

Form 442 Question 7: Experimentation Description

This experimental license is a renewal request for an Ericsson Experimental licensed that expired in June 2022 (0597-EX-CN-2021, Call Sign: WL2XYQ).

Q7) describe in detail the following item

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

Drive test to understand real life signal propagation and potential interference with adjacent bands. Measure radio performance of Ericsson products while in operation on this band. Radios will be installed at the rooftop of office building (3-4 floors height) facing a large open space parking lot for experimentation.

b. The specific objectives sought to be accomplished.

Thorough evaluation of the radio performance in this band as well as advanced features to carrier-integrate with other mid band spectrum (CBRS, DoD Band) for optimum capacity and speed.

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 experimentation (which will also be demonstrated to operators which won this spectrum) will help the commercial deployment to make the most out from the mid band spectrum to speed up 5G coverage in the nation.