

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XIV

(Call Sign)

1636-EX-ST-2021

(File Number)

NAME Hitachi America, 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:

Develop solutions which work on 5G mmwave cellular networks.

Station Locations

(1) Santa Clara (SANTA CLARA), CA - NL 37-22-58; WL 121-58-17

Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-22-58; WL 121-58-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2180 MHz	FX	10M0F9W	70 W (ERP)	
37000-40000 MHz	FX	400MW9W	80 W (ERP)	

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.

This authorization effective November 01, 2021 and
will expire 3:00 A.M. EST May 01, 2022

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Special Conditions:

- (2) The authorized emission bandwidth shall be so located within the band that it does not extend beyond the upper or lower limits of the frequency bands requested in the application (2110 - 2180 MHz and 37 - 40 GHz).
- (3) Operation in the 37,000 - 40,000 MHz band must comply with the unwanted emission power levels of ITU Resolution 243 (WRC-19).
- (4) Licensee must successfully secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 37-40 GHz band.
- (5) Licensee must successfully secure consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to frequencies from 2110 MHz to 2180 MHz.