Bio of Jennifer A. Manner

Jennifer A. Manner has over thirty years of experience in telecommunications and spectrum management issues in private industry, the government and academia.

Currently, Jennifer a is the Senior Vice President of Regulatory Affairs at EchoStar Corporation/Hughes Network Systems LLC where she is responsible for the company's domestic and international regulatory and policy issues, including spectrum management, new technologies and market access. Prior to this, Ms. Manner was Deputy Chief of the Office and Engineering and Technology and before that Deputy Chief of the FCC's Public Safety and Homeland Security Bureau.

Ms. Manner previously served as Vice President of Regulatory Affairs at SkyTerra Communications, LLC (today Ligado) where she handled the company's domestic and international regulatory, policy and spectrum management issues. Before joining SkyTerra, Ms. Manner served as Senior Counsel to FCC Commissioner Kathleen Abernathy with responsibility for wireless, international and new technology issues. Ms. Manner joined the Commissioner's office after working at MCI Communications Corporation, later WorldCom, Inc., as Associate Counsel for Foreign Market Access and then as International Wireless Services and Director of International Alliances. Prior to this position, Ms. Manner was an associate in the Communications Group at Akin, Gump, Strauss, Hauer and Feld, L.P. Before joining Akin, Gump, Ms. Manner was an Attorney-Advisor at the FCC.

Ms. Manner also served as an adjunct professor at Georgetown University Law Center and at the George Washington School of Law at American University teaching International Telecommunications Law and Policy. Ms. Manner is a frequent guest speaker on spectrum and telecommunications policy issues at several schools including the University of Nebraska and the University of Colorado at Boulder.

Ms. Manner has published several books on telecommunications issues including on spectrum and foreign market access, and has written numerous law review and magazine articles including <u>Global Telecommunications Market Access</u> (Artech House, 2003) and <u>Spectrum Wars</u> (Artech House, 2005). Ms. Manner has spoken extensively on spectrum management and telecommunications policy issues including at key conferences and television.

Ms. Manner serves and has served on a number of federal advisory committees in leadership roles including the Communications Spectrum Management Advisory Committee, the World Radiocommunication Advisory Committee and the International Trade Advisory Committee. Ms. Manner has served in leadership roles on the international level, including serving as a Co-Chair of the Network of Women for the CITEL Region and at the Chair of ITU-R WP4C-SWG2, as well as serving on a number us U.S. delegations to international treaty negotiations. Ms. Manner also serves on leadership roles in a number of trade association including the Satellite Industry Association, the Global VSAT Forum, and the EMEA Satellite Operators Association and the US ITU Association.

Ms. Manner has been named as one of the top 2017 and 208 100 broadband and media attorneys by CableFax, one of the most powerful women in the world by CableFax in 2018, and was awarded the EchoStar 2013 Most Valuable Player Award, the 2012 FCC Public Safety and Homeland Security Bureau's Chief's Meritorious Service Award, the 2012 Distinguished Alumni Award in Political Science from the Rockefeller College, State University of New York at Albany and the 2011 Wireless Communications Association International's Government Service Award. Ms. Manner was the recipient of EchoStar's CEO Award in 2019.

Ms. Manner, a film-maker, was a finalist for her movie, <u>Zebrafish: Practically People</u> (www.zebrafishfilm.org) at the 2018 Cannes Film Festival Emerging Filmmakers Competition and won numerous competitions for best short documentary including the Hollywood Short Fil Festival. Ms. Manner has under production her latest film, <u>When Wire Was King, The Transformation of Telecommunications</u> (www.whenwirewasking.com), expected for release in late 2021/early 2022.

Ms. Manner received her B.A. from the State University of New York at Albany, from where she serves as on the Alumni Board of the Rockefeller College of Public Affairs and was awarded the Outstanding Alumni in Political Science Award. She received her J.D. cum laude from New York Law School and LL.M. with distinction from Georgetown University Law Center. Ms. Manner is admitted to practice in Washington, D.C., New York and Connecticut.

Ms. Manner is married to Dr. Eric Glasgow, a scientist at Georgetown University School of Medicine and resides in Bethesda, MD, with their goldendoodle, Charliedoodle.

