Reference

[1] L. C. Godara, “Application of antenna arrays to mobile communications, part II: beam-forming and direction of arrival considerations,”  *proc. IEEE,* vol. 85, pp.

1195-1245, 1997.

[2] B. D. Van Veen and K. M. Buckley, ”Beamforming: a versatile approach to

spatial filtering,” *IEEE ASSP Mag*., pp.

4-24, April 1988.

[3] M. Ghavami, “Wideband smart antenna theory using rectangular array structures,” *IEEE Trans. Signal Processing,* vol. 50, pp. 2143-2151, 2002.

[4] C. B. Dietrich, W. L. Stutzman, B. Kim and K. Dietze, “Smart antennas in wireless communications: base-station diversity and handset beamforming,”  *IEEE Antennas and Propagation Mag.,* pp. 142-151, October 2000.

[5] S. Bellofiore, J. Foutz, C. A. Balanis and A. S. Spanias, “Smart antenna system for mobile communication networks, part 2: beamforming and network throughput,” *IEEE Antennas and Propagation Mag.,* pp. 106-114, August 2002.