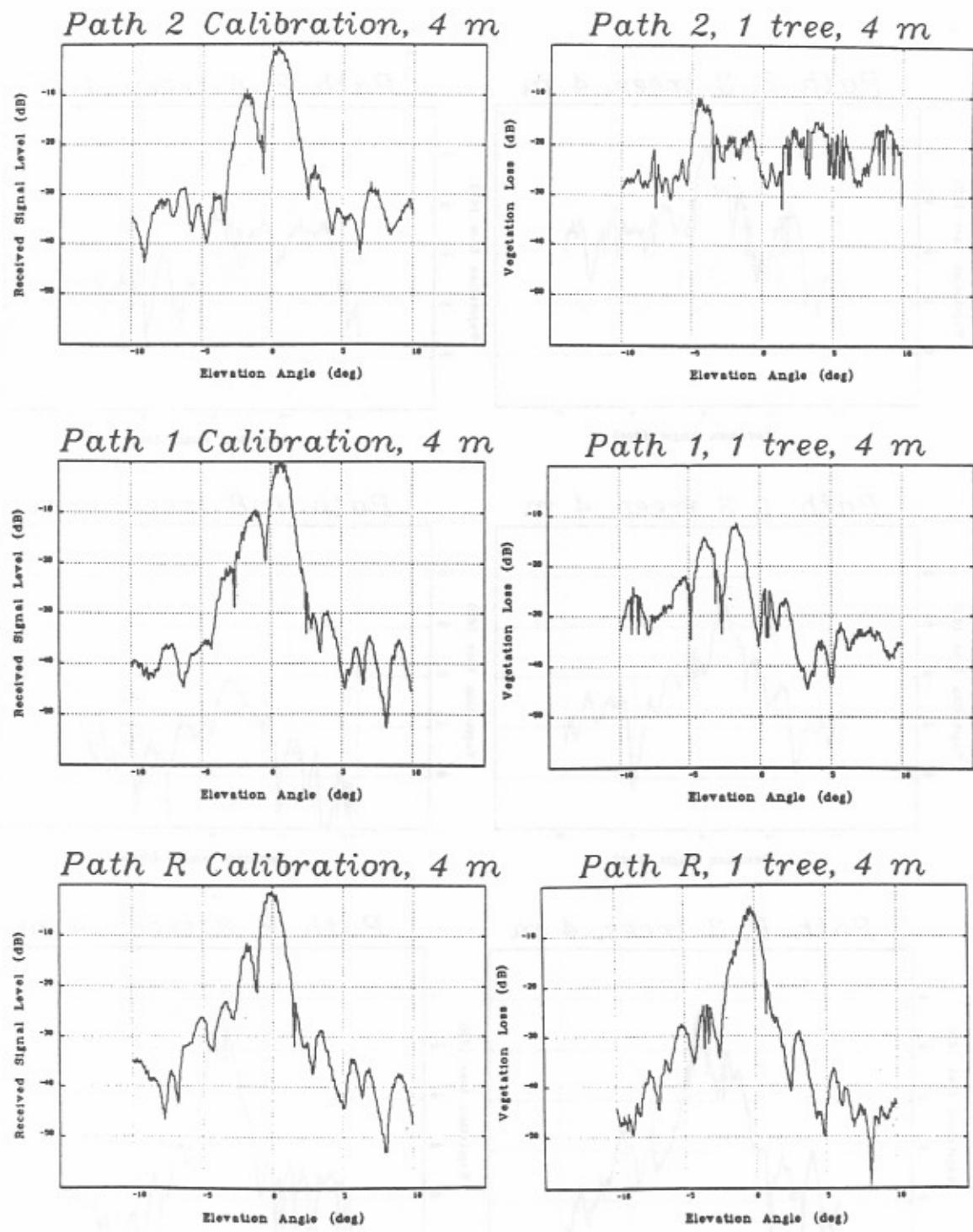


Figure A.4. Amplitude data (4 meter transmitter height) at 28.8 GHz as a function of elevation angle (no leaves).

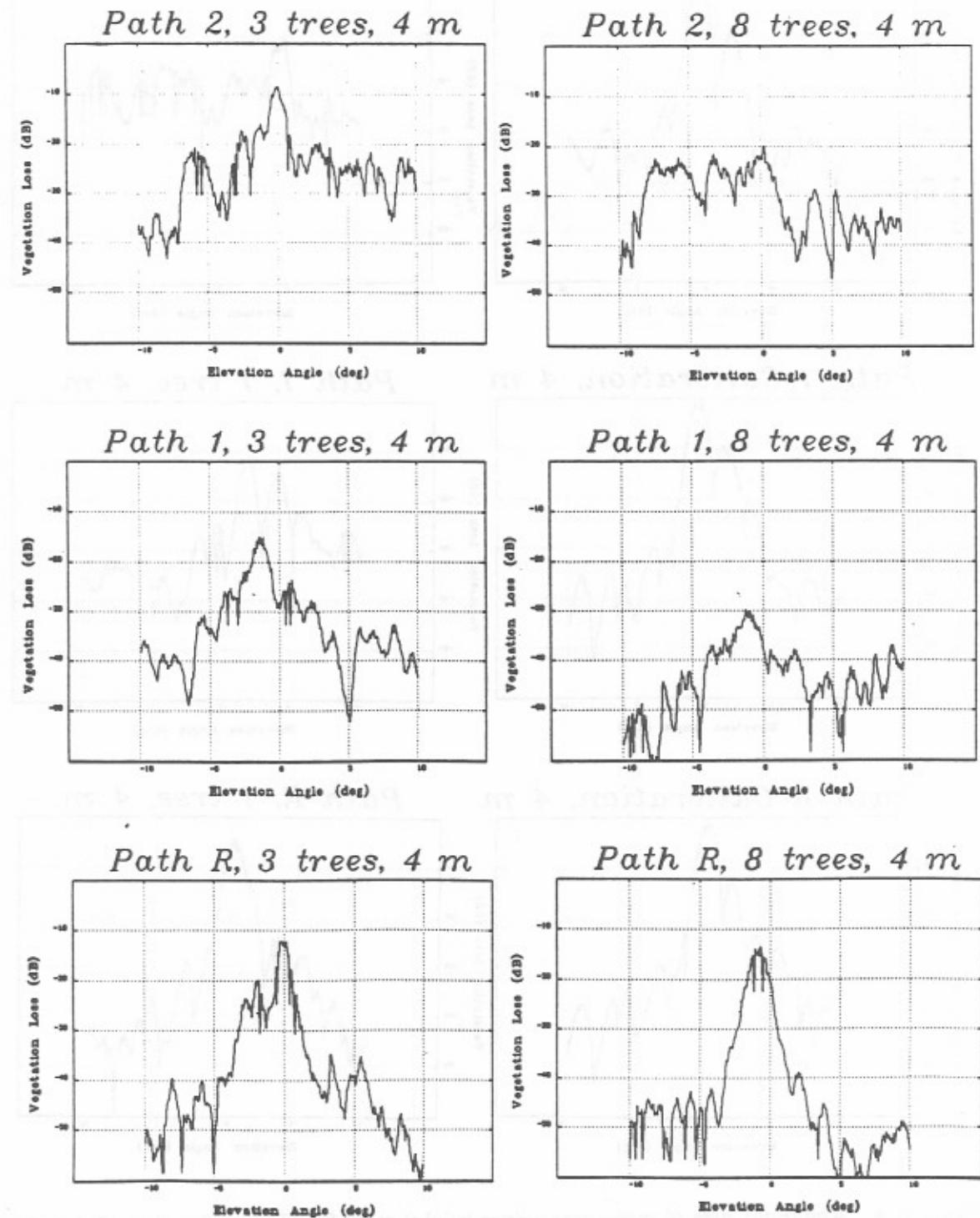


Figure A.4. (continued)

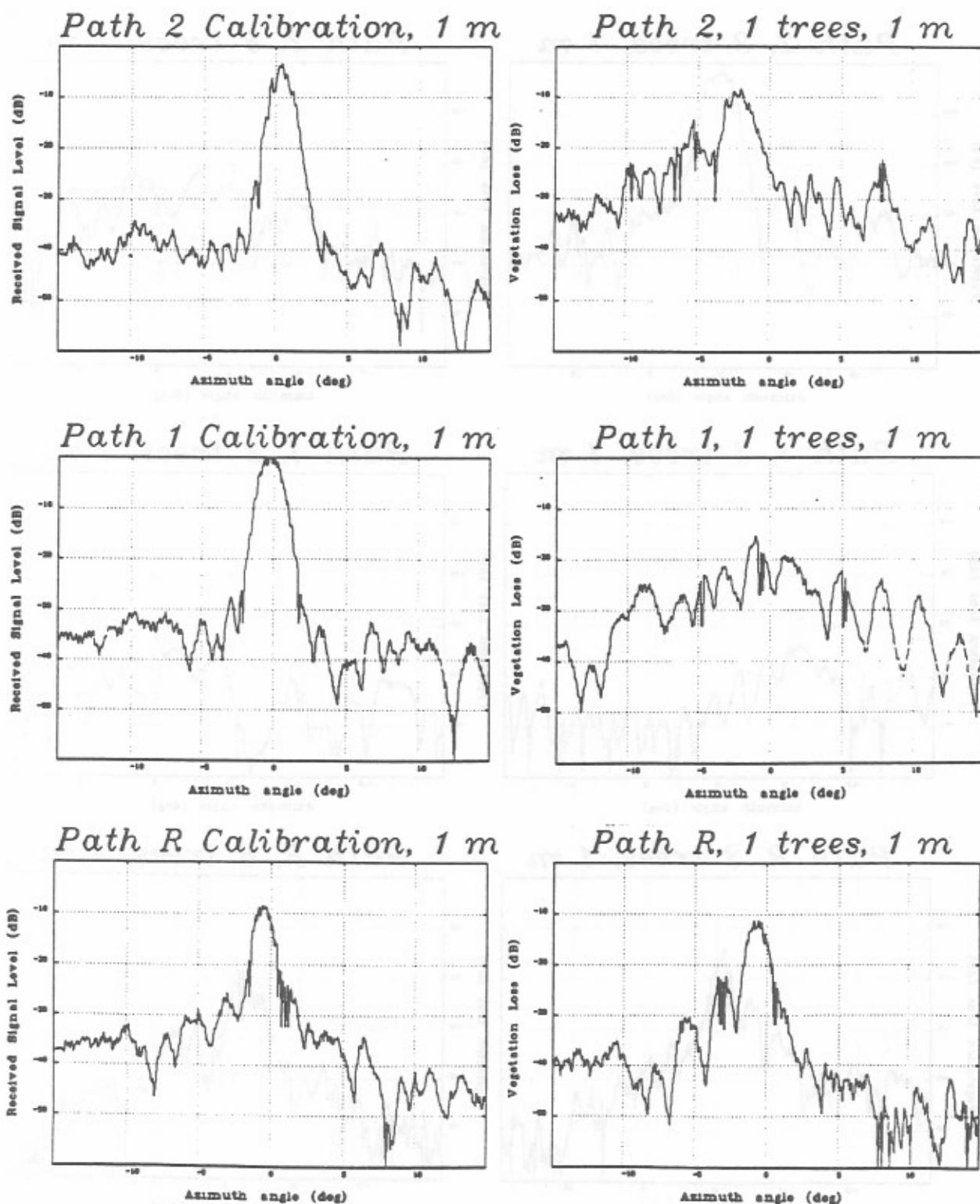


Figure A.5. Amplitude data (1 meter transmitter height) at 28.8 GHz as a function of azimuth angle (with leaves).

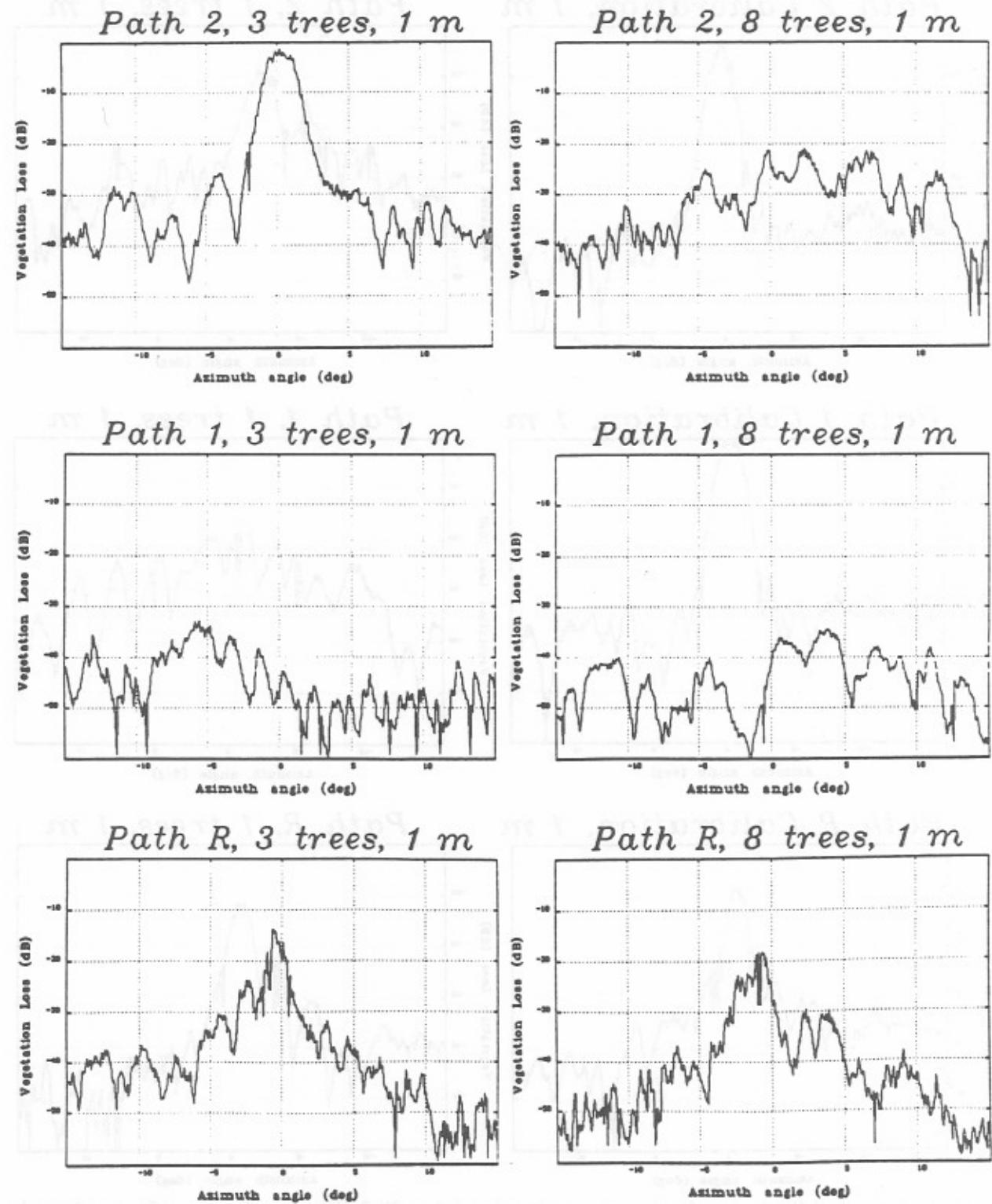


Figure A.5. (continued)

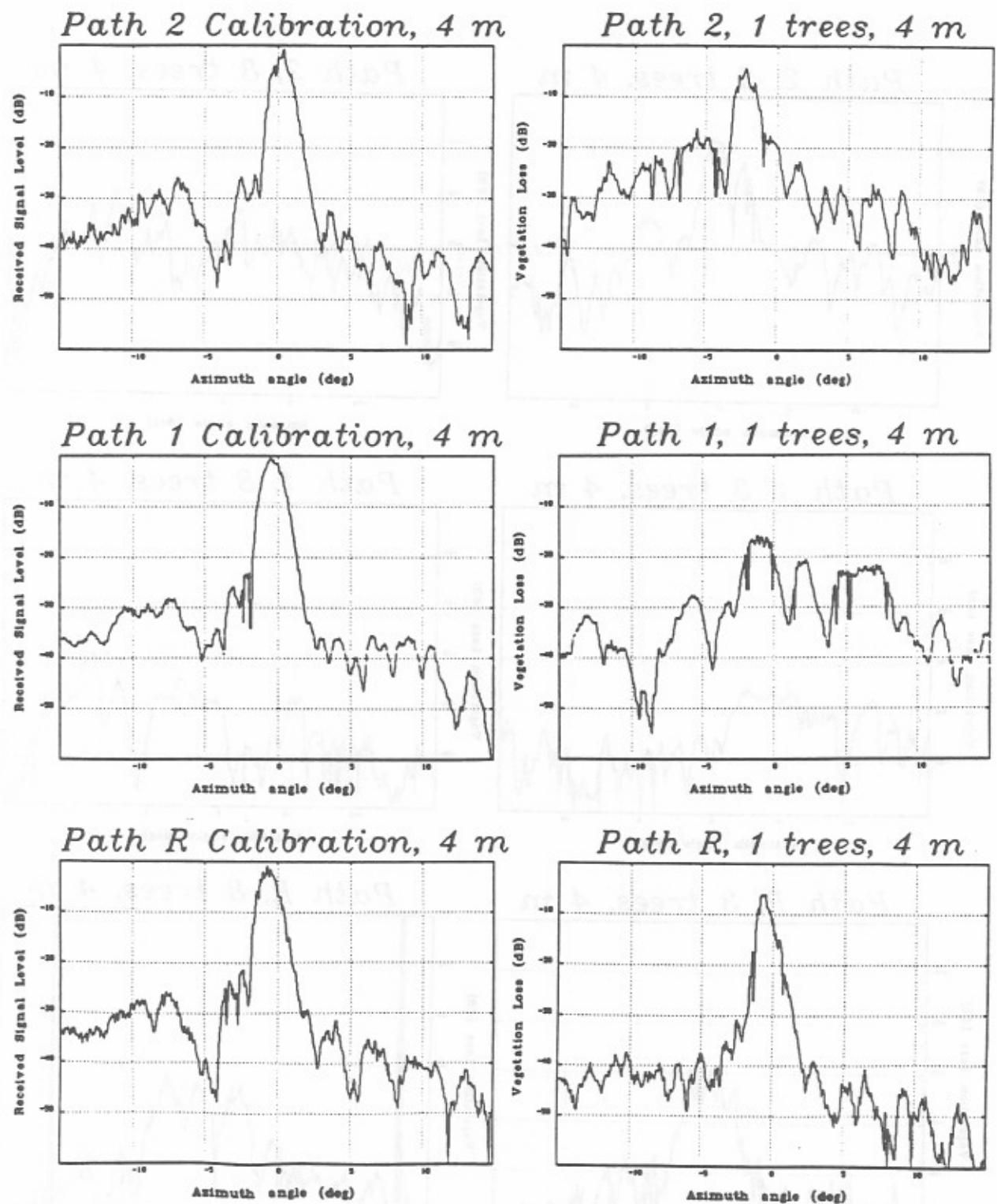


Figure A.6. Amplitude data (4 meter transmitter height) at 28.8 GHz as a function of azimuth angle (with leaves).

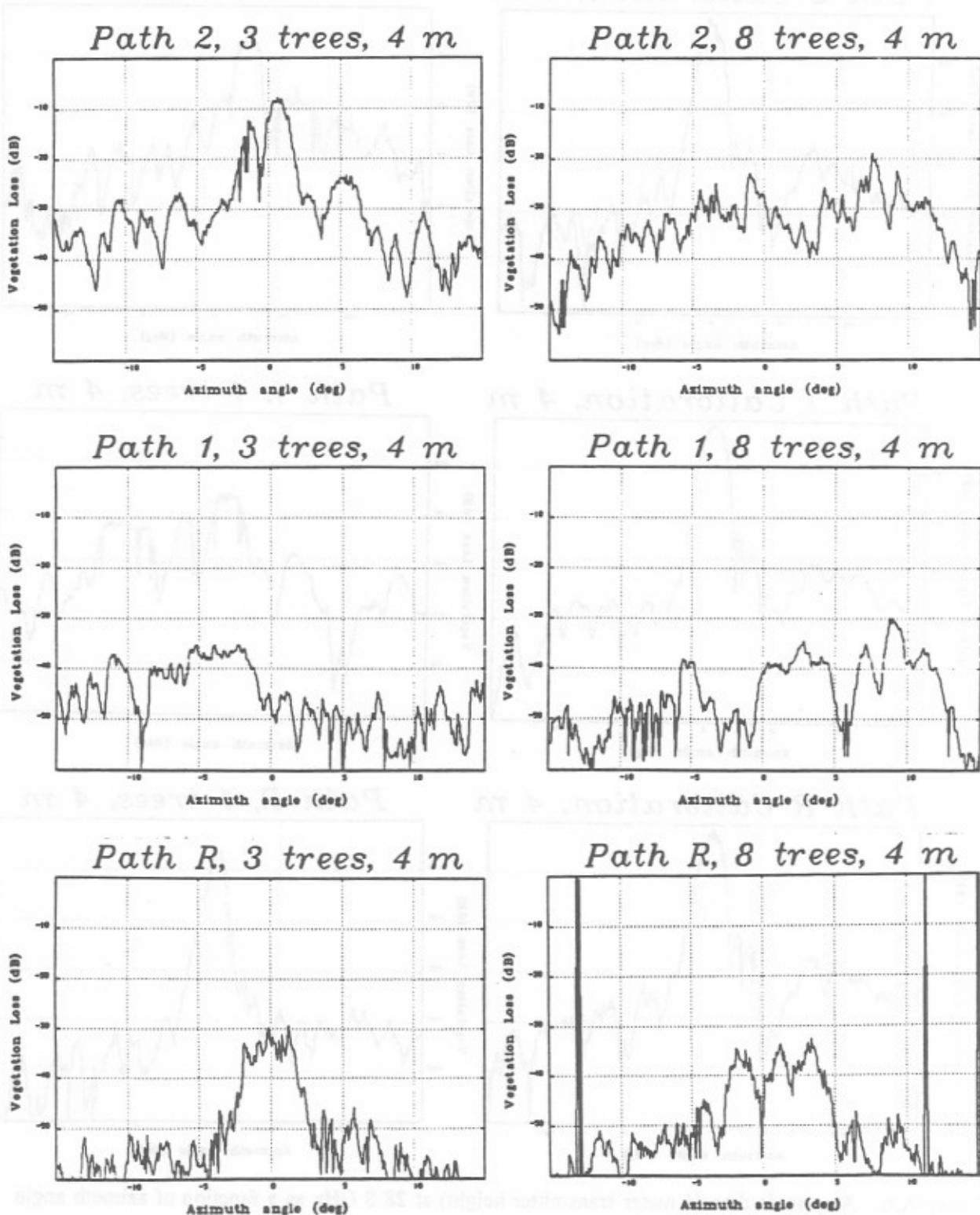


Figure A.6. (continued)

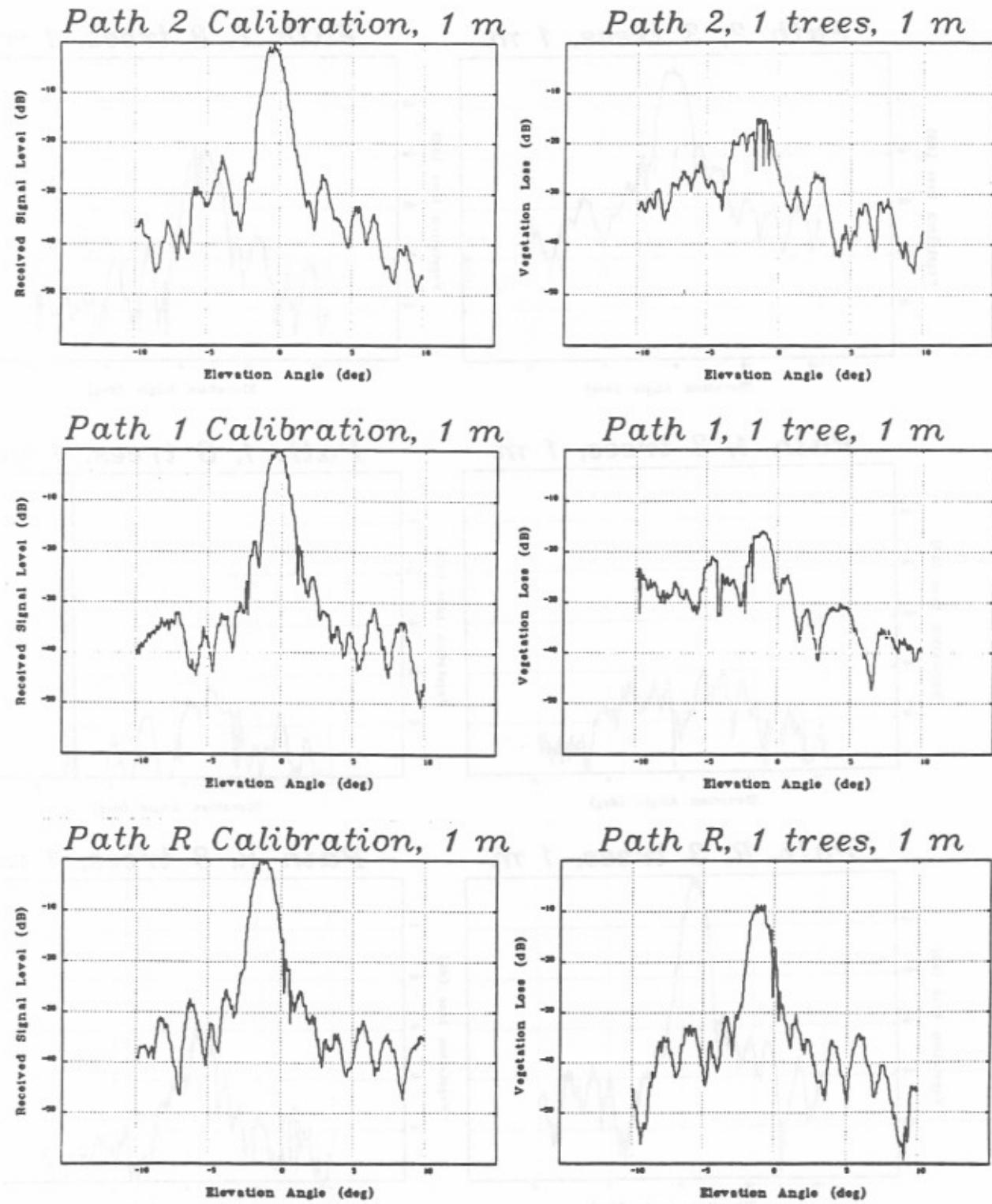
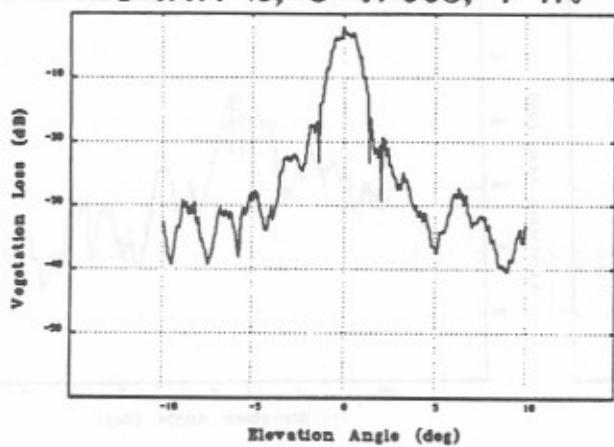
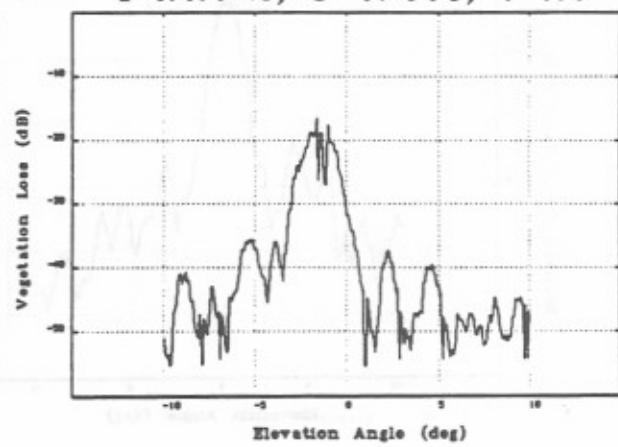


Figure A.7. Amplitude data (1 meter transmitter height) at 28.8 GHz as a function of elevation angle (with leaves).

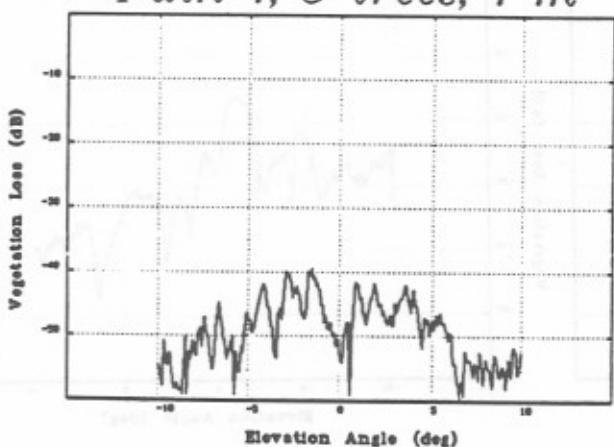
*Path 2, 3 trees, 1 m*



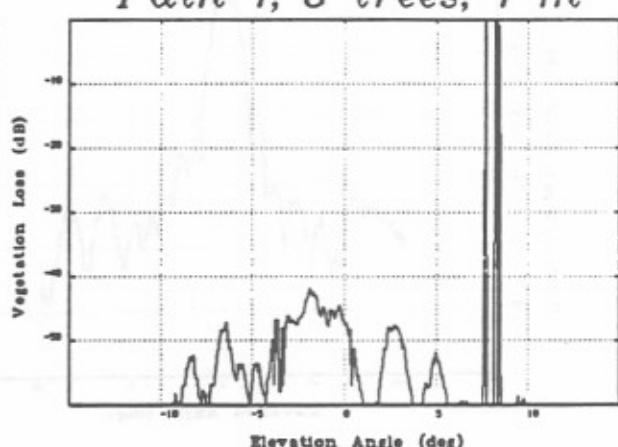
*Path 2, 8 trees, 1 m*



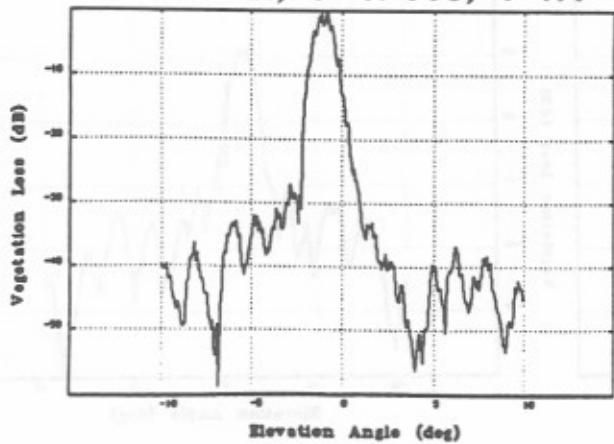
*Path 1, 3 trees, 1 m*



*Path 1, 8 trees, 1 m*



*Path R, 3 trees, 1 m*



*Path R, 8 trees, 1 m*

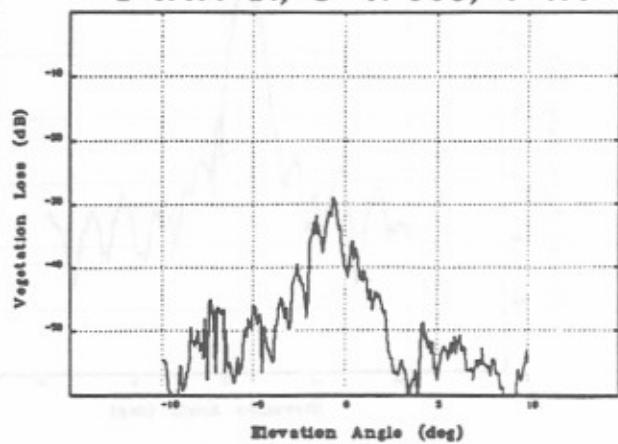


Figure A.7. (continued)

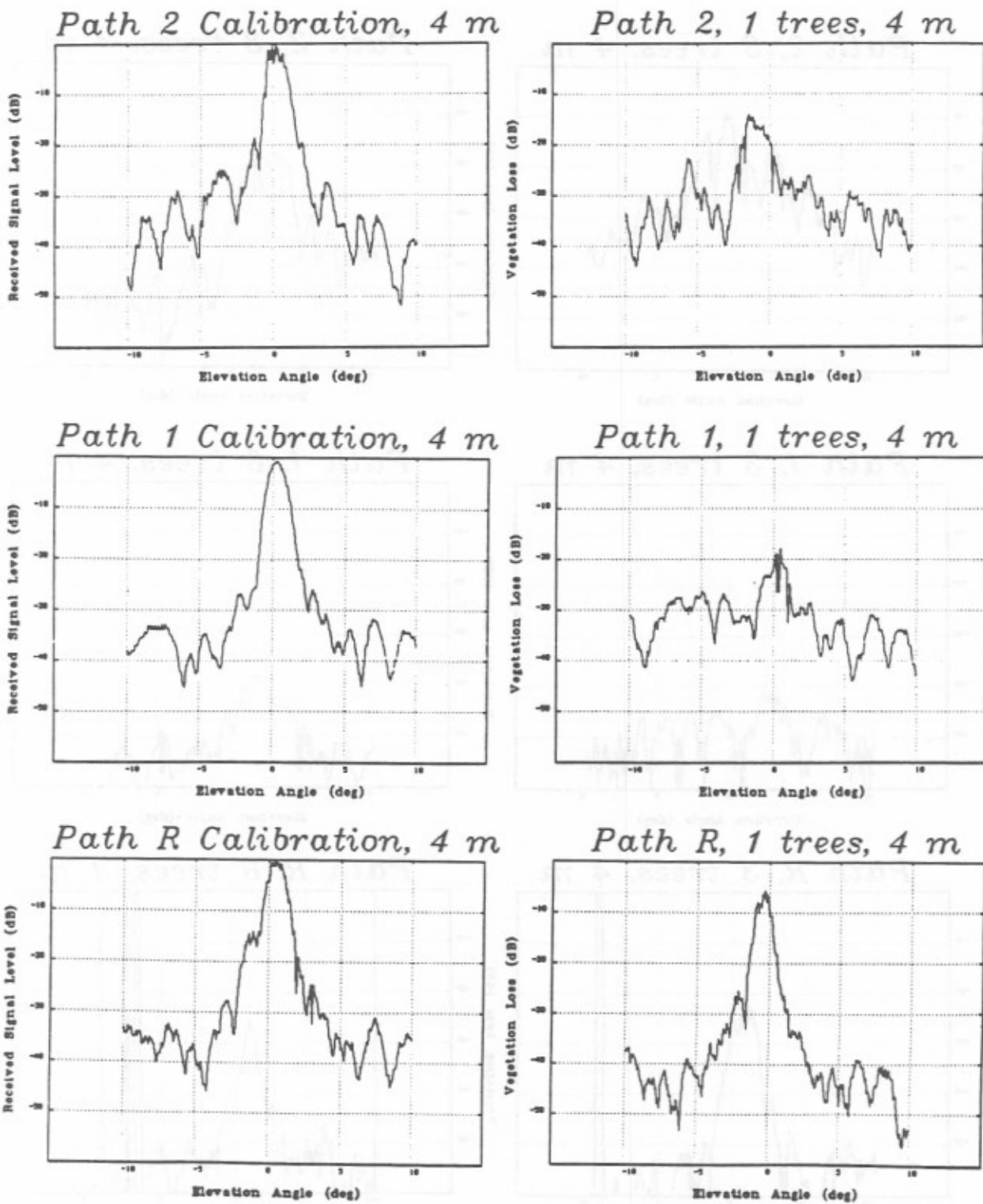


Figure A.8. Amplitude data (4 meter transmitter height) at 28.8 GHz as a function of elevation angle (with leaves).

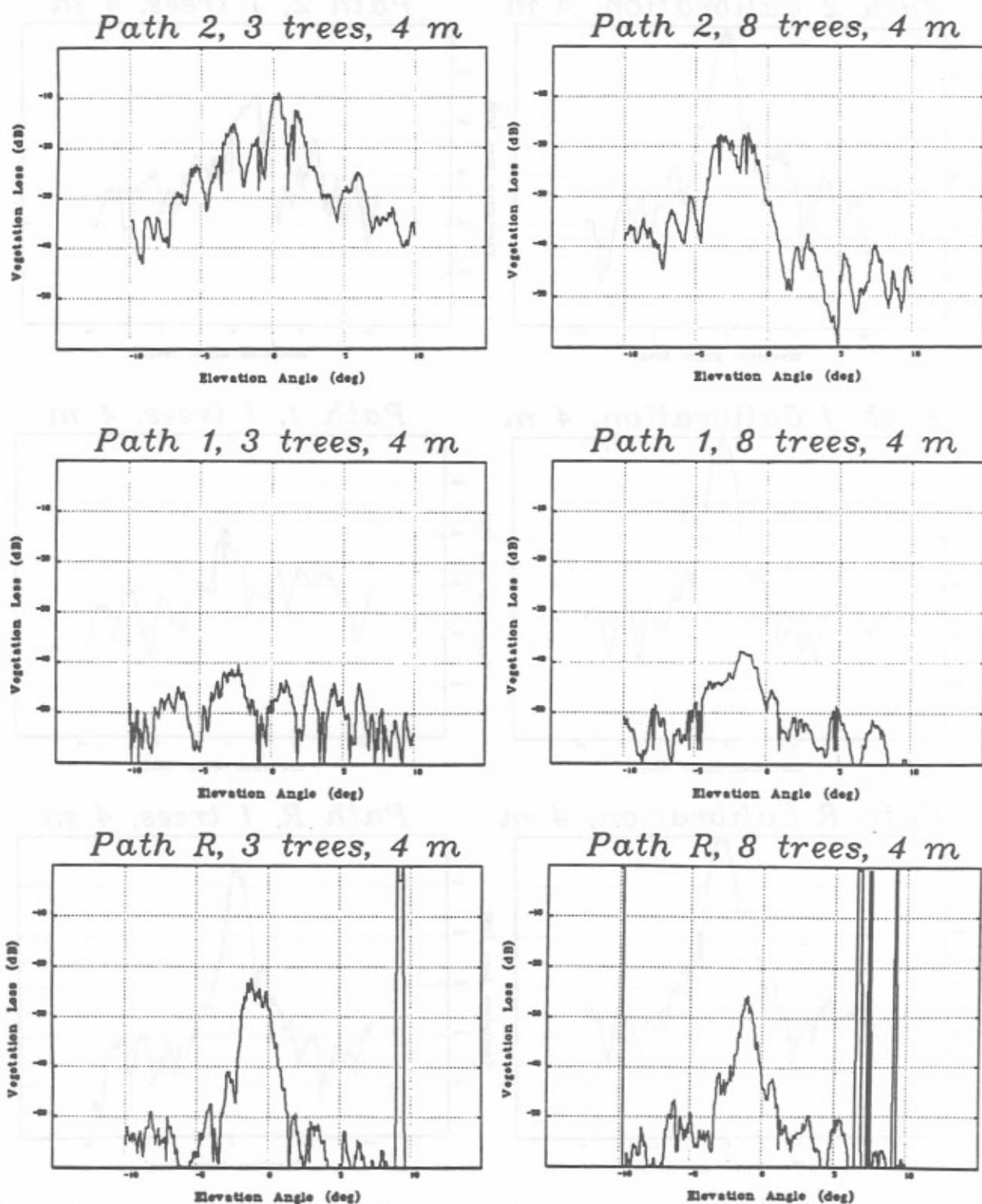


Figure A.8. (continued)