

Steven C. Olson
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Mr. Steve C. Olson is the Director of Engineering for the Ball Wireless Communications group within Ball Telecommunication Products Division (BTPD). During the past year and a half Mr. Olson has led the Ball Wireless Communications engineering group developing new technologies resulting in several antenna products for the wireless communications market. Before joining the Wireless Communications group Mr. Olson managed several programs in BTPD. These included serving as team leader on various integrated product teams (IPT) and on quick response highly focused Tiger Teams resolving highly complex problems.

Mr. Olson, a holder of multiple antenna design patents, has designed several broadband planar microstrip antenna arrays with bandwidths up to 40%. Mr. Olson has been involved in the design and analysis of several satellite and terrestrial communications antennas and developed several low profile, conformal, and covert antennas. He has been responsible for design, development, and testing of antenna feed networks ranging from simple corporate feeds to butler matrices and complex beamforming networks. Additionally, his work included the RF design, prototype development, and testing of a highly efficient Ku-band antenna for an astronaut portable life-support system for Space Station EVA. He has worked with and developed various novel approaches for antenna radiation pattern synthesis and beam shaping techniques.

Prior to joining Ball Mr. Olson worked at Hughes Aircraft Company with the Radar Systems Group in the Advanced Phased Array Technology Section. There he was involved in the design and analysis of several electronically steerable phased array antennas, RF design of microwave components, feed network design and analysis, and mode matching analysis for complex aperture impedance matching. Mr. Olson also developed software for near-field antenna measurements and computer analysis tools for diagnostic evaluation of 2-D electronically scanned phased arrays.