

## References

Antenna Theory. (n.d.). *Half-wave folded dipole antenna*. TutorialsPoint.

[https://www.tutorialspoint.com/antenna\\_theory/antenna\\_theory\\_half\\_wave\\_folded\\_dipole.htm](https://www.tutorialspoint.com/antenna_theory/antenna_theory_half_wave_folded_dipole.htm)

Antenna Theory. (n.d.). *Micro strip antennas*. TutorialsPoint.

[https://www.tutorialspoint.com/antenna\\_theory/antenna\\_theory\\_micro\\_strip.htm](https://www.tutorialspoint.com/antenna_theory/antenna_theory_micro_strip.htm)

Beentjes, R. (n.d.). *The rhombic antenna*. Antenna.be. <https://www.antenna.be/rh.html>

Bevelaqua, P. J. (n.d.). *Dipole antenna*. Antenna-Theory.com. <https://www.antenna-theory.com/antennas/dipole.php>

Choe, H. S., & Kang, K. (2015). *Slot antenna as a bound charge oscillator* [Image]. Semantic Scholar. <https://www.semanticscholar.org/paper/Slot-antenna-as-a-bound-charge-oscillator.-Choe-Kang/ab5f409a71672966cf6b7a59c4ccfb3b44203818/figure/2>

Dinesh Microwaves. (n.d.). *Microwave training kit*. <https://www.dineshmicrowaves.com/training-kits.html#microwave-training-kit>

Elprocus. (n.d.). *Monopole antenna: Construction, working, radiation pattern & applications*. <https://www.elprocus.com/monopole-antenna/>

Everything RF. (n.d.). *Waveguide sizes and frequency chart*. <https://www.everythingrf.com/tech-resources/waveguides-sizes>

Gusberti, A. (n.d.). *Loop antenna design: Small and large loops*. Gusberti Analog. <https://gusbertianalog.com/loop-antenna-design/>

Ham Stack Exchange. (2016, November 28). *Does mounting a ground plane antenna upside down change the takeoff angle?* [Online forum post].

## Sources EM Waveguide Antenna Compendium Theory Design and Pattern

<https://ham.stackexchange.com/questions/6325/does-mounting-a-ground-plane-antenna-upside-down-change-the-takeoff-angle>

Hum, S. V. (n.d.). *Antenna arrays II* [Lecture notes]. University of Toronto.

<https://www.waves.utoronto.ca/prof/svhum/ece422/notes/15-arrays2.pdf>

Kiani, S. H. (2023). *Radiation pattern for the 5-element Yagi antenna* [Image]. ResearchGate.

[https://www.researchgate.net/figure/Radiation-pattern-for-the-5-element-Yagi-antenna-It-has-104-dBi-gain-and-an\\_fig2\\_373697954](https://www.researchgate.net/figure/Radiation-pattern-for-the-5-element-Yagi-antenna-It-has-104-dBi-gain-and-an_fig2_373697954)

Lee, J. H., & Ham, S. H. (2018). *Miniaturization of log-periodic dipole array using Koch fractal geometry* [Image]. Semantic Scholar.

<https://www.semanticscholar.org/paper/Miniaturization-of-log-periodic-dipole-array-using-Lee-Ham/cd4f8c7f2d4a3a702f35ccfc98fff55850a7835f/figure/1>

Maniar, A. (2018, February 25). *A basic question about the meaning of dB of an antenna radiation pattern* [Online forum post]. Electronics Stack Exchange.

<https://electronics.stackexchange.com/questions/349433/a-basic-question-about-the-meaning-of-db-of-an-antenna-radiation-pattern>

Microwave Engineering. (n.d.). *Microwave engineering - waveguides*. TutorialsPoint.

[https://www.tutorialspoint.com/microwave\\_engineering/microwave\\_engineering\\_waveguides.htm](https://www.tutorialspoint.com/microwave_engineering/microwave_engineering_waveguides.htm)

Pfeiffer, C., & Grbic, A. (2015). *Normalized radiation patterns of the two-element folded dipole-driven quasi-Yagi array* [Image]. ResearchGate.

[https://www.researchgate.net/figure/Normalized-radiation-patterns-of-the-two-element-folded-dipole-driven-quasi-Yagi-array-at\\_fig6\\_276041680](https://www.researchgate.net/figure/Normalized-radiation-patterns-of-the-two-element-folded-dipole-driven-quasi-Yagi-array-at_fig6_276041680)

## Sources EM Waveguide Antenna Compendium Theory Design and Pattern

Radartutorial. (n.d.-a). *Antennas: Half-wave antenna.*

<https://www.radartutorial.eu/06.antennas/Half-wave%20Antenna.en.html>

Radartutorial. (n.d.-b). *Waveguides.*

<https://www.radartutorial.eu/03.linetheory/Waveguides.en.html>

Raymaps. (2023). *Dipole antenna.* <https://www.raymaps.com/index.php/dipole-antenna/>

ScienceDirect. (n.d.). *Waveguide - an overview.*

<https://www.sciencedirect.com/topics/engineering/waveguide>

Stark, B. (2022, April 14). *Analyzing operating mode options for helical antennas.*

COMSOL Blog. <https://www.comsol.it/blogs/analyzing-operating-mode-options-for-helical-antennas>

Vatankhahansari, M. (2020). *Total field patterns of two dipole antenna array with  $\lambda/4$  element spacing* [Image]. ResearchGate.

<https://www.researchgate.net/publication/343717086/figure/fig1/AS:933784425857027@1599642964406/Total-field-patterns-of-two-dipole-antenna-array-with-l-4-element-spacing-and-different.png>

Yagi-Uda. (n.d.). *Seven elements Yagi-Uda antenna.* [https://yagi-uda.com/seven\\_elements\\_yagi-uda.php](https://yagi-uda.com/seven_elements_yagi-uda.php)