

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XFT

(Call Sign)

1597-EX-ST-2020

(File Number)

NAME Radio Physic Solutions Ltd

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:

Demonstration of stand off threat technology.

Station Locations

- (1) Laurel (HOWARD), MD - NL 39-09-46; WL 76-53-58
- (2) Laurel (HOWARD), MD - NL 39-09-51; WL 76-53-22
- (3) Columbia (HOWARD), MD - NL 39-10-13; WL 76-51-02

Frequency Information

Laurel (HOWARD), MD - NL 39-09-46; WL 76-53-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-72.1 GHz	FX	1G10F0N	47 W (ERP)	
72.8-81 GHz	FX	8G20F0N	47 W (ERP)	

This authorization effective January 14, 2021 and
will expire 3:00 A.M. EST July 15, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Laurel (HOWARD), MD - NL 39-09-46; WL 76-53-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
83.5-86 GHz	FX	2G50F0N	47 W (ERP)	

Laurel (HOWARD), MD - NL 39-09-51; WL 76-53-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-72.1 GHz	FX	1G10F0N	47 W (ERP)	
72.8-81 GHz	FX	8G20F0N	47 W (ERP)	
83.5-86 GHz	FX	2G50F0N	47 W (ERP)	

Columbia (HOWARD), MD - NL 39-10-13; WL 76-51-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-72.1 GHz	FX	1G10F0N	47 W (ERP)	
72.8-81 GHz	FX	8G20F0N	47 W (ERP)	
83.5-86 GHz	FX	2G50F0N	47 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Radio Physic Solutions Ltd shall coordinate with all of the existing registered links in 71-76 GHz and 81-86 GHz bands prior to operation in frequency bands from 71 GHz to 86 GHz.
- (4) Radio Physic Solutions Ltd shall comply with the limits of unwanted emission recommendations specified in Resolution 750 (Rev. WRC-19).
- (5) Operation is not permitted in 72.1-72.8 GHz and 81-83.5 GHz bands.
- (6) Stop Buzzer Point of Contact is Alan Whitfield at +44 7967 053133.