

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

EXPERIMENTAL

(Nature of Service)

WN9XIL

(Call Sign)

XT FX

(Class of Station)

2157-EX-ST-2018

(File Number)

NAME Alphawave Golf Proprietary Limited

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:

Alphawave Golf is developing a radar-based golf ball tracking system that will be deployed as a fixed installation at golf driving ranges in the USA. The radar sensor is mounted in a fixed location.

Station Locations

- (1) Jenks (TULSA), OK - NL 36-01-43; WL 95-57-37
- (2) Jenks (TULSA), OK - NL 36-01-45; WL 95-57-38
- (3) Jenks (TULSA), OK - NL 36-01-46; WL 95-57-41
- (4) Jenks (TULSA), OK - NL 36-01-43; WL 95-57-40
- (5) Jenks (TULSA), OK - NL 36-01-42; WL 95-57-39
- (6) Jenks (TULSA), OK - NL 36-01-40; WL 95-57-38
- (7) Jenks (TULSA), OK - NL 36-01-40; WL 95-57-38
- (8) Jenks (TULSA), OK - NL 36-01-40; WL 95-57-37
- (9) Jenks (TULSA), OK - NL 36-01-41; WL 95-57-36
- (10) Jenks (TULSA), OK - NL 36-01-41; WL 95-57-36
- (11) Orlando (OSCEOLA), FL - NL 28-15-48; WL 81-37-51
- (12) Orlando (OSCEOLA), FL - NL 28-15-47; WL 81-37-50
- (13) Orlando (OSCEOLA), FL - NL 28-15-46; WL 81-37-49
- (14) Orlando (OSCEOLA), FL - NL 28-15-45; WL 81-37-47
- (15) Orlando (OSCEOLA), FL - NL 28-15-45; WL 81-37-45
- (16) Orlando (OSCEOLA), FL - NL 28-15-45; WL 81-37-43
- (17) Orlando (OSCEOLA), FL - NL 28-15-50; WL 81-37-42
- (18) Orlando (OSCEOLA), FL - NL 28-15-54; WL 81-37-43
- (19) Orlando (OSCEOLA), FL - NL 28-15-53; WL 81-37-48
- (20) Orlando (OSCEOLA), FL - NL 28-15-50; WL 81-37-50

This authorization effective May 14, 2019 and
will expire 3:00 A.M. EST August 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Jenks (TULSA), OK - NL 36-01-43; WL 95-57-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-45; WL 95-57-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-46; WL 95-57-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-43; WL 95-57-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Frequency Information

Jenks (TULSA), OK - NL 36-01-42; WL 95-57-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-40; WL 95-57-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-40; WL 95-57-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-40; WL 95-57-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Frequency Information

Jenks (TULSA), OK - NL 36-01-41; WL 95-57-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Jenks (TULSA), OK - NL 36-01-41; WL 95-57-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-48; WL 81-37-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-47; WL 81-37-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Frequency Information

Orlando (OSCEOLA), FL - NL 28-15-46; WL 81-37-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-45; WL 81-37-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-45; WL 81-37-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-45; WL 81-37-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Frequency Information

Orlando (OSCEOLA), FL - NL 28-15-50; WL 81-37-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-54; WL 81-37-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-53; WL 81-37-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

Orlando (OSCEOLA), FL - NL 28-15-50; WL 81-37-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10000-10500 MHz	FX	100MF3N	10 W (ERP)	0.001 %

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) Applicant should be aware that the band 10.0-10.5 GHz is allocated for federal radiolocation services, and non-federal use is on a case-by-case basis. Applicant should have no expectation of automatic approval in this band in future submissions.