

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC2XWA

(Call Sign)

0342-EX-CR-2021

(File Number)

NAME Comtech Telecommunications Corp.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Yona, GU - NL 13-25-08; EL 144-44-47
- (2) Yona, GU - NL 13-25-58; EL 144-42-47

Frequency Information

Yona, GU - NL 13-25-08; EL 144-44-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
448 MHz	FX	320KG3D	1.3 MW (ERP)	
2070.96 MHz	FX	1M00F1D	84 MW (ERP)	
2093.46 MHz	FX	1M00F1D	84 MW (ERP)	
2108.34 MHz	FX	1M00F1D	84 MW (ERP)	

This authorization effective August 01, 2021 and
will expire 3:00 A.M. EST August 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Yona, GU - NL 13-25-58; EL 144-42-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	FX	NON	15 mW (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) COORDINATION WITH NASA-GUAM REMOTE GROUND TERMINAL (GRGT) POC AS DESIGNATED BY NASA GSFC SPECTRUM MANAGER, SCOTT GALBRAITH, 301-286-5089 VINCENT.S.GALBRAITH(AT)NASA.GOV, IS REQUIRED AT LEAST 7 DAYS IN ADVANCE AND WILL INCLUDE OPS SCHEDULE AND STOP BUZZER POC. ONE WEEK PRIOR TO USING THIS SYSTEM TO SUPPORT ANY SATELLITE LAUNCHES, COMTECH TELECOMMUNICATIONS CORPORATION IS REQUIRED TO PROVIDE JIMMY NGUYEN, AIR FORCE SPECTRUM MANAGEMENT OFFICE AT EMAIL JIMMY.NGUYEN(AT)US.AF.MIL WITH THE FOLLOWING INFO
 - a) PLANNED TRANSMISSIONS CENTER FREQUENCY/IES,
 - b) PLANNED TRANSMISSIONS DATES/TIMES,
 - c) SATELLITE NAME AND ORBITAL CHARACTERISTIC AND,
 - d) STOP BUZZER POC FOR OPERATIONS.
- (7) Operation is subject to prior coordination with the local SBE representative to protect any possible Broadcast Auxiliary Services licensees in the 2025-2110 MHz band.
- (8) This authorization is issued for the express purpose of conducting experimental operations described in the related application. Any launch monitoring will require a Special Temporary Authorization from the Commission's International Bureau.
- (9) Coordination of operations is required at least 30 days in advance with the NASA/GSFC spectrum manager, Scott Galbraith at (301) 286-5089, vincent.s.galbraith@nasa.gov

Special Conditions:

- (10) OPERATION ON THIS ASSIGNMENT IS SUBJECT TO IMMEDIATE CESSATION,
IF IT CAUSES HARMFUL INTERFERENCE TO NASA OPERATION(S).