

This experimental license is a renewal of the below STAs , with some modifications:

1874-EX-ST-2020

1875-EX-ST-2020

1876-EX-ST-2020

This experimental application is requesting to continue Testing of n77 C band 5G radios operating in the frequency range 3.7GHz - 4.0GHz and the requested changes for a high EIRP is to get adequate characterization of path loss at distances of 1 - 5 Kms. This would help in the development of C band products for 5G deployment.

Q7) describe in detail the following items:

a. The complete program of research and experimentation proposed including description of equipment and theory of operation.

This is a 5G/C_band Radio high speed data Design development testing at this Texas locations-within Ericsson Office. Ericsson radio HW types are :

Air 6449 (C-band Radio)

RU 8863 (C-band Radio)

b. The specific objectives sought to be accomplished.

Testing the design, experimental Radio product and its features as working with USA Spectrum.

c. How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.

This experimental test program contributes the C_band and 5G Radio High Speed performance deployment with full US C-band Frequency Spectrum Utilization for USA Cellular/5G operators/Markets.