



**UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
RADIO STATION AUTHORIZATION**

Name: GCI Communication Corp.

Call Sign: E120237

Authorization Type: Modification of License

File Number: SES-MOD-20160801-00752

Common Carrier

Grant date: 11/10/2016

Expiration Date: 01/30/2028



Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

**A) Site Location(s)**

| #  | Site ID | Address                          | Latitude    | Longitude     | Elevation (Meters) | NAD | Special Provisions (Refer to Section H) |
|----|---------|----------------------------------|-------------|---------------|--------------------|-----|---|
| 1) | 1       | NIKOLAI, YUKON-KOYUKUK, AK 99691 | 63°0'44.9"N | 154°22'26.8"W | 129.24             | 83  |   |

Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.

*Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning January 30, 2013 (3 AM Eastern Standard Time) and ending January 30, 2028 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is November 10, 2017 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.*

**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

| #  | Frequency (MHz)     | Polarization Code | Emission | Tx/Rx Mode | Max EIRP /Carrier (dBW) | Max EIRP Density /Carrier (dBW/4kHz) | Associated Antenna | Special Provisions (Refer to Section H) | Modulation/ Services   |
|----|---------------------|-------------------|----------|------------|-------------------------|--------------------------------------|--------------------|---|--|
| 1) | 5925.0000-6425.0000 | H,V               | 36M0D7W  | Tx         | 69.21                   | 29.67                                | 1                  |   | Phase and amplitude modulated voice, video, and data services. |
| 2) | 5925.0000-6425.0000 | H,V               | 45K0D7W- | Tx         | 48.01                   | 37.50                                | 1                  |   | Phase and amplitude modulated voice, video, and data services. |
| 3) | 5925.0000-6425.0000 | H,V               | 36M0G7W  | Tx         | 69.21                   | 29.67                                | 1                  |   | Phase modulated voice, video, and data services.               |
| 4) | 5925.0000-6425.0000 | H,V               | 45K0G7W- | Tx         | 48.01                   | 37.50                                | 1                  |   | Phase modulated voice, video, and data services.               |
| 5) | 3700.0000-4200.0000 | H,V               | 36M0D7W  | Rx         |                         |                                      | 1                  |   | Phase and amplitude modulated voice, video, and data services. |



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|----|---------------------|-------------------|----------|------------|-------------------------|--------------------------------------|--------------------|---|--|
| 6) | 3700.0000-4200.0000 | H,V               | 45K0D7W- | Rx         |                         |                                      | 1                  |   | Phase and amplitude modulated voice, video, and data services. |
| 7) | 3700.0000-4200.0000 | H,V               | 36M0G7W  | Rx         |                         |                                      | 1                  |   | Phase modulated voice, video, and data services.               |
| 8) | 3700.0000-4200.0000 | H,V               | 45K0G7W- | Rx         |                         |                                      | 1                  |   | Phase modulated voice, video, and data services.               |

**C) Frequency Coordination Limits**

| #  | Frequency Limits (MHz) | Satellite Arc (Deg. Long.) |            | Elevation (Degrees) |            | Azimuth (Degrees) |            | Max EIRP Density toward Horizon (dBW/4kHz) | Associated Antenna(s) |
|----|------------------------|----------------------------|------------|---------------------|------------|-------------------|------------|--|-----------------------|
|    |                        | East Limit                 | West Limit | East Limit          | West Limit | East Limit        | West Limit |  |                       |
| 1) | 3700.0000-4200.0000    | 99.0W                      | 194.0W     | 06.3                | 11.9       | 121.6             | 222.9      |  | 1                     |
| 2) | 5925.0000-6425.0000    | 99.0W                      | 194.0W     | 06.3                | 11.9       | 121.6             | 222.9      | 2.826                                      | 1                     |

**D) Points of Communications**

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to Permitted Space Station List

**E) Antenna Facilities**

| Site ID | Antenna ID | Units | Diameter (meters) | Manufacturer | Model number | Site Elevation (Meters) | Max Antenna Height (Meters) | Special Provisions (Refer to Section H) |
|---------|------------|-------|-------------------|--------------|--------------|-------------------------|-----------------------------|---|
| 1       | 1          | 1     | 3.8               | PATRIOT      | TXINT-380AZ  | 129.24                  | 3.66 AGL/ 132.9 AMSL        |   |

Max Gains(s): .42.3 dBi @ 4.0000 GHz 46.3 dBi @ 6.0000 GHz  
 Maximum total input power at antenna flange (Watts) = 200.00  
 Maximum aggregate output EIRP for all carriers (dBW) = 69.21





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**H) Special and General Provisions**

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR § 1.1307 (b) (5).

5208 --- The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at [www.fcc.gov/oet/rfsafety](http://www.fcc.gov/oet/rfsafety)) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.



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**B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:**

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

**Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.**