APPENDIX D: DELAY SPREAD VERSUS BANDWIDTH

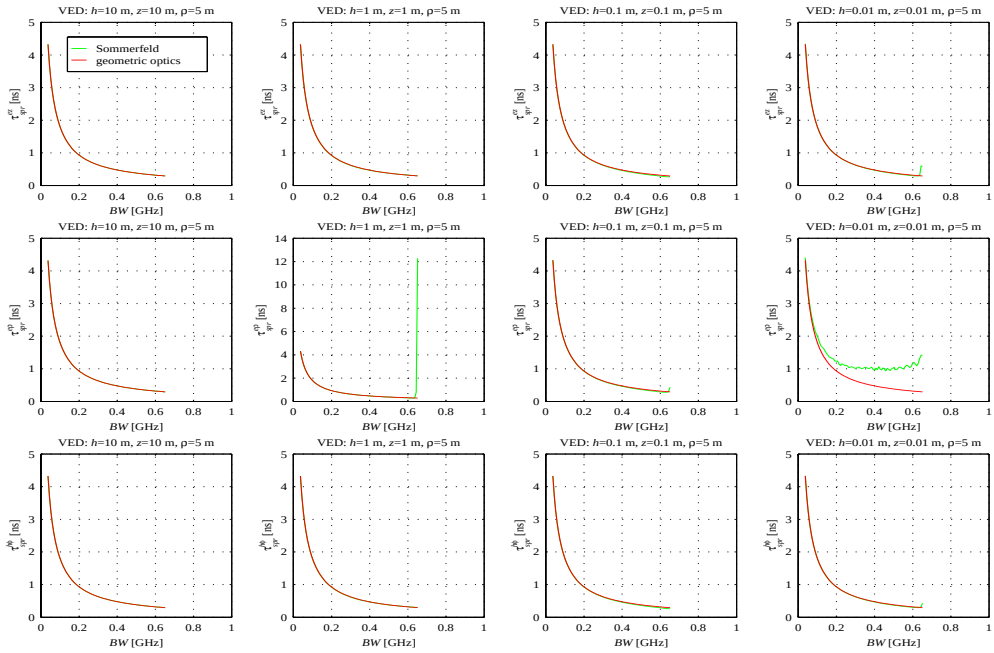

Figure D-1. Near-surface effects on delay spread versus bandwidth for a VED above a concrete half space at f_c=900 MHz (Hamming window, threshold=-30 dB).

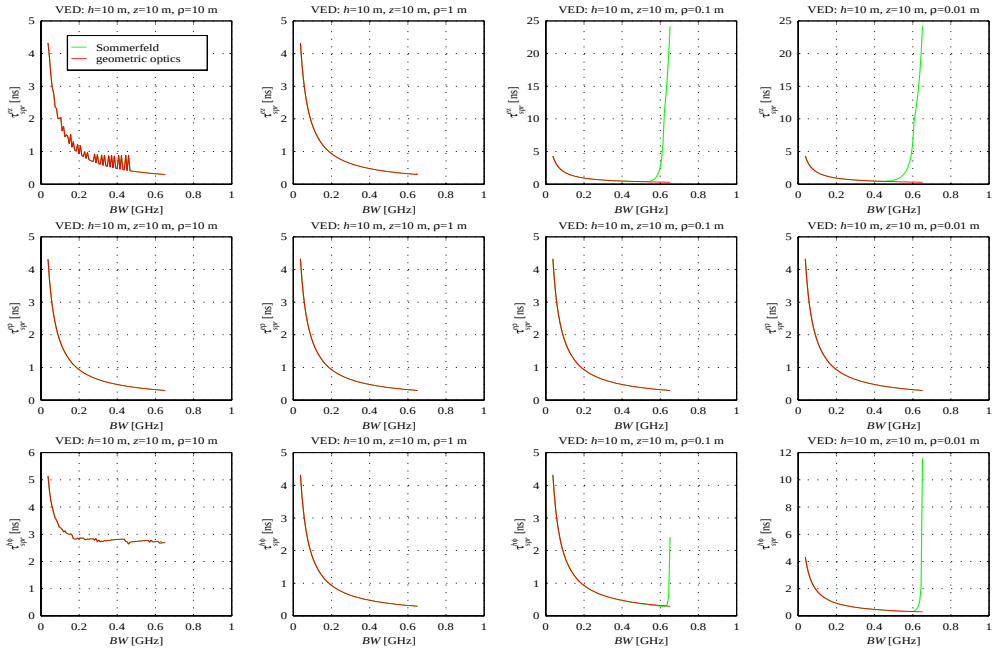

Figure D-2. Near-field effects on delay spread versus bandwidth for a VED above a concrete half space at f_c=900 MHz (Hamming window, threshold=-30 dB).

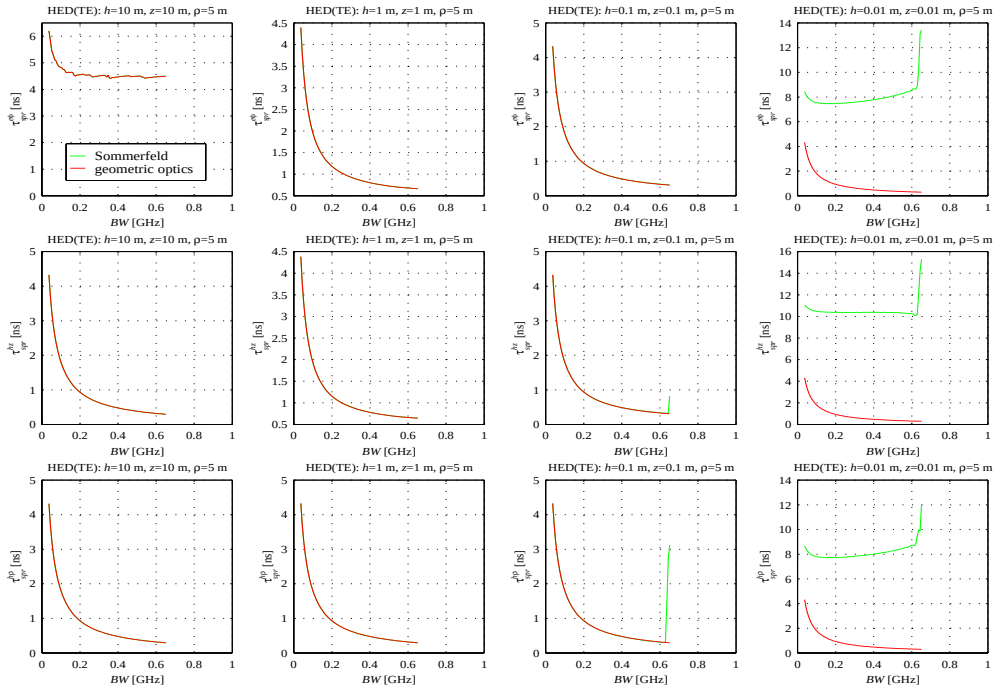

Figure D-3. Near-surface effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=900 MHz (Hamming window, threshold=-30 dB, φ=90°).

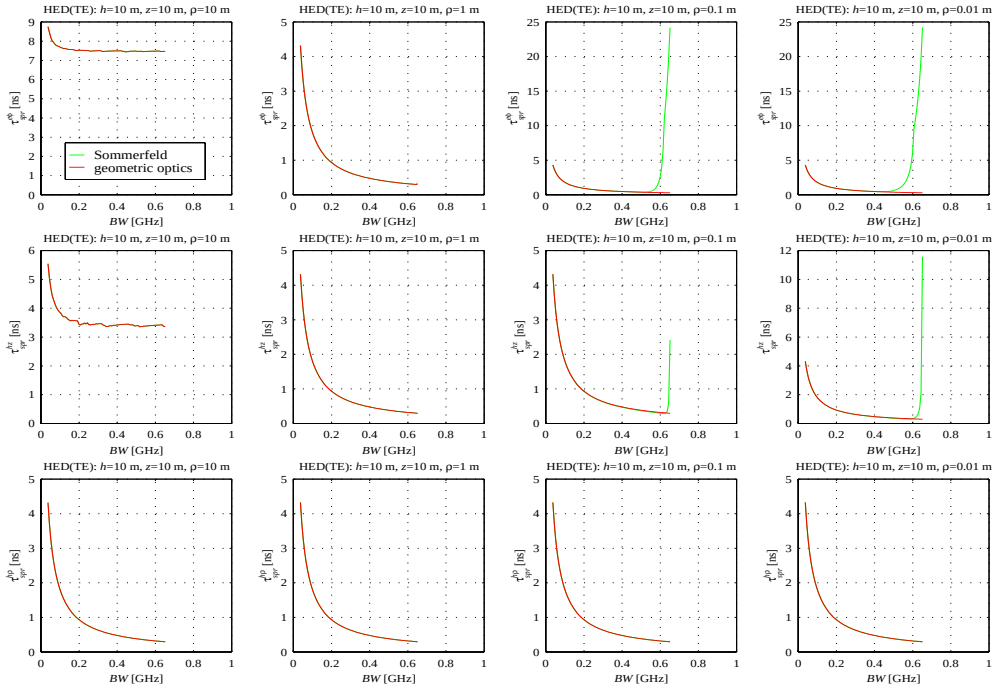

Figure D-4. Near-field effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=900 MHz (Hamming window, threshold=-30 dB, φ=90°).

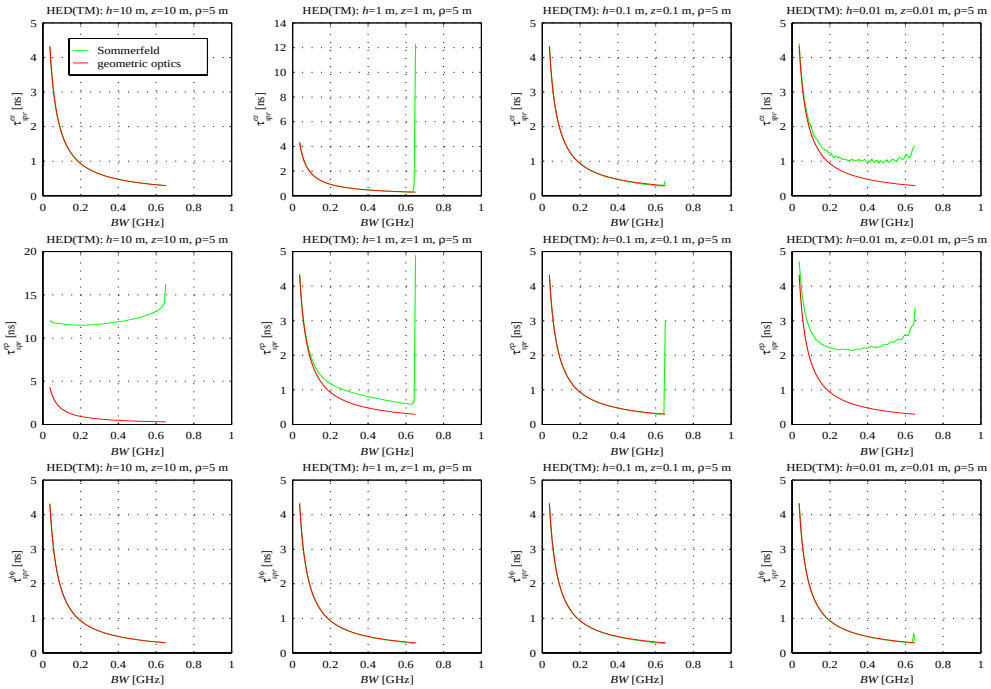

Figure D-5. Near-surface effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=900 MHz (Hamming window, threshold=-30 dB, φ=0°).

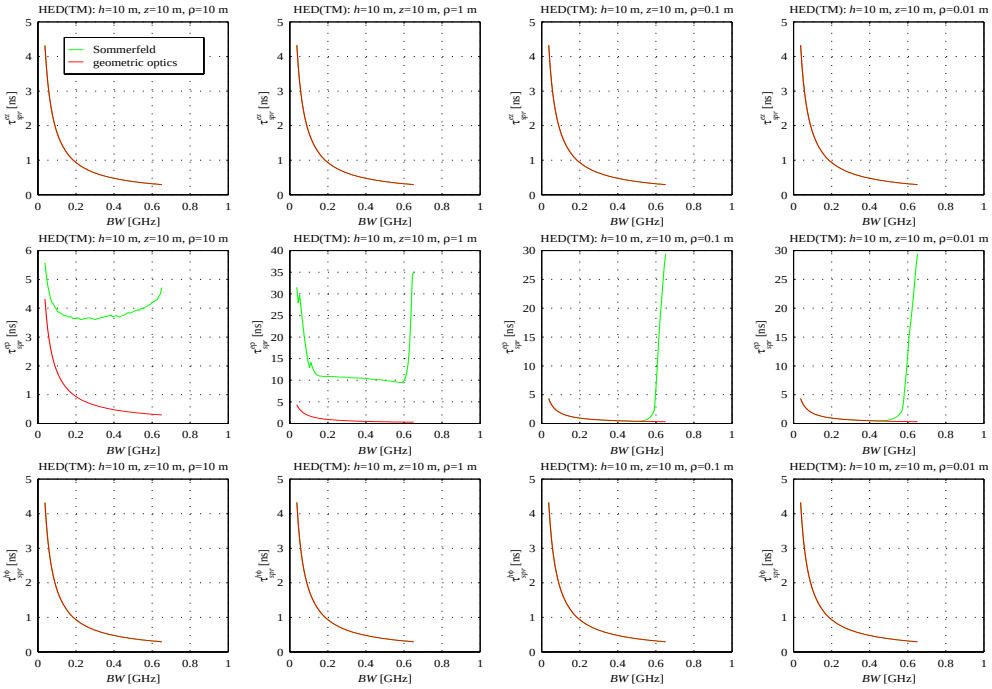

Figure D-6. Near-field effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=900 MHz (Hamming window, threshold=-30 dB, φ=0°).

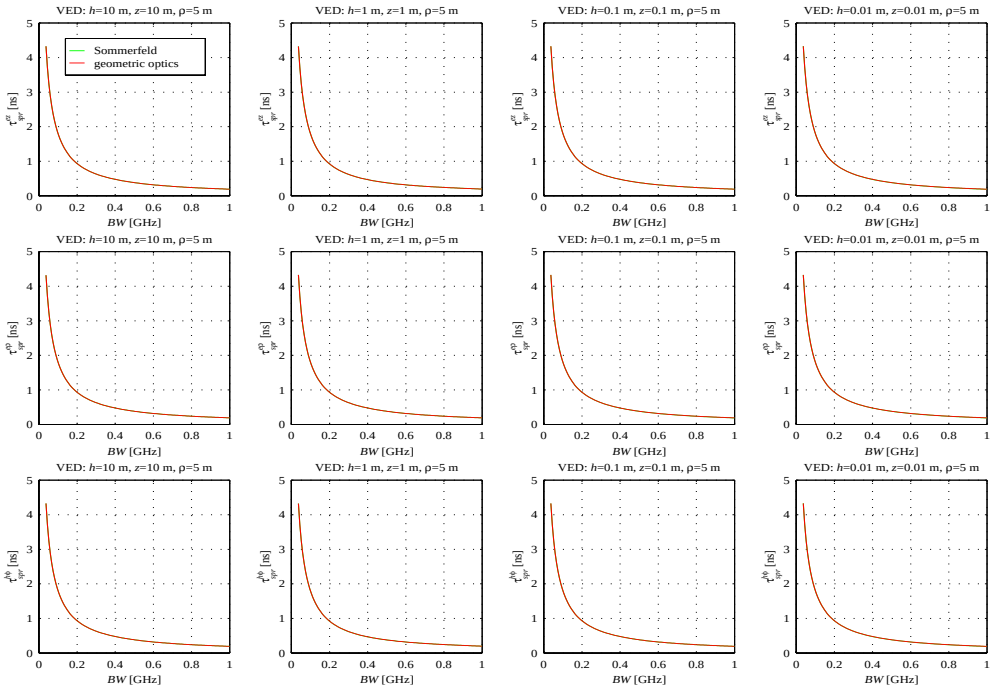

Figure D-7. Near-surface effects on delay spread versus bandwidth for a VED above a concrete half space at f_c=2.4 GHz (Hamming window, threshold=-30 dB).

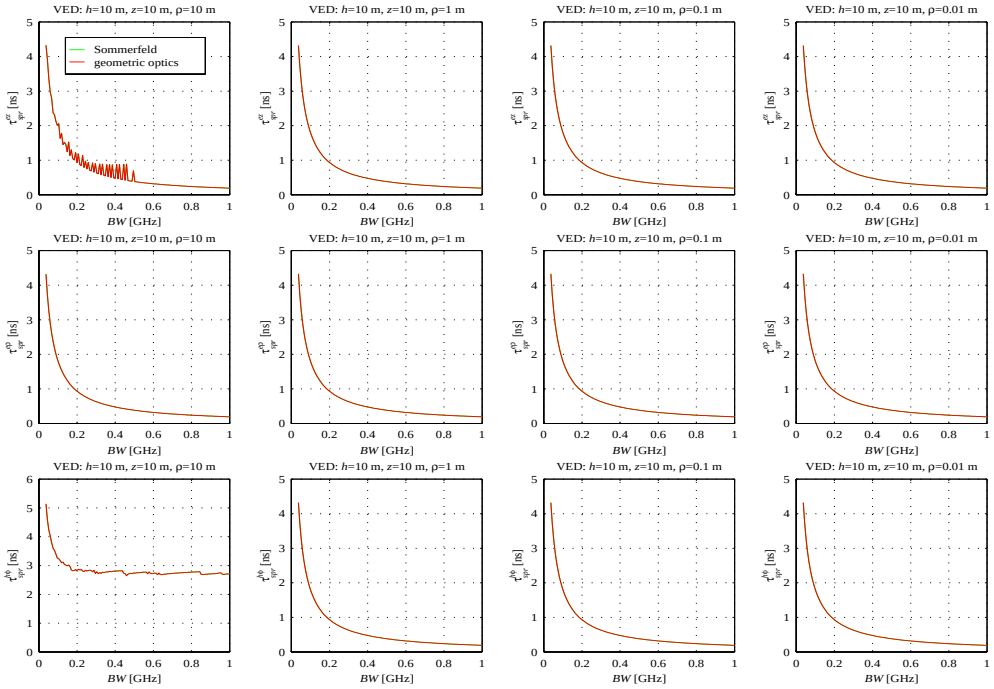

Figure D-8. Near-field effects on delay spread versus bandwidth for a VED above a concrete half space at f_c=2.4 GHz (Hamming window, threshold=-30 dB).

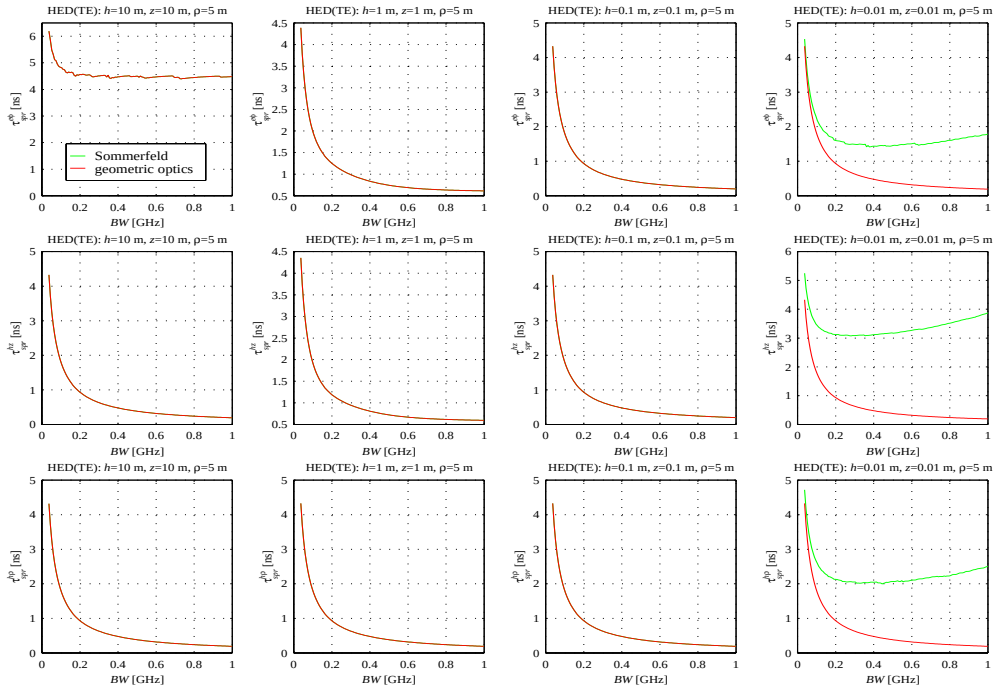

Figure D-9. Near-surface effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=2.4 GHz (Hamming window, threshold=-30 dB, φ=90°).

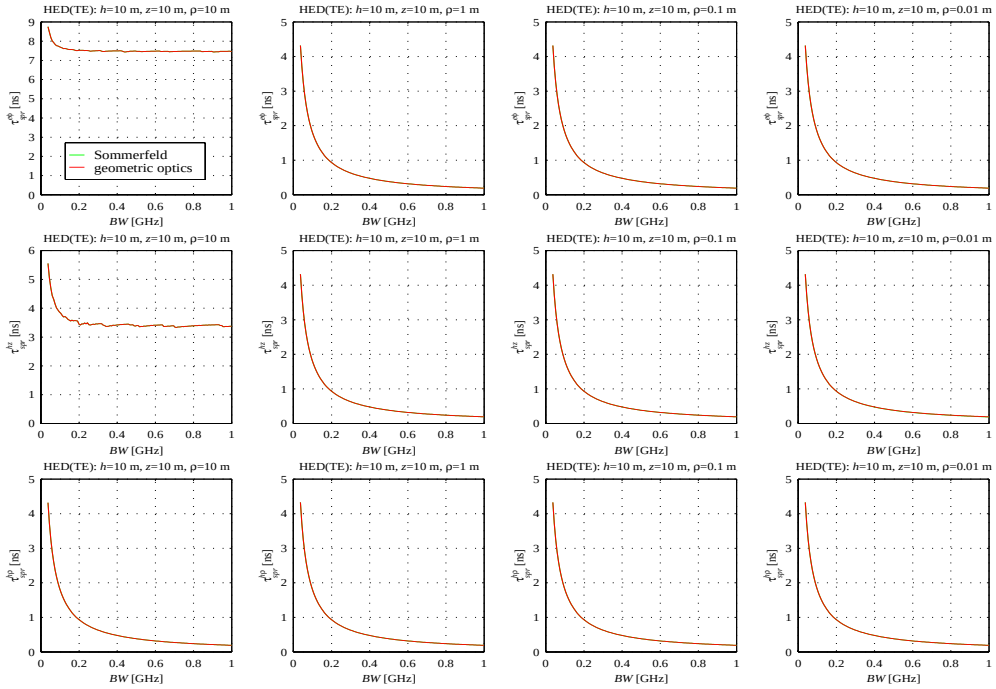

Figure D-10. Near-field effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=2.4 GHz (Hamming window, threshold=-30 dB, φ=90°).

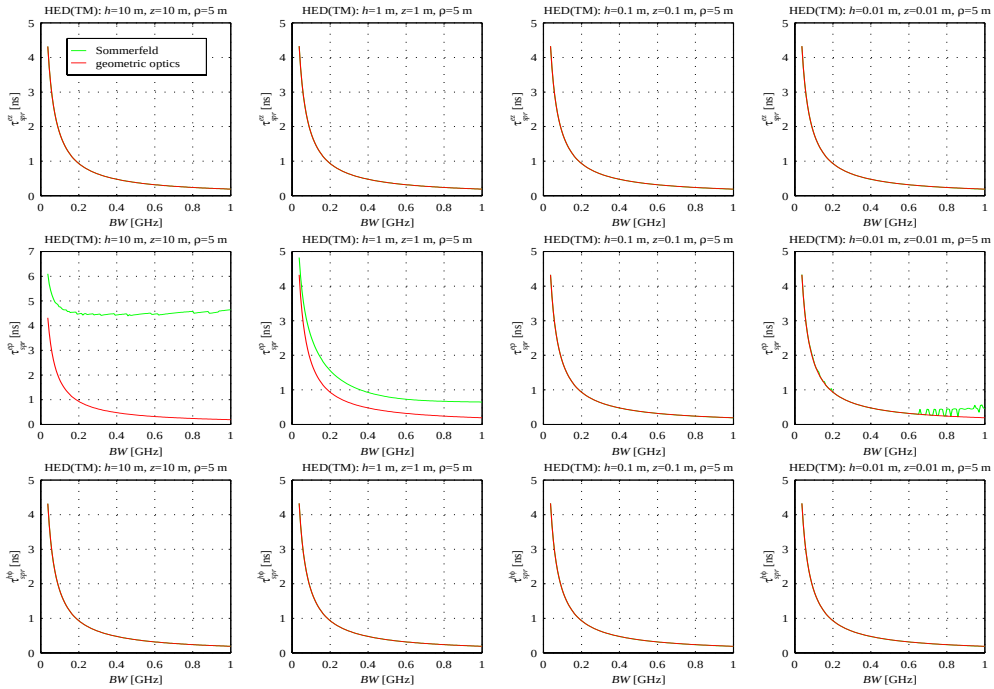

Figure D-11. Near-surface effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=2.4 GHz (Hamming window, threshold=-30 dB, φ=0°).

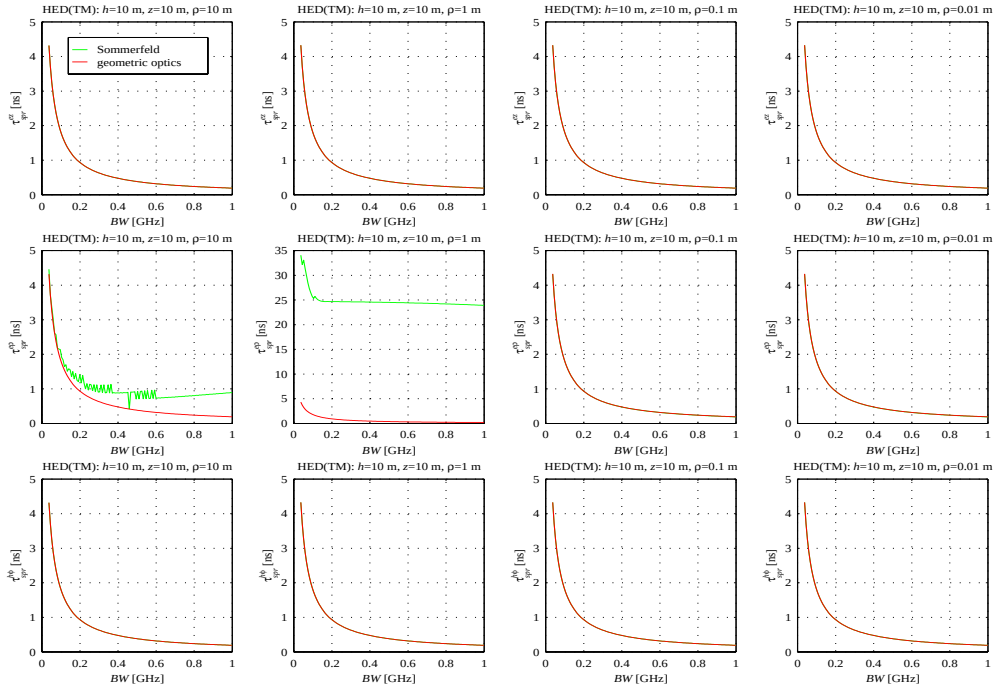

Figure D-12. Near-field effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=2.4 GHz (Hamming window, threshold=-30 dB, φ=0°).

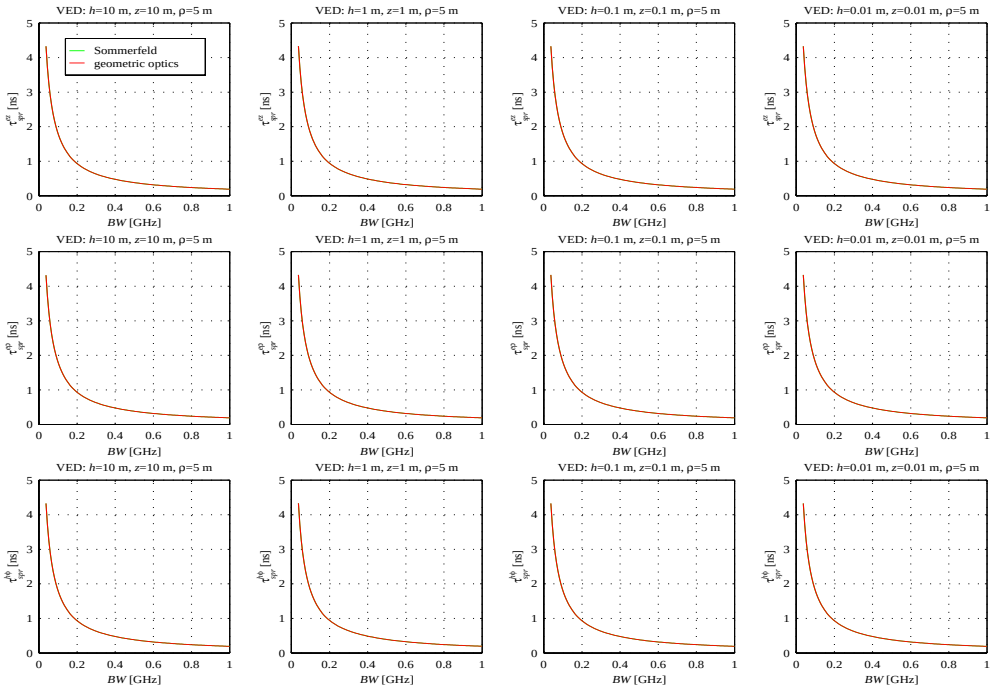

Figure D-13. Near-surface effects on delay spread versus bandwidth for a VED above a concrete half space at f_c=5.8 GHz (Hamming window, threshold=-30 dB).

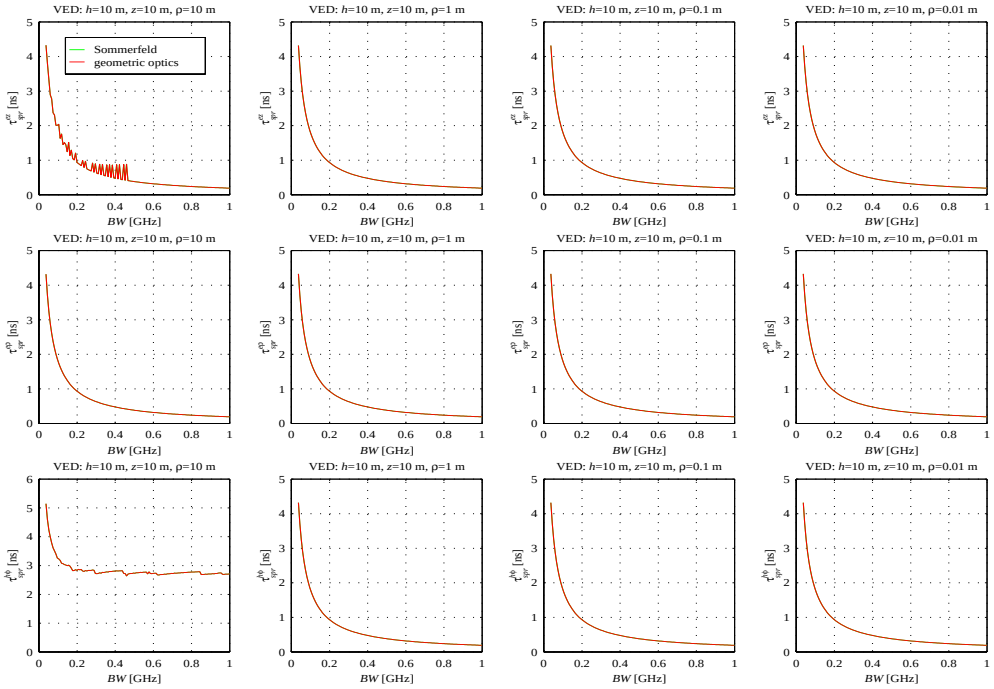

Figure D-14. Near-field effects on delay spread versus bandwidth for a VED above a concrete half space at f_c=5.8 GHz (Hamming window, threshold=-30 dB).

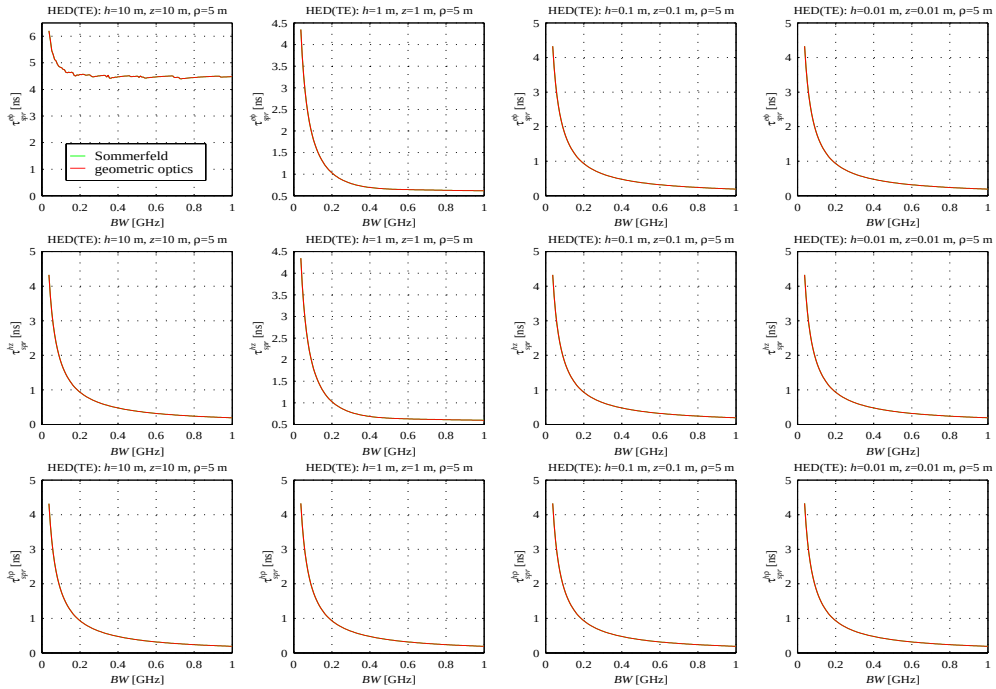

Figure D-15. Near-surface effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=5.8 GHz (Hamming window, threshold=-30 dB, φ=90°).

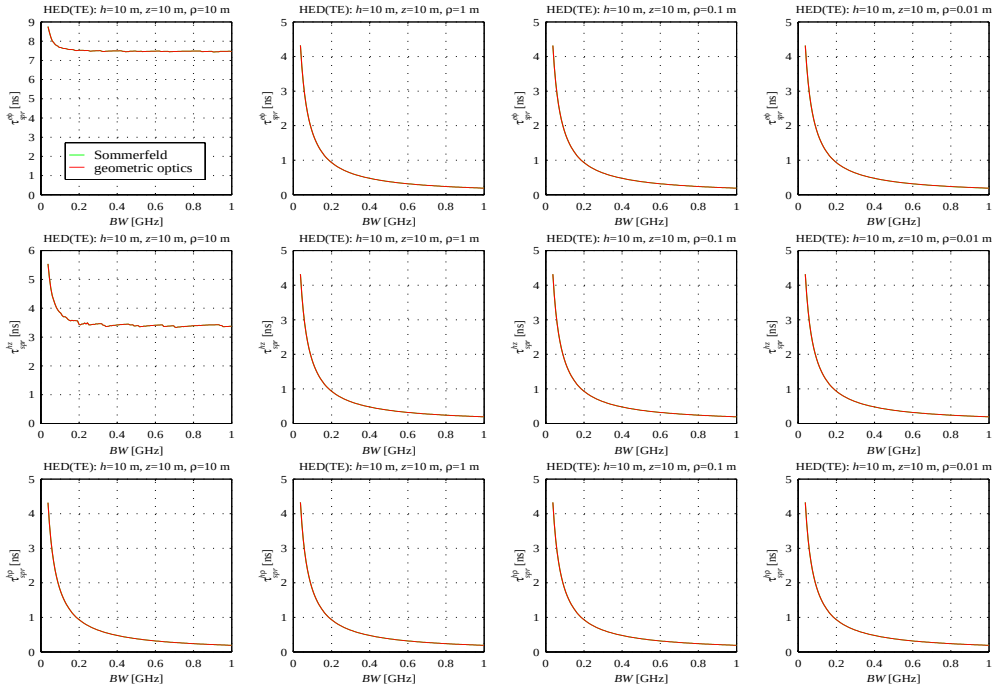

Figure D-16. Near-field effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=5.8 GHz (Hamming window, threshold=-30 dB, φ=90°).

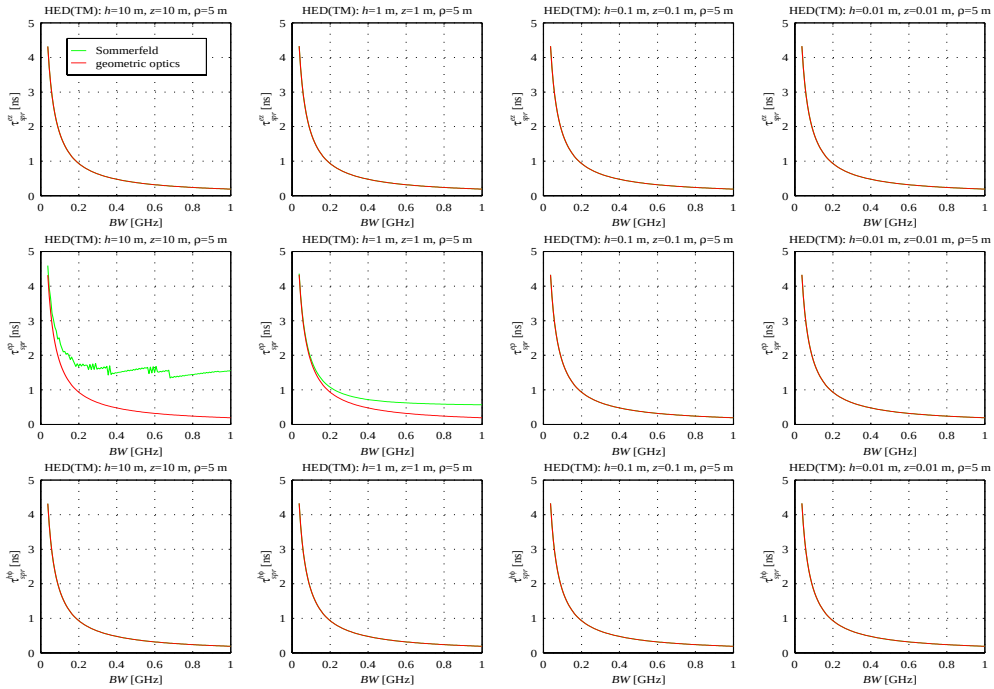

Figure D-17. Near-surface effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=5.8 GHz (Hamming window, threshold=-30 dB, φ=0°).

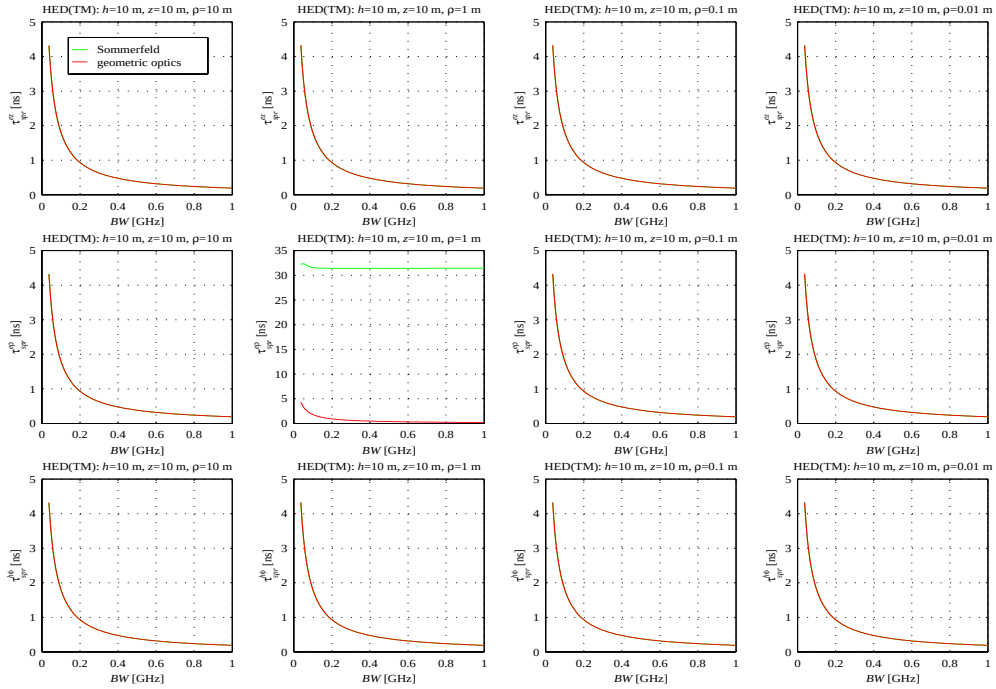

Figure D-18. Near-field effects on delay spread versus bandwidth for a HED above a concrete half space at f_c=5.8 GHz (Hamming window, threshold=-30 dB, φ=0°).