

COMTECH SYSTEMS, INC.  
EXPERIMENTAL LICENSE  
MODIFICATION APPLICATION  
WG2XSJ  
FILE NO. 0217-EX-CM-2017  
SEPTEMBER 2017

**EXHIBIT I - DESCRIPTION OF EXPERIMENT**

Comtech Systems, Inc. ("Comtech") hereby submits this modification request to its FCC experimental authorization operating under FCC Call Sign WG2XSJ. The existing experimental license provides authority to conduct testing on the frequencies of 4430 MHz, 4530 MHz, 4700 MHz, and 4930 MHz within a 100 kilometer radius of the former Comtech complex previously located at the centerpoint coordinates of 28-27-21 N, 081-25-04 W.

This modification seeks to increase the authorized radius from 100 kilometers to 241 kilometers, to provide improved application support and testing for fielded equipment in connection with its Transportable Fast Link Antenna ("TFLA") system being utilized by the United States Marine Corp. Comtech is also requesting that the centerpoint coordinates be updated to that of its new location, located 212 Outlook Point Drive in Orlando, FL, at 28-26-57 N, 081-23-01 W. No other changes are proposed.

Comtech acknowledges that its operations will be on a non-interference basis and believes that no harmful interference to any FCC licensees will occur. However, to the extent necessary Comtech will use its best efforts to avoid and minimize any potential interference. Comtech further recognizes that if any interference to existing licensed stations occurs, any testing will be subject to immediate shut down. Because the equipment is technically incapable of providing station identification, Comtech respectfully requests a waiver of the station identification provisions of Section 5.115 of the Commission's rules, 47 C.F.R. § 5.115.

All network traffic will be simulated traffic only, solely for evaluation purposes and not for the purpose of providing network data communications services to user stations.

Comtech will continue to adhere to any Special Conditions placed on the permanent experimental license.

Comtech submits that a grant of this application is necessary and in the public interest because it will advance national security efforts.

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