

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WP9XSB

(Call Sign)

XT MO

(Class of Station)

2204-EX-ST-2019

(File Number)

NAME Cirrus Design Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

This testing will be in accordance with the Cirrus Design Flight Test Plan for the purpose of certifying the fore mentioned system.

Station Locations

- (1) MOBILE: Duluth, MN, max altitude of 5,000 ft, within 93 km, centered around NL 46-50-31; WL 92-11-36

Frequency Information

MOBILE: Duluth, MN, max altitude of 5,000 ft, within 93 km, centered around NL 46-50-31; WL 92-11-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
118.05 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
118.3 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
121.05 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %

This authorization effective December 23, 2019 and
will expire 3:00 A.M. EST May 18, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Duluth, MN, max altitude of 5,000 ft, within 93 km, centered around NL 46-50-31; WL 92-11-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
121.5 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
121.9 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
125.45 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
126.45 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
127.9 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %
133.55 MHz	MO	6K00A3E	16 W (Output Power)	0.0005 %

Special Conditions:

- (1) 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.
- (2) NTIA does not concur with the use of frequency 121.09 MHz; instead, Cirrus Design Corporation should use 120.90 MHz, as coordinated with the FAA.
- (3) Cirrus Design Corporation must reduce the operational radius from 93km to 40km, when operating on 118.3 MHz, as coordinated with the FAA.
- (4) Authority to actively transmit on these frequencies is on the condition that FAA air traffic control authorities (HQ,M98 TRACON, Duluth ATCT, ARTCC ZME & ZAU) have been coordinated with, that their concurrence has been received, and that all risk mitigation's that they may require are complied with. This may include local ATC coordination requirements, implementation of stop buzzer procedures, and the publishing of NOTAM's.