

BAH - FCC Application

File Number: 0056-EX-PL-2016
Antenna Location: Fixed El Segundo, California
Coordinates: 33 55 51 N latitude 118 23 59 W longitude
Area of Operation:
Street Address: 2250 E. Imperial Hwy
City: El Segundo
State: California

Exhibit for #7:

7. If all the answers to Items 4, 5, 6 are "NO", include as an exhibit a narrative statement describing in detail the following items:

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

The purpose of this research is to demonstrate a custom electronics solution capable of interfacing to common commercial devices through standardized interfaces as an RF frontend.

b. The specific objectives sought to be accomplished.

This license is necessary to characterize the transmission characteristics of our test device on the bands of interest. In addition to static configurations, we are interested in investigating how rapid software configuration of RF components affects RF transmission.

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 is a custom electronics solution, therefore no applicable prior art exists. The program of experimentation is necessary to prove the viability of this technology for deployment to a broad community of customers. The results of this experimentation may be used to inform additional cognitive radio research.