

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

EXPERIMENTAL

(Nature of Service)

WP9XDQ

(Call Sign)

XT FX MO

(Class of Station)

1400-EX-ST-2019

(File Number)

NAME SprintCom, Inc.

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:

Testing the capability of transmitting LTE signals between certain ground equipment and a High Altitude Platform Station (HAPS).

Station Locations

- (1) Lanai, HI - NL 20-46-00; WL 156-56-00
- (2) Lanai, HI - NL 20-46-00; WL 156-56-00
- (3) MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00
- (4) MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00
- (5) MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00
- (6) MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00

Frequency Information

Lanai, HI - NL 20-46-00; WL 156-56-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2616-2631 MHz	FX	15M0W7W	5140.8 W (ERP)	0.00001 %

This authorization effective December 01, 2019 and
will expire 3:00 A.M. EST June 02, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lanai, HI - NL 20-46-00; WL 156-56-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2616-2631 MHz	FX	15M0W7W	5140.8 W (ERP)	0.00001 %

MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1980-1985 MHz	MO	5M00W7W	632.46 W (ERP)	0.00001 %

MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1980-1985 MHz	MO	5M00W7W	632.46 W (ERP)	0.00001 %

MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2515 MHz	MO	15M0W7W	4.3651 W (ERP)	0.00001 %

Frequency Information

MOBILE: Lanai, HI: Max altitude 80,000 ft AGL, within 20 km, centered around NL 20-46-00; WL 156-56-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2515 MHz	MO	15M0W7W	4.3651 W (ERP)	0.00001 %

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The applicant shall obtain consents from the Educational Broadband Service licensees prior to operation in 2500-2515 MHz band and the Broadband Radio Service licensees prior to operation in 2616-2631 MHz band.
- (5) Stop Buzzer:
Steve Leonard
Regional RF Engineering Manager
(913) 315-0278
Steve.Leonard@sprint.com

Andy Mayes
Local RF Engineer
(808) 777-7714
Andrew.Mayes@sprint.com