APPENDIX A: FIELD STRENGTH VERSUS FREQUENCY AND SEPARATION

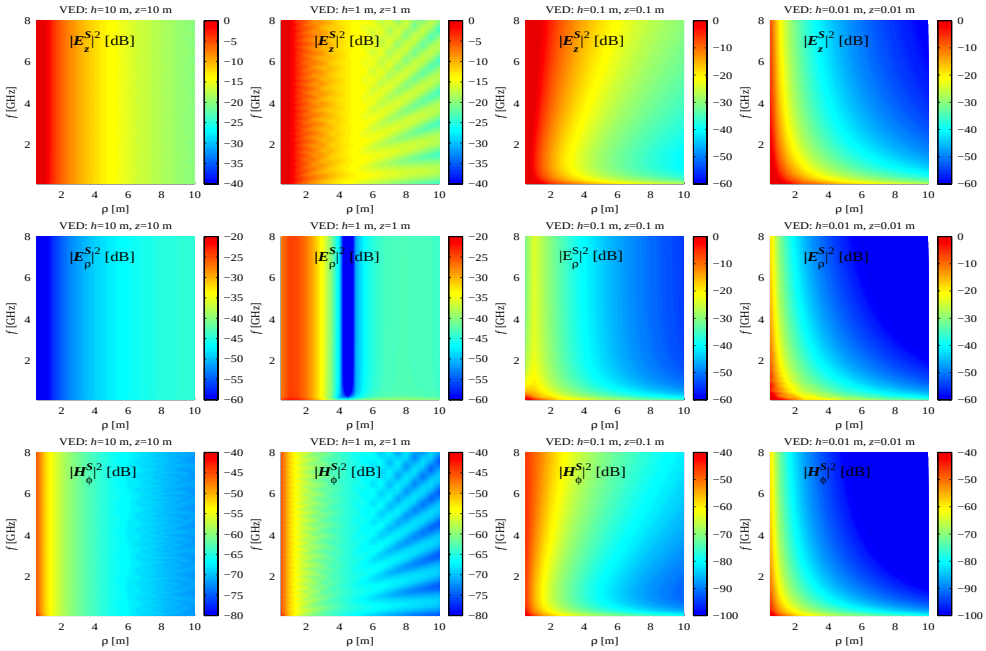

Figure A-1. Sommerfeld field strength of a VED above a concrete half space (h=z) versus frequency and horizontal separation.

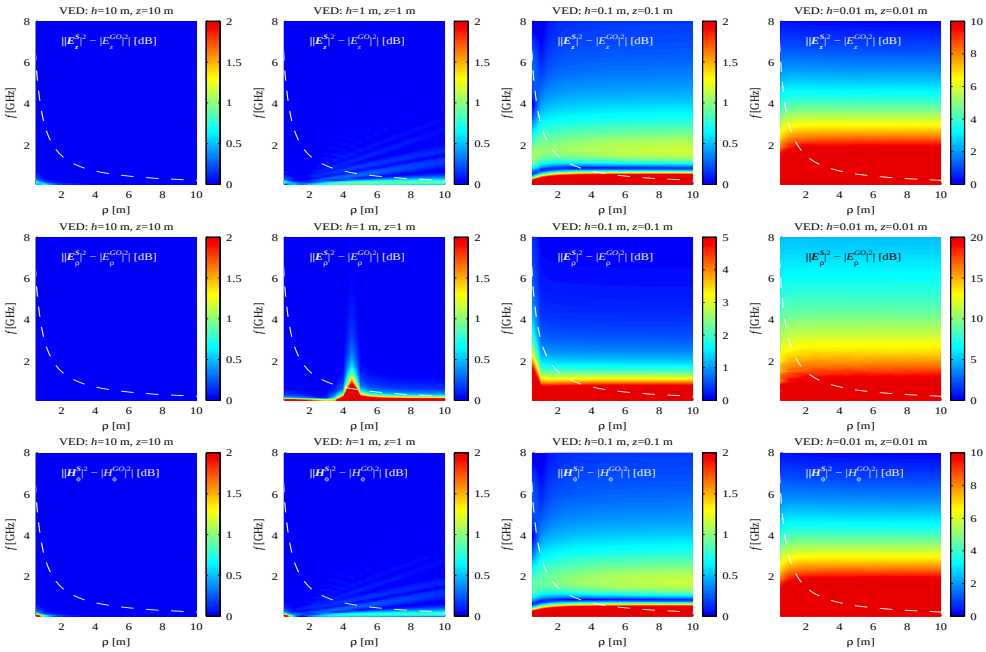

Figure A-2. Field strength residual error of a VED above a concrete half space (h=z) versus frequency and horizontal separation.

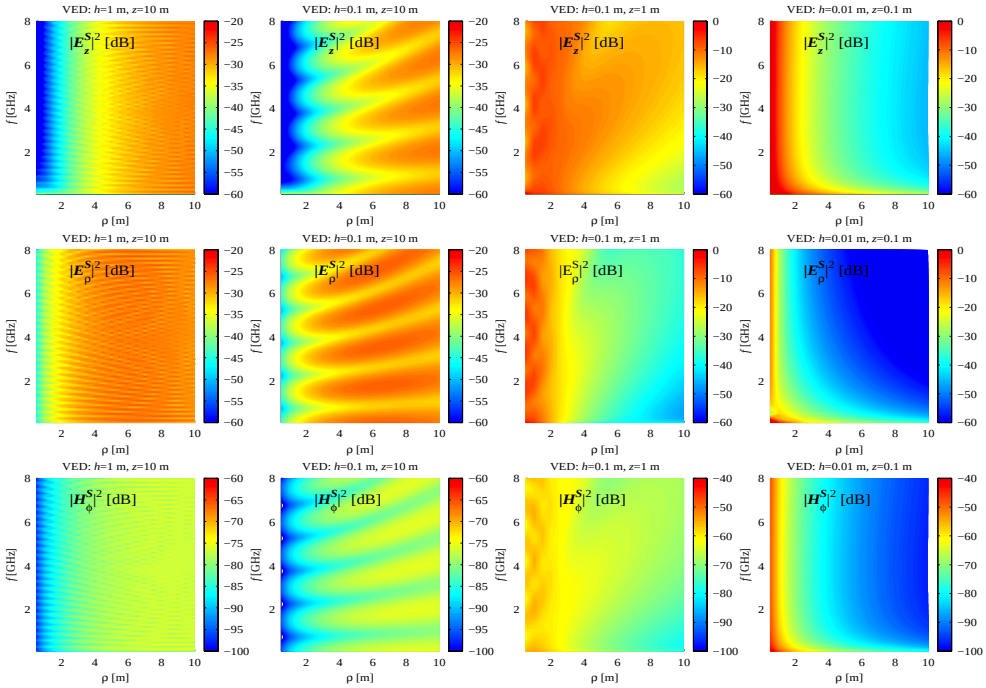

Figure A-3. Sommerfeld field strength of a VED above a concrete half space ($h \neq z$) versus frequency and horizontal separation.

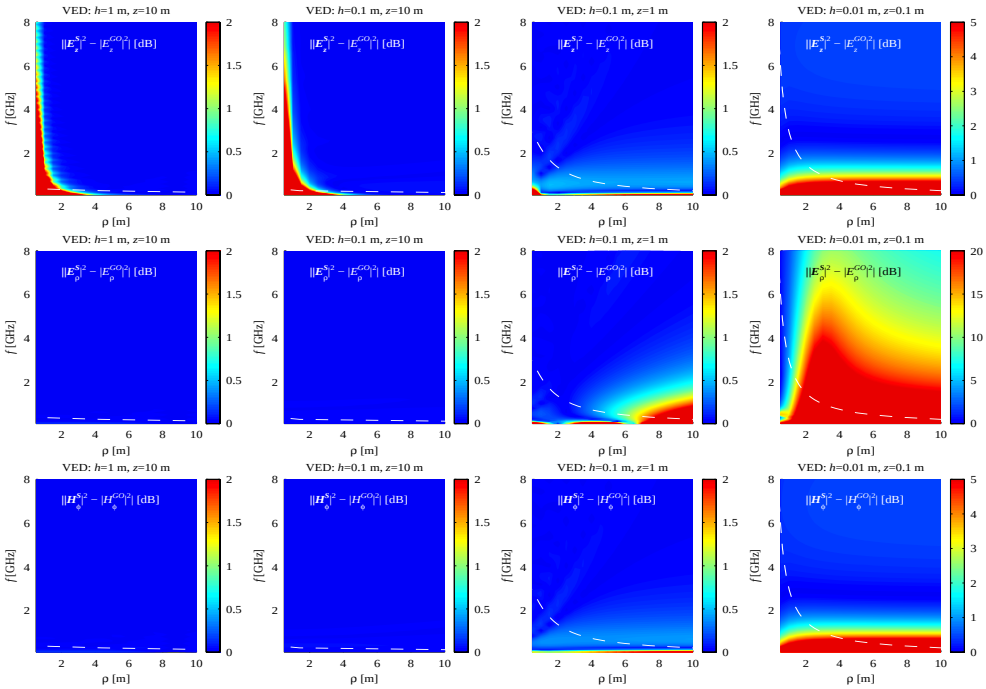

Figure A-4. Field strength residual error of a VED above a concrete half space ($h \neq z$) versus frequency and horizontal separation.

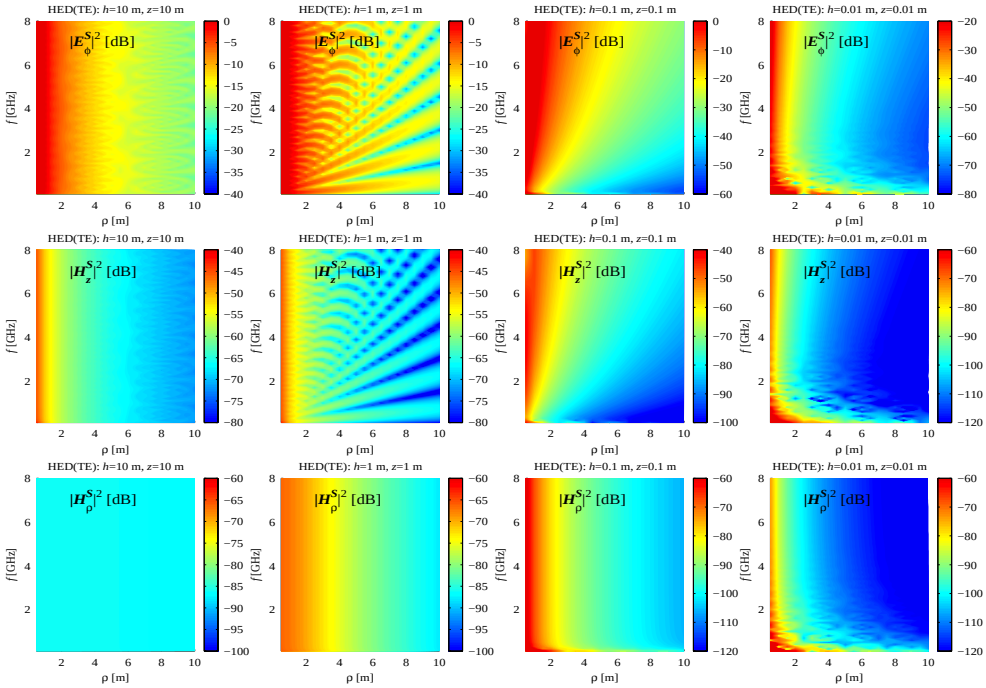

Figure A-5. Sommerfeld field strength of a HED above a concrete half space (h=z, φ=90°) versus frequency and horizontal separation.

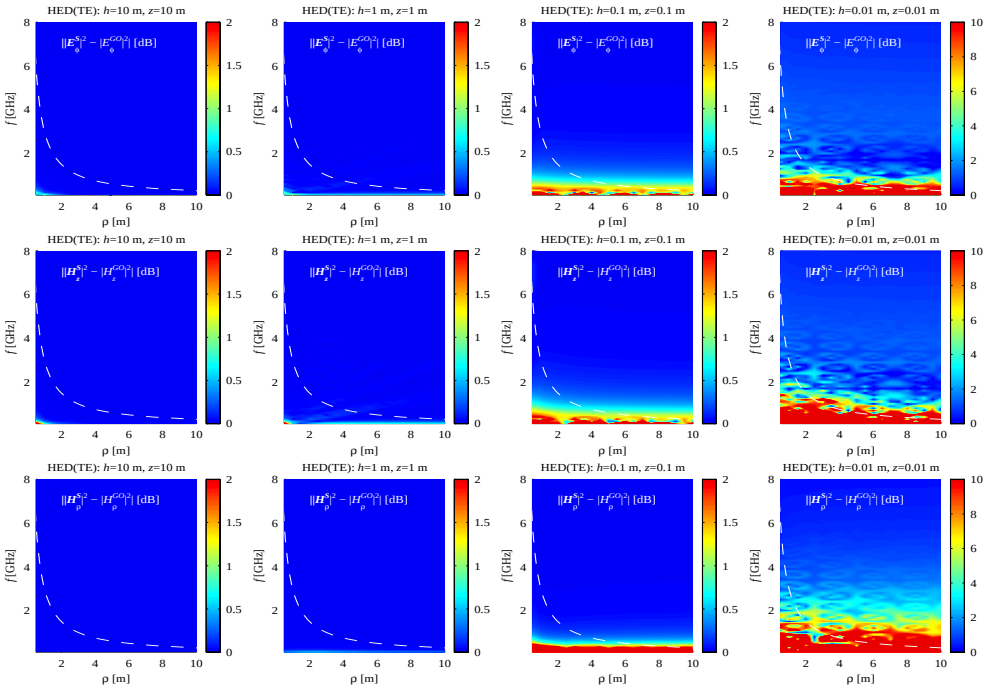

Figure A-6. Field strength residual error of a HED above a concrete half space (h=z, φ=90°) versus frequency and horizontal separation.

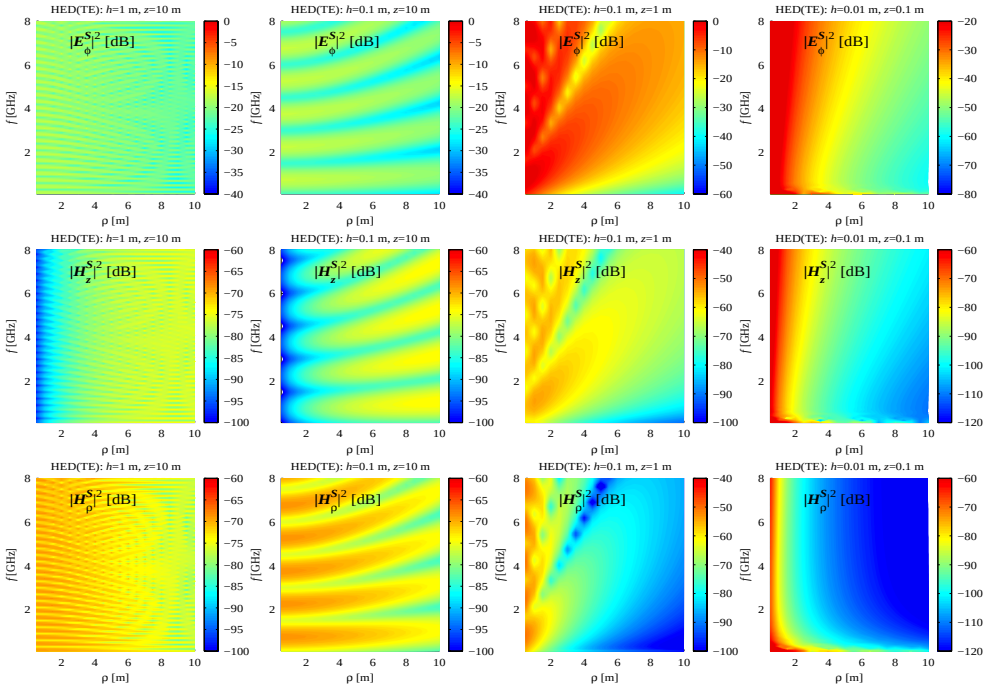

Figure A-7. Sommerfeld field strength of a HED above a concrete half space ($h \neq z$, φ=90°) versus frequency and horizontal separation.

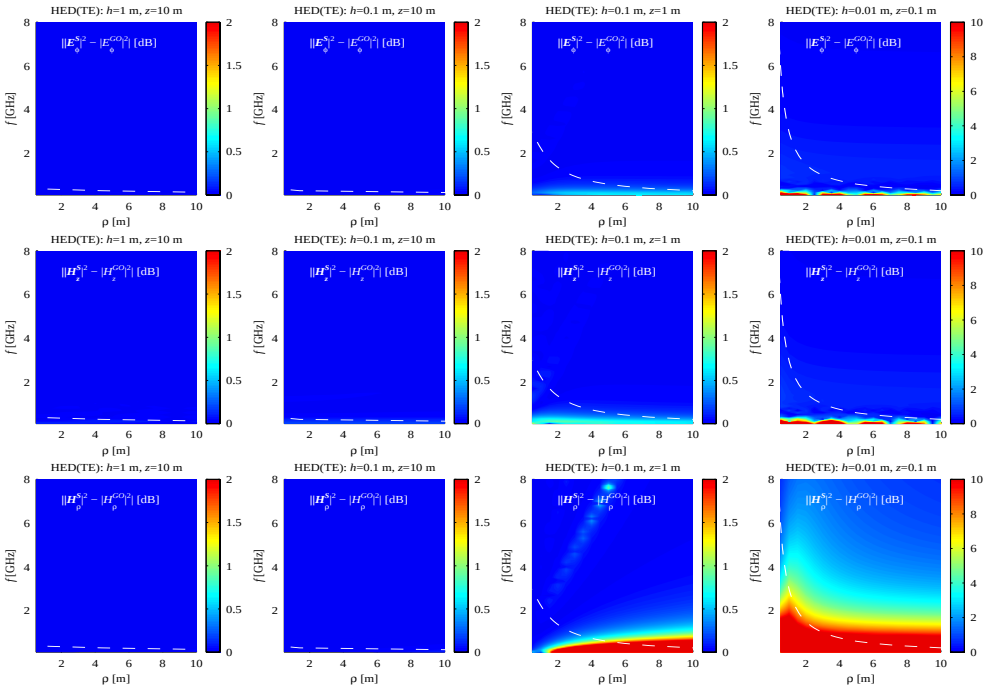

Figure A-8. Field strength residual error of a HED above a concrete half space ($h \neq z$, φ=90°) versus frequency and horizontal separation.

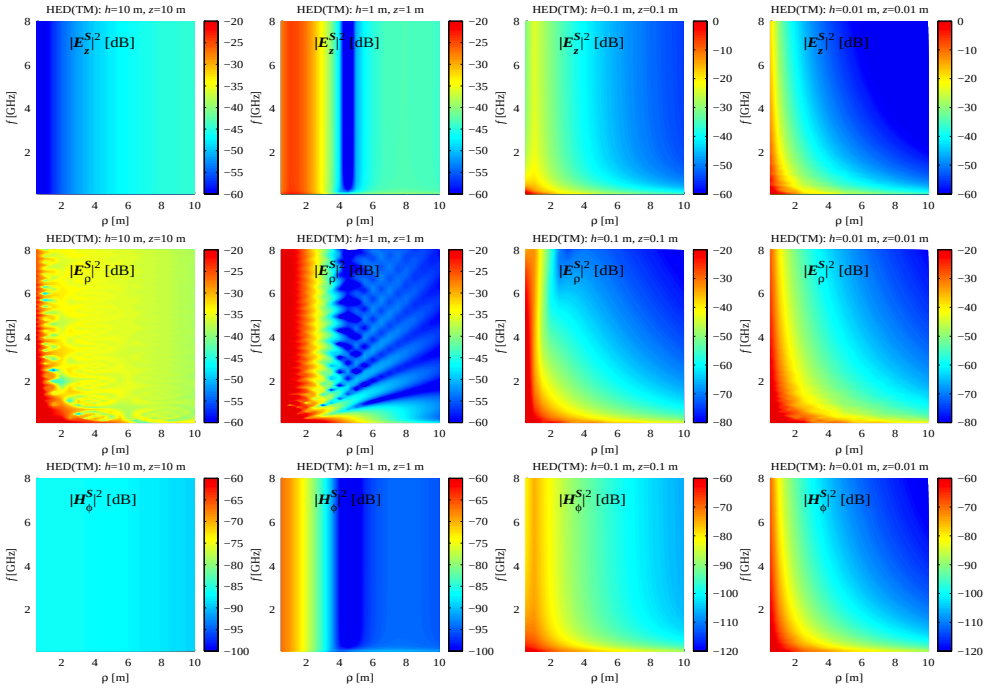

Figure A-9. Sommerfeld field strength of a HED above a concrete half space (h=z, φ=0°) versus frequency and horizontal separation.

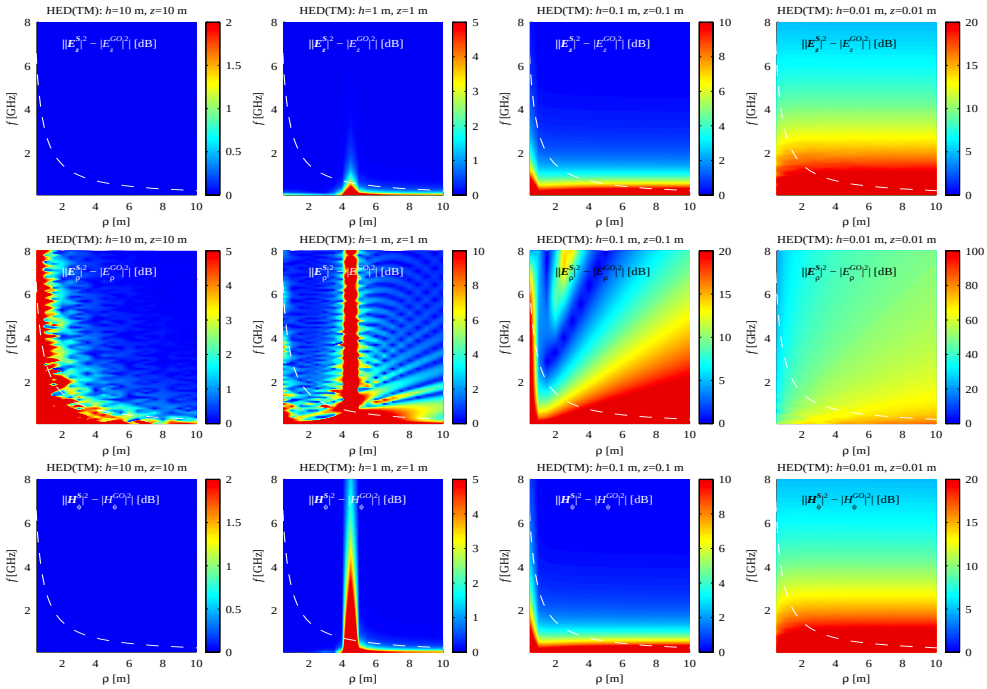

Figure A-10. Field strength residual error of a HED above a concrete half space (h=z, φ=0°) versus frequency and horizontal separation.

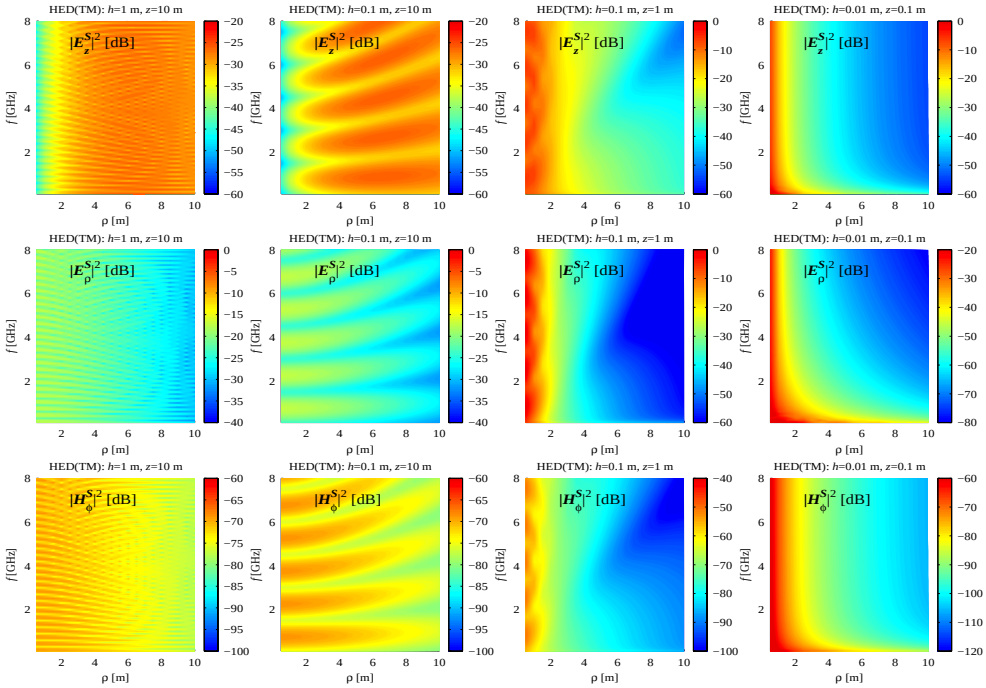

Figure A-11. Sommerfeld field strength of a HED above a concrete half space ($h \neq z$, $\varphi = 0°$) versus frequency and horizontal separation.

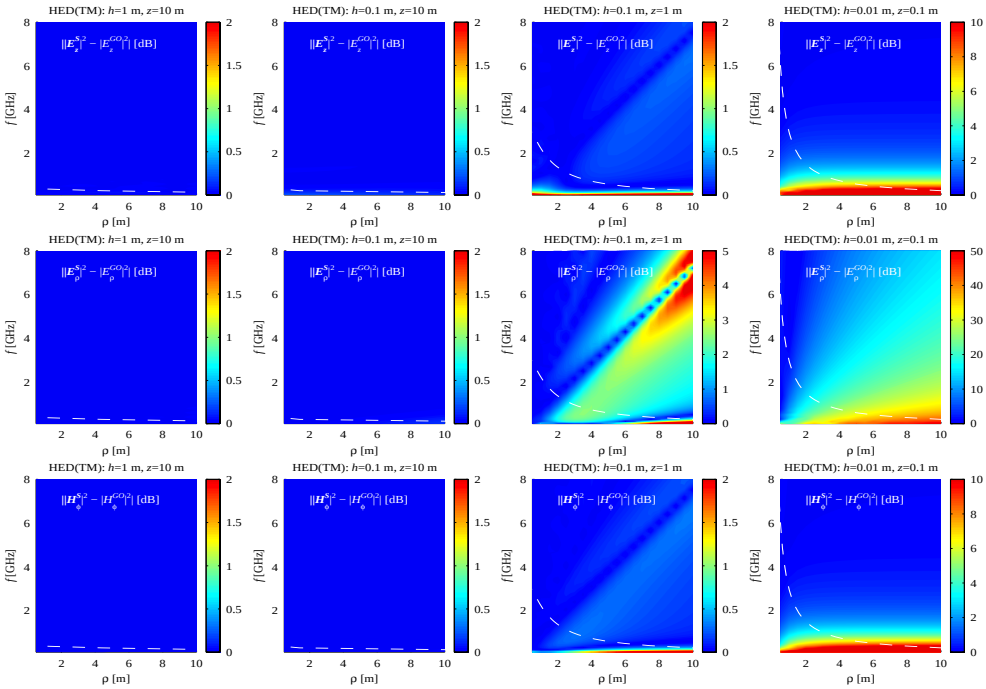

Figure A-12. Field strength residual error of a HED above a concrete half space ($h \neq z$, $\varphi = 0°$) versus frequency and horizontal separation.