

DAFTAR PUSTAKA

1. Guo Qing Luo, Zhi Fang Hu, Lin Xi Dong LLS. Planar slot antenna backed by substrate integrated waveguide cavity. *Microw Opt Technol Lett.* 2008;7.
2. Luo GQ, Hu ZF, Li WJ, Zhang XH, Sun LL, Zheng JF. Bandwidth-enhanced low-profile cavity-backed slot antenna by using hybrid SIW cavity modes. *IEEE Trans Antennas Propag.* 2012;60(4):1698–704.
3. Yun S, Kim DY, Nam S. Bandwidth and efficiency enhancement of cavity-backed slot antenna using a substrate removal. *IEEE Antennas Wirel Propag Lett.* 2012;11:1458–61.
4. Razavi SA, Neshati MH. Development of a linearly polarized cavity-backed antenna using HMSIW technique. *IEEE Antennas Wirel Propag Lett.* 2012;11(3):1307–10.
5. Yun S, Kim DY, Nam S. Bandwidth enhancement of cavity-backed slot antenna using a Via-hole above the slot. *IEEE Antennas Wirel Propag Lett.* 2012;11:1092–5.
6. Mbaye M, Hautcoeur J, Talbi L, Hettak K. Bandwidth broadening of dual-slot antenna using substrate integrated waveguide (SIW). *IEEE Antennas Wirel Propag Lett.* 2013;12:1169–71.
7. Jin C, Li R, Alphones A, Bao X. Quarter-mode substrate integrated waveguide and its application to antennas design. *IEEE Trans Antennas Propag.* 2013;61(6):2921–8.
8. Tao Y, Shen ZX. Broadband Substrate Integrated Waveguide Cavity-Backed Bow-Tie Slot Antenna. *J Electromagn Waves Appl.* 2009;23(16):2099–108.
9. Dashti H, Neshati MH. Development of low-profile patch and semi-circular SIW cavity hybrid antennas. *IEEE Trans Antennas Propag.* 2014;62(9):4481–8.
10. Astuti DW, Rahardjo ET. Size Reduction of Cavity Backed Slot Antenna

- using Half Mode Substrate Integrated Waveguide Structure. 4th Int Conf Nano Electron Res Educ Towar Adv Imaging Sci Creat ICNERE 2018. 2019;1–4.
11. Niu, Bing-Jian JHT. [23] Bandwidth enhancement of low-profile SIW cavity antenna using fraction modes.pdf.
 12. Astuti DW, Asvial M, Zulkifli FY, Rahardjo ET. Bandwidth enhancement on half-mode substrate integrated waveguide antenna using cavity-backed triangular slot. *Int J Antennas Propag.* 2020;2020.
 13. Xiang L, Zhang Y, Yu Y, Hong W. Characterization and Design of Wideband Penta- And Hepta-Resonance SIW Elliptical Cavity-Backed Slot Antennas. *IEEE Access.* 2020;8:111987–94.
 14. Zhou J, Yang M. A Low-Profile Eighth-Mode SIW Antenna With Dual-Sense Circular Polarization, Enhanced Bandwidth and Simple Structure. *IEEE Access.* 2021;9:144375–84.
 15. Qin J, Fu X, Sun M, Ren Q, Chen A. Frequency Reconfigurable Antenna Based on Substrate Integrated Waveguide for S-Band and C-Band Applications. *IEEE Access.* 2021;9:2839–45.
 16. Zhang X, Tan TY, Wu Q Sen, Zhu L, Zhong S, Yuan T. Pin-Loaded Patch Antenna Fed with a Dual-Mode SIW Resonator for Bandwidth Enhancement and Stable High Gain. *IEEE Antennas Wirel Propag Lett.* 2021;20(2):279–83.
 17. Dash SKK, Cheng QS, Barik RK, Jiang F, Pradhan NC, Subramanian KS. A Compact SIW Cavity-Backed Self-Multiplexing Antenna for Hexa-Band Operation. *IEEE Trans Antennas Propag.* 2021;70(3):2283–8.
 18. Sarani AV, Neshati MH, Fazelifar M. International Journal of Electronics and Communications Development of a wideband hexagonal SIW cavity-backed slot antenna array. *AEUE - Int J Electron Commun [Internet].* 2021;139(July):153915. Available from: <https://doi.org/10.1016/j.aeue.2021.153915>

19. Astuti DW, Wahyu Y, Zulkifli FY, Rahardjo ET. Hybrid HMSIW Cavities Antenna With a Half-Pentagon Ring Slot for Bandwidth Enhancement. IEEE Access. 2023;11:18417–26.
20. Hosseinitalab B, Neshati MH. International Journal of Electronics and Communications Development of hybrid resonator antennas using elliptical cavity and microstrip patch radiator. AEUE - Int J Electron Commun [Internet]. 2023;171(September):154924. Available from: <https://doi.org/10.1016/j.aeue.2023.154924>
21. Huang Y shan, Member GS, Zhou L, Member S, Xu Q hao. A W-Band Self-Packaged SIW-Based Slot Antenna. IEEE Trans Antennas Propag. 2023;71(3):2158–66.
22. Chaturvedi D, Althuwayb AA, Kumar A. Bandwidth enhancement of a planar SIW cavity - backed slot antenna using slot and metallic - shorting via. Appl Phys A [Internet]. 2022;128(3):1–7. Available from: <https://doi.org/10.1007/s00339-022-05309-2>
23. Balanis CA. Antenna Theory Analysis and Design 3rd Edition. 2016.

