

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WK2XDZ

(Call Sign)

XT      FX MO

(Class of Station)

0116-EX-CM-2021

(File Number)

NAME Tecore, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(h) of the Commission's Rules

Station Locations

- (1) Hanover (HOWARD), MD - NL 39-11-32; WL 76-43-37; MOBILE: Hanover, MD, within 15 km, centered around NL 39-11-32; WL 76-43-37

Frequency Information

Hanover (HOWARD), MD - NL 39-11-32; WL 76-43-37; MOBILE: Hanover, MD, within 15 km, centered around NL 39-11-32; \

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 699-716 MHz | MO            | 9M00F9W             | 9.74 W (ERP)     |                           |
| 704-716 MHz | MO            | 9M00W7D<br>9M00G7D  | 9.74 W (ERP)     |                           |
| 729-746 MHz | FX            | 9M00F9W             | 563.63 W (ERP)   |                           |
| 734-746 MHz | FX            | 9M00W7D             | 563.63 W (ERP)   |                           |

This authorization effective July 08, 2021 and  
will expire 3:00 A.M. EST May 01, 2023

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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| Frequency         | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 734-746 MHz       | FX            | 9M00G7D                                             | 563.63 W (ERP)   |                           |
| 746-756 MHz       | FX            | 9M00F9W                                             | 563.63 W (ERP)   |                           |
| 824-849 MHz       | MO            | 9M05W7D<br>9M01G7D<br>4M20F9W<br>246KGXW<br>243KG7W | 9.73 W (ERP)     |                           |
| 869-894 MHz       | FX            | 9M05F9W<br>9M01G7D<br>4M20F9W<br>246KGXW<br>243KG7W | 668.34 W (ERP)   |                           |
| 880-915 MHz       | MO            | 9M00F9W                                             | 9.73 W (ERP)     |                           |
| 925-960 MHz       | FX            | 9M00F9W                                             | 690.23 W (ERP)   |                           |
| 1710-1785 MHz     | MO            | 18M0W7D<br>18M0G7D                                  | 9.69 W (ERP)     |                           |
| 1749.5-1784.9 MHz | MO            | 18M0F9W                                             | 9.69 W (ERP)     |                           |

## Frequency Information

Hanover (HOWARD), MD - NL 39-11-32; WL 76-43-37; MOBILE: Hanover, MD, within 15 km, centered around NL 39-11-32; \

| Frequency         | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|------------------------------------------|------------------|---------------------------|
| 1805-1880 MHz     | FX            | 18M0W7D<br>18M0G7D                       | 1224.61 W (ERP)  |                           |
| 1844.9-1879.9 MHz | FX            | 18M0F9W                                  | 1224.61 W (ERP)  |                           |
| 1850-1910 MHz     | MO            | 18M0F9W<br>18M0G7D<br>250KGXW<br>250KG7W | 9.69 W (ERP)     |                           |
| 1880-1920 MHz     | MO            | 1M00G9W<br>18M0G9W                       | 9.68 W (ERP)     |                           |
| 1880-1920 MHz     | FX            | 18M0G9W                                  | 1330.45 W (ERP)  |                           |
| 1920-1980 MHz     | MO            | 18M0F9W<br>4M20F9W                       | 9.68 W (ERP)     |                           |
| 1930-1990 MHz     | FX            | 18M0F9W<br>18M0G7D<br>250KGXW<br>250KG7W | 1336.59 W (ERP)  |                           |
| 2110-2170 MHz     | FX            | 18M0F9W                                  | 1492.79 W (ERP)  |                           |

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| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 2110-2170 MHz     | FX            | 4M20F9W             | 1492.79 W (ERP)  |                           |
| 2500.001-2570 MHz | MO            | 18M0F9W<br>18M0G7D  | 9.66 W (ERP)     |                           |
| 2500.001-2690 MHz | FX            | 18M0G7D<br>18M0W7D  | 1364.58 W (ERP)  |                           |
| 2500.001-2690 MHz | MO            | 18M0G9W<br>18M0W7D  | 9.66 W (ERP)     |                           |
| 2570-2620 MHz     | MO            | 18M0G7D<br>18M0W7D  | 9.66 W (ERP)     |                           |
| 2570-2620 MHz     | FX            | 18M0G7D<br>18M0W7D  | 1364.58 W (ERP)  |                           |
| 2620-2690 MHz     | FX            | 18M0F9W<br>18M1G7D  | 1370.88 W (ERP)  |                           |

## Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."

**Special Conditions:**

- (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 must obtain consents from the Advance Wireless Service licensees prior to operation in 1710-1785 MHz, 1749.5-1784.9 MHz, 2110-2170 MHz and 1915-1920 MHz bands.
- (5) The applicant must obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to operation in 2500.001-2690 MHz range.
- (6) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator and the affected Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 925-960 MHz band.
- (7) Operation is NOT PERMITTED using the frequency band 756-806 MHz, 2300-2500 MHz and 3550-3700 MHz.
- (8) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
  - 700 MHz Lower Band "A" block licensees (698-704 MHz/728-734 MHz)
  - 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
  - 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
  - 700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
  - Cellular licensees (824-849 MHz/869-894 MHz)
  - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
  - SMR licensees (896-901 MHz/935-940 MHz)
  - B/ILT licensees (896-901 MHz/935-940 MHz)
  - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
  - Location & Monitoring Service licensees (902-928 MHz)
  - Paging Service licensees in 929 MHz and 931 MHz
  - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (9) Stop buzzer, Steve Harsham at (410) 875-6230.