



June 06, 2019

Re: Denali 20020, LLC  
BRYAN, TX  
Temporary Transmit-Only Earth Station  
Operation Dates: 07/01/2019 - 08/01/2019  
Job Number: 190606COMSGE06

Dear Frequency Coordinator:

On behalf of Denali 20020, LLC, we are forwarding the attached coordination data for a Temporary Transmit-Only Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving non-active paths or frequencies outside the specified range.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards  
Senior Manager  
gedwards@comsearch.com

Enclosure(s)

Date: 06/06/2019  
Job Number: 190606COMSGE06

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**Administrative Information**

Status TEMPORARY (Operation from 07/01/2019 to 08/01/2019)  
Call Sign TEMP08  
Licensee Code DENALI  
Licensee Name Denali 20020, LLC

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**Site Information****BRYAN, TX**

Venue Name  
Latitude (NAD 83) 30° 38' 18.2" N  
Longitude (NAD 83) 96° 28' 35.0" W  
Climate Zone A  
Rain Zone 2  
Ground Elevation (AMSL) 79.6 m / 261.2 ft

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**Link Information**

Satellite Type Low Earth Orbit  
Mode TO - Transmit-Only  
Modulation Digital  
Minimum Elevation Angle 20.0°  
Azimuth Range 0.0° to 360°  
Antenna Centerline (AGL) 1.83 m / 6.0 ft

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**Antenna Information****Transmit - FCC32**

Manufacturer Cobham  
Model HOA4)  
Gain / Diameter 3.0 dBi / 0.1 m  
3-dB / 15-dB Beamwidth 7.20° / 14.20°

Max Available RF Power (dBW/4 kHz) -3.0  
(dBW/MHz) -24.0

Maximum EIRP (dBW/4 kHz) 1.9  
(dBW/MHz) -19.1

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%  
Short Term -131.0 dBW/4 kHz 0.0025%

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**Frequency Information****Transmit 2.0 GHz**

Emission / Frequency Range (MHz) 25K0G7D - 150KG7D / 2005.0 - 2005.6

Max Great Circle Coordination Distance 100.0 km / 62.1 mi  
Precipitation Scatter Contour Radius 100.4 km / 62.4 mi

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Coordination Values</b>         | <b>BRYAN, TX</b>         |
| Licensee Name                      | Denali 20020, LLC        |
| Latitude (NAD 83)                  | 30° 38' 18.2" N          |
| Longitude (NAD 83)                 | 96° 28' 35.0" W          |
| Ground Elevation (AMSL)            | 79.6 m / 261.2 ft        |
| Antenna Centerline (AGL)           | 1.83 m / 6.0 ft          |
| Antenna Model                      | Cobham 0.08 meter        |
| Antenna Mode                       | Transmit 2.0 GHz         |
| Interference Objectives: Long Term | -154.0 dBW/4 kHz 20%     |
| Short Term                         | -131.0 dBW/4 kHz 0.0025% |
| Max Available RF Power             | -3.0 (dBW/4 kHz)         |

| Azimuth (°) | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Transmit 2.0 GHz      |                               |
|-------------|--------------------------|-------------------------------|-----------------------|-------------------------------|
|             |                          |                               | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 0           | 0.00                     | 86.79                         | -4.00                 | 100.00                        |
| 5           | 0.00                     | 81.94                         | -4.00                 | 100.00                        |
| 10          | 0.00                     | 77.09                         | -4.00                 | 100.00                        |
| 15          | 0.00                     | 72.25                         | -4.00                 | 100.00                        |
| 20          | 0.00                     | 67.42                         | -4.00                 | 100.00                        |
| 25          | 0.00                     | 62.61                         | -4.00                 | 100.00                        |
| 30          | 0.00                     | 57.80                         | -4.00                 | 100.00                        |
| 35          | 0.00                     | 53.03                         | -4.00                 | 100.00                        |
| 40          | 0.00                     | 48.28                         | -4.00                 | 100.00                        |
| 45          | 0.00                     | 43.57                         | -4.00                 | 100.00                        |
| 50          | 0.00                     | 38.92                         | -4.00                 | 100.00                        |
| 55          | 0.00                     | 34.35                         | -4.00                 | 100.00                        |
| 60          | 0.00                     | 29.90                         | -4.00                 | 100.00                        |
| 65          | 0.00                     | 25.64                         | -4.00                 | 100.00                        |
| 70          | 0.00                     | 21.66                         | -4.00                 | 100.00                        |
| 75          | 0.00                     | 18.17                         | -4.00                 | 100.00                        |
| 80          | 0.00                     | 15.49                         | -4.00                 | 100.00                        |
| 85          | 0.00                     | 14.11                         | -4.00                 | 100.00                        |
| 90          | 0.00                     | 14.39                         | -4.00                 | 100.00                        |
| 95          | 0.00                     | 16.24                         | -4.00                 | 100.00                        |
| 100         | 0.00                     | 19.23                         | -4.00                 | 100.00                        |
| 105         | 0.00                     | 22.91                         | -4.00                 | 100.00                        |
| 110         | 0.00                     | 26.99                         | -4.00                 | 100.00                        |
| 115         | 0.00                     | 31.33                         | -4.00                 | 100.00                        |
| 120         | 0.00                     | 35.82                         | -4.00                 | 100.00                        |
| 125         | 0.00                     | 40.42                         | -4.00                 | 100.00                        |
| 130         | 0.00                     | 45.09                         | -4.00                 | 100.00                        |
| 135         | 0.00                     | 49.81                         | -4.00                 | 100.00                        |
| 140         | 0.00                     | 54.57                         | -4.00                 | 100.00                        |
| 145         | 0.00                     | 59.35                         | -4.00                 | 100.00                        |
| 150         | 0.00                     | 64.16                         | -4.00                 | 100.00                        |
| 155         | 0.00                     | 68.98                         | -4.00                 | 100.00                        |
| 160         | 0.00                     | 73.82                         | -4.00                 | 100.00                        |
| 165         | 0.00                     | 78.66                         | -4.00                 | 100.00                        |
| 170         | 0.00                     | 83.51                         | -4.00                 | 100.00                        |
| 175         | 0.00                     | 88.36                         | -4.00                 | 100.00                        |
| 180         | 0.00                     | 93.21                         | -4.00                 | 100.00                        |
| 185         | 0.00                     | 98.06                         | -4.00                 | 100.00                        |

|                                    |                          |
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| Antenna Model                      | Cobham 0.08 meter        |
| Antenna Mode                       | Transmit 2.0 GHz         |
| Interference Objectives: Long Term | -154.0 dBW/4 kHz 20%     |
| Short Term                         | -131.0 dBW/4 kHz 0.0025% |
| Max Available RF Power             | -3.0 (dBW/4 kHz)         |

| Azimuth (°) | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Transmit 2.0 GHz      |                               |
|-------------|--------------------------|-------------------------------|-----------------------|-------------------------------|
|             |                          |                               | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 190         | 0.00                     | 102.91                        | -4.00                 | 100.00                        |
| 195         | 0.00                     | 107.75                        | -4.00                 | 100.00                        |
| 200         | 0.00                     | 112.58                        | -4.00                 | 100.00                        |
| 205         | 0.00                     | 117.39                        | -4.00                 | 100.00                        |
| 210         | 0.00                     | 122.20                        | -4.00                 | 100.00                        |
| 215         | 0.00                     | 126.97                        | -4.00                 | 100.00                        |
| 220         | 0.00                     | 131.72                        | -4.00                 | 100.00                        |
| 225         | 0.00                     | 136.43                        | -4.00                 | 100.00                        |
| 230         | 0.00                     | 141.08                        | -4.00                 | 100.00                        |
| 235         | 0.00                     | 145.65                        | -4.00                 | 100.00                        |
| 240         | 0.00                     | 150.10                        | -4.00                 | 100.00                        |
| 245         | 0.00                     | 154.36                        | -4.00                 | 100.00                        |
| 250         | 0.00                     | 158.34                        | -4.00                 | 100.00                        |
| 255         | 0.00                     | 161.83                        | -4.00                 | 100.00                        |
| 260         | 0.00                     | 164.51                        | -4.00                 | 100.00                        |
| 265         | 0.00                     | 165.89                        | -4.00                 | 100.00                        |
| 270         | 0.00                     | 165.61                        | -4.00                 | 100.00                        |
| 275         | 0.00                     | 163.76                        | -4.00                 | 100.00                        |
| 280         | 0.00                     | 160.77                        | -4.00                 | 100.00                        |
| 285         | 0.00                     | 157.09                        | -4.00                 | 100.00                        |
| 290         | 0.00                     | 153.01                        | -4.00                 | 100.00                        |
| 295         | 0.00                     | 148.67                        | -4.00                 | 100.00                        |
| 300         | 0.00                     | 144.18                        | -4.00                 | 100.00                        |
| 305         | 0.00                     | 139.58                        | -4.00                 | 100.00                        |
| 310         | 0.00                     | 134.91                        | -4.00                 | 100.00                        |
| 315         | 0.00                     | 130.19                        | -4.00                 | 100.00                        |
| 320         | 0.00                     | 125.43                        | -4.00                 | 100.00                        |
| 325         | 0.00                     | 120.65                        | -4.00                 | 100.00                        |
| 330         | 0.00                     | 115.84                        | -4.00                 | 100.00                        |
| 335         | 0.00                     | 111.02                        | -4.00                 | 100.00                        |
| 340         | 0.00                     | 106.18                        | -4.00                 | 100.00                        |
| 345         | 0.00                     | 101.34                        | -4.00                 | 100.00                        |
| 350         | 0.00                     | 96.49                         | -4.00                 | 100.00                        |
| 355         | 0.00                     | 91.64                         | -4.00                 | 100.00                        |