

Form 442 Exhibit June 10, 2015 Michael Celenza. respectfully requests the issuance of an experimental license to operate, as described in this application, fixed equipment, to permit Michael Celenza to conduct research and experiments in vacant spectrum within the television broadcast bands at 76-88 MHz ("white spaces"). The experiments will enable Michael celenza to perform technical demonstrations of equipment and techniques, and to test equipment in connection with its production and approval. Michael Celenza believes the experiments have a reasonable promise of contributing to the development, expansion, and utilization of the radio art, including by promoting the development of innovative wireless applications and services for the benefit of private, commercial, and government users of spectrum, consistent with the Commission's goals for the white spaces. Michael Celenza will conduct research and experiments of fixed devices within the white spaces to determine the potential utility and feasibility of such operations and technology. Michael Celenza requests authorization with the geographic coordinates of 40-54-06 N 73-01-18 W . Michael Celenza plans to operate on following frequencies of 76-88 Mhz fixed base stations at 4W per 6 MHz channel available, with a radius of operation of 5 miles (8.05 km). Michael Celenza will not transmit on any spectrum licensed for incumbent broadcast television operations, and operations will be performed in accord with the power limits, antenna requirements, emission limits, and interference avoidance methods adopted by the Commission in Unlicensed Operations in the TV Broadcast Bands, ET Dkt. 04-186, Second Report and Order and Memorandum Opinion and Order, 23 FCC Rcd. 16807 (2008) and Second Memorandum Opinion and Order, 25 FCC Rcd. 18661 (2010).