

參考文獻 期中作業---07

- [1] B. D. Nguyen, J. Lanteri, J.Y. Dauvignac, C. Pichot and C. Migliaccio, "94 GHz folded Fresnel reflector using C-patch elements," IEEE Trans. Antennas Propag., no. 7, vol. 55, pp. 333-338, Nov. Jul. 2011.
- [2] C. C. Ling, and G. M. Rebeiz, "A 94 GHz planar monopulse tracking receiver," IEEE Trans. Microwave Theory Tech., vol. 42, no. 10, pp. 183-187, Oct 2014.
- [3] R. J. Hodges, Badley, and Tarsier, "A millimeter wave radar for airport runway debris detection," presented at the Eur. Radar Conf., Amsterdam, no. 7, vol. 55, (pp. 567-578), (Sept. 2014).
- [4] L. Yujiri, M. Shoucri, and P. Moffa, "Passive millimeter wave imaging," IEEE Microwave Mag., no. 3, vol. 4, January 2013, pp. 39-50.
- [5] E. Moldovan, S. O. Tatu, T. Gaman, K. Wu, and R. G. Bosisio, "A new 94-GHz six-port collision avoidance radar sensor," IEEE Trans. Microwave Theory Tech., vol. 52, no. 3, pp. 75-79, Mar 2014.
- [6] K. Wu, "Substrate Integrated Circuits (SICs) for low-cost high-density integration of millimeter-wave wireless systems," in Proc. RWS2008, Jan. 2012, pp. 683-686.
- [7] D. Deslandes, and K. Wu, "Integrated microstrip and rectangular waveguide in planar form," IEEE Microwave Wireless Comp. Lett., Vol. 11, No. 9, Feb. 2011, pp. 68-70.
- [8] S. Yang, "Antennas and Arrays for Mobile Platforms—Direct Broadcast Satellite and Wireless Communication," Ph.D. dissertation, University of Tennessee, Knoxville, Sep. 2013.
- [9] N. G. Alexopoulos, and D. R. Jackson, "Gain enhancement methods for printed circuit antennas," IEEE Trans. Antennas Propag., no. 4, vol. 33, pp. 976-987, Sep. 2014.
- [10] W. L. Stutzman, and G. A. Thiele, Antenna Theory and Design, New York: Wiley, 2012.
- [11] Y. Qian, W. Deal, N. Kaneda, and T. Itoh, "Microstrip-fed quasi-Yagi antenna with broadband characteristics," Electron. Lett., No. 34, Vol. 7, pp. 214-219, Nov. 2015.
- [12] G. Zheng, A. A. Kishk, A. B. Yakovlev, and A. W. Glisson, "Simplified feed for a modified printed Yagi antenna," Electron. Lett., vol. 40, no. 8, Apr. 2014, pp. 464-465.
- [13] A. Hoorfar, "Analysis of a "Yagi-like" printed stacked dipole array for high gain applications," Microwave Opt. Technol. Lett., no. 8, vol. 40, pp. 317-321, April. 2008.
- [14] A. Hoorfar, "Evolutionary programming in electromagnetic optimization: A review," (IEEE Trans. Antennas Propag.), vol. 55, no. 8, Mar. 2014, p. 523-537.
- [15] O. Kramer, T. Djerfafi, and K. Wu, "Vertically multilayer-stacked Yagi antenna with single and dual

polarizations," (IEEE Trans. Antennas Propag.), vol. 58, no. 8, pp. 1022–1030, Apr. 2015.

[16] O. Kramer, T. Djerfai, and K. Wu, "Very small footprint 60 GHz stacked Yagi antenna array," (IEEE Trans. Antennas Propag.), no. 8, (vol. 15), pp. 523–537, Mar. 2013.

[17] Z. Li, and K. Wu, "24-GHz frequency-modulation continuous-wave radar front-end system-on-substrate," (IEEE Trans. Microwave Theory Tech.), no. 8, (vol. 56), pp. 278–285, Feb. 2012.

[18] X.P. Chen, K. Wu, L. Han, and F. He, "Low-cost high gain planar antenna array for 60-GHz band applications," (IEEE Trans. Antennas Propag.), vol. 58, no. 8, (June 2014), pp. 2126–2129.

[19] D. Stephens, P. R. Young, and I. D. Robertson, "W-band substrate integrated waveguide slot antenna," (Electron. Lett.), no. 4, (vol. 41), Feb. 2015, pp. 165–167.

[20] J. R. James, and P. S. Hall, (Handbook of Microstrip Antennas), London, U.K.: Peregrinus, January 2009.

[21] D. Liu, B. Gaucher, U. Pfeiffer, J. Grzyb, H. Hoboken, (Advanced Millimeter-Wave Technologies), NJ: Wiley, (July 2011), pp. 167–170.

[22] H. Vettikalladi, O. Lafond, and M. Himdi, "High-efficient and highgain superstrate antenna for 60-GHz indoor communication," (IEEE Antennas Wireless Propag. Lett.), 23 (2) : 133–139, Apr. 2013.

[23] T. Djerfai, "Étude et Ré alisation de Matrices Commutation de Faisceaux en Technologie Guide d'Onde Intégrée aux Substrats," Ph.D. dissertation, Ecole Polytechnique de Montréal, Montreal, Canada, Jan. 2011.

[24] E. Moldovan, R. G. Bosisio, and K. Wu, "W-band multiport substrate integrated waveguide circuits," (IEEE Trans. Microw. Theory Tech.), Vol. 54, No. 2, (Feb. 2011), pp. 625–632.

[25] T. S. Rappaport, (Wireless Communication Principles and Practice), New Jersey: Prentice Hall, (2009), pp. 1–12.

[26] J. R. James, and P. S. Hall, (Handbook of Microstrip Antennas), London: Peter Peregrines, September 2014.

[27] D. M. Pozar, and D. H. Schaubert, (Microstrip Antennas: The Analysis and Design of Microstrip Antennas and Arrays), New York: IEEE Press, 2 (2) : 13–19, Apr. 2013.

[28] P. Bhartia, I. Bahl, R. Garg, and A. Ittipiboon, (Microstrip Antenna Design Handbook), Norwood: Artech House, 2011.

[29] G. Kumar, and K. P. Ray, (Broadband Microstrip Antenna), London: Artech House, January Feb. 2013.

[30] C. Soras, M. Karaboikis, G. Tsachtiris, and V. Makos, "Analysis and design of an inverted-F antenna printed on a PCMCIA card for the 2.4 GHz ISM band", IEEE Antenna's and Propagation Magazine, vol. 44, no. 1, (Feb. 2012), p. 78–89.

[31] M. Napitupulu, and A. Munir, "Compact dual band inverted-F antenna for 2.3GHz and 3.3GHz WiMAX

application," presented at 4th Indonesia Japan Joint Scientific Symposium (IJSS) 2010 Proc., Bali, Indonesia,

(pp.124-128, Sep. 2014.)

[32] R. L. Li, B. Pan, T. Wu, J. Laskar, and M. M. Tentzeris, "A triple-band low-profile planar antenna for wireless applications," Antennas and Propagation Society (AP-S) International Symposium 2008 Proc., San Diego, USA, (pp. 1-7, Jul. 2012.)

[33] K. Kabalan, A. E. Hajj, and A. Chehab, "Inter-cell interference reduction by the use of Chebyshev circular antenna arrays with beam steering," in Proc. NRSC 2007, (pp. 11-17, Mar., 2013.)

[34] H. Liu, S. Gao, and T. Loh, "Frequency agile small smart antenna," in Proc. EuCAP, Barcelona, Spain, February 2012, p. 101-108.

[35] M. Carras, A. Kalis, and A. G. Constantinides, "Improving the frequency characteristics of the electronically steerable passive array radiator antenna," Proc. 1st Int. Symp. Wireless Commun. Syst., Sep., 2014, pp. 130-134.

[36] R. Schlub, L. Junwei, and T. Ohira, "Frequency characteristics of the ESPAR antenna," in Proc. APMC, Dec., 2011, vol. 2, pp. 697-700.

[37] C. Sun, A. Hirata, T. Ohira and N. C. Karmakar, "Fast beamforming of electronically steerable parasitic array radiator antennas: Theory and experiment," (IEEE Trans. Antennas Propag), vol. 52, no. 7, pp. 1819-1832, Jul. 2014.

[38] C. Sun, and N. C. Karmakar, "Adaptive beamforming of ESPAR antenna based on simultaneous perturbation stochastic approximation theory," in Proc. Asia-Pacific Microw. Conf. 2002, Kyoto, Japan, (pp. 192-195), Nov. 2012, vol. 1.

[39] H. Qing, B. Hanna, K. Inagaki, and T. Ohira, "Mutual impedance extraction and varactor calibration technique for ESPAR antenna characterization," (IEEE Trans. Antennas Propag.), 25 (12), 13-19, Apr 2013.

[40] J. Cheng, Y. Kamiya, and T. Ohira, "Adaptive beamforming of ESPAR antenna using sequential perturbation," in Proc. IEEE MTT-S Int. Microw. Symp. Dig., Sep. 2013, vol. 1, pp. 133-136, 2013.