Appendix C. Computed Radiation Patterns and Axial Ratios for the Hemispherical Helix

Each figure in this Appendix has two parts. Part (a) shows the far-field pattern of the 4.5-turn hemispherical helix discussed in section 4.4, while Part (b) illustrates the axial ratio.
Figure C-1  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.11\lambda_0$. (a) Radiation pattern, and (b) axial ratio.
Figure C-2  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.13\lambda$, (a) radiation pattern, and (b) axial ratio.
Figure C-3  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.15\lambda$, (a) radiation pattern, and (b) axial ratio.
Figure C-4  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.17\lambda$, (a) radiation pattern, and (b) axial ratio.
Figure C-5  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.19\lambda$, (a) radiation pattern, and (b) axial ratio.
Figure C-6  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.21\lambda$, (a) radiation pattern, and (b) axial ratio.
Figure C-7  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.24\lambda$, (a) radiation pattern, and (b) axial ratio.
Figure C-8  Computed antenna properties of 4.5-turn hemispherical helix with a circumference of $1.26\lambda$, (a) radiation pattern, and (b) axial ratio.