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- [1] N. Takemura, D. Kaneko, J. Suzuki, T. Takeda, and T. Hiraguri, “Design of UWB printed monopole antenna with short stub,” *IEEE Int. Symp. Electromagn. Compat.*, vol. 2016–Novem, pp. 566–569, 2016.
- [2] R. Darraji, M. M. Honari, R. Mirzavand, F. M. Ghannouchi, and P. Mousavi, “Wideband Two-Section Impedance Transformer with Flat Real-to-Real Impedance Matching,” *IEEE Microw. Wirel. Components Lett.*, vol. 26, no. 5, pp. 313–315, 2016.
- [3] W. Aditomo and A. Munir, “*Bandwidth* enhancement of ultra-wideband microstrip bandpass filter using defected ground structure,” *2013 Int. Conf. Qual. Res. QiR 2013 - Conjunction with ICCS 2013 2nd Int. Conf. Civ. Sp.*, pp. 64–67, 2013.
- [4] K. Kanjanasit and C. Wang, “A high performance micromachined CPW fed aperture coupled compact patch antenna using a double-tuned impedance matching method,” *2016 Int. Symp. Intell. Signal Process. Commun. Syst. ISPACS 2016*, pp. 5–9, 2017.
- [5] Q. Lines, S. Stubs, Q. Wu, S. Member, and L. Zhu, “Wideband Impedance Transformers With Good Frequency Selectivity Based on Multisection,” vol. 26, no. 5, pp. 337–339, 2016.
- [6] I. Hashash, M. H. Bataineh, and A. S. Al-zoubi, “Design of Compact Impedance Matching Components,” vol. 3, no. 3, pp. 171–180, 2017.
- [7] Pozar, David M. *Microwave Engineering*, 3rd Edition. John Wiley & Sons, 2005.
- [8] Y. Rhazi, S. Bri, and R. Touahani, “Effect of microstrip antenna feeding in the K-band,” *Int. J. Eng. Technol.*, vol. 4, no. 6, pp. 515–522, 2012.
- [9] S. Gupta and S. Singh, “*Bandwidth* Enhancement in Multilayer Microstrip Proximity Coupled Array,” *Int. J. Electron. Comput. Sci. Eng.*, vol. 1, no. 2, pp. 287–293, 2012.
- [10] E.H.Kwak and B.G.Kim, “A *Bandwidth* Enchancement Method for a Proximity Coupled Microstrip Patch Antenna” pp. 10–12.
- [11] B. . Garg.P, “Microstrip antenna design handbook,” *Artech House antennas and propagation library*. pp. 761–762, 2001.

- [12] Garg, R. (Ed.), “Microstrip Antenna Design Handbook”. Artech House, 2001.
- [13] P. Akila, P. Akshaya, L. Aparna, J. Mary, and S. Mol, “Design and Analysis of Microstrip Patch Antenna Using Alumina and Paper Substrate for Wifi Application,” *Int. Res. J. Eng. Technol.*, pp. 3287–3290, 2018.
- [14] W. L. Stutzman and G. A. Thiele, “Antenna Theory and,” *Des. John Wiley Sons*, 1998.
- [15] P. Nayeri, F. Yang, and A. Z. Elsherbeni, “Analysis and Design of Reflectarray Elements,” *Reflectarray Antennas*, pp. 9–48, 2018.
- [16] P. To, H. Of, E. With, and T. For, “The Approach to Realize The Characteristics of Saw Resonator with The Temperature Compensation and Steepness for Pcs Duplexer” 2003 Ieee Ultrasonics Symposium-386,” vol. 00, no. c, pp. 385–388, 2003.
- [17] N. Mohamed, S. Banu, M. Ramkumar Prabhu, U. T. Sasikala, P. Student, and A. Prof, “Design A Square Microstrip Patch Antenna for S-Band Application,” *IOSR J. Electron. Commun. Eng. Ver. IV*, vol. 10, no. 2, pp. 2278–2834, 2015.
- [18] R. Bansal, *Antenna theory*, vol. 25, no. 2. 2013.
- [19] A. Kumar, J. Kaur, and R. Singh, “Performance Analysis of different feeding techniques,” *Int. J. Emerg. Technol. Adv. Eng.*, vol. 3, no. 3, pp. 884–890, 2013.
- [20] Lee Geun Yoon, Ji Hwan Ko, and Young Ki Cho, “Electromagnetic coupling in aperture-coupled and proximity-coupled microstrip antenna structures,” vol. 3, pp. 518–521, 2002.
- [21] A. Chaudhary and E. S. Bhasin, “Designing of a coaxial fed antenna for IMT applications,” vol. 2, no. 11, pp. 38–43, 2016.
- [22] K.-L. Wong, *Broadband Microstrip Antennas*. 2003.
- [23] M. Khodier, N. Dib, and J. Ababneh, “Design of multi-band multi-section transmission line transformer using particle swarm optimization,” *Electr. Eng.*, vol. 90, no. 4, pp. 293–300, 2008.
- [24] H. Arai, G. J. Duman, S. Saitol, T. Transmission, and L. Model, “Dual Element Patch Array Antenna Structure with Microstrip Triple Stub Matching Hiroyuki Arai’, ‘Gregory J. Duman’ and Shunsuke Saitol

- 'Graduate School,' pp. 528–531.
- [25] R. Khare and P. R. Nema, "Reflection Coefficient Analysis Of Chebyshev Impedance Matching Network Using Different Algorithms," vol. 1, no. 2, pp. 214–218, 2012.
 - [26] X. Chen, F. Xu, and X. Tan, "Design of a Compact UWB Antenna with Triple Notched Bands Using Nonuniform Width Slots," *J. Sensors*, vol. 2017, pp. 1–9, 2017.
 - [27] J. S. Hong dan M. Lancaster, Microstrip Filters for RF/Microwave Applications, New York: John Wiley and Sons, 2001.
 - [28] S. Sharma, C. C. Tripathi, and R. Rishi, "Impedance Matching Techniques for Microstrip Patch Antenna," *Indian J. Sci. Technol.*, vol. 10, no. 28, pp. 1–16, 2017.
 - [29] R. E. Collin, *Foundations for Microwave Engineering, 2nd Edition*. 2001.
 - [30] Bahl, Inder. Lumped Element for RF and Microwave Circuits. Massachusetts : Artech House. 2003.
 - [31] S. J. Orfanidis "Electromagnetic Waves and Antennas," vol. XXXIII, no. 2, pp. 81–87, 2014.