



**Jonathan L. Kramer, Esq., J.D., FSCTE, BTS, BPS, BDS, CBT**

Principal Attorney – Kramer Telecom Law Firm, PC

Principal Technologist – Kramer.Firm, Inc.

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2006 – Present	Principal Attorney, Kramer Telecom Law Firm, P.C. (Los Angeles, CA)
1999 – Present	Principal Consultant, Kramer.Firm, Inc. (Los Angeles, CA)
1987 – 1999	President, Communications Support Corp. (El Toro, CA; Los Angeles, CA)
1984 – 1987	Owner, Communicable Consultants (El Toro, CA)
1982 – 1984	Technical Manager, later Regional Technical Manager, Storer Communications (Southern California Region) (Laguna Niguel, CA)
1982 – 1982	Engineering Manager, Western Cable Services, Inc. (Ventura, CA)
1979 – 1982	System Engineer, Warner Cable of Malibu (Malibu, CA)
1978 – 1979	Self employed radio telecommunications engineer (Malibu, California)
1976 – 1978	Field Technician, Motorola Communications & Electronics Area F Project Management (California, Nevada, Arizona, New Mexico)
1971 – 1972	Rovafone of Los Angeles (Woodland Hills, CA)

Admitted as an Attorney by the State Bar of California (SBN 244074)

Admitted as an Attorney by the United States District Court, Central District of California

Attorney Member, Federal Communications Bar Association

Attorney Member, International Municipal Lawyers Association

Attorney Member, Los Angeles County Bar Association

Attorney Member, Second Life Bar Association

Licensed by the Federal Communications Commission: General Radiotelephone Operator License, with Ship Radar and Broadcast endorsements; Previously licensed as a Second Class Radio Telephone Operator, Sept. 1975; First Class Radiotelephone Operator, Nov. 1977; General Radiotelephone Operator License, June 1987; Global Maritime Distress and Safety System Operator / Maintainer License, with Ship Radar Endorsement; Restricted Radiotelephone licensee; Amateur radio operator since November 1970 currently licensed as an Extra Class operator.

Licensed by the California Contractors State License Board for low voltage communications (Class C7). License No. 433113. Licensed since 1982.

Life member of the American Radio Relay League; ARRL book article author and review editor on cable television RF interference matters; Appointed Volunteer Counsel of the ARRL.

Former wireless technology advisor to and testifying expert before the FCC State & Local Government Advisory Committee

Co-author, co-editor of “A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance”, a wireless technology advisory to local governments based on OET Bulletin 65 published by the FCC, Spring 2000 (download from: <http://www.FCC.gov/oet/rfsafety>)

Former Chairperson, International Right of Way Association Wireless Committee

Former National Board of Directors member, National Association of Telecommunications Officers and Advisors (NATOA), an affiliate of the National League of Cities (Terms: 1997-2000, 1992-1994)

Former Co-chair of the Joint Task Force on Technical Standards Committee, appointed by NATOA, National League of Cities, and US Conference of Mayors to develop the national technical standards for cable television systems adopted by the FCC in February 1992

NATOA's only twice-honored Member of the Year (1997 and 1991)

Executive Committee Board Member, State Bar of California, Public Law Section (2008-2011).

Immediate Past President, States of California and Nevada Chapter of NATOA (SCAN NATOA) (2006-2008); founding member of that Chapter. Chapter President: 2009-2010.

Charter Member, California Wireless Association (CALWA)

Former Co-chair of National Technical Standards committee appointed by NATOA, National League of Cities, and US Conference of Mayors to develop the national technical standardized testing manual to determine compliance with the FCC rules

Fellow Member of Society of Cable Telecommunication Engineers, United Kingdom society (FSCTE designation).

Senior Member of Society of Cable Telecommunications Engineers, United States society (SCTE-US). SCTE-US Senior Member since April 1993; member since 1981.

Member of the Professional Development Committee of the SCTE, which develops and supervises all professional safety and technical training and education conducted by the SCTE internationally.

Certified as a Broadband Transport Specialist (BTS designation) by the SCTE-US.

Certified as a Broadband Distribution Specialist (BDS designation) by the SCTE-US.

Certified as a Broadband Premises Specialist (BPS designation) by the SCTE-US.

Member, SCTE's Loyal Order of the 704 (Membership restricted to recognized cable engineers with a minimum of 30 years in CATV engineering experience)

Co-Chair, SCTE's WG7 Committee developing standardized cable TV industry interpretations to the National Electrical Code

Member, Society of Broadcast Engineers (member since 2008)

Awarded recognition as a "Certified Broadcast Technologist" by the Society of Broadcast Engineers (2009).

Awarded recognition as a "Public Safety Radio Technician" by the Association of Public-Safety Communications Officials – International, Inc. (APCO)

Elected Life Member, American Radio Relay League (member since 1971)

Witness before the FCC's State & Local Government Advisory Committee on OET 65, March 2000

Witness before the FCC in Cable TV re-regulation hearings, March 1990, representing NATOA, et al

Testifying expert witness in federal and state court cases regarding cable television technology, and federal and state court cases regarding wireless technology.

Technology speaker at every NATOA National Conference from 1988 to 2000, and 2002 to 2004; Technology speaker at many regional and local NATOA and SCAN NATOA meetings

Communications technology speaker at Society of Cable Telecommunications Engineers conferences, and cable industry conferences

Published author of book and magazine articles on communications technology, plant safety, construction and administration

Cable system engineering and technical management experience six years before forming Kramer.Firm, Inc.; Chief Technician, Technical Manager, Regional Engineer.

Former Field Engineering Representative for Motorola Communications and Electronics, Area F Program Management team — Areas of experience include microwave radio; baseband RF and audio; digital signaling; UHF and VHF two-way radio (including high stability Simulcast® radio operations); telephony; and command and control communications.

Juris Doctor Degree *cum laude*, Abraham Lincoln University School of Law, Los Angeles (2001). LL.M. I.T. Law and Telecommunications Law candidate, University of Strathclyde (2012). Undergraduate education at CSUN, UCLA, LATTC, and WLAC; AS Degree in Radio Communications (with honors), Los Angeles Trade Technical College.

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The following is a partial list of the nearly 600 governments and agencies which have relied upon Mr. Kramer's broadband and/or radio-telecommunications advice as a telecommunications technology advisor/inspector since 1984, and/or as an attorney since 2006:

**Selected Federal Agencies - National Associations – States – Local Agencies**

Federal Communications Commission	United States Conference of Mayors
U.S. Department of Justice	National Association of Counties
National Association of Telecommunications Officers and Advisors	National League of Cities
Soc. of Cable Telecom. Engineers	State of Michigan PUC
United States Army, Ft. Irwin, CA	State of Connecticut DPUC
U.S. Marine Corps, Twentynine Palms, CA	Connecticut Siting Council
U.S. Marine Corps, San Diego, CA	League of California Cities
U.S. Navy; Monterey, CA	Los Angeles Police Department
U.S. Navy, San Diego, CA	Otay Water District
U.S. Navy, Lemoore, CA	Las Virgines School District
	Communications Workers of America

**Selected Local Governments and Government Associations**

Addison, Illinois	Bronxville, New York
Aiken County, South Carolina	Buena Park, California
Albany, California	Buffalo Grove, Illinois
Albuquerque, New Mexico	Burr Ridge, Illinois
Alcoa, Tennessee	Butte County, California
Aliso Viejo, California	Calabasas, California
Anaheim, California	Calimesa, California
Apache Junction., Arizona	Canandaigua, New York
Arcadia, California	Canton, Michigan
Aurora, Illinois	Capitola, California
Austin, Texas	Carol Stream, Illinois
Avon, Ohio	Carson, California
Azusa, California	Cedar Lake, Indiana
Baldwin Park, California	Centerville, Ohio
Barrington, Illinois	Cerritos, California
Bartlett, Illinois	Chelan, Washington
Bellbrook, Ohio	Cheshire, Connecticut
Bellflower, California	Chester, Connecticut
Bellingham, Washington	Chico, California
Benica, California	Chino Hills, California
Berkeley, California	Chino, California
Beverly Hills, California	Chula Vista, California
Big Bear Lake, California	Clarendon Hills, Illinois
Big Cypress Indian Reservation, Florida	Cleveland Heights, Ohio
Birmingham, Alabama	Clinton, Connecticut
Bloomington, Illinois	Colchester, Connecticut
Blount County, Tennessee	Colton, California
Bolingbrook, Illinois	Columbia Heights, Michigan
Bozrah, Connecticut	Commerce, California
Branford, Connecticut	Concord, California
Brentwood, California	Cornwall, Connecticut
Brighton Indian Reservation, Florida	Corona, California

Culver City, California  
Cypress, California  
Darien, Connecticut  
Darien, Illinois  
Davis, California  
Decatur, Alabama  
Deep River, Connecticut  
Deerfield Beach, Florida  
Denver, Colorado  
Diamond Bar, California  
Downers Grove, Illinois  
Duarte, California  
Dublin, California  
Dubuque, Iowa  
DuPage County, Illinois  
Durango, Colorado  
Durham, Connecticut  
Dyer, Indiana  
East Haven, Connecticut  
Eagan, Michigan  
East Granby, Connecticut  
East Windsor, Connecticut  
Eastchester, New York  
Easton, Connecticut  
El Monte, California  
Elburn, Illinois  
Elk Grove Village, Illinois  
Elmhurst, Illinois  
Encinitas, California  
Enfield, Connecticut  
Escondido, California  
Essex, Connecticut  
Fairfax, California  
Federal Way, Washington  
Flora, Illinois  
Fort Wayne, Indiana  
Franklin, Connecticut  
Franklin, Kentucky  
Fremont, California  
Fullerton, California  
Galena, Illinois  
Garden Grove, California  
Gardena, California  
Germantown, Ohio  
Glen Ellyn, Illinois  
Glendale Heights, Illinois  
Glendale, California  
Glenwood, Illinois  
Goleta, California  
Goshen, Connecticut  
Granby, Connecticut  
Greenville, Illinois  
Greenwich, Connecticut  
Griffith, Indiana

Guilford, Connecticut  
Hacienda Heights, California  
Haddam, Connecticut  
Half Moon Bay, California  
Hanover Park, Illinois  
Hartland, Connecticut  
Hermosa Beach, California  
Hesperia, California  
Hidden Hills, California  
Highland Park, Illinois  
Highland, California  
Highland, Indiana  
Hillsborough, California  
Hinsdale, Illinois  
Hobart, Illinois  
Hoffman Estates, Illinois  
Hollywood, Florida  
Homewood, Alabama  
Homewood, Illinois  
Huntington Beach, California  
Hunts Point, Washington  
Immokalee Indian Reservation., Florida  
Indian Wells, California  
Inglewood, California  
Irvine, California  
Itasca, Illinois  
Kettering, Ohio  
Killingworth, Connecticut  
King County, Washington  
La Canada Flintridge, California  
La Grange, Illinois  
La Habra Heights, California  
La Mesa, California  
La Puente, California  
La Quinta, California  
Lacy, Washington  
Laguna Beach, California  
Laguna Niguel, California  
Lake County, Illinois  
Lake County, Indiana  
Lake Station, Indiana  
Lakewood, Ohio  
Lemont, Illinois  
Lisbon, Connecticut  
Lisle, Illinois  
Litchfield, Connecticut  
Live Oak, Texas  
Livermore, California  
Lombard, Illinois  
Lompoc, California  
Lone Tree, Colorado  
Longmont, Colorado  
Long Beach, California  
Los Alamos, California

Los Altos, California  
Los Angeles County, California  
Los Angeles, California  
Louisville, Colorado  
Loveland, Colorado  
Lowell, Indiana  
Lynchburg, Virginia  
Madison, Connecticut  
Malibu, California  
Manhattan Beach, California  
Maryville, Tennessee  
Mentor, Ohio  
Merced, California  
Meriden, Connecticut  
Merrillville, Indiana  
Miamisburg, Ohio  
Middlebury, Connecticut  
Milpitas, California  
Minooka, Illinois  
Mission Viejo, California  
Modesto, California  
Monterey County, California  
Moreno Valley, California  
Morris, Connecticut  
Mount Carmel, Illinois  
Mount Orab, Ohio  
Mount Prospect, Illinois  
Mountain View, California  
Mundelein, Illinois  
Munster, Indiana  
Naperville, Illinois  
New Canaan, Connecticut  
New Haven, Connecticut  
New Martinsville, West Virginia  
New Orleans, Louisiana  
Newport Beach, California  
Newton Falls, Ohio  
Niles, Illinois  
No. Aurora, Illinois  
No. Branford, Connecticut  
No. Haven, Connecticut  
Norfolk, Virginia  
North Aurora, Illinois  
Norwalk, Connecticut  
Norwich, Connecticut  
Oak Brook, Illinois  
Oak Park, Illinois  
Oakbrook Terrace, Illinois  
Oakwood, Ohio  
Oceanside, California  
Ojai, California  
Old Saybrook, Connecticut  
Olean, New York  
Olympia, Washington

Opelika, Alabama  
Orange County, California  
Orange, California  
Oxnard, California  
Paducah, Kentucky  
Palm Springs, California  
Palos Verdes Estates, California  
Paris, Illinois  
Park Forest, Illinois  
Pasadena, California  
Peoria County, Illinois  
Philadelphia, Pennsylvania  
Piedmont, California  
Piqua, Ohio  
Placentia, California  
Plymouth, Connecticut  
Plymouth, Minnesota  
Port Townsend, Washington  
Portland, Oregon  
Portola Valley, California  
Poway, California  
Preston, Connecticut  
Prospect, Connecticut  
Redding, Connecticut  
Redondo Beach, California  
Rialto, California  
Richmond, California  
Riverside, California  
Rochester, Michigan  
Rolling Hills Estates, California  
Rolling Meadows, Illinois  
Roselle, Illinois  
Roseville, Michigan  
Salem, Illinois  
San Antonio, Texas  
Santa Barbara, California  
Santa Barbara County, California  
San Bernardino, California  
San Bernardino County, California  
San Clemente, California  
San Diego County, California  
San Diego, California  
San Francisco, California  
San Juan Capistrano, California  
San Luis Obispo County, California  
San Luis Obispo, California  
San Marcos, California  
San Rafael, California  
Santa Ana, California  
Santa Barbara County, California  
Santa Clara, California  
Santa Clarita, California  
Santa Cruz County, California  
Santa Cruz, California

Santa Fe, New Mexico  
Santa Maria, California  
Santa Monica, California  
Schaumburg, Illinois  
Schererville, Indiana  
Seattle, Washington  
Simi Valley, California  
Sistersville, West Virginia  
Solana Beach, California  
Solon, Ohio  
Somers, Connecticut  
Southington, Connecticut  
Spokane, Washington  
Springboro, Ohio  
St. Charles, Illinois  
St. John, Indiana  
St. Louis, Missouri  
Stafford, Connecticut  
Suffield, Connecticut  
Sugar Grove, Illinois  
Sunnyvale, California  
Sutter County, California  
Temecula, California  
Thousand Oaks, California  
Thurston County, Washington  
Tiburon, California  
Tipp City, Ohio  
Torrance, California  
Torrington, Connecticut  
Troy, Ohio  
Tuckahoe, New York  
Tucson, Arizona  
Tumwater, Washington  
Tustin, California  
Union, Connecticut  
Vail, Colorado  
Ventura County, California

Victoria, Texas  
Villa Park, California  
Villa Park, Illinois  
Virginia Beach, Virginia  
Wallingford, Connecticut  
Walnut, California  
Walnut Creek, California  
Warren, Connecticut  
Warrenville, Illinois  
Waterbury, Connecticut  
Waterford, Minnesota  
Watertown, Connecticut  
Wayne, Illinois  
West Allis, WI  
West Carrollton, Ohio  
West Chicago, Illinois  
West Covina, California  
West Frankfort, Illinois  
West Hollywood, California  
West Milton, Ohio  
West Palm Beach, Florida  
Westbrook, Connecticut  
Westmont, Illinois  
Weston, Connecticut  
Westport, Connecticut  
Wheaton, Illinois  
White Plains, New York  
Willowbrook, Illinois  
Wilmette, Illinois  
Wilton, Connecticut  
Windsor Locks, Connecticut  
Winfield, Illinois  
Wolcott, Connecticut  
Wood Dale, Illinois  
Woodridge, Illinois  
Yorba Linda, California

**Litigation Where Jonathan Kramer Served as a  
Testifying or Non-Testifying Expert, or as a Trial Consultant**

**(Wireless Communications)**

T-Mobile v. City of Thousand Oaks (Retained by City)  
T-Mobile v. County of Los Angeles (Retained by County)  
T-Mobile v. City of Los Angeles (Retained by City)  
T-Mobile v. City of Albuquerque (Retained by City)  
T-Mobile v. City of Huntington Beach (Multiple cases) (Retained by City)  
Armstrong/McEachron v. Cazcom (Retained by Armstrong)  
MetroPCS v. City and County of San Francisco (Retained by City)  
Bay Area Cellular v. City and County of San Francisco (Retained by City)  
Sprint v. City of Palos Verdes Estates (Retained by City)  
Sprint v. City of La Canada Flintridge (Retained by City)  
T-Mobile v. City of Gardena (Retained by City)  
AT&T Wireless v. City of San Diego (Retained by City)

New Cingular Wireless v. City of Simi Valley (Retained by City)  
 Nextel v. City of San Diego (Retained by City)  
 AT&T Wireless v. City of Carlsbad (Retained by City)  
 Omnipoint v. Garden City, Michigan (Retained by City)  
 GTE Mobilnet v. City and County of San Francisco (Retained by City)  
 Illinois RSA 3 v. Peoria County (Retained by County)

**(Wired Communications)**

Mejia-Gutierrez v. Comcast (Retained by Seabright Insurance Co.)  
 Qwest v. City of Santa Fe (Retained by City)  
 NewPath Networks v. City of Davis (Retained by City)  
 Marcus Cable Associates v. City of Glendale (Retained by City)  
 Evergreen v. San Diego Gas & Electric, et al (Retained by Evergreen)  
 NextG Networks v. City of Huntington Beach (Retained by City)  
 NewPath Networks v. City of Irvine (Retained by City)  
 Adelphia Cable v. City of Thousand Oaks (Retained by City)  
 Malencon v. Cox Communications (Retained by Malencon)  
 Schaff Dev. Group v. S.E. Fla. Cable, Inc., dba Adelphia Cable (Retained by Schaff)  
 Qwest v. City of Berkeley (Retained by City)  
 Playboy Enterprises v. United States (Retained by FCC, Department of Justice)  
 Jones Intercable v. City of Chula Vista (Retained by City)  
 Sierra East Television v. Westar Cable (Retained by Sierra East)  
 Booth American v. United States (Retained by Department of Justice)  
 D.B. Cable v. Kalma Busk (Retained by Kalma Busk)

**Selected Published Articles by Jonathan L. Kramer**

A Practical Guide to Radio Frequency Emissions Safety	State Bar of California	2009
Radio Frequency Emissions Safety – A Practical and Practice Guide	Nat. Assoc. of Telecom Off. and Advisors	2009
Use a Cell Phone Jammer and Get Jammed Up With the FCC	Ezinearticles.com	2008
Your California Cable TV Company Missed an Appointment? The Law Protects Cable TV Subscribers	Ezinearticles.com	2008
A Modern Game of Hide and Seek	AGL Magazine	2007
Give Me Your Bond	Communications Technology Magazine	2007
Picture Quality in the Digital World: A lost Science?	NATOA Journal	2007
Effective Management of a Cable TV Rebuild/Upgrade in Your Community	NACO County News	2004

Leveling the Playing Field for Cable TV Franchise Renewals	Public Management Magazine	2003
A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance	Federal Communications Commission	2000

**Selected Lectures - Universities, Colleges, School Districts**

Yale University  
 USC Annenberg School of Communications  
 University of Alabama  
 Pepperdine University  
 Orange Coast College  
 Rancho Santiago College  
 Centralia School District  
 Oxnard Union School District

**Selected Lectures – Legal, Industry, and Professional Organizations**

<b>Speaking Engagement</b>	<b>Conference or Event</b>	<b>Year</b>
Is There Such A Thing As A Good Wireless Ordinance?	AGL Regional Conf. – Denver	2011
Current Issues in WiMax, 4G and LTE Leases	Lorman Educational Services	2011
Wireless Facilities Siting Update	SCAN NATOA	2011
Current Issues in Cell Tower Leasing	Lorman Educational Services	2011
Wireless 101 for Attorneys	New Mexico Municipal League	2010
Cell Tower Leasing Issues	International Municipal Lawyers Association	2010
Current Issues in Cell Tower Regulation and Zoning Rules	Lorman Educational Services	2010
Is There Such A Thing As A Good Wireless Ordinance?	AGL Regional Conf. – San Francisco	2010
Follow-up to Wireless Facilities Siting	NATOA	2010
Wireless Update	SCAN NATOA	2010

<b>Speaking Engagement</b>	<b>Conference or Event</b>	<b>Year</b>
Major Issues in WiMAX Tower Leases and Zoning	Lorman Education Services	2010
Current Issues in Wireless Siting	Gateway Cities Council of Governments	2010
Wireless Issues Update	League of California Cities City Attorneys' Conf.	2010
Recent Wireless Siting Developments	Amer. Plan. Assoc. Orange County (CA) Chapter	2010
Educational Seminar Panel	California Wireless Association	2010
Current Issues in Cell Tower Leasing	Lorman Educational Services	2010
Educational Seminar Panel	California Wireless Association	2010
New FCC Cell Tower Zoning 'Shot-Clock' Order: Issues and Guidance to Effectively Deal With Federally-Imposed Zoning Deadlines	International Municipal Lawyers Association	2009
FCC Declaratory Ruling on Wireless Siting	eNATOA Conference	2009
Technology Solutions for Small Law Firms	Provisors LLP M	2009
Major Issues in WiMAX Tower Leases and Zoning	Lorman Education Services	2009
Current Issues in Cell Tower Leasing	Lorman Education Services	2009
Top Tech Topics for a Law Practice	State Bar of California	2009
"I'm from the Government [Planning Department] and I'm here to help you"	Amateur Radio Club of El Cajon	2009
The National Electrical Code: Why comply?	SCTE Live Learning	2009
DTV Transition: Last Steps	SCTE Live Learning	2009
"Tower Siting: Getting to Win/Win for Localities and for Carriers"	California Wireless Association	2009

<b>Speaking Engagement</b>	<b>Conference or Event</b>	<b>Year</b>
Telecom 101: What Every Practitioner Should Know	State Bar of California Section Education Institute	2009
Secret Life of PDA: Ethical Considerations	State Bar of California Section Education Institute	2009
Cable TV Law Update - Cable Television Unraveled	Pennsylvania Bar Institute	2008
Wireless Telecommunications Law Update: Current Issues in Cell Tower Regulation	Lorman Education Services	2008
Automated Photo Red Light Enforcement Users Group	Los Angeles Police Department	2008
"I'm From the Government (Planning Department) and I'm Here to Help You"	Palomar (California) ARC Meeting	2008
"Surfin' Telecommunication Choices: A New World, A New Direction"	SCAN NATOA Annual Conference	2008
FCC Regulations Regarding Cable TV	SCTE Show Me Chapter	2008
Mobile Security and Ethical Issues for Attorneys	State Bar of California Annual Conference	2008
"I'm From the Government (Planning Department) and I'm Here to Help You"	ARRL Southwest Division Conference	2007
AT&T Project Lightspeed	League of California Cities Policy Conference	2007
Right of Way Furniture	SCAN NATOA Annual Conference	2007
Wild Wired (and Wireless) West	State Bar of California Annual Conference	2007
Wireless telecommunications planning	APA National Conference	2006
Ask the Experts	SCAN NATOA Conf.	2006

<b>Speaking Engagement</b>	<b>Conference or Event</b>	<b>Year</b>
Wireless and Wired Telecommunications Law Update	League of California Cities City Attorneys Section Conference	2006
Wireless Case Mock Hearing	PCIA Annual Conference	2006
PEG Programming	Alliance for Community Media	2005
Wireless Siting 101	Association of Environmental Professionals - Orange County Chapter	2005
A Sea Change in Wireless Siting	California APA Conference	2005
Cable TV and Wireless Regulation and Law Update	Florida Cable and Telecommunications Law Local Government Workshop	2005
Emerging and Competing Broadband Technology	NATOA National Conference	2005
"Future of Cable Television"	SCAN NATOA Annual Conference	2005
Wireless Siting Planning: A Government Perspective	APA - Regional Planning Conference	2004
Cable TV Regulation: Local, State, and Federal Regulation	City of Kent (WA) Cable TV Conference	2004
Telecommunications Law Update	City Attorneys Association of San Diego County	2004
Cable TV and Wireless Regulation and Law Update	Florida Cable and Telecommunications Law Local Government Workshop	2004
Telecommunications Safety Code Violations: A Field Guide for Attorneys	IMLA Annual Conference	2004

<b>Speaking Engagement</b>	<b>Conference or Event</b>	<b>Year</b>
Keynote Lecture on Telecommunications Grounding	Thomas & Betts Power And Grounding Council Meeting	2004
Cable TV and Wireless Regulation and Law Update	Florida Cable and Telecommunications Law Local Government Workshop	2003
How to Get A Wireless Tower Siting Permit Application Denied!	IRWA Chapter 1 Conference	2003
Maximizing Wireless Resources	NATOA Annual Conference	2003
Right of Way Considerations for Local Governments	Law Seminars International - Early Stage Due Diligence Technology Considerations	2002
When Bad Things Happen to Good Cable Systems	Center for International Legal Studies International Info Tech, Media, and Telecom Law Conference	2002
New FCC Technical Standards	NCTA Education Conference	2002
Conference on Telecommunications Policy and Opportunities 2001	Westside Summit Cities	2001
Hiding Cell Phone Sites In Plain Sight Now you see 'um...now you don't!	NATOA 2001 Annual Conference	2001
ANTENNA AND TOWER SITING: Final Frontier	SCAN NATOA Conf.	2001
Wireless Siting: Policy Issues and Practical Solutions - A Municipal View	Law Seminars International The Third Annual Conference on Local Telecommunications Infrastructure	2001
Cable TV Regulation	NATOA Annual Conference	2000
Cable TV Regulation	NATOA Annual Conference	1999

<b>Speaking Engagement</b>	<b>Conference or Event</b>	<b>Year</b>
Cable TV Regulation	NATOA Annual Conference	1998
Cable TV Regulation	NATOA Annual Conference	1997
Cable TV Regulation	NATOA Annual Conference	1996
Cable TV Regulation	NATOA Annual Conference	1995
Cable TV Regulation	NATOA Annual Conference	1994
Cable TV Regulation	NATOA Annual Conference	1993
Cable TV Regulation	NATOA Annual Conference	1992
Cable TV Regulation	NATOA Annual Conference	1991
Cable TV Regulation	NATOA Annual Conference	1990
Cable TV Regulation	NATOA Annual Conference	1989
Cable TV Regulation	Michigan NATOA Conference	1987

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