

David P. Maxson, WCP®

Curriculum Vitae

Isotrope, LLC, Medfield, Massachusetts, 1982*-present

Founder, CEO

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| a) Municipal guidance in wireless planning and regulation | b) Evaluation of radio frequency facilities for compliance with technical and regulatory standards |
| c) Research and development on digital media initiatives | d) Safety planning and evaluation of communications facilities, safety protocol development |
| e) Communications facility design and construction | f) Radio frequency interference remediation |

*Note – The wireless consulting business of the former Broadcast Signal Lab, LLP is now Isotrope, LLC.

David has been an owner of the business since co-founding it in 1982. Isotrope was incorporated in 2009.

Charles River Broadcasting Company, Waltham, Massachusetts, 1978-1998.

Vice President, Director of Engineering and Technical Operations

Affiliations and Accomplishments

- Certified IEEE Wireless Communications Professional®, demonstrating “a thorough understanding of different key technologies in the wireless arena.” (ieee-wcet.org)
- Member of the PCIA’s DAS Forum (the wireless infrastructure association’s distributed antenna system group)
- Project Reviewer - NTIA Broadband Technology Opportunities Program and USDA Rural Utilities Service Broadband Initiatives Program – American Recovery and Reinvestment Act, 2009.
- Delegate to the National Radio Systems Committee, Digital Audio Broadcasting Subcommittee, 1998-present.
- Qualified expert on wireless communications matters before federal and state courts.
- Testimony, US House of Representatives Commerce Committee Telecommunications Subcommittee in the matter of Low Power FM Broadcasting, February 2000.
- Wireless facility evaluation and planning consultant to the Cape Cod Commission as well as to over a hundred municipalities in New England and beyond, 1999 to present.
- Appointed member of Massachusetts Department of Public Health ad hoc committee on revisions to electromagnetic energy safety regulations 105 CMR §122, 1997.
- Senior Member, IEEE; Certified Broadcast Radio Engineer, Society of Broadcast Engineers; FCC General Class Radiotelephone License with Radar Endorsement
- Massachusetts Licensed Construction Supervisor #CS073481.
- Bachelor of Science, Boston University, 1977

Selected Publications

- Author, *Your Mileage May Be Different – Reflections on Megabits per Second and Miles per Day [on a statewide drive test of broadband data connectivity in Utah]*, Above Ground Level Magazine, December 2011.
- Author, *The IBOC Handbook— Understanding HD Radio Technology*, 2007, Focal Press.
- Author, Chapter 2.5, *Managing Workplace and Environmental Hazards*, NAB Engineering Handbook, 10th Edition, 2007.
- Article, *Evaluating Emissions of Your New IBOC Transmitter*, Radio World Engineering Extra, June 2005.
- Article, *Posting Hazard Communications Signs at Your Radio Transmission Plant*, Radio Guide, April 2005.
- Published Paper: *Interference Potential of Hybrid Digital Transmission: An IBOC Occupied Bandwidth Case Study*, Proceedings of the National Association of Broadcasters Broadcast Engineering Conference (“NAB-BEC”), 2004.
- Published Paper: *Integrating ANSI-Compliant RF Signs Into Corporate RF Safety Programs*, NAB-BEC 2004.
- Published Paper, co-author: *Applying the Principles of Data Communications to the Development of an Open and Universal IBOC Data Protocol*, NAB-BEC 2003.