

# Ka,Q/V-Band Earth Station – Ponce, PR.

## Frequency Coordination Report

### Ka, Q/V-Band

Receive: 37.5 – 42.5 GHz Transmit: 27.5 – 31.0 GHz, 47.2 – 50.2, 50.4 – 52.4 GHz



Prepared on Behalf of  
SPACE EXPLORATION  
HOLDINGS

July 21, 2026



---

## Table of Contents

|           |                                                       |              |
|-----------|-------------------------------------------------------|--------------|
| <b>1.</b> | <b>Summary of Results</b>                             | <b>- 1 -</b> |
| <b>2.</b> | <b>40/50 GHz Common Carrier and LTTS Coordination</b> | <b>- 1 -</b> |
| <b>3.</b> | <b>28/40/50 GHz UMFUS Coordination</b>                | <b>- 2 -</b> |
| <b>4.</b> | <b>Earth Station Coordination Data</b>                | <b>- 3 -</b> |
| <b>5.</b> | <b>Contact Information</b>                            | <b>- 7 -</b> |



## 1. Summary of Results

On behalf of SPACE EXPLORATION HOLDINGS, Comsearch performed a coordination notice under Section 25.203(c) of the FCC's rules for all existing and proposed terrestrial licenses within the coordination contours of their proposed Ka, Q/V-band earth station in Ponce, PR which will receive at 40 GHz and transmit at 28 and 50 GHz<sup>1</sup>. Prior-notification letters were sent to the licensees and a copy of the notification data is provided in section four of this report. The earth station coordination was finalized on July 20, 2026.

There are no unresolved objections from any of the incumbent 28/40/50 GHz licensees.

## 2. 28/40/50 GHz Common Carrier and LTTS Coordination

In accordance with FCC Rules and Regulations, the Ka, Q/V-band earth station in Ponce, PR was prior-coordinated by Comsearch. A notification letter and datasheets for this earth station were sent to the following 28/40/50 GHz common carrier fixed microwave licensees. These licensees are authorized to operate temporary fixed operations from 38.6 – 40.0 GHz on a nationwide basis or local basis.

| Licensee        | Authorized Geographic Area |
|-----------------|----------------------------|
| None Identified |                            |

A notification letter and datasheets for the Ka, Q/V-band earth station in Ponce, PR were also sent to the following 40 GHz LTTS licensee. This licensee is authorized to operate temporary fixed operations from 38.6 – 40.0 GHz on a market basis.

| Licensee   | Authorized Geographic Area |
|------------|----------------------------|
| DCI II Inc | Nationwide                 |

No objections were received from the common carrier or LTTS incumbents.

<sup>1</sup> The proposed earth station will receive in the 37.5 – 42.5 GHz & transmit in the 47.2-50.2 GHz / 50.4-52.4 GHz portion of the Q/V-Band. Ka-band transmissions will be in the 27.5 – 31.0 GHz band.

### 3. 28/40/50 GHz UMFUS Coordination

There were five 28/40/50 GHz UMFUS licensees identified within the coordination distance of the proposed earth station. The proposed earth station will operate on frequencies that overlap portions of the UMFUS service which includes the following frequency ranges:

27.5 GHz – 31.0 GHz  
37.5 GHz – 42.5 GHz  
47.2 GHz – 50.2 GHz

| Licensee                | Authorized Geographic Area |
|-------------------------|----------------------------|
| AT&T                    | Market Based               |
| American Movil          | Market Based               |
| Blue Ridge Wireless LLC | Market Based               |
| *Neptuno Networks       | Market Based               |
| T-Mobile                | Market Based               |

\*Neptuno Networks objected to this coordination with their systems operating in the 27.925 – 28.350 GHz and 29.1 – 29.25 GHz spectrum.

There were no objections from the UMFUS incumbents within the coordination distance at the end of the coordination period.



---

## **4. Earth Station Coordination Data**

This section presents the data pertinent to the proposed Ka, Q/V-band earth station in Ponce, PR. This data was circulated to all incumbent licensees in the shared 28/40/50 GHz frequency ranges.

Date: 05/22/2026  
Job Number: 260522COMSGE03

#### Administrative Information

Status: ENGINEER PROPOSAL  
Call Sign:  
Licensee Code: SPACEX  
Licensee Name: SpaceX Services, Inc

#### Site Information

**PONCE, PR**  
Venue Name: COTO LAUREL SOLAR  
Latitude (NAD 83): 18° 3' 43.1" N  
Longitude (NAD 83): 66° 32' 52.0" W  
Climate Zone: B  
Rain Zone: 1  
Ground Elevation (AMSL): 90.0 m / 295.3 ft

#### Link Information

Satellite Type: Low Earth Orbit  
Mode: TR - Transmit-Receive  
Antenna Count: 40  
Modulation: Digital  
Minimum Elevation Angle: 10.0°  
Azimuth Range: 0.0° to 360°  
Antenna Centerline (AGL): 1.4 m / 4.6 ft

#### Antenna Information

Manufacturer:  
Model:  
Gain / Diameter:  
3-dB / 15-dB Beamwidth:

#### Receive - FCC32

SpaceX  
1.99 meter  
50.0 dBi / 2.0 m  
0.50° / 1.00°

#### Transmit - FCC32

SpaceX  
1.99 meter  
53.9 dBi / 2.0 m  
0.30° / 0.60°

Max Available RF Power (dBW/4 kHz)  
(dBW/MHz)

-40.8  
-16.8

Maximum EIRP (dBW/4 kHz)  
(dBW/MHz)

13.1  
37.1

Aggregate EIRP (dBW/MHz)

37.1

Interference Objectives: Long Term -156.0 dBW/MHz 20%  
Short Term -146.0 dBW/MHz 0.01%

-151.0 dBW/4 kHz 20%  
-128.0 dBW/4 kHz 0.0025%

#### Frequency Information

Emission / Frequency Range (MHz)

#### Receive 18.0 GHz

60M0D7W - 480MD7W / 17300.0 - 17800.0  
60M0D7W - 480MD7W / 17800.0 - 18600.0  
60M0D7W - 480MD7W / 18600.0 - 18800.0  
60M0D7W - 480MD7W / 18800.0 - 19300.0  
60M0D7W - 480MD7W / 19300.0 - 19700.0  
60M0D7W - 480MD7W / 19700.0 - 20200.0  
60M0D7W - 480MD7W / 20200.0 - 21200.0

#### Transmit 28.0 GHz

60M0D7W - 480MD7W / 27500.0 - 29100.0  
60M0D7W - 480MD7W / 29100.0 - 29500.0  
60M0D7W - 480MD7W / 29500.0 - 30000.0  
60M0D7W - 480MD7W / 30000.0 - 31000.0

Max Great Circle Coordination Distance  
Precipitation Scatter Contour Radius

225.0 km / 139.8 mi  
100.0 km / 62.1 mi

100.0 km / 62.1 mi  
100.0 km / 62.1 mi

SPACE EXPLORATION HOLDINGS  
**Ka, Q/V-Band Earth Station – Ponce, PR**  
**Frequency Coordination Report**  
**28/40/50 GHz**

| Coordination Values                |                       |                            | PONCE, PR            |                            |                    |                            |
|------------------------------------|-----------------------|----------------------------|----------------------|----------------------------|--------------------|----------------------------|
| Licensee Name                      |                       |                            | SpaceX Services, Inc |                            |                    |                            |
| Latitude (NAD 83)                  |                       |                            | 18° 3' 43.1" N       |                            |                    |                            |
| Longitude (NAD 83)                 |                       |                            | 66° 32' 52.0" W      |                            |                    |                            |
| Ground Elevation (AMSL)            |                       |                            | 90.0 m / 295.3 ft    |                            |                    |                            |
| Antenna Centerline (AGL)           |                       |                            | 1.4 m / 4.6 ft       |                            |                    |                            |
| Antenna Model                      |                       |                            | SpaceX 1.99 meter    |                            |                    |                            |
| Antenna Mode                       |                       |                            | Receive 18.0 GHz     |                            | Transmit 28.0 GHz  |                            |
| Interference Objectives: Long Term |                       |                            | -156.0 dBW/MHz       | 20%                        | -151.0 dBW/4 kHz   | 20%                        |
| Short Term                         |                       |                            | -146.0 dBW/MHz       | 0.01%                      | -128.0 dBW/4 kHz   | 0.0025%                    |
| Max Available RF Power             |                       |                            | -40.8 (dBW/4 kHz)    |                            |                    |                            |
| Azimuth (°)                        | Horizon Elevation (°) | Antenna Discrimination (°) | Receive 18.0 GHz     |                            | Transmit 28.0 GHz  |                            |
|                                    |                       |                            | Horizon Gain (dBi)   | Coordination Distance (km) | Horizon Gain (dBi) | Coordination Distance (km) |
| 0                                  | 5.37                  | 97.58                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 5                                  | 5.21                  | 92.63                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 10                                 | 4.76                  | 87.69                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 15                                 | 5.30                  | 82.74                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 20                                 | 5.32                  | 77.80                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 25                                 | 4.94                  | 72.87                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 30                                 | 4.09                  | 68.00                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 35                                 | 5.21                  | 62.99                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 40                                 | 5.06                  | 58.08                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 45                                 | 4.97                  | 53.18                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 50                                 | 4.57                  | 48.33                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 55                                 | 4.43                  | 43.48                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 60                                 | 4.51                  | 38.62                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 65                                 | 4.06                  | 33.93                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 70                                 | 3.12                  | 29.50                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 75                                 | 2.42                  | 25.22                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 80                                 | 1.65                  | 21.32                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 85                                 | 1.65                  | 17.47                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 90                                 | 1.48                  | 14.47                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 95                                 | 0.74                  | 13.31                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 100                                | 0.29                  | 13.69                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 105                                | 0.25                  | 15.36                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 110                                | 0.23                  | 18.26                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 115                                | 0.00                  | 22.02                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 120                                | 0.00                  | 26.06                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 125                                | 0.43                  | 30.20                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 130                                | 0.57                  | 34.66                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 135                                | 1.01                  | 39.16                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 140                                | 0.81                  | 43.92                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 145                                | 0.00                  | 48.84                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 150                                | 0.00                  | 53.60                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 155                                | 0.00                  | 58.39                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 160                                | 0.00                  | 63.20                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 165                                | 0.00                  | 68.03                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 170                                | 0.00                  | 72.86                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 175                                | 0.00                  | 77.71                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 180                                | 0.00                  | 82.56                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 185                                | 0.00                  | 87.41                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |

SPACE EXPLORATION HOLDINGS  
**Ka, Q/V-Band Earth Station – Ponce, PR**  
**Frequency Coordination Report**  
**28/40/50 GHz**

| Coordination Values                |                          |                               | PONCE, PR             |                               |                       |                               |
|------------------------------------|--------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|
| Licensee Name                      |                          |                               | SpaceX Services, Inc  |                               |                       |                               |
| Latitude (NAD 83)                  |                          |                               | 18° 3' 43.1" N        |                               |                       |                               |
| Longitude (NAD 83)                 |                          |                               | 66° 32' 52.0" W       |                               |                       |                               |
| Ground Elevation (AMSL)            |                          |                               | 90.0 m / 295.3 ft     |                               |                       |                               |
| Antenna Centerline (AGL)           |                          |                               | 1.4 m / 4.6 ft        |                               |                       |                               |
| Antenna Model                      |                          |                               | SpaceX 1.99 meter     |                               |                       |                               |
| Antenna Mode                       |                          |                               | Receive 18.0 GHz      |                               | Transmit 28.0 GHz     |                               |
| Interference Objectives: Long Term |                          |                               | -156.0 dBW/MHz        | 20%                           | -151.0 dBW/4 kHz      | 20%                           |
| Short Term                         |                          |                               | -146.0 dBW/MHz        | 0.01%                         | -128.0 dBW/4 kHz      | 0.0025%                       |
| Max Available RF Power             |                          |                               | -40.8 (dBW/4 kHz)     |                               |                       |                               |
| Azimuth (°)                        | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Receive 18.0 GHz      |                               | Transmit 28.0 GHz     |                               |
|                                    |                          |                               | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 190                                | 0.00                     | 92.27                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 195                                | 0.36                     | 97.14                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 200                                | 0.68                     | 102.01                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 205                                | 0.96                     | 106.89                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 210                                | 0.82                     | 111.74                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 215                                | 0.33                     | 116.53                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 220                                | 0.47                     | 121.37                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 225                                | 0.38                     | 126.16                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 230                                | 0.63                     | 130.98                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 235                                | 0.00                     | 135.58                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 240                                | 0.29                     | 140.33                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 245                                | 0.00                     | 144.85                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 250                                | 0.00                     | 149.34                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 255                                | 1.11                     | 154.20                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 260                                | 1.30                     | 158.48                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 265                                | 3.06                     | 163.46                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 270                                | 1.48                     | 165.53                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 275                                | 1.92                     | 167.84                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 280                                | 1.86                     | 167.85                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 285                                | 2.97                     | 166.96                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 290                                | 4.21                     | 164.43                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 295                                | 5.31                     | 160.76                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 300                                | 4.12                     | 155.76                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 305                                | 4.42                     | 151.22                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 310                                | 4.39                     | 146.47                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 315                                | 3.36                     | 141.44                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 320                                | 2.60                     | 136.48                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 325                                | 3.64                     | 131.84                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 330                                | 3.40                     | 126.94                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 335                                | 4.71                     | 122.20                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 340                                | 4.98                     | 117.31                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 345                                | 5.16                     | 112.39                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 350                                | 5.81                     | 107.49                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 355                                | 6.05                     | 102.55                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |



Date: 05/22/2026  
Job Number: 260522COMSGE03

#### Administrative Information

Status: ENGINEER PROPOSAL  
Call Sign:  
Licensee Code: SPACEX  
Licensee Name: SpaceX Services, Inc

#### Site Information

**PONCE, PR**  
Venue Name: COTO LAUREL SOLAR  
Latitude (NAD 83): 18° 3' 43.1" N  
Longitude (NAD 83): 66° 32' 52.0" W  
Climate Zone: B  
Rain Zone: 1  
Ground Elevation (AMSL): 90.0 m / 295.3 ft

#### Link Information

Satellite Type: Low Earth Orbit  
Mode: TR - Transmit-Receive  
Antenna Count: 40  
Modulation: Digital  
Minimum Elevation Angle: 10.0°  
Azimuth Range: 0.0° to 360°  
Antenna Centerline (AGL): 1.4 m / 4.6 ft

#### Antenna Information

Manufacturer: SpaceX  
Model: 1.99 meter  
Gain / Diameter: 55.9 dBi / 2.0 m  
3-dB / 15-dB Beamwidth: 0.25° / 0.50°

#### Receive - FCC32

#### Transmit - FCC32

Max Available RF Power (dBW/4 kHz)  
(dBW/MHz)

-47.8  
-23.8

Maximum EIRP (dBW/4 kHz)  
(dBW/MHz)

10.3  
34.3

Aggregate EIRP (dBW/MHz)

34.3

Interference Objectives: Long Term -156.0 dBW/MHz 20%  
Short Term -146.0 dBW/MHz 0.01%

-151.0 dBW/4 kHz 20%  
-128.0 dBW/4 kHz 0.0025%

#### Frequency Information

Emission / Frequency Range (MHz)

#### Receive 40.0 GHz

60M0D7W - 480MD7W / 37500.0 - 42500.0

#### Transmit 50.0 GHz

60M0D7W - 480MD7W / 47200.0 - 50200.0  
60M0D7W - 480MD7W / 50400.0 - 51400.0  
60M0D7W - 480MD7W / 51400.0 - 52400.0

Max Great Circle Coordination Distance  
Precipitation Scatter Contour Radius

225.0 km / 139.8 mi  
100.0 km / 62.1 mi

100.0 km / 62.1 mi  
100.0 km / 62.1 mi

SPACE EXPLORATION HOLDINGS  
**Ka, Q/V-Band Earth Station – Ponce, PR**  
**Frequency Coordination Report**  
**28/40/50 GHz**

| Coordination Values                |                       |                            | PONCE, PR            |                            |                    |                            |
|------------------------------------|-----------------------|----------------------------|----------------------|----------------------------|--------------------|----------------------------|
| Licensee Name                      |                       |                            | SpaceX Services, Inc |                            |                    |                            |
| Latitude (NAD 83)                  |                       |                            | 18° 3' 43.1" N       |                            |                    |                            |
| Longitude (NAD 83)                 |                       |                            | 66° 32' 52.0" W      |                            |                    |                            |
| Ground Elevation (AMSL)            |                       |                            | 90.0 m / 295.3 ft    |                            |                    |                            |
| Antenna Centerline (AGL)           |                       |                            | 1.4 m / 4.6 ft       |                            |                    |                            |
| Antenna Model                      |                       |                            | SpaceX 1.99 meter    |                            |                    |                            |
| Antenna Mode                       |                       |                            | Receive 40.0 GHz     |                            | Transmit 50.0 GHz  |                            |
| Interference Objectives: Long Term |                       |                            | -156.0 dBW/MHz       | 20%                        | -151.0 dBW/4 kHz   | 20%                        |
| Short Term                         |                       |                            | -146.0 dBW/MHz       | 0.01%                      | -128.0 dBW/4 kHz   | 0.0025%                    |
| Max Available RF Power             |                       |                            | -47.8 (dBW/4 kHz)    |                            |                    |                            |
| Azimuth (°)                        | Horizon Elevation (°) | Antenna Discrimination (°) | Receive 40.0 GHz     |                            | Transmit 50.0 GHz  |                            |
|                                    |                       |                            | Horizon Gain (dBi)   | Coordination Distance (km) | Horizon Gain (dBi) | Coordination Distance (km) |
| 0                                  | 5.37                  | 97.58                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 5                                  | 5.21                  | 92.63                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 10                                 | 4.76                  | 87.69                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 15                                 | 5.30                  | 82.74                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 20                                 | 5.32                  | 77.80                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 25                                 | 4.94                  | 72.87                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 30                                 | 4.09                  | 68.00                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 35                                 | 5.21                  | 62.99                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 40                                 | 5.06                  | 58.08                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 45                                 | 4.97                  | 53.18                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 50                                 | 4.57                  | 48.33                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 55                                 | 4.43                  | 43.48                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 60                                 | 4.51                  | 38.62                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 65                                 | 4.06                  | 33.93                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 70                                 | 3.12                  | 29.50                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 75                                 | 2.42                  | 25.22                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 80                                 | 1.65                  | 21.32                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 85                                 | 1.65                  | 17.47                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 90                                 | 1.48                  | 14.47                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 95                                 | 0.74                  | 13.31                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 100                                | 0.29                  | 13.69                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 105                                | 0.25                  | 15.36                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 110                                | 0.23                  | 18.26                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 115                                | 0.00                  | 22.02                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 120                                | 0.00                  | 26.06                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 125                                | 0.43                  | 30.20                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 130                                | 0.57                  | 34.66                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 135                                | 1.01                  | 39.16                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 140                                | 0.81                  | 43.92                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 145                                | 0.00                  | 48.84                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 150                                | 0.00                  | 53.60                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 155                                | 0.00                  | 58.39                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 160                                | 0.00                  | 63.20                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 165                                | 0.00                  | 68.03                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 170                                | 0.00                  | 72.86                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 175                                | 0.00                  | 77.71                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 180                                | 0.00                  | 82.56                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |
| 185                                | 0.00                  | 87.41                      | 0.00                 | 225.00                     | 0.00               | 100.00                     |

SPACE EXPLORATION HOLDINGS  
**Ka, Q/V-Band Earth Station – Ponce, PR**  
**Frequency Coordination Report**  
**28/40/50 GHz**

| Coordination Values                |                       | PONCE, PR                  |                    |                            |                    |                            |
|------------------------------------|-----------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|
| Licensee Name                      |                       | SpaceX Services, Inc       |                    |                            |                    |                            |
| Latitude (NAD 83)                  |                       | 18° 3' 43.1" N             |                    |                            |                    |                            |
| Longitude (NAD 83)                 |                       | 66° 32' 52.0" W            |                    |                            |                    |                            |
| Ground Elevation (AMSL)            |                       | 90.0 m / 295.3 ft          |                    |                            |                    |                            |
| Antenna Centerline (AGL)           |                       | 1.4 m / 4.6 ft             |                    |                            |                    |                            |
| Antenna Model                      |                       | SpaceX 1.99 meter          |                    |                            |                    |                            |
| Antenna Mode                       |                       | Receive 40.0 GHz           |                    | Transmit 50.0 GHz          |                    |                            |
| Interference Objectives: Long Term |                       | -156.0 dBW/MHz             | 20%                | -151.0 dBW/4 kHz           | 20%                |                            |
|                                    |                       | Short Term                 | -146.0 dBW/MHz     | 0.01%                      | -128.0 dBW/4 kHz   | 0.0025%                    |
| Max Available RF Power             |                       | -47.8 (dBW/4 kHz)          |                    |                            |                    |                            |
| Azimuth (°)                        | Horizon Elevation (°) | Antenna Discrimination (°) | Receive 40.0 GHz   |                            | Transmit 50.0 GHz  |                            |
|                                    |                       |                            | Horizon Gain (dBi) | Coordination Distance (km) | Horizon Gain (dBi) | Coordination Distance (km) |
| 190                                | 0.00                  | 92.27                      | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 195                                | 0.36                  | 97.14                      | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 200                                | 0.68                  | 102.01                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 205                                | 0.96                  | 106.89                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 210                                | 0.82                  | 111.74                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 215                                | 0.33                  | 116.53                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 220                                | 0.47                  | 121.37                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 225                                | 0.38                  | 126.16                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 230                                | 0.63                  | 130.98                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 235                                | 0.00                  | 135.58                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 240                                | 0.29                  | 140.33                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 245                                | 0.00                  | 144.85                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 250                                | 0.00                  | 149.34                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 255                                | 1.11                  | 154.20                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 260                                | 1.30                  | 158.48                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 265                                | 3.06                  | 163.46                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 270                                | 1.48                  | 165.53                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 275                                | 1.92                  | 167.84                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 280                                | 1.86                  | 167.85                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 285                                | 2.97                  | 166.96                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 290                                | 4.21                  | 164.43                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 295                                | 5.31                  | 160.76                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 300                                | 4.12                  | 155.76                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 305                                | 4.42                  | 151.22                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 310                                | 4.39                  | 146.47                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 315                                | 3.36                  | 141.44                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 320                                | 2.60                  | 136.48                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 325                                | 3.64                  | 131.84                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 330                                | 3.40                  | 126.94                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 335                                | 4.71                  | 122.20                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 340                                | 4.98                  | 117.31                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 345                                | 5.16                  | 112.39                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 350                                | 5.81                  | 107.49                     | 0.00               | 225.00                     | 0.00               | 100.00                     |
| 355                                | 6.05                  | 102.55                     | 0.00               | 225.00                     | 0.00               | 100.00                     |



## **5. Contact Information**

For questions or information regarding the Ka, Q/V-band Frequency Coordination Report, please contact:

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Contact person: | Gary Edwards                                             |
| Title:          | Senior Manager, Satellite Services                       |
| Company:        | Comsearch                                                |
| Address:        | 21515 Ridgetop Circle, Suite 300, Sterling, VA 20166     |
| Telephone:      | 703-726-5662                                             |
| Email:          | GEdwards@Comsearch.com                                   |
| Web site:       | <a href="http://www.comsearch.com">www.comsearch.com</a> |

# FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for  
**SpaceX Services, Inc**  
**PONCE, PR**  
**Satellite Earth Station**

Prepared By:  
COMSEARCH  
21515 Ridgetop Circle, Suite 300  
Sterling, VA 20166  
July 21, 2026

## TABLE OF CONTENTS

|                                         |    |
|-----------------------------------------|----|
| 1. CONCLUSIONS .....                    | 3  |
| 2. SUMMARY OF RESULTS .....             | 4  |
| 3. SUPPLEMENTAL SHOWING .....           | 5  |
| 4. EARTH STATION COORDINATION DATA..... | 6  |
| 5. CERTIFICATION.....                   | 13 |

## **1. CONCLUSIONS**

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

## **2. SUMMARY OF RESULTS**

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.



### 3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated 05/22/2026.

Company

Aeronet Wireless Broadband LLC  
Alphanet Wireless  
Broadband VI, LLC  
Bureau of Information Tech of USVI  
Choice Communications, LLC (VI)  
Cosotnet  
DMwireless Inc.  
Government of the USVI  
Guaynabo Municipal Police  
Liberty Mobile Puerto Rico Inc.  
Liberty Mobile USVI Inc  
MS Wifi Zone  
Municipio De Carolina  
Negociado del Cuerpo de Emergencias Medi  
Neptuno Media, Inc.  
Olympic Wireless, LLC  
Osnet Wireless Corporation  
Puerto Rico Electric Power Authority  
Puerto Rico Telephone Company, Inc.  
T-Mobile Puerto Rico MW LLC  
TMPR License LLC  
U.S. Virgin Islands Bureau of IT  
VPNet, Inc.  
Virgin Islands, Government of  
WM Wireless Inc  
Xairnet Corp

## **4. EARTH STATION COORDINATION DATA**

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

# COMSEARCH

## Earth Station Data Sheet

21515 Ridgetop Circle, Suite 300, Sterling, VA 20166  
(703)726-5662 <http://www.comsearch.com>

Date: 05/22/2026  
Job Number: 260522COMSGE03

|                                   |                      |
|-----------------------------------|----------------------|
| <b>Administrative Information</b> |                      |
| Status                            | ENGINEER PROPOSAL    |
| Call Sign                         |                      |
| Licensee Code                     | SPACEX               |
| Licensee Name                     | SpaceX Services, Inc |

|                         |                   |
|-------------------------|-------------------|
| <b>Site Information</b> |                   |
| Venue Name              | PONCE, PR         |
| Latitude (NAD 83)       | COTO LAUREL SOLAR |
| Longitude (NAD 83)      | 18° 3' 43.1" N    |
| Climate Zone            | 66° 32' 52.0" W   |
| Rain Zone               | B                 |
| Ground Elevation (AMSL) | 1                 |
|                         | 90.0 m / 295.3 ft |

|                          |                       |
|--------------------------|-----------------------|
| <b>Link Information</b>  |                       |
| Satellite Type           | Low Earth Orbit       |
| Mode                     | TR - Transmit-Receive |
| Antenna Count            | 40                    |
| Modulation               | Digital               |
| Minimum Elevation Angle  | 10.0°                 |
| Azimuth Range            | 0.0° to 360°          |
| Antenna Centerline (AGL) | 1.4 m / 4.6 ft        |

| Antenna Information      |             | Receive - FCC32  |       | Transmit - FCC32         |
|--------------------------|-------------|------------------|-------|--------------------------|
| Manufacturer             |             | SpaceX           |       | SpaceX                   |
| Model                    |             | 1.99 meter       |       | 1.99 meter               |
| Gain / Diameter          |             | 50.0 dBi / 2.0 m |       | 53.9 dBi / 2.0 m         |
| 3-dB / 15-dB Beamwidth   |             | 0.50° / 1.00°    |       | 0.30° / 0.60°            |
| Max Available RF Power   | (dBW/4 kHz) |                  |       | -40.8                    |
|                          | (dBW/MHz)   |                  |       | -16.8                    |
| Maximum EIRP             | (dBW/4 kHz) |                  |       | 13.1                     |
|                          | (dBW/MHz)   |                  |       | 37.1                     |
| Aggregate EIRP           | (dBW/MHz)   |                  |       | 37.1                     |
| Interference Objectives: | Long Term   | -156.0 dBW/MHz   | 20%   | -151.0 dBW/4 kHz 20%     |
|                          | Short Term  | -146.0 dBW/MHz   | 0.01% | -128.0 dBW/4 kHz 0.0025% |

| Frequency Information                  |  | Receive 18.0 GHz                      | Transmit 28.0 GHz                     |
|----------------------------------------|--|---------------------------------------|---------------------------------------|
| Emission / Frequency Range (MHz)       |  | 60M0D7W - 480MD7W / 17300.0 - 17800.0 | 60M0D7W - 480MD7W / 27500.0 - 29100.0 |
|                                        |  | 60M0D7W - 480MD7W / 17800.0 - 18600.0 | 60M0D7W - 480MD7W / 29100.0 - 29500.0 |
|                                        |  | 60M0D7W - 480MD7W / 18600.0 - 18800.0 | 60M0D7W - 480MD7W / 29500.0 - 30000.0 |
|                                        |  | 60M0D7W - 480MD7W / 18800.0 - 19300.0 | 60M0D7W - 480MD7W / 30000.0 - 31000.0 |
|                                        |  | 60M0D7W - 480MD7W / 19300.0 - 19700.0 |                                       |
|                                        |  | 60M0D7W - 480MD7W / 19700.0 - 20200.0 |                                       |
|                                        |  | 60M0D7W - 480MD7W / 20200.0 - 21200.0 |                                       |
|                                        |  |                                       |                                       |
| Max Great Circle Coordination Distance |  | 225.0 km / 139.8 mi                   | 100.0 km / 62.1 mi                    |
| Precipitation Scatter Contour Radius   |  | 100.0 km / 62.1 mi                    | 100.0 km / 62.1 mi                    |

# COMSEARCH

## Earth Station Data Sheet

21515 Ridgetop Circle, Suite 300, Sterling, VA 20166  
(703)726-5662 <http://www.comsearch.com>

|                                    |  |                      |       |                   |         |
|------------------------------------|--|----------------------|-------|-------------------|---------|
| <b>Coordination Values</b>         |  | <b>PONCE, PR</b>     |       |                   |         |
| Licensee Name                      |  | SpaceX Services, Inc |       |                   |         |
| Latitude (NAD 83)                  |  | 18° 3' 43.1" N       |       |                   |         |
| Longitude (NAD 83)                 |  | 66° 32' 52.0" W      |       |                   |         |
| Ground Elevation (AMSL)            |  | 90.0 m / 295.3 ft    |       |                   |         |
| Antenna Centerline (AGL)           |  | 1.4 m / 4.6 ft       |       |                   |         |
| Antenna Model                      |  | SpaceX 1.99 meter    |       |                   |         |
| Antenna Mode                       |  | Receive 18.0 GHz     |       | Transmit 28.0 GHz |         |
| Interference Objectives: Long Term |  | -156.0 dBW/MHz       | 20%   | -151.0 dBW/4 kHz  | 20%     |
| Short Term                         |  | -146.0 dBW/MHz       | 0.01% | -128.0 dBW/4 kHz  | 0.0025% |
| Max Available RF Power             |  | -40.8 (dBW/4 kHz)    |       |                   |         |

| Azimuth (°) | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Receive 18.0 GHz      |                               | Transmit 28.0 GHz     |                               |
|-------------|--------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|
|             |                          |                               | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 0           | 5.37                     | 97.58                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 5           | 5.21                     | 92.63                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 10          | 4.76                     | 87.69                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 15          | 5.30                     | 82.74                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 20          | 5.32                     | 77.80                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 25          | 4.94                     | 72.87                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 30          | 4.09                     | 68.00                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 35          | 5.21                     | 62.99                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 40          | 5.06                     | 58.08                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 45          | 4.97                     | 53.18                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 50          | 4.57                     | 48.33                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 55          | 4.43                     | 43.48                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 60          | 4.51                     | 38.62                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 65          | 4.06                     | 33.93                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 70          | 3.12                     | 29.50                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 75          | 2.42                     | 25.22                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 80          | 1.65                     | 21.32                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 85          | 1.65                     | 17.47                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 90          | 1.48                     | 14.47                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 95          | 0.74                     | 13.31                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 100         | 0.29                     | 13.69                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 105         | 0.25                     | 15.36                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 110         | 0.23                     | 18.26                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 115         | 0.00                     | 22.02                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 120         | 0.00                     | 26.06                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 125         | 0.43                     | 30.20                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 130         | 0.57                     | 34.66                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 135         | 1.01                     | 39.16                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 140         | 0.81                     | 43.92                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 145         | 0.00                     | 48.84                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 150         | 0.00                     | 53.60                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 155         | 0.00                     | 58.39                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 160         | 0.00                     | 63.20                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 165         | 0.00                     | 68.03                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 170         | 0.00                     | 72.86                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 175         | 0.00                     | 77.71                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 180         | 0.00                     | 82.56                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 185         | 0.00                     | 87.41                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |

# COMSEARCH

## Earth Station Data Sheet

21515 Ridgetop Circle, Suite 300, Sterling, VA 20166  
(703)726-5662 <http://www.comsearch.com>

|                                    |  |                      |       |                   |         |
|------------------------------------|--|----------------------|-------|-------------------|---------|
| <b>Coordination Values</b>         |  | <b>PONCE, PR</b>     |       |                   |         |
| Licensee Name                      |  | SpaceX Services, Inc |       |                   |         |
| Latitude (NAD 83)                  |  | 18° 3' 43.1" N       |       |                   |         |
| Longitude (NAD 83)                 |  | 66° 32' 52.0" W      |       |                   |         |
| Ground Elevation (AMSL)            |  | 90.0 m / 295.3 ft    |       |                   |         |
| Antenna Centerline (AGL)           |  | 1.4 m / 4.6 ft       |       |                   |         |
| Antenna Model                      |  | SpaceX 1.99 meter    |       |                   |         |
| Antenna Mode                       |  | Receive 18.0 GHz     |       | Transmit 28.0 GHz |         |
| Interference Objectives: Long Term |  | -156.0 dBW/MHz       | 20%   | -151.0 dBW/4 kHz  | 20%     |
| Short Term                         |  | -146.0 dBW/MHz       | 0.01% | -128.0 dBW/4 kHz  | 0.0025% |
| Max Available RF Power             |  | -40.8 (dBW/4 kHz)    |       |                   |         |

|             |                          |                               | Receive 18.0 GHz      |                               | Transmit 28.0 GHz     |                               |
|-------------|--------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|
| Azimuth (°) | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 190         | 0.00                     | 92.27                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 195         | 0.36                     | 97.14                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 200         | 0.68                     | 102.01                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 205         | 0.96                     | 106.89                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 210         | 0.82                     | 111.74                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 215         | 0.33                     | 116.53                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 220         | 0.47                     | 121.37                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 225         | 0.38                     | 126.16                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 230         | 0.63                     | 130.98                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 235         | 0.00                     | 135.58                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 240         | 0.29                     | 140.33                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 245         | 0.00                     | 144.85                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 250         | 0.00                     | 149.34                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 255         | 1.11                     | 154.20                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 260         | 1.30                     | 158.48                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 265         | 3.06                     | 163.46                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 270         | 1.48                     | 165.53                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 275         | 1.92                     | 167.84                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 280         | 1.86                     | 167.85                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 285         | 2.97                     | 166.96                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 290         | 4.21                     | 164.43                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 295         | 5.31                     | 160.76                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 300         | 4.12                     | 155.76                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 305         | 4.42                     | 151.22                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 310         | 4.39                     | 146.47                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 315         | 3.36                     | 141.44                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 320         | 2.60                     | 136.48                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 325         | 3.64                     | 131.84                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 330         | 3.40                     | 126.94                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 335         | 4.71                     | 122.20                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 340         | 4.98                     | 117.31                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 345         | 5.16                     | 112.39                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 350         | 5.81                     | 107.49                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 355         | 6.05                     | 102.55                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |

# COMSEARCH

## Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

Date: 05/22/2026  
Job Number: 260522COMSGE03

### Administrative Information

Status: ENGINEER PROPOSAL  
Call Sign:  
Licensee Code: SPACEX  
Licensee Name: SpaceX Services, Inc

### Site Information

**PONCE, PR**  
Venue Name: COTO LAUREL SOLAR  
Latitude (NAD 83): 18° 3' 43.1" N  
Longitude (NAD 83): 66° 32' 52.0" W  
Climate Zone: B  
Rain Zone: 1  
Ground Elevation (AMSL): 90.0 m / 295.3 ft

### Link Information

Satellite Type: Low Earth Orbit  
Mode: TR - Transmit-Receive  
Antenna Count: 40  
Modulation: Digital  
Minimum Elevation Angle: 10.0°  
Azimuth Range: 0.0° to 360°  
Antenna Centerline (AGL): 1.4 m / 4.6 ft

### Antenna Information

Manufacturer:  
Model:  
Gain / Diameter:  
3-dB / 15-dB Beamwidth:

### Receive - FCC32

SpaceX  
1.99 meter  
55.9 dBi / 2.0 m  
0.25° / 0.50°

### Transmit - FCC32

SpaceX  
1.99 meter  
58.1 dBi / 2.0 m  
0.20° / 0.40°

Max Available RF Power (dBW/4 kHz): -47.8  
(dBW/MHz): -23.8

Maximum EIRP (dBW/4 kHz): 10.3  
(dBW/MHz): 34.3

Aggregate EIRP (dBW/MHz): 34.3

Interference Objectives: Long Term: -156.0 dBW/MHz 20% -151.0 dBW/4 kHz 20%  
Short Term: -146.0 dBW/MHz 0.01% -128.0 dBW/4 kHz 0.0025%

### Frequency Information

### Receive 40.0 GHz

Emission / Frequency Range (MHz): 60M0D7W - 480MD7W / 37500.0 - 42500.0

### Transmit 50.0 GHz

60M0D7W - 480MD7W / 47200.0 - 50200.0  
60M0D7W - 480MD7W / 50400.0 - 51400.0  
60M0D7W - 480MD7W / 51400.0 - 52400.0

Max Great Circle Coordination Distance: 225.0 km / 139.8 mi 100.0 km / 62.1 mi  
Precipitation Scatter Contour Radius: 100.0 km / 62.1 mi 100.0 km / 62.1 mi

# COMSEARCH

## Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

### Coordination Values

### PONCE, PR

Licensee Name SpaceX Services, Inc  
Latitude (NAD 83) 18° 3' 43.1" N  
Longitude (NAD 83) 66° 32' 52.0" W  
Ground Elevation (AMSL) 90.0 m / 295.3 ft  
Antenna Centerline (AGL) 1.4 m / 4.6 ft  
Antenna Model SpaceX 1.99 meter

Antenna Mode Receive 40.0 GHz

Interference Objectives: Long Term

Short Term

-156.0 dBW/MHz

-146.0 dBW/MHz

20%

0.01%

Transmit 50.0 GHz

-151.0 dBW/4 kHz 20%

-128.0 dBW/4 kHz 0.0025%

Max Available RF Power

-47.8 (dBW/4 kHz)

| Azimuth (°) | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Receive 40.0 GHz      |                               | Transmit 50.0 GHz     |                               |
|-------------|--------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|
|             |                          |                               | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 0           | 5.37                     | 97.58                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 5           | 5.21                     | 92.63                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 10          | 4.76                     | 87.69                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 15          | 5.30                     | 82.74                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 20          | 5.32                     | 77.80                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 25          | 4.94                     | 72.87                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 30          | 4.09                     | 68.00                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 35          | 5.21                     | 62.99                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 40          | 5.06                     | 58.08                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 45          | 4.97                     | 53.18                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 50          | 4.57                     | 48.33                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 55          | 4.43                     | 43.48                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 60          | 4.51                     | 38.62                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 65          | 4.06                     | 33.93                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 70          | 3.12                     | 29.50                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 75          | 2.42                     | 25.22                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 80          | 1.65                     | 21.32                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 85          | 1.65                     | 17.47                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 90          | 1.48                     | 14.47                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 95          | 0.74                     | 13.31                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 100         | 0.29                     | 13.69                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 105         | 0.25                     | 15.36                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 110         | 0.23                     | 18.26                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 115         | 0.00                     | 22.02                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 120         | 0.00                     | 26.06                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 125         | 0.43                     | 30.20                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 130         | 0.57                     | 34.66                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 135         | 1.01                     | 39.16                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 140         | 0.81                     | 43.92                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 145         | 0.00                     | 48.84                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 150         | 0.00                     | 53.60                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 155         | 0.00                     | 58.39                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 160         | 0.00                     | 63.20                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 165         | 0.00                     | 68.03                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 170         | 0.00                     | 72.86                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 175         | 0.00                     | 77.71                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 180         | 0.00                     | 82.56                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 185         | 0.00                     | 87.41                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |

# COMSEARCH

## Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

### Coordination Values

### PONCE, PR

Licensee Name SpaceX Services, Inc  
Latitude (NAD 83) 18° 3' 43.1" N  
Longitude (NAD 83) 66° 32' 52.0" W  
Ground Elevation (AMSL) 90.0 m / 295.3 ft  
Antenna Centerline (AGL) 1.4 m / 4.6 ft  
Antenna Model SpaceX 1.99 meter

Antenna Mode Receive 40.0 GHz

Interference Objectives: Long Term

Short Term

-156.0 dBW/MHz

-146.0 dBW/MHz

20%

0.01%

Transmit 50.0 GHz

-151.0 dBW/4 kHz 20%

-128.0 dBW/4 kHz 0.0025%

Max Available RF Power

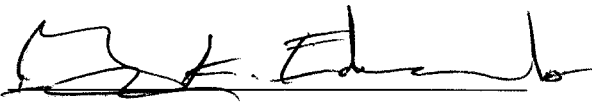
-47.8 (dBW/4 kHz)

| Azimuth (°) | Horizon<br>Elevation (°) | Antenna<br>Discrimination (°) | Receive 40.0 GHz      |                               | Transmit 50.0 GHz     |                               |
|-------------|--------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|
|             |                          |                               | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) | Horizon<br>Gain (dBi) | Coordination<br>Distance (km) |
| 190         | 0.00                     | 92.27                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 195         | 0.36                     | 97.14                         | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 200         | 0.68                     | 102.01                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 205         | 0.96                     | 106.89                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 210         | 0.82                     | 111.74                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 215         | 0.33                     | 116.53                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 220         | 0.47                     | 121.37                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 225         | 0.38                     | 126.16                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 230         | 0.63                     | 130.98                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 235         | 0.00                     | 135.58                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 240         | 0.29                     | 140.33                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 245         | 0.00                     | 144.85                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 250         | 0.00                     | 149.34                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 255         | 1.11                     | 154.20                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 260         | 1.30                     | 158.48                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 265         | 3.06                     | 163.46                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 270         | 1.48                     | 165.53                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 275         | 1.92                     | 167.84                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 280         | 1.86                     | 167.85                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 285         | 2.97                     | 166.96                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 290         | 4.21                     | 164.43                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 295         | 5.31                     | 160.76                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 300         | 4.12                     | 155.76                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 305         | 4.42                     | 151.22                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 310         | 4.39                     | 146.47                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 315         | 3.36                     | 141.44                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 320         | 2.60                     | 136.48                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 325         | 3.64                     | 131.84                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 330         | 3.40                     | 126.94                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 335         | 4.71                     | 122.20                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 340         | 4.98                     | 117.31                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 345         | 5.16                     | 112.39                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 350         | 5.81                     | 107.49                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |
| 355         | 6.05                     | 102.55                        | 0.00                  | 225.00                        | 0.00                  | 100.00                        |



## 5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY: 

Gary K. Edwards  
Senior Manager  
COMSEARCH  
21515 Ridgetop Circle, Suite 300  
Sterling, VA 20166

DATED: July 21, 2026



## **E-band Frequency Coordination Report**

**The “Coto Laurel Solar Farm” Gateway (Ponce,  
Puerto Rico)**

**May 21, 2026**



## Summary

SpaceX performed a coordination notice under Section 25.203(c), Section 25.251, and Appendix 7 of the ITU's Radio Regulations. Prior-notification letters with earth station details were sent to potentially affected terrestrial licensees; a copy of these details are available in this report. The earth station coordination was finalized on June 05, 2026. No objections were received from any terrestrial licensees.

## Methodology

SpaceX has completed an interference analysis based on accepted international and Commission methodologies demonstrating that this satellite earth station will not cause harmful interference to existing terrestrial facilities in the band. Specifically, for each known receiver within the great circle coordination distance surrounding the proposed earth station, SpaceX calculated the expected interference/noise ratio (I/N) to the receiver, assuming the SpaceX antenna properties listed on the following page, SpaceX site layout and design, free-space propagation without terrain or clutter, and actual characteristics of receiver(s) obtained from the 70/80/90 GHz link-registration database. Even under these conservative assumptions, SpaceX's analysis confirms that this earth station will not cause interference exceeding 1.0 dB of degradation to the static threshold of existing 70/80 GHz links within the great circle coordination distance.<sup>1</sup>

## Operators contacted

Prior-coordination letters were sent to the following operators:

1. Aeronet Wireless Broadband LLC
2. FamilNet
3. Fuse Telecom LLC
4. LUMA ENERGY
5. Liberty Mobile Puerto Rico Inc.
6. MS Wifi Zone
7. Nelson Mullins Riley & Scarborough LLP
8. Nepptunomedia, Inc.
9. OSNET Wireless Corp.
10. PUERTO RICO ELECTRIC POWER AUTHORITY
11. REMEC Broadband Wireless Networks LLC DBA Bridgewave Communications
12. Siklu, Inc
13. T-MOBILE LICENSE LLC
14. WM Wireless Inc. d/b/a SpeedyNet

---

<sup>1</sup> If there were any cases in which the interference threshold was exceeded in the conservative free-space analysis for any relevant receiver, SpaceX conducted an additional analysis with more realistic assumptions of terrain and clutter, under which the interference threshold was not exceeded for any relevant receiver. This further ensures that there will be no above-threshold interference to existing receivers.



Frequency Coordination Report  
E-Band Earth Station

## Earth Station Data

This section presents the data that was circulated to all operators that met the criteria for notification for this earth station.

---

### Site Information:

- Transmitting station name: The "Coto Laurel Solar Farm" Gateway
- Transmitting station coordinates: 18.06197, -66.5478
- Ground Elevation (AMSL): 90 m
- Antenna Count: 40
- Aggregate EIRP toward the horizon: -9 dBW/MHz

### Frequency Information:

- Transmit: 81-86 GHz
- Receive: 71-76 GHz
- Max Great Circle Coordination Distance: 127 km
- Rain Scatter Coordination Distance Contour: 6 km

### Link Information:

- Satellite Type: Low Earth Orbit
- Mode: TR – Transmit-Receive
- Modulation: Digital
- Minimum Elevation Angle: 15.0°
- Azimuth Range: 0.0° to 360.0°
- Antenna Centerline (AGL): 1.4 m

### Antenna Information:

- Manufacturer: SpaceX
- Model/Diameter: 1.99m
- Gain: 60.9 dBi at 83.5 GHz
- Max Available RF Power: -20.8 dBW/MHz
- Horizon Gain: 0 dBi
- Maximum EIRP: 40.1 dBW/MHz (main beam)
- Permissible RF Interference Power Level<sup>2</sup>: I/N ≤ -6 dB
- Antenna Mask: ITU-R S.580

---

<sup>2</sup> See 47 CFR § 101.105(a)(5)(i). This I/N value would cause a maximum of 1.0 dB of degradation to the static threshold of the protected receiver.

### Horizon Angle by Azimuth:

All values are in degrees

| Azimuth | Horizon Angle |
|---------|---------------|
| 0.0     | 6.01          |
| 5.0     | 5.31          |
| 10.0    | 4.76          |
| 15.0    | 5.30          |
| 20.0    | 4.34          |
| 25.0    | 4.18          |
| 30.0    | 3.99          |
| 35.0    | 4.59          |
| 40.0    | 4.71          |
| 45.0    | 4.17          |
| 50.0    | 3.64          |
| 55.0    | 3.80          |
| 60.0    | 4.47          |
| 65.0    | 3.48          |
| 70.0    | 3.15          |
| 75.0    | 2.99          |
| 80.0    | 2.14          |
| 85.0    | 1.64          |
| 90.0    | 1.23          |
| 95.0    | 0.73          |
| 100.0   | 0.55          |
| 105.0   | 0.41          |
| 110.0   | 0.18          |
| 115.0   | 0.01          |
| 120.0   | -0.29         |
| 125.0   | 0.25          |
| 130.0   | 0.20          |
| 135.0   | 0.56          |
| 140.0   | 0.48          |
| 145.0   | -0.31         |
| 150.0   | -0.31         |
| 155.0   | -0.31         |
| 160.0   | -0.31         |
| 165.0   | -0.31         |
| 170.0   | -0.30         |
| 175.0   | -0.31         |
| 180.0   | -0.31         |
| 185.0   | -0.31         |
| 190.0   | -0.08         |
| 195.0   | 0.29          |



Frequency Coordination Report  
E-Band Earth Station

|       |       |
|-------|-------|
| 200.0 | 0.58  |
| 205.0 | 0.15  |
| 210.0 | 0.59  |
| 215.0 | 0.20  |
| 220.0 | 0.25  |
| 225.0 | 0.39  |
| 230.0 | 0.36  |
| 235.0 | -0.09 |
| 240.0 | 0.18  |
| 245.0 | 0.39  |
| 250.0 | 0.33  |
| 255.0 | 0.66  |
| 260.0 | 1.11  |
| 265.0 | 2.62  |
| 270.0 | 1.60  |
| 275.0 | 1.88  |
| 280.0 | 1.52  |
| 285.0 | 2.77  |
| 290.0 | 3.87  |
| 295.0 | 4.92  |
| 300.0 | 3.86  |
| 305.0 | 3.97  |
| 310.0 | 3.14  |
| 315.0 | 3.26  |
| 320.0 | 2.92  |
| 325.0 | 3.43  |
| 330.0 | 3.78  |
| 335.0 | 4.39  |
| 340.0 | 5.03  |
| 345.0 | 5.55  |
| 350.0 | 5.80  |
| 355.0 | 6.09  |