

Referências bibliográficas

- [1] AL-SHAHRANI, Abdurrahman; AL-OLYANI, Hammod. **LTE**: Project EE-424. 2009. 21p.
- [2] BALANIS, C. A. Teoria de Antenas: Análise e Síntese
- [3] Krauss, J.D..- "Antennas".- McGraw Hill Inc..1988.
- [4] Wireless LAN at 60 GHz - IEEE 802.11ad Explained. Application Note.
- [5] RAPPAPORT, T. S.; ROBERT, W. H. ROBERT, C. D. JAMES, N. M. Millimeter Wave Wireless Communication. 1 ed. Prentice Hall, 2014. 656 p. □
- [6] HOWARD, T. Propagation Measurements at 55 GHz in an Urban Environment. London, 1990. 307 p. Thesis (Phd in Electrical Engineering) - University College London, London, 1990. □
- [7] SCHWERING, F. K.; VIOLETTE, E. J.; ESPELAND, R. H.; Millimeter-Wave Propagation in Vegetation: Experiments and Theory. IEEE Transactions on Geoscience and remote sensing, v. 26, p. 368-380, may. 1988.
- [8] SCHWERING, F. K.; VIOLETTE, E. J.; ESPELAND, R. H.; De-BOLT, R. O.; Millimeter-Wave Propagation at Street Level in an Urban Environment. IEEE Transactions on Geoscience and remote sensing, v. 26, p. 335-367, may. 1988.
- [9] SCHWERING, F. K.; VIOLETTE, E. J.; ESPELAND, R. H.; AL-LEN, K. C.; Millimeter-Wave Propagation Studies. US Army Communication-Electronics Command 1983.
- [10] HUISH, P. W.; PUGLIESE, G.; A 60 GHz radio system for propagation studies in buildings. Proc. Int'l Conf. on Antennas and Propagation (ICAP), Norwich 1983.
- [11] GLAUCIO, L. S. Line Of Sight and Mobile Propagation Studies at Millimeter Wave Frequencies. London, 1989. 276 p. Thesis (Phd in Electrical Engineering) - University College London, London, 1989.
- [12] SMULDERS, P. F. M.; CORREIA, L. M.; Characterization of Propagation in 60 GHz Radio Channels. Electronics & Communication Engineering Journal, p. 73-80, apr. 1997.
- [13] BEN-DOR, E.; RAPPAPORT, T. S.; QIAO, Y.; LAUFFENBURGER, S. J.; Millimeter-Wave 60 GHz Outdoor and Vehicle AOA Propagation Measurements Using a Broadband Channel Sounder IEEE Global Communications Conference, v. 1, p. 335- 349, dec. 2011.

- [14] RAPPAPORT, T. S. ; QIAO, Y.; TAMIR, J. I.; BEN-DOR, E.; MURDOCK, J. N.; Cellular Broadband Millimeter Wave Propagation and Angle of Arrival for Adaptive Beam Steering Systems IEEE Radio and Wireless Symposium (RWS), p. 151-154, jan. 2012.
- [15] RAPPAPORT, T. S.; BEN-DOR, E.; MURDOCK, J. N.; QIAO, Y.; 38 GHz and 60 GHz Angle-Dependent Propagation for Cellular & Peer-to-Peer Wireless Communications IEEE International Conference on Communications (ICC), p. 4568-4573, jun. 2012.
- [16] MURDOCK, J. N.; BEN-DOR, E.; QIAO, Y.; TAMIR, J. I.; RAPPAPORT, T. S.; A 38 GHz Cellular Outage Study for an Urban Outdoor Campus Environment IEEE Wireless Communication and Networking Conference (WCNC), p. 3085-3090, apr. 2012.
- [17] RAPPAPORT, T. S.; GUTIERREZ, F.; BEN-DOR, E.; MURDOCK, J. N.; QIAO, Y.; TAMIR, J. I.; Broadband Millimeter-Wave Propagation Measurements and Models Using Adaptive-Beam Antennas for Outdoor Urban Cellular Communications IEEE Transactions on Antennas and Propagation, v. 61, p. 1850-1859, apr. 2013.
- [18] SAMIMI, M.; WANG, K.; AZAR, Y.; WONG, G. N.; MAYZUS, R.; ZHAO, H.; SCHULZ, J. K.; SUN, S.; GUTIERREZ, J. F.; RAPPAPORT, T. S.; 28 GHz Angle of Arrival and Angle of Departure Analysis for Outdoor Cellular Communications Using Steerable Beam Antennas in New York City IEEE Vehicular Technology Conference (VTC 2013-Spring), p. 1-6, jun. 2013.
- [19] AZAR, Y.; WONG, G. N.; WANG, K.; MAYZUS, R.; SCHULZ, J. K.; ZHAO, H.; GUTIERREZ, J. F.; HWANG, D.; RAPPAPORT, T. S.; 28 GHz Propagation Measurements for Outdoor Cellular Communications Using Steerable Antennas in New York City IEEE International Conference on Communications (ICC), p. 5143-5147, jun. 2013.
- [20] G. L. James, *Radiation Properties of 90° Conical Horns*, Electronic Letters, Vol.13, NO.10, May 1977
- [21] Ansoft HFSS, *HFSS Online Help*, Version 15 2014. □
- [22] A Wideband 16x16 Element Corporate Feed Hollow Waveguide Slot Array Antenna in the 60 GHz Band, IEICE TRANS. COMMUN., VOL.E97-B, NO.4 APRIL 2014