

SATELLITE EARTH STATION
 FREQUENCY COORDINATION DATA
 02/12/2015

| | | | |
|--|---------------------------------|---------|-----------------------|
| Company | RigNet SatCom, Inc. | | |
| Earth Station Name, State | GOMEX ENSCO DS5, Gulf of Mexico | | |
| Latitude (DMS) (NAD83) | 28 18 | 0.0 | N |
| Longitude (DMS) (NAD83) | 88 6 | 0.0 | W |
| Ground Elevation AMSL (ft/m) | 0.00 | / | 0.00 |
| Antenna Centerline AGL (ft/m) | 100.00 | / | 30.48 |
| Receive Antenna Type: | FCC32 | Sea Tel | |
| | | 9797 | |
| 4.0 GHz Gain (dBi) / Diameter (m) | 38.5 | / | 2.4 |
| 3 dB / 15 dB Half Beamwidth | 1.02 | / | 1.90 |
| Transmit Antenna Type: | FCC32 | Sea Tel | |
| | | 9797 | |
| 6.0 GHz Gain (dBi) / Diameter (m) | 41.7 | / | 2.4 |
| 3 dB / 15 dB Half Beamwidth | 0.70 | / | 1.32 |
| Operating Mode | TRANSMIT AND RECEIVE | | |
| Modulation | DIGITAL | | |
| Emission / Receive Band (MHz) | 341KG7W - 682KG7W | / | 3700.0000 - 4200.0000 |
| Emission / Transmit Band (MHz) | 341KG7W - 682KG7W | / | 5925.0000 - 6425.0000 |
| Max. Available RF Power (dBW)/4 kHz | -11.00 | | |
| (dBW)/MHz | 13.00 | | |
| Max. EIRP (dBW)/4 kHz | 30.70 | | |
| (dBW)/MHz | 54.70 | | |
| (dBW) | 0.00 | | |
| Max. Permissible Interference Power | | | |
| 4.0 GHz, 20% (dBW/1 MHz) | -156.0 | | |
| 4.0 GHz, 0.0100% (dBW/1 MHz) | -146.0 | | |
| 6.0 GHz, 20% (dBW/4 kHz) | -154.0 | | |
| 6.0 GHz, 0.0025% (dBW/4 kHz) | -131.0 | | |
| Range of Satellite Arc (Geostationary) | | | |
| Degrees Longitude | 18.0 | W / | 139.0 W |
| Azimuth Range (Min/Max) | 99.7 | / | 248.9 |
| Corresponding Elevation Angles | 8.8 | / | 25.9 |
| Radio Climate | B | | |
| Rain Zone | 1 | | |
| Max. Great Circle Coordination Distance (mi./km) | | | |
| 4.0 GHz | 441.8 | / | 711.0 |
| 6.0 GHz | 163.4 | / | 262.9 |
| Precipitation Scatter Contour Radius (mi./km) | | | |
| 4.0 GHz | 400.3 | / | 644.2 |
| 6.0 GHz | 62.1 | / | 100.0 |

Note: Horizon is less than 0.2 degrees at all azimuths