

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WQ9XWD

(Call Sign)

1195-EX-ST-2020

(File Number)

NAME National Football League

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:

Coronavirus distancing tool and RF-based contact tracing sensors to be distributed to all NFL staff and players. See attached narrative explanation of operation.

Station Locations

- (1) MOBILE: nationwide during football team travel, within 2500 km, centered around NL 39-05-59; WL 94-34-41

Frequency Information

MOBILE: nationwide during football team travel, within 2500 km, centered around NL 39-05-59; WL 94-34-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-4200 MHz	MO	489MD1D	1 mW (ERP)	

Special Conditions:

- (1) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (2) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.

This authorization effective August 17, 2020 and
will expire 3:00 A.M. EST February 11, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) 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.
- (4) Licensee must avoid causing interference to existing Fixed Service operators and FSS earth stations in the band. A list of registered incumbent FSS earth stations in the band can be found at the following link:
<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (5) Prior to operation, experimental licensee, must notify licensees of FSS earth stations operating the 3700-4200 MHz within 15-kilometer radius of the locations from which experimental operations will occur. Experimental licensee must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3700-4200 MHz band.
- (6) The experimental stations power flux-density (pfd) at FSS earth stations must not exceed -154.5 dB (W/(m² · 4 kHz)).
- (7) Stop Buzzer POC is Michael Katzenoff.
Phone: (212) 450-2368.
- (8) License should only operate inside the stadiums.
- (9) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (10) National Football League must coordinate with the affected Fixed Microwave Service licensees throughout the proposed areas in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 3700-4200 MHz band.
- (11) License is only for this football season and does not guarantee approval for any future use on this band.