

# I. Disposiciones generales

## TRIBUNAL CONSTITUCIONAL

**14905** *CONFLICTO positivo de competencia número 676/1985, planteado por el Consejo Ejecutivo de la Generalidad de Cataluña en relación con el Real Decreto 333/1985, de 15 de marzo.*

El Tribunal Constitucional, por auto de 16 de junio actual, dictado en el conflicto positivo de competencia número 676/1985, planteado por el Consejo Ejecutivo de la Generalidad de Cataluña, ha acordado tener por desistido a dicho Consejo del presente conflicto positivo de competencia, planteado frente al Gobierno de la Nación respecto del Real Decreto 333/1985, de 15 de marzo, sobre garantías de prestación de servicios esenciales en situación de paro, en relación con el abastecimiento de aguas del Ter.

Lo que se publica para general conocimiento.

Madrid, 16 de junio de 1987.—El Presidente del Tribunal Constitucional, Francisco Tomás y Valiente.—Firmado y rubricado.

## MINISTERIO DE ASUNTOS EXTERIORES

**11975** *REGLAMENTO de Radiocomunicaciones hecho en Ginebra el 6 de diciembre de 1979. Actas Finales de la Conferencia Administrativa Mundial de Radiocomunicaciones encargada de los servicios móviles, hechas en Ginebra el 18 de marzo de 1983, y Actas Finales aprobadas por la primera reunión de la Conferencia Administrativa Mundial de Radiocomunicaciones sobre la utilización de la órbita de los satélites geoestacionarios y la planificación de los servicios espaciales que la utilizan, hechas en Ginebra el 15 de septiembre de 1985. (Continuación.)*

El Reglamento de Radiocomunicaciones entró en vigor de forma general el 1 de enero de 1982, excepto los casos especificados en el artículo 5.188 —que lo hicieron el 1 de enero de 1981— y en el artículo 5.189 que entraron en vigor el 1 de febrero de 1983. Para España entró en vigor el 17 de diciembre de 1985.

Las Actas Finales de la Conferencia Administrativa Mundial de Radiocomunicaciones encargada de los servicios móviles entraron en vigor de forma general el 15 de enero de 1985 y para España el 17 de diciembre de 1985.

Las Actas Finales aprobadas por la primera Reunión de la Conferencia Administrativa Mundial de Radiocomunicaciones sobre la utilización de la órbita de los satélites geoestacionarios y la planificación de los servicios espaciales que la utilizan entraron en vigor de forma general el 30 de octubre de 1986 y para España en la misma fecha.

Lo que se hace público para conocimiento general.

Madrid, 6 de mayo de 1987.—El Secretario general técnico, José Manuel Paz Agüeras.

**12224,00 MHz (1)**

|          |         |   |         |        |      |      |     |   |      |        |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01303 | -129.20 | 1 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.0 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 1 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 1 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 1 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 1 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 1 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 1 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 1 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 1 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 1 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 1 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 1 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 64.9 | 9/GR5  |    |
| CLM00001 | -103.20 | 1 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.5 | 10     |    |
| EQACAND1 | -115.20 | 1 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.0 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 1 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| FLKANT01 | -57.20  | 1 | -44.54  | -60.13 | 3.54 | 0.80 | 12  | 1 | 59.3 | 2      | 10 |
| FLKFALKS | -31.00  | 1 | -59.90  | -51.64 | 0.80 | 0.80 | 90  | 1 | 58.1 | 2      |    |
| GRD00002 | -42.20  | 1 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| HWA00002 | -166.20 | 1 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 1 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -78.20  | 1 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1      |    |
| MEX01SUR | -69.20  | 1 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.2 | 1      | 10 |
| MEX02NTE | -136.20 | 1 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1      | 10 |
| MEX02SUR | -127.20 | 1 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.5 | 1      | 10 |

## 12224,00 MHz (1)

| 1        | 2       | 3 | 4       |        | 5    |      | 6   | 7 | 8    | 9             |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------------|----|
| PAQPAC01 | -106.20 | 1 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17        |    |
| PRG00002 | -99.20  | 1 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |               |    |
| PRUAND02 | -115.20 | 1 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 63.9 | 9/GR5         |    |
| PTRVIR01 | -101.20 | 1 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.5 | 1 8 9/GR20    |    |
| PTRVIR02 | -110.20 | 1 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21    |    |
| SPMFRAN3 | -53.20  | 1 | -67.24  | 47.51  | 3.16 | 0.80 | 7   | 1 | 60.4 | 2 7           | 10 |
| TRD00001 | -84.70  | 1 | -61.23  | 10.70  | 0.80 | 0.80 | 90  | 1 | 59.4 |               |    |
| URG00001 | -71.70  | 1 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |               |    |
| USAEH001 | -61.70  | 1 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6         | 10 |
| USAEH002 | -101.20 | 1 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 10 |    |
| USAEH003 | -110.20 | 1 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.0 | 1 8 9/GR21 10 |    |
| USAEH004 | -119.20 | 1 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6         | 10 |
| USAPSA02 | -166.20 | 1 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.2 | 9/GR1         |    |
| USAPSA03 | -175.20 | 1 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2         |    |
| USAWH101 | -148.20 | 1 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10            |    |
| USAWH102 | -157.20 | 1 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10            |    |
| VENAND03 | -115.20 | 1 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.2 | 9/GR5         |    |
| VRG00001 | -79.70  | 1 | -64.37  | 18.48  | 0.80 | 0.80 | 90  | 1 | 58.3 | 4             |    |

## 12238,58 MHz (2)

|          |         |   |         |        |      |      |     |   |      |            |  |
|----------|---------|---|---------|--------|------|------|-----|---|------|------------|--|
| ALS00002 | -165.80 | 2 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.7 | 9/GR1 10   |  |
| ALS00003 | -174.80 | 2 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2 10   |  |
| ARGNORT4 | -93.80  | 2 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.6 | 10         |  |
| ARGNORT5 | -54.80  | 2 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10         |  |
| ATNBEAM1 | -52.80  | 2 | -66.44  | 14.87  | 1.83 | 0.80 | 39  | 2 | 61.0 |            |  |
| B CE311  | -63.80  | 2 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 10 |  |
| B CE312  | -44.80  | 2 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 10 |  |
| B CE411  | -63.80  | 2 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 10 |  |
| B CE412  | -44.80  | 2 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.7 | 8 9/GR9 10 |  |
| B CE511  | -63.80  | 2 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 10 |  |
| B NO611  | -73.80  | 2 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.8 | 8 9/GR8 10 |  |
| B NO711  | -73.80  | 2 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 10 |  |
| B NO811  | -73.80  | 2 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 10 |  |
| B SE911  | -101.80 | 2 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8 10       |  |
| B SU111  | -80.80  | 2 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.8 | 8 9/GR6 10 |  |
| B SU112  | -44.80  | 2 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 10 |  |
| B SU211  | -80.80  | 2 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 10 |  |
| B SU212  | -44.80  | 2 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 10 |  |
| CAN01101 | -137.80 | 2 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10 10  |  |
| CAN01201 | -137.80 | 2 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10 10  |  |
| CAN01202 | -72.30  | 2 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |            |  |
| CAN01203 | -128.80 | 2 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12 10  |  |
| CAN01303 | -128.80 | 2 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.0 | 9/GR12 10  |  |
| CAN01304 | -90.80  | 2 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13     |  |

## 12238,58 MHz (2)

| 1        | 2       | 3 | 4       |        | 5    |      | 6   | 7 | 8    | 9      |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01403 | -128.80 | 2 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -90.80  | 2 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 2 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 2 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 2 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 2 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 2 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 2 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 2 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 2 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 2 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.7 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 2 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.6 | 9/GR18 |    |
| CRBEC001 | -92.30  | 2 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.2 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 2 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CTR00201 | -130.80 | 2 | -84.33  | 9.67   | 0.82 | 0.80 | 119 | 2 | 65.6 |        |    |
| EQAC0001 | -94.80  | 2 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 2 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUY00302 | -33.80  | 2 | -59.07  | 4.77   | 1.43 | 0.85 | 91  | 2 | 63.5 |        |    |
| HNDIFRB2 | -107.30 | 2 | -86.23  | 15.16  | 1.14 | 0.85 | 8   | 1 | 63.4 |        |    |
| HTI00002 | -83.30  | 2 | -73.28  | 18.96  | 0.82 | 0.80 | 11  | 2 | 60.9 |        |    |
| HWA00002 | -165.80 | 2 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 2 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 2 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 2 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

## 12238,58 MHz (2)

|          |         |   |         |       |      |      |     |   |      |            |    |
|----------|---------|---|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 2 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 2 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.8 | 10         |    |
| PTRVIR01 | -100.80 | 2 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 2 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| TCA00001 | -115.80 | 2 | -71.79  | 21.53 | 0.80 | 0.80 | 90  | 2 | 60.4 |            |    |
| USAEH001 | -61.30  | 2 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 2 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 2 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 2 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 2 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.2 | 9/GR1      |    |
| USAPSA03 | -174.80 | 2 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 64.9 | 9/GR2      |    |
| USAWH101 | -147.80 | 2 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 2 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VCT00001 | -79.30  | 2 | -61.18  | 13.23 | 0.80 | 0.80 | 90  | 2 | 58.4 |            |    |
| VEN11VEN | -103.80 | 2 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.1 | 10         |    |

**12253,16 MHz (3)**

| 1         | 2       | 3 | 4       |        | 5    |      | 6   | 7 | 8    | 9       |    |
|-----------|---------|---|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 3 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.8 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 3 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.0 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 3 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 59.9 | 9/GR3   |    |
| ARGINSU5  | -55.20  | 3 | -44.17  | -59.91 | 3.77 | 0.80 | 13  | 1 | 59.3 | 9/GR4   | 10 |
| ARGSUR04  | -94.20  | 3 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.7 | 9/GR3   | 10 |
| ARGSUR05  | -55.20  | 3 | -63.68  | -43.01 | 2.54 | 2.38 | 152 | 1 | 60.1 | 9/GR4   | 10 |
| ATGSJN01  | -79.70  | 3 | -61.79  | 17.07  | 0.80 | 0.80 | 90  | 1 | 58.4 |         |    |
| B CE311   | -64.20  | 3 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.6 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 3 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.0 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 3 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.6 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 3 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 62.7 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 3 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.1 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 3 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 62.9 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 3 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 3 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 62.8 | 8 9/GR8 |    |
| B SU111   | -81.20  | 3 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 62.9 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 3 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.3 | 8 9/GR9 |    |
| B SU211   | -81.20  | 3 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.5 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 3 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.3 | 8 9/GR9 |    |
| BERBERMU  | -96.20  | 3 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 56.8 |         |    |
| B OLAND01 | -115.20 | 3 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 67.9 | 9/GR5   |    |
| B OL00001 | -87.20  | 3 | -64.61  | -16.71 | 2.52 | 2.19 | 85  | 1 | 63.8 | 10      |    |
| B RB00001 | -92.70  | 3 | -59.85  | 12.93  | 0.80 | 0.80 | 90  | 2 | 59.1 |         |    |
| CAN01101  | -138.20 | 3 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.5 | 9/GR10  | 10 |

**12253,16 MHz (3)**

|          |         |   |         |        |      |      |     |   |      |        |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01201 | -138.20 | 3 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.6 | 9/GR10 | 10 |
| CAN01202 | -72.70  | 3 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.6 |        |    |
| CAN01203 | -129.20 | 3 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.5 | 9/GR12 | 10 |
| CAN01303 | -129.20 | 3 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.1 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 3 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 3 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 3 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 3 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 3 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 3 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 3 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 3 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 3 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 3 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 3 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 65.0 | 9/GR5  |    |
| CLM00001 | -103.20 | 3 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.6 | 10     |    |
| CUB00001 | -89.20  | 3 | -79.81  | 21.62  | 2.24 | 0.80 | 168 | 1 | 61.1 |        |    |
| EQACAND1 | -115.20 | 3 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.1 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 3 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| GRD00002 | -42.20  | 3 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| GRD00059 | -57.20  | 3 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.5 |        |    |
| GRLDNK01 | -53.20  | 3 | -44.89  | 66.56  | 2.70 | 0.82 | 173 | 1 | 60.0 | 2      | 10 |
| HWA00002 | -166.20 | 3 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 3 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2  | 10 |

## 12253,16 MHz (3)

| 1        | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |            |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|------------|----|
| MEX01NTE | -78.20  | 3 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1          |    |
| MEX01SUR | -69.20  | 3 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.3 | 1          | 10 |
| MEX02NTE | -136.20 | 3 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1          | 10 |
| MEX02SUR | -127.20 | 3 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.6 | 1          | 10 |
| PAQPAC01 | -106.20 | 3 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17     |    |
| PRG00002 | -99.20  | 3 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |            |    |
| PRUAND02 | -115.20 | 3 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.0 | 9/GR5      |    |
| PTRVIR01 | -101.20 | 3 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -110.20 | 3 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21 |    |
| SURINAM2 | -84.70  | 3 | -55.69  | 4.35   | 1.00 | 0.80 | 86  | 1 | 63.2 |            |    |
| URG00001 | -71.70  | 3 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |            |    |
| USAEH001 | -61.70  | 3 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -101.20 | 3 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -110.20 | 3 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -119.20 | 3 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -166.20 | 3 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.3 | 9/GR1      |    |
| USAPSA03 | -175.20 | 3 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2      |    |
| USAWH101 | -148.20 | 3 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10         |    |
| USAWH102 | -157.20 | 3 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10         |    |
| VENAND03 | -115.20 | 3 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.3 | 9/GR5      |    |

## 12267,74 MHz (4)

|          |         |   |         |        |      |      |     |   |      |         |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 4 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.8 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 4 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 4 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.7 | 10      |    |
| ARGNORT5 | -54.80  | 4 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| B CE311  | -63.80  | 4 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 4 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 4 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 4 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.8 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 4 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 4 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.9 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 4 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 4 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 |    |
| B SE911  | -101.80 | 4 | -45.99  | -19.09 | 2.22 | 0.80 | 82  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 4 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.9 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 4 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 4 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 4 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 4 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 4 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 4 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 4 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 4 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.1 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 4 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |
| CAN01403 | -128.80 | 4 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12  | 10 |

## 12267,74 MHz (4)

| 1        | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01404 | -90.80  | 4 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 4 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 4 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 4 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.2 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 4 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 4 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 4 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 4 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 4 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 4 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.8 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 4 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.7 | 9/GR18 |    |
| CRBEC001 | -92.30  | 4 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.3 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 4 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CYM00001 | -115.80 | 4 | -80.58  | 19.57  | 0.80 | 0.80 | 90  | 2 | 59.6 |        |    |
| DOMIFRB2 | -83.30  | 4 | -70.51  | 18.79  | 0.98 | 0.80 | 167 | 2 | 61.1 |        |    |
| EQAC0001 | -94.80  | 4 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 4 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUFMGG02 | -52.80  | 4 | -56.42  | 8.47   | 4.16 | 0.81 | 123 | 2 | 62.7 | 2 7    | 10 |
| HWA00002 | -165.80 | 4 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 4 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| JMC00005 | -33.80  | 4 | -77.27  | 18.12  | 0.80 | 0.80 | 90  | 2 | 60.6 |        |    |
| LCAIFRB1 | -79.30  | 4 | -61.15  | 13.90  | 0.80 | 0.80 | 90  | 2 | 58.4 |        |    |
| MEX01NTE | -77.80  | 4 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 4 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

## 12267,74 MHz (4)

|          |         |   |         |       |      |      |     |   |      |            |    |
|----------|---------|---|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 4 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 4 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.9 | 10         |    |
| PTRVIR01 | -100.80 | 4 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 4 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| SLVIFRB2 | -107.30 | 4 | -88.91  | 13.59 | 0.80 | 0.80 | 90  | 1 | 61.7 |            |    |
| USAEH001 | -61.30  | 4 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.9 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 4 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 4 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 4 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 4 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.3 | 9/GR1      |    |
| USAPSA03 | -174.80 | 4 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.0 | 9/GR2      |    |
| USAWH101 | -147.80 | 4 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 4 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VEN11VEN | -103.80 | 4 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.2 | 10         |    |

AP30 (Orb-85)

**12282,32 MHz (5)**

| 1         | 2       | 3 | 4       |        | 5    |      | 6   | 7 | 8    | 9       |    |
|-----------|---------|---|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 5 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.7 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 5 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.0 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 5 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 59.9 | 9/GR3   |    |
| ARGSUR04  | -94.20  | 5 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.7 | 9/GR3   | 10 |
| B CE311   | -64.20  | 5 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.6 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 5 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.0 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 5 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.6 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 5 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 62.7 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 5 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.0 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 5 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 5 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 5 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 62.8 | 8 9/GR8 |    |
| B SU111   | -81.20  | 5 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 62.8 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 5 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.2 | 8 9/GR9 |    |
| B SU211   | -81.20  | 5 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.5 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 5 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.3 | 8 9/GR9 |    |
| B AHIFRB1 | -87.20  | 5 | -76.06  | 24.16  | 1.81 | 0.80 | 142 | 1 | 61.6 |         |    |
| BERBERMU  | -96.20  | 5 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 56.8 |         |    |
| B ERBER02 | -31.00  | 5 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 1 | 56.9 | 2       | 10 |
| B OLAND01 | -115.20 | 5 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 67.9 | 9/GR5   |    |
| CAN01101  | -138.20 | 5 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.5 | 9/GR10  | 10 |
| CAN01201  | -138.20 | 5 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.6 | 9/GR10  | 10 |
| CAN01202  | -72.70  | 5 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.6 |         |    |
| CAN01203  | -129.20 | 5 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.5 | 9/GR12  | 10 |

**12282,32 MHz (5)**

| 1        | 2       | 3 | 4       |        | 5    |      | 6   | 7 | 8    | 9      |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01303 | -129.20 | 5 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.0 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 5 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 5 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 5 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 5 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 5 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 5 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 5 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 5 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 5 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 5 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 5 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 64.9 | 9/GR5  |    |
| CLM00001 | -103.20 | 5 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.5 | 10     |    |
| EQACAND1 | -115.20 | 5 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.0 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 5 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| FLKANT01 | -57.20  | 5 | -44.54  | -60.13 | 3.54 | 0.80 | 12  | 1 | 59.3 | 2      | 10 |
| FLKFALKS | -31.00  | 5 | -59.90  | -51.64 | 0.80 | 0.80 | 90  | 1 | 58.1 | 2      |    |
| GRD00002 | -42.20  | 5 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| HWA00002 | -166.20 | 5 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 5 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -78.20  | 5 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1      |    |
| MEX01SUR | -69.20  | 5 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.2 | 1      | 10 |
| MEX02NTE | -136.20 | 5 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1      | 10 |
| MEX02SUR | -127.20 | 5 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.5 | 1      | 10 |

AP30 (Orb-85)

12282,32 MHz (5)

| 1        | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |               |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------------|
| PAQPAC01 | -106.20 | 5 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 58.2 | 9/GR17        |
| PRG00002 | -99.20  | 5 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |               |
| PRUAND02 | -115.20 | 5 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 63.9 | 9/GR5         |
| PTRVIR01 | -101.20 | 5 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.5 | 1 6 9/GR20    |
| PTRVIR02 | -110.20 | 5 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21    |
| SPMFRAN3 | -53.20  | 5 | -67.24  | 47.51  | 3.16 | 0.80 | 7   | 1 | 60.4 | 2 7 10        |
| TRD00001 | -84.70  | 5 | -61.23  | 10.70  | 0.80 | 0.80 | 90  | 1 | 59.4 |               |
| URG00001 | -71.70  | 5 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |               |
| USAEH001 | -61.70  | 5 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6 10      |
| USAEH002 | -101.20 | 5 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 10 |
| USAEH003 | -110.20 | 5 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.0 | 1 6 9/GR21 10 |
| USAEH004 | -119.20 | 5 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6 10      |
| USAPSA02 | -166.20 | 5 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.2 | 9/GR1         |
| USAPSA03 | -175.20 | 5 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2         |
| USAWH101 | -148.20 | 5 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10            |
| USAWH102 | -157.20 | 5 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10            |
| VENAND03 | -115.20 | 5 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.2 | 9/GR5         |
| VRG00001 | -79.70  | 5 | -64.37  | 18.48  | 0.80 | 0.80 | 90  | 1 | 58.3 | 4             |

12296,90 MHz (6)

|          |         |   |         |        |      |      |     |   |      |         |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 6 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.7 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 6 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 6 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.6 | 10      |    |
| ARGNORT5 | -54.80  | 6 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| ATNBEAM1 | -52.80  | 6 | -66.44  | 14.87  | 1.83 | 0.80 | 39  | 2 | 61.0 |         |    |
| B CE311  | -63.80  | 6 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 6 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 6 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 6 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.7 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 6 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 6 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 6 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 6 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 | 10 |
| B SE911  | -101.80 | 6 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 6 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.8 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 6 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 6 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 6 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 6 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 6 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 6 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 6 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 6 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.0 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 6 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |



## 12296,90 MHz (6)

| 1        | 2       | 3 | 4       |        | 5    |      | 6   | 7 | 8    | 9      |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01403 | -128.80 | 6 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -90.80  | 6 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 6 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 6 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 6 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 6 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 6 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 6 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 6 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 6 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 6 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.7 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 6 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.6 | 9/GR18 |    |
| CRBEC001 | -92.30  | 6 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.2 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 6 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CTR00201 | -130.80 | 6 | -84.33  | 9.67   | 0.82 | 0.80 | 119 | 2 | 65.6 |        |    |
| EQAC0001 | -94.80  | 6 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 6 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUY00302 | -33.80  | 6 | -59.07  | 4.77   | 1.43 | 0.85 | 91  | 2 | 63.5 |        |    |
| HNDIFRB2 | -107.30 | 6 | -86.23  | 15.16  | 1.14 | 0.85 | 8   | 1 | 63.4 |        |    |
| HTI00002 | -83.30  | 6 | -73.28  | 18.96  | 0.82 | 0.80 | 11  | 2 | 60.9 |        |    |
| HWA00002 | -165.80 | 6 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 6 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 6 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 6 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

## 12296,90 MHz (6)

|          |         |   |         |       |      |      |     |   |      |            |    |
|----------|---------|---|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 6 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 6 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.8 | 10         |    |
| PTRVIR01 | -100.80 | 6 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 6 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| TCA00001 | -115.80 | 6 | -71.79  | 21.53 | 0.80 | 0.80 | 90  | 2 | 60.4 |            |    |
| USAEH001 | -61.30  | 6 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 6 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 6 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 6 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 6 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.2 | 9/GR1      |    |
| USAPSA03 | -174.80 | 6 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 64.9 | 9/GR2      |    |
| USAWH101 | -147.80 | 6 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 6 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VCT00001 | -79.30  | 6 | -61.18  | 13.23 | 0.80 | 0.80 | 90  | 2 | 58.4 |            |    |
| VEN11VEN | -103.80 | 6 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.1 | 10         |    |

12311,48 MHz (7)

| 1         | 2       | 3 | 4             | 5         | 6   | 7 | 8    | 9          |
|-----------|---------|---|---------------|-----------|-----|---|------|------------|
| ALS00002  | -166.20 | 7 | -149.66 58.37 | 3.76 1.24 | 170 | 1 | 59.8 | 9/GR1 10   |
| ALS00003  | -175.20 | 7 | -150.98 58.53 | 3.77 1.11 | 167 | 1 | 60.0 | 9/GR2 10   |
| ARGINSU4  | -94.20  | 7 | -52.98 -59.81 | 3.40 0.80 | 19  | 1 | 59.9 | 9/GR3      |
| ARGINSU5  | -55.20  | 7 | -44.17 -59.91 | 3.77 0.80 | 13  | 1 | 59.3 | 9/GR4 10   |
| ARGSUR04  | -94.20  | 7 | -65.04 -43.33 | 3.32 1.50 | 40  | 1 | 60.7 | 9/GR3 10   |
| ARGSUR05  | -55.20  | 7 | -63.68 -43.01 | 2.54 2.38 | 152 | 1 | 60.1 | 9/GR4 10   |
| ATGSJN01  | -79.70  | 7 | -61.79 17.07  | 0.80 0.80 | 90  | 1 | 58.4 |            |
| B CE311   | -64.20  | 7 | -40.60 -6.07  | 3.04 2.06 | 174 | 1 | 61.6 | 8 9/GR7 10 |
| B CE312   | -45.20  | 7 | -40.27 -6.06  | 3.44 2.09 | 174 | 1 | 61.0 | 8 9/GR9 10 |
| B CE411   | -64.20  | 7 | -50.97 -15.27 | 3.86 1.38 | 49  | 1 | 62.6 | 8 9/GR7 10 |
| B CE412   | -45.20  | 7 | -50.71 -15.30 | 3.57 1.56 | 52  | 1 | 62.7 | 8 9/GR9 10 |
| B CE511   | -64.20  | 7 | -53.10 -2.90  | 2.44 2.13 | 104 | 1 | 63.1 | 8 9/GR7 10 |
| B NO611   | -74.20  | 7 | -59.60 -11.62 | 2.85 1.69 | 165 | 2 | 62.9 | 8 9/GR8 10 |
| B NO711   | -74.20  | 7 | -60.70 -1.78  | 3.54 1.78 | 126 | 2 | 62.8 | 8 9/GR8 10 |
| B NO811   | -74.20  | 7 | -68.76 -4.71  | 2.37 1.65 | 73  | 2 | 62.8 | 8 9/GR8 10 |
| B SU111   | -81.20  | 7 | -51.12 -25.63 | 2.76 1.05 | 50  | 1 | 62.9 | 8 9/GR6 10 |
| B SU112   | -45.20  | 7 | -50.75 -25.62 | 2.47 1.48 | 56  | 1 | 62.3 | 8 9/GR9    |
| B SU211   | -81.20  | 7 | -44.51 -16.95 | 3.22 1.36 | 60  | 1 | 62.5 | 8 9/GR6 10 |
| B SU212   | -45.20  | 7 | -44.00 -16.87 | 3.20 1.96 | 58  | 1 | 61.3 | 8 9/GR9    |
| BERBERMU  | -96.20  | 7 | -64.77 32.32  | 0.80 0.80 | 90  | 2 | 56.8 |            |
| B OLAND01 | -115.20 | 7 | -65.04 -16.76 | 2.49 1.27 | 76  | 1 | 67.9 | 9/GR5      |
| B OL00001 | -87.20  | 7 | -64.61 -16.71 | 2.52 2.19 | 85  | 1 | 63.8 | 10         |
| B RB00001 | -92.70  | 7 | -59.85 12.93  | 0.80 0.80 | 90  | 2 | 59.1 |            |
| CAN01101  | -138.20 | 7 | -125.63 57.24 | 3.45 1.27 | 157 | 1 | 59.5 | 9/GR10 10  |

12311,48 MHz (7)

|          |         |   |               |           |     |   |      |           |
|----------|---------|---|---------------|-----------|-----|---|------|-----------|
| CAN01201 | -138.20 | 7 | -112.04 55.95 | 3.35 0.97 | 151 | 1 | 59.6 | 9/GR10 10 |
| CAN01202 | -72.70  | 7 | -107.70 55.63 | 2.74 1.12 | 32  | 1 | 59.6 |           |
| CAN01203 | -129.20 | 7 | -111.48 55.61 | 3.08 1.15 | 151 | 1 | 59.5 | 9/GR12 10 |
| CAN01303 | -129.20 | 7 | -102.42 57.12 | 3.54 0.91 | 154 | 1 | 60.1 | 9/GR12 10 |
| CAN01304 | -91.20  | 7 | -99.12 57.36  | 1.98 1.72 | 2   | 1 | 59.8 | 9/GR13    |
| CAN01403 | -129.20 | 7 | -89.75 52.02  | 4.68 0.80 | 148 | 1 | 61.8 | 9/GR12 10 |
| CAN01404 | -91.20  | 7 | -84.82 52.42  | 3.10 2.05 | 152 | 1 | 60.4 | 9/GR13 10 |
| CAN01405 | -82.20  | 7 | -84.00 52.39  | 2.84 2.29 | 172 | 1 | 60.3 | 9/GR14 10 |
| CAN01504 | -91.20  | 7 | -72.66 53.77  | 3.57 1.67 | 156 | 1 | 60.2 | 9/GR13 10 |
| CAN01505 | -82.20  | 7 | -71.77 53.79  | 3.30 1.89 | 162 | 1 | 60.1 | 9/GR14 10 |
| CAN01605 | -82.20  | 7 | -61.50 49.55  | 2.65 1.40 | 143 | 1 | 60.3 | 9/GR14 10 |
| CAN01606 | -70.70  | 7 | -61.30 49.55  | 2.40 1.65 | 148 | 1 | 60.2 | 10        |
| CHLCONT5 | -106.20 | 7 | -72.23 -35.57 | 2.60 0.80 | 55  | 1 | 59.4 | 9/GR17    |
| CHLPAC02 | -106.20 | 7 | -80.06 -30.06 | 1.36 0.80 | 69  | 1 | 59.2 | 9/GR17    |
| CLMAND01 | -115.20 | 7 | -74.72 5.93   | 3.85 1.63 | 114 | 1 | 65.0 | 9/GR5     |
| CLM00001 | -103.20 | 7 | -74.50 5.87   | 3.98 1.96 | 118 | 1 | 63.6 | 10        |
| CUB00001 | -89.20  | 7 | -79.81 21.62  | 2.24 0.80 | 168 | 1 | 61.1 |           |
| EQACAND1 | -115.20 | 7 | -78.40 -1.61  | 1.37 0.95 | 75  | 1 | 64.1 | 9/GR5     |
| EQAGAND1 | -115.20 | 7 | -90.34 -0.62  | 0.90 0.81 | 89  | 1 | 61.3 | 9/GR5     |
| GRD00002 | -42.20  | 7 | -61.58 12.29  | 0.80 0.80 | 90  | 1 | 58.8 |           |
| GRD00059 | -57.20  | 7 | -61.58 12.29  | 0.80 0.80 | 90  | 1 | 58.5 |           |
| GRLDNK01 | -53.20  | 7 | -44.89 66.56  | 2.70 0.82 | 173 | 1 | 60.0 | 2 10      |
| HWA00002 | -166.20 | 7 | -165.79 23.42 | 4.20 0.80 | 160 | 1 | 58.8 | 9/GR1 10  |
| HWA00003 | -175.20 | 7 | -166.10 23.42 | 4.25 0.80 | 159 | 1 | 58.8 | 9/GR2 10  |

## 12311,48 MHz (7)

| 1        | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |               |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------------|
| MEX01NTE | -78.20  | 7 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1             |
| MEX01SUR | -69.20  | 7 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.3 | 10            |
| MEX02NTE | -136.20 | 7 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 10            |
| MEX02SUR | -127.20 | 7 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.6 | 10            |
| PAQPAC01 | -106.20 | 7 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17        |
| PRG00002 | -99.20  | 7 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |               |
| PRUAND02 | -115.20 | 7 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.0 | 9/GR5         |
| PTRVIR01 | -101.20 | 7 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.6 | 1 6 9/GR20    |
| PTRVIR02 | -110.20 | 7 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21    |
| SURINAM2 | -84.70  | 7 | -55.69  | 4.35   | 1.00 | 0.80 | 86  | 1 | 63.2 |               |
| URG00001 | -71.70  | 7 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |               |
| USAEH001 | -61.70  | 7 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6 10      |
| USAEH002 | -101.20 | 7 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 10 |
| USAEH003 | -110.20 | 7 | -90.14  | 36.11  | 5.55 | 3.55 | 181 | 1 | 62.1 | 1 6 9/GR21 10 |
| USAEH004 | -119.20 | 7 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6 10      |
| USAPSA02 | -166.20 | 7 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.3 | 9/GR1         |
| USAPSA03 | -175.20 | 7 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2         |
| USAWH101 | -148.20 | 7 | -109.85 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10            |
| USAWH102 | -157.20 | 7 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10            |
| VENAND03 | -115.20 | 7 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.3 | 9/GR5         |

## 12326,06 MHz (8)

|          |         |   |         |        |      |      |     |   |      |         |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 8 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.8 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 8 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 8 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.7 | 10      |    |
| ARGNORT5 | -54.80  | 8 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| B CE311  | -63.80  | 8 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 8 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 8 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 8 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.8 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 8 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 8 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.9 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 8 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 8 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 |    |
| B SE911  | -101.80 | 8 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 8 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.9 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 8 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 8 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 8 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 8 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 8 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 8 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 8 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 8 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.1 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 8 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |
| CAN01403 | -128.80 | 8 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12  | 10 |

## 12326,06 MHz (8)

| 1        | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01404 | -90.80  | 8 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 8 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 8 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 8 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.2 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 8 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 8 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 8 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 8 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 8 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 8 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.8 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 8 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.7 | 9/GR18 |    |
| CRBEC001 | -92.30  | 8 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.3 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 8 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CYM00001 | -115.80 | 8 | -80.58  | 19.57  | 0.80 | 0.80 | 90  | 2 | 59.6 |        |    |
| DOMIFRB2 | -83.30  | 8 | -70.51  | 18.79  | 0.98 | 0.80 | 167 | 2 | 61.1 |        |    |
| EQAC0001 | -94.80  | 8 | -78.31  | -1.52  | 1.48 | 1.15 | 85  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 8 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUFMGG02 | -52.80  | 8 | -56.42  | 8.47   | 4.16 | 0.81 | 123 | 2 | 62.7 | 2 7    | 10 |
| HWA00002 | -165.80 | 8 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 8 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| JMC00005 | -33.80  | 8 | -77.27  | 18.12  | 0.80 | 0.80 | 90  | 2 | 60.6 |        |    |
| LCAIFRB1 | -79.30  | 8 | -61.15  | 13.90  | 0.80 | 0.80 | 90  | 2 | 58.4 |        |    |
| MEX01NTE | -77.80  | 8 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 8 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

## 12326,06 MHz (8)

|          |         |   |         |       |      |      |     |   |      |            |    |
|----------|---------|---|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 8 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 8 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.9 | 10         |    |
| PTRVIR01 | -100.80 | 8 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 8 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| SLVIFRB2 | -107.30 | 8 | -88.91  | 13.59 | 0.80 | 0.80 | 90  | 1 | 61.7 |            |    |
| USAEH001 | -61.30  | 8 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.9 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 8 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 8 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 8 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 8 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.3 | 9/GR1      |    |
| USAPSA03 | -174.80 | 8 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.0 | 9/GR2      |    |
| USAWH101 | -147.80 | 8 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 8 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VEN11VEN | -103.80 | 8 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.2 | 10         |    |

## 12340,64 MHz (9)

| 1         | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |         |    |
|-----------|---------|---|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 9 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.7 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 9 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.0 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 9 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 59.9 | 9/GR3   |    |
| ARGSUR04  | -94.20  | 9 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.7 | 9/GR3   | 10 |
| B CE311   | -64.20  | 9 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.6 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 9 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.0 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 9 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.6 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 9 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 62.7 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 9 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.0 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 9 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 9 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 9 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 62.8 | 8 9/GR8 |    |
| B SU111   | -81.20  | 9 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 62.8 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 9 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.2 | 8 9/GR9 |    |
| B SU211   | -81.20  | 9 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.5 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 9 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.3 | 8 9/GR9 |    |
| B AHIFRB1 | -87.20  | 9 | -76.06  | 24.16  | 1.81 | 0.80 | 142 | 1 | 61.6 |         |    |
| BERBERMU  | -96.20  | 9 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 56.8 |         |    |
| B ERBER02 | -31.00  | 9 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 1 | 56.9 | 2       | 10 |
| B OLAND01 | -115.20 | 9 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 67.9 | 9/GR5   |    |
| CAN01101  | -138.20 | 9 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.5 | 9/GR10  | 10 |
| CAN01201  | -138.20 | 9 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.6 | 9/GR10  | 10 |
| CAN01202  | -72.70  | 9 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.6 |         |    |
| CAN01203  | -129.20 | 9 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.5 | 9/GR12  | 10 |

## 12340,64 MHz (9)

|          |         |   |         |        |      |      |     |   |      |        |    |
|----------|---------|---|---------|--------|------|------|-----|---|------|--------|----|
| CAN01303 | -129.20 | 9 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.0 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 9 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 9 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 9 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 9 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 9 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 9 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 9 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 9 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 9 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 9 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 9 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 64.9 | 9/GR5  |    |
| CLM00001 | -103.20 | 9 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.5 | 10     |    |
| EQACAND1 | -115.20 | 9 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.0 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 9 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| FLKANT01 | -57.20  | 9 | -44.54  | -60.13 | 3.54 | 0.80 | 12  | 1 | 59.3 | 2      | 10 |
| FLKFALKS | -31.00  | 9 | -59.90  | -51.64 | 0.80 | 0.80 | 90  | 1 | 58.1 | 2      |    |
| GRD00002 | -42.20  | 9 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| HWA00002 | -166.20 | 9 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 9 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -78.20  | 9 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1      |    |
| MEX01SUR | -69.20  | 9 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.2 | 1      | 10 |
| MEX02NTE | -136.20 | 9 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1      | 10 |
| MEX02SUR | -127.20 | 9 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.5 | 1      | 10 |

12340,64 MHz (9)

| 1        | 2       | 3 | 4       | 5      | 6    | 7    | 8   | 9 |      |               |
|----------|---------|---|---------|--------|------|------|-----|---|------|---------------|
| PAQPAC01 | -106.20 | 9 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17        |
| PRG00002 | -99.20  | 9 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |               |
| PRUAND02 | -115.20 | 9 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 63.9 | 9/GR5         |
| PTRVIR01 | -101.20 | 9 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.5 | 1 6 9/GR20    |
| PTRVIR02 | -110.20 | 9 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21    |
| SPMFRAN3 | -53.20  | 9 | -87.24  | 47.51  | 3.16 | 0.80 | 7   | 1 | 60.4 | 2 7 10        |
| TRD00001 | -84.70  | 9 | -61.23  | 10.70  | 0.80 | 0.80 | 90  | 1 | 59.4 |               |
| URG00001 | -71.70  | 9 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |               |
| USAEH001 | -61.70  | 9 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6 10      |
| USAEH002 | -101.20 | 9 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 10 |
| USAEH003 | -110.20 | 9 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.0 | 1 6 9/GR21 10 |
| USAEH004 | -119.20 | 9 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6 10      |
| USAPSA02 | -166.20 | 9 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.2 | 9/GR1         |
| USAPSA03 | -175.20 | 9 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2         |
| USAWH101 | -148.20 | 9 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10            |
| USAWH102 | -157.20 | 9 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10            |
| VENAND03 | -115.20 | 9 | -87.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.2 | 9/GR5         |
| VRG00001 | -79.70  | 9 | -64.37  | 18.48  | 0.80 | 0.80 | 90  | 1 | 58.3 | 4             |

12355,22 MHz (10)

|          |         |    |         |        |      |      |     |   |      |         |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 10 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.7 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 10 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 10 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.6 | 10      |    |
| ARGNORT5 | -54.80  | 10 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| ATNBEAM1 | -52.80  | 10 | -66.44  | 14.87  | 1.83 | 0.80 | 39  | 2 | 61.0 |         |    |
| B CE311  | -63.80  | 10 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 10 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 10 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 10 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.7 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 10 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 10 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 10 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 10 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 |    |
| B SE911  | -101.80 | 10 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 10 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.8 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 10 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 10 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 10 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 10 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 10 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.8 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 10 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 10 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 10 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.0 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 10 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |

## 12355,22 MHz (10)

| 1        | 2       | 3  | 4       |        | 5    |      | 6   | 7 | 8    | 9      |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01403 | -128.80 | 10 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -90.80  | 10 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 10 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 10 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 10 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 10 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 10 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 10 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT8 | -105.80 | 10 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 10 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 10 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 58.7 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 10 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.8 | 9/GR18 |    |
| CRBEC001 | -92.30  | 10 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.2 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 10 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CTR00201 | -130.80 | 10 | -84.33  | 9.67   | 0.82 | 0.80 | 119 | 2 | 65.6 |        |    |
| EQAC0001 | -94.80  | 10 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 10 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUY00302 | -33.80  | 10 | -59.07  | 4.77   | 1.43 | 0.85 | 91  | 2 | 63.5 |        |    |
| HNDIFRB2 | -107.30 | 10 | -86.23  | 15.16  | 1.14 | 0.85 | 8   | 1 | 63.4 |        |    |
| HTI00002 | -83.30  | 10 | -73.28  | 18.96  | 0.82 | 0.80 | 11  | 2 | 60.9 |        |    |
| HWA00002 | -165.80 | 10 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 10 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 10 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 10 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

## 12355,22 MHz (10)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 10 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 10 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.8 | 10         |    |
| PTRVIR01 | -100.80 | 10 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 10 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| TCA00001 | -115.80 | 10 | -71.79  | 21.53 | 0.80 | 0.80 | 90  | 2 | 60.4 |            |    |
| USAEH001 | -61.30  | 10 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 10 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 10 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 10 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 10 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.2 | 9/GR1      |    |
| USAPSA03 | -174.80 | 10 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 64.9 | 9/GR2      |    |
| USAWH101 | -147.80 | 10 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -158.80 | 10 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VCT00001 | -79.30  | 10 | -61.18  | 13.23 | 0.80 | 0.80 | 90  | 2 | 58.4 |            |    |
| VEN11VEN | -103.80 | 10 | -68.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.1 | 10         |    |

## 12369,80 MHz (11)

| 1         | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |         |    |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 11 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.8 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 11 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.0 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 11 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 59.9 | 9/GR3   |    |
| ARGINSU5  | -55.20  | 11 | -44.17  | -59.91 | 3.77 | 0.80 | 13  | 1 | 59.3 | 9/GR4   | 10 |
| ARGSUR04  | -94.20  | 11 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.7 | 9/GR3   | 10 |
| ARGSUR05  | -55.20  | 11 | -63.68  | -43.01 | 2.54 | 2.38 | 152 | 1 | 60.1 | 9/GR4   | 10 |
| ATGSJN01  | -79.70  | 11 | -61.79  | 17.07  | 0.80 | 0.80 | 90  | 1 | 58.4 |         |    |
| B CE311   | -64.20  | 11 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.6 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 11 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.0 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 11 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.6 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 11 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 62.7 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 11 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.1 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 11 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 62.9 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 11 | -60.70  | -1.78  | 3.54 | 1.78 | 128 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 11 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 62.8 | 8 9/GR8 |    |
| B SU111   | -81.20  | 11 | -51.12  | -25.83 | 2.76 | 1.05 | 50  | 1 | 62.9 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 11 | -50.75  | -25.82 | 2.47 | 1.48 | 56  | 1 | 62.3 | 8 9/GR9 |    |
| B SU211   | -81.20  | 11 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.5 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 11 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.3 | 8 9/GR9 |    |
| BERBERMU  | -96.20  | 11 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 56.8 |         |    |
| B OLAND01 | -115.20 | 11 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 67.9 | 9/GR5   |    |
| B OL00001 | -87.20  | 11 | -64.61  | -16.71 | 2.52 | 2.19 | 85  | 1 | 63.8 | 10      |    |
| B RB00001 | -92.70  | 11 | -59.85  | 12.93  | 0.80 | 0.80 | 90  | 2 | 59.1 |         |    |
| CAN01101  | -138.20 | 11 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.5 | 9/GR10  | 10 |

## 12369,80 MHz (11)

|          |         |    |         |        |      |      |     |   |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01201 | -138.20 | 11 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.6 | 9/GR10 | 10 |
| CAN01202 | -72.70  | 11 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.6 |        |    |
| CAN01203 | -129.20 | 11 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.5 | 9/GR12 | 10 |
| CAN01303 | -129.20 | 11 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.1 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 11 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 11 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 11 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 11 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 11 | -72.68  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 11 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 11 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 11 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 11 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 11 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 11 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 65.0 | 9/GR5  |    |
| CLM00001 | -103.20 | 11 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.6 | 10     |    |
| CUB00001 | -89.20  | 11 | -79.81  | 21.62  | 2.24 | 0.80 | 168 | 1 | 61.1 |        |    |
| EQACAND1 | -115.20 | 11 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.1 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 11 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| GRD00002 | -42.20  | 11 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| GRD00059 | -57.20  | 11 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.5 |        |    |
| GRLDNK01 | -53.20  | 11 | -44.89  | 66.56  | 2.70 | 0.82 | 173 | 1 | 60.0 | 2      | 10 |
| GUY00201 | -84.70  | 11 | -59.19  | 4.78   | 1.44 | 0.85 | 95  | 1 | 63.5 |        |    |
| HWA00002 | -166.20 | 11 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |

AP30 (Orb-85)

AP30 (Orb-85)



## 12369,80 MHz (11)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |            |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|------------|----|
| HWA00003 | -175.20 | 11 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2      | 10 |
| MEX01NTE | -78.20  | 11 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1          |    |
| MEX01SUR | -69.20  | 11 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.3 | 1          | 10 |
| MEX02NTE | -136.20 | 11 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1          | 10 |
| MEX02SUR | -127.20 | 11 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.6 | 1          | 10 |
| PAQPAC01 | -106.20 | 11 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17     |    |
| PRG00002 | -99.20  | 11 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |            |    |
| PRUAND02 | -115.20 | 11 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.0 | 9/GR5      |    |
| PTRVIRO1 | -101.20 | 11 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.6 | 1 6 9/GR20 |    |
| PTRVIRO2 | -110.20 | 11 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21 |    |
| URGD0001 | -71.70  | 11 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |            |    |
| USAEH001 | -61.70  | 11 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -101.20 | 11 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -110.20 | 11 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -119.20 | 11 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -166.20 | 11 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.3 | 9/GR1      |    |
| USAPSA03 | -175.20 | 11 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2      |    |
| USAWH101 | -148.20 | 11 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10         |    |
| USAWH102 | -157.20 | 11 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10         |    |
| VENAND03 | -115.20 | 11 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.3 | 9/GR5      |    |

## 12384,38 MHz (12)

|          |         |    |         |        |      |      |     |   |      |         |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 12 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.8 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 12 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 12 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.7 | 10      |    |
| ARGNORT5 | -54.80  | 12 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| B CE311  | -63.80  | 12 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 12 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 12 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 12 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.8 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 12 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 12 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.9 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 12 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 12 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 |    |
| B SE911  | -101.80 | 12 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 12 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.9 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 12 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 12 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 12 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 12 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 12 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 12 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 12 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 12 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.1 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 12 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |
| CAN01403 | -128.80 | 12 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12  | 10 |

12384,38 MHz (12)

| 1        | 2       | 3  | 4       |        | 5    |      | 6   | 7 | 8    | 9      |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01404 | -90.80  | 12 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 12 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 12 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 12 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.2 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 12 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 12 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 12 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 12 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 12 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 12 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.8 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 12 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.7 | 9/GR18 |    |
| CRBEC001 | -92.30  | 12 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.3 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 12 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CYM00001 | -115.80 | 12 | -80.58  | 19.57  | 0.80 | 0.80 | 90  | 2 | 59.6 |        |    |
| DOMIFRB2 | -83.30  | 12 | -70.51  | 18.79  | 0.98 | 0.80 | 167 | 2 | 61.1 |        |    |
| EQAC0001 | -94.80  | 12 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 12 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUFMGG02 | -52.80  | 12 | -56.42  | 8.47   | 4.16 | 0.81 | 123 | 2 | 62.7 | 2 7    | 10 |
| HWA00002 | -165.80 | 12 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 12 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| JMC00005 | -33.80  | 12 | -77.27  | 18.12  | 0.80 | 0.80 | 90  | 2 | 60.6 |        |    |
| LCAIFRB1 | -79.30  | 12 | -61.15  | 13.90  | 0.80 | 0.80 | 90  | 2 | 58.4 |        |    |
| MEX01NTE | -77.80  | 12 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 12 | -107.38 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

12384,38 MHz (12)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 12 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 12 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.9 | 10         |    |
| PTRVIR01 | -100.80 | 12 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 12 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| SLVIFRB2 | -107.30 | 12 | -88.91  | 13.59 | 0.80 | 0.80 | 90  | 1 | 61.7 |            |    |
| USAEH001 | -61.30  | 12 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.9 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 12 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 12 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 12 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 12 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.3 | 9/GR1      |    |
| USAPSA03 | -174.80 | 12 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.0 | 9/GR2      |    |
| USAWH101 | -147.80 | 12 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 12 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VEN11VEN | -103.80 | 12 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.2 | 10         |    |

AP30 (Orb-85)

12398,96 MHz (13)

| 1         | 2       | 3  | 4       |        | 5    |      | 6   | 7 | 8    | 9       |    |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 13 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.7 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 13 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.0 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 13 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 59.9 | 9/GR3   |    |
| ARGSUR04  | -94.20  | 13 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.7 | 9/GR3   | 10 |
| B CE311   | -64.20  | 13 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.6 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 13 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.0 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 13 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.6 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 13 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 62.7 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 13 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.0 | 8 9/GR7 | 10 |
| B NO811   | -74.20  | 13 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 13 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 13 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 62.8 | 8 9/GR8 |    |
| B SU111   | -81.20  | 13 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 62.8 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 13 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.2 | 8 9/GR9 |    |
| B SU211   | -81.20  | 13 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.5 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 13 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.3 | 8 9/GR9 |    |
| B AHIFRB1 | -87.20  | 13 | -76.06  | 24.16  | 1.81 | 0.80 | 142 | 1 | 61.6 |         |    |
| BERBERMU  | -96.20  | 13 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 56.8 |         |    |
| B ERBER02 | -31.00  | 13 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 1 | 56.9 | 2       | 10 |
| B OLAND01 | -115.20 | 13 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 67.9 | 9/GR5   |    |
| CAN01101  | -138.20 | 13 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.5 | 9/GR10  | 10 |
| CAN01201  | -138.20 | 13 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.6 | 9/GR10  | 10 |
| CAN01202  | -72.70  | 13 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.6 |         |    |
| CAN01203  | -129.20 | 13 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.5 | 9/GR12  | 10 |

12398,96 MHz (13)

|          |         |    |         |        |      |      |     |   |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01303 | -129.20 | 13 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.0 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 13 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 13 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 13 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 13 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 13 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 13 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 13 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 13 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 13 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 13 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 13 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 64.9 | 9/GR5  |    |
| CLM00001 | -103.20 | 13 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.5 | 10     |    |
| EQACAND1 | -115.20 | 13 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.0 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 13 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| FLKANT01 | -57.20  | 13 | -44.54  | -60.13 | 3.54 | 0.80 | 12  | 1 | 59.3 | 2      | 10 |
| FLKFALKS | -31.00  | 13 | -59.90  | -51.64 | 0.80 | 0.80 | 90  | 1 | 58.1 | 2      |    |
| GRD00002 | -42.20  | 13 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| HWA00002 | -166.20 | 13 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 13 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -78.20  | 13 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1      |    |
| MEX01SUR | -69.20  | 13 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.2 | 1      | 10 |
| MEX02NTE | -138.20 | 13 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1      | 10 |
| MEX02SUR | -127.20 | 13 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.5 | 1      | 10 |

AP30 (Orb-85)

12398,96 MHz (13)

| 1        | 2       | 3  | 4       |        | 5    |      | 6   | 7 | 8    | 9          |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|------------|----|
| PAQPAC01 | -106.20 | 13 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17     |    |
| PRG00002 | -99.20  | 13 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |            |    |
| PRUAND02 | -115.20 | 13 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 63.9 | 9/GR5      |    |
| PTRVIR01 | -101.20 | 13 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.5 | 1 6 9/GR20 |    |
| PTRVIR02 | -110.20 | 13 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21 |    |
| SPMFRAN3 | -53.20  | 13 | -67.24  | 47.51  | 3.16 | 0.80 | 7   | 1 | 60.4 | 2 7        | 10 |
| TRD00001 | -84.70  | 13 | -61.23  | 10.70  | 0.80 | 0.80 | 90  | 1 | 59.4 |            |    |
| URG00001 | -71.70  | 13 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |            |    |
| USAEH001 | -61.70  | 13 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -101.20 | 13 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -110.20 | 13 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.0 | 1 6 9/GR21 | 10 |
| USAEH004 | -119.20 | 13 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -166.20 | 13 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.2 | 9/GR1      |    |
| USAPSA03 | -175.20 | 13 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2      |    |
| USAWH101 | -148.20 | 13 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10         |    |
| USAWH102 | -157.20 | 13 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10         |    |
| VENAND03 | -115.20 | 13 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.2 | 9/GR5      |    |
| VRG00001 | -79.70  | 13 | -64.37  | 18.48  | 0.80 | 0.80 | 90  | 1 | 58.3 | 4          |    |

12413,54 MHz (14)

|          |         |    |         |        |      |      |     |   |      |         |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 14 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.7 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 14 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 14 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.6 | 10      |    |
| ARGNORT5 | -54.80  | 14 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| ATNBEM1  | -52.80  | 14 | -66.44  | 14.87  | 1.83 | 0.80 | 39  | 2 | 61.0 |         |    |
| B CE311  | -63.80  | 14 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 14 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 14 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 14 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.7 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 14 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 14 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 14 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 14 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 |    |
| B SE911  | -101.80 | 14 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 14 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.8 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 14 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 14 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 14 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 14 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 14 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 14 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 14 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 14 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.0 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 14 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |

## 12413,54 MHz (14)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01403 | -128.80 | 14 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -90.80  | 14 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 14 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 14 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 14 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.1 | 9/GR14 | 10 |
| CAN01805 | -81.80  | 14 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 14 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 14 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 14 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 14 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 14 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.7 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 14 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.6 | 9/GR18 |    |
| CRBEC001 | -92.30  | 14 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.2 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 14 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CTR00201 | -130.80 | 14 | -84.33  | 9.67   | 0.82 | 0.80 | 119 | 2 | 65.6 |        |    |
| EQAC0001 | -94.80  | 14 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 14 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUY00302 | -33.80  | 14 | -59.07  | 4.77   | 1.43 | 0.85 | 91  | 2 | 63.5 |        |    |
| HNDIFRB2 | -107.30 | 14 | -86.23  | 15.16  | 1.14 | 0.85 | 8   | 1 | 63.4 |        |    |
| HTI00002 | -83.30  | 14 | -73.28  | 18.96  | 0.82 | 0.80 | 11  | 2 | 60.9 |        |    |
| HWA00002 | -165.80 | 14 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 14 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 14 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 14 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

## 12413,54 MHz (14)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 14 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 14 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.8 | 10         |    |
| PTRVIR01 | -100.80 | 14 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 14 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| TCA00001 | -115.80 | 14 | -71.79  | 21.53 | 0.80 | 0.80 | 90  | 2 | 60.4 |            |    |
| USAEH001 | -61.30  | 14 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 14 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 14 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 14 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 14 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.2 | 9/GR1      |    |
| USAPSA03 | -174.80 | 14 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 64.9 | 9/GR2      |    |
| USAWH101 | -147.80 | 14 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 14 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VCT00001 | -79.30  | 14 | -61.18  | 13.23 | 0.80 | 0.80 | 90  | 2 | 58.4 |            |    |
| VEN11VEN | -103.80 | 14 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.1 | 10         |    |

12428,12 MHz (15)

| 1         | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |         |    |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 15 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.8 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 15 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.0 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 15 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 59.9 | 9/GR3   |    |
| ARGINSU5  | -55.20  | 15 | -44.17  | -59.91 | 3.77 | 0.80 | 13  | 1 | 59.3 | 9/GR4   | 10 |
| ARGSUR04  | -94.20  | 15 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.7 | 9/GR3   | 10 |
| ARGSUR05  | -55.20  | 15 | -63.68  | -43.01 | 2.54 | 2.38 | 152 | 1 | 60.1 | 9/GR4   | 10 |
| ATGSJN01  | -79.70  | 15 | -61.79  | 17.07  | 0.80 | 0.80 | 90  | 1 | 58.4 |         |    |
| B CE311   | -64.20  | 15 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.6 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 15 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.0 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 15 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.6 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 15 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 62.7 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 15 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.1 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 15 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 62.9 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 15 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 62.8 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 15 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 62.8 | 8 9/GR8 |    |
| B SU111   | -81.20  | 15 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 62.9 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 15 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.3 | 8 9/GR9 |    |
| B SU211   | -81.20  | 15 | -44.51  | -16.96 | 3.22 | 1.36 | 60  | 1 | 62.5 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 15 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.3 | 8 9/GR9 |    |
| BERBERMU  | -96.20  | 15 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 56.8 |         |    |
| B OLAND01 | -115.20 | 15 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 67.9 | 9/GR5   |    |
| B OL00001 | -87.20  | 15 | -64.81  | -16.71 | 2.52 | 2.19 | 85  | 1 | 63.8 | 10      |    |
| B RB00001 | -92.70  | 15 | -59.85  | 12.93  | 0.80 | 0.80 | 90  | 2 | 59.1 |         |    |
| CAN01101  | -138.20 | 15 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.5 | 9/GR10  | 10 |

12428,12 MHz (15)

|          |         |    |         |        |      |      |     |   |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01201 | -138.20 | 15 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.6 | 9/GR10 | 10 |
| CAN01202 | -72.70  | 15 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.6 |        |    |
| CAN01203 | -129.20 | 15 | -111.48 | 55.81  | 3.08 | 1.15 | 151 | 1 | 59.5 | 9/GR12 | 10 |
| CAN01303 | -129.20 | 15 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.1 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 15 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 59.8 | 9/GR13 |    |
| CAN01403 | -129.20 | 15 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 61.8 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 15 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 15 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 15 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 15 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.1 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 15 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 15 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.2 | 10     |    |
| CHLCONT5 | -106.20 | 15 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.4 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 15 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.2 | 9/GR17 |    |
| CLMAND01 | -115.20 | 15 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 65.0 | 9/GR5  |    |
| CLM00001 | -103.20 | 15 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.6 | 10     |    |
| CUB00001 | -89.20  | 15 | -79.81  | 21.62  | 2.24 | 0.80 | 168 | 1 | 61.1 |        |    |
| EQACAND1 | -115.20 | 15 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.1 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 15 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.3 | 9/GR5  |    |
| GRD00002 | -42.20  | 15 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.8 |        |    |
| GRD00059 | -57.20  | 15 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.5 |        |    |
| GRLDNK01 | -53.20  | 15 | -44.89  | 66.58  | 2.70 | 0.82 | 173 | 1 | 60.0 | 2      | 10 |
| GUY00201 | -84.70  | 15 | -59.19  | 4.78   | 1.44 | 0.85 | 95  | 1 | 63.5 |        |    |
| HWA00002 | -166.20 | 15 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 58.8 | 9/GR1  | 10 |

## 12428,12 MHz (15)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |            |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|------------|----|
| HWA00003 | -175.20 | 15 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.8 | 9/GR2      | 10 |
| MEX01NTE | -78.20  | 15 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.5 | 1          |    |
| MEX01SUR | -69.20  | 15 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.3 | 1          | 10 |
| MEX02NTE | -136.20 | 15 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.2 | 1          | 10 |
| MEX02SUR | -127.20 | 15 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.6 | 1          | 10 |
| PAQPAC01 | -106.20 | 15 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.2 | 9/GR17     |    |
| PRG00002 | -99.20  | 15 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.2 |            |    |
| PRUAND02 | -115.20 | 15 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.0 | 9/GR5      |    |
| PTRVIR01 | -101.20 | 15 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -110.20 | 15 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.0 | 1 6 9/GR21 |    |
| URG00001 | -71.70  | 15 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.0 |            |    |
| USAEH001 | -61.70  | 15 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 61.8 | 1 5 6      | 10 |
| USAEH002 | -101.20 | 15 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -110.20 | 15 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -119.20 | 15 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -166.20 | 15 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.3 | 9/GR1      |    |
| USAPSA03 | -175.20 | 15 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.0 | 9/GR2      |    |
| USAWH101 | -148.20 | 15 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.1 | 10         |    |
| USAWH102 | -157.20 | 15 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.2 | 10         |    |
| VENAND03 | -115.20 | 15 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.3 | 9/GR5      |    |

## 12442,70 MHz (16)

|          |         |    |         |        |      |      |     |   |      |         |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002 | -165.80 | 16 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.8 | 9/GR1   | 10 |
| ALS00003 | -174.80 | 16 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.0 | 9/GR2   | 10 |
| ARGNORT4 | -93.80  | 16 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 65.7 | 10      |    |
| ARGNORT5 | -54.80  | 16 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.5 | 10      |    |
| B CE311  | -63.80  | 16 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.6 | 8 9/GR7 | 10 |
| B CE312  | -44.80  | 16 | -40.26  | -6.08  | 3.44 | 2.09 | 174 | 2 | 61.0 | 8 9/GR9 | 10 |
| B CE411  | -63.80  | 16 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.6 | 8 9/GR7 | 10 |
| B CE412  | -44.80  | 16 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 62.8 | 8 9/GR9 | 10 |
| B CE511  | -63.80  | 16 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.1 | 8 9/GR7 | 10 |
| B NO611  | -73.80  | 16 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 62.9 | 8 9/GR8 | 10 |
| B NO711  | -73.80  | 16 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 62.8 | 8 9/GR8 | 10 |
| B NO811  | -73.80  | 16 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 62.8 | 8 9/GR8 |    |
| B SE911  | -101.80 | 16 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.3 | 8       | 10 |
| B SU111  | -80.80  | 16 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 62.9 | 8 9/GR6 | 10 |
| B SU112  | -44.80  | 16 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.3 | 8 9/GR9 |    |
| B SU211  | -80.80  | 16 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.5 | 8 9/GR6 | 10 |
| B SU212  | -44.80  | 16 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.3 | 8 9/GR9 |    |
| CAN01101 | -137.80 | 16 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.5 | 9/GR10  | 10 |
| CAN01201 | -137.80 | 16 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.6 | 9/GR10  | 10 |
| CAN01202 | -72.30  | 16 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.6 |         |    |
| CAN01203 | -128.80 | 16 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.5 | 9/GR12  | 10 |
| CAN01303 | -128.80 | 16 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.1 | 9/GR12  | 10 |
| CAN01304 | -90.80  | 16 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 59.8 | 9/GR13  |    |
| CAN01403 | -128.80 | 16 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 61.8 | 9/GR12  | 10 |

12442,70 MHz (16)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01404 | -90.80  | 16 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 16 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 16 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.2 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 16 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.2 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 16 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 16 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.2 | 10     |    |
| CHLCONT4 | -105.80 | 16 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.1 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 16 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.6 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 16 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.7 | 9/GR18 |    |
| CRBBER01 | -92.30  | 16 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 58.8 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 16 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.7 | 9/GR18 |    |
| CRBEC001 | -92.30  | 16 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.3 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 16 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.1 | 9/GR18 |    |
| CYM00001 | -115.80 | 16 | -80.58  | 19.57  | 0.80 | 0.80 | 90  | 2 | 59.6 |        |    |
| DOMIFRB2 | -83.30  | 16 | -70.51  | 18.79  | 0.98 | 0.80 | 167 | 2 | 61.1 |        |    |
| EQAC0001 | -94.80  | 16 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.0 | 9/GR19 |    |
| EQAG0001 | -94.80  | 16 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.0 | 9/GR19 |    |
| GUFMGG02 | -52.80  | 16 | -56.42  | 8.47   | 4.16 | 0.81 | 123 | 2 | 62.7 | 2 7    | 10 |
| HWA00002 | -165.80 | 16 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 58.8 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 16 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 58.8 | 9/GR2  | 10 |
| JMC00005 | -33.80  | 16 | -77.27  | 18.12  | 0.80 | 0.80 | 90  | 2 | 60.6 |        |    |
| LCAIFRB1 | -79.30  | 16 | -61.15  | 13.90  | 0.80 | 0.80 | 90  | 2 | 58.4 |        |    |
| MEX01NTE | -77.80  | 16 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.5 | 1      |    |
| MEX02NTE | -135.80 | 16 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.2 | 1      | 10 |

12442,70 MHz (16)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| MEX02SUR | -126.80 | 16 | -96.39  | 19.88 | 3.19 | 1.87 | 158 | 2 | 62.5 | 1          | 10 |
| PRU00004 | -85.80  | 16 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 62.9 | 10         |    |
| PTRVIR01 | -100.80 | 16 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.6 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 16 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.1 | 1 6 9/GR21 |    |
| SLVIFRB2 | -107.30 | 16 | -88.91  | 13.59 | 0.80 | 0.80 | 90  | 1 | 61.7 |            |    |
| USAEH001 | -61.30  | 16 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 61.9 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 16 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 61.7 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 16 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.1 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 16 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.6 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 16 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.3 | 9/GR1      |    |
| USAPSA03 | -174.80 | 16 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.0 | 9/GR2      |    |
| USAWH101 | -147.80 | 16 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.1 | 10         |    |
| USAWH102 | -156.80 | 16 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.2 | 10         |    |
| VEN11VEN | -103.80 | 16 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.2 | 10         |    |



## 12457,28 MHz (17)

| 1         | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |         |    |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 17 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.9 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 17 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.2 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 17 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 60.1 | 9/GR3   |    |
| ARGINSU5  | -55.20  | 17 | -44.17  | -59.91 | 3.77 | 0.80 | 13  | 1 | 59.5 | 9/GR4   | 10 |
| ARGSUR04  | -94.20  | 17 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.9 | 9/GR3   | 10 |
| ARGSUR05  | -55.20  | 17 | -63.68  | -43.01 | 2.54 | 2.38 | 152 | 1 | 60.2 | 9/GR4   | 10 |
| B CE311   | -64.20  | 17 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.9 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 17 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.2 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 17 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.9 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 17 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 63.0 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 17 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.4 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 17 | -59.60  | -11.82 | 2.85 | 1.89 | 165 | 2 | 63.1 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 17 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 63.1 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 17 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 63.1 | 8 9/GR8 |    |
| B SU111   | -81.20  | 17 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 63.2 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 17 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.5 | 8 9/GR9 |    |
| B SU211   | -81.20  | 17 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.8 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 17 | -44.00  | -16.87 | 3.20 | 1.98 | 58  | 1 | 61.6 | 8 9/GR9 |    |
| BERBERMU  | -96.20  | 17 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 57.0 |         |    |
| B ERBER02 | -31.00  | 17 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 1 | 57.1 | 2       | 10 |
| B OLAND01 | -115.20 | 17 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 68.0 | 9/GR5   |    |
| CAN01101  | -138.20 | 17 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.7 | 9/GR10  | 10 |
| CAN01201  | -138.20 | 17 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.8 | 9/GR10  | 10 |
| CAN01202  | -72.70  | 17 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.8 |         |    |

## 12457,28 MHz (17)

|          |         |    |         |        |      |      |     |   |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01203 | -129.20 | 17 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.7 | 9/GR12 | 10 |
| CAN01303 | -129.20 | 17 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.2 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 17 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 60.0 | 9/GR13 |    |
| CAN01403 | -129.20 | 17 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 62.1 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 17 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.6 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 17 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.5 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 17 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 17 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.3 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 17 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.5 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 17 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.4 | 10     |    |
| CHLCONT5 | -106.20 | 17 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.6 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 17 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.4 | 9/GR17 |    |
| CLMAND01 | -115.20 | 17 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 65.3 | 9/GR5  |    |
| CLM00001 | -103.20 | 17 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.9 | 10     |    |
| EQACAND1 | -115.20 | 17 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.4 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 17 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.5 | 9/GR5  |    |
| FLKFALKS | -31.00  | 17 | -59.90  | -51.64 | 0.80 | 0.80 | 90  | 1 | 58.2 | 2      |    |
| HWA00002 | -166.20 | 17 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 59.0 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 17 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.9 | 9/GR2  | 10 |
| JMC00002 | -92.70  | 17 | -77.30  | 18.12  | 0.80 | 0.80 | 90  | 2 | 60.1 |        |    |
| MEX01NTE | -78.20  | 17 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.7 | ↑      |    |
| MEX01SUR | -69.20  | 17 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.5 | 1      | 10 |
| MEX02NTE | -136.20 | 17 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.4 | 1      | 10 |
| MEX02SUR | -127.20 | 17 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.8 | 1      | 10 |

## 12457,28 MHz (17)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |               |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------------|
| PAQPAC01 | -108.20 | 17 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.4 | 9/GR17        |
| PRG00002 | -99.20  | 17 | -58.86  | -23.32 | 1.45 | 1.04 | 78  | 1 | 60.4 |               |
| PRUAND02 | -115.20 | 17 | -74.89  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.3 | 9/GR5         |
| PTRVIR01 | -101.20 | 17 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.8 | 1 6 9/GR20    |
| PTRVIR02 | -110.20 | 17 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.3 | 1 6 9/GR21    |
| SCN00001 | -79.70  | 17 | -62.46  | 17.44  | 0.80 | 0.80 | 90  | 1 | 58.6 |               |
| SPMFRAN3 | -53.20  | 17 | -67.24  | 47.51  | 3.16 | 0.80 | 7   | 1 | 60.8 | 2 7 10        |
| SURINAM2 | -84.70  | 17 | -55.69  | 4.35   | 1.00 | 0.80 | 86  | 1 | 63.5 |               |
| URG00001 | -71.70  | 17 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.2 |               |
| USAEH001 | -61.70  | 17 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 62.1 | 1 5 6 10      |
| USAEH002 | -101.20 | 17 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 62.0 | 1 6 9/GR20 10 |
| USAEH003 | -110.20 | 17 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.3 | 1 6 9/GR21 10 |
| USAEH004 | -119.20 | 17 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.9 | 1 5 6 10      |
| USAPSA02 | -166.20 | 17 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.5 | 9/GR1         |
| USAPSA03 | -175.20 | 17 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.3 | 9/GR2         |
| USAWH101 | -148.20 | 17 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.3 | 10            |
| USAWH102 | -157.20 | 17 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.5 | 10            |
| VENAND03 | -115.20 | 17 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.6 | 9/GR5         |

## 12471,86 MHz (18)

|           |         |    |         |        |      |      |     |   |      |            |
|-----------|---------|----|---------|--------|------|------|-----|---|------|------------|
| ALS00002  | -165.80 | 18 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.9 | 9/GR1 10   |
| ALS00003  | -174.80 | 18 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.2 | 9/GR2 10   |
| ARGNORT4  | -93.80  | 18 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 66.0 | 10         |
| ARGNORT5  | -54.80  | 18 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.8 | 10         |
| ATNBEAM1  | -52.80  | 18 | -66.44  | 14.87  | 1.83 | 0.80 | 39  | 2 | 61.3 |            |
| B CE311   | -63.80  | 18 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.9 | 8 9/GR7 10 |
| B CE312   | -44.80  | 18 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.2 | 8 9/GR9 10 |
| B CE411   | -63.80  | 18 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.9 | 8 9/GR7 10 |
| B CE412   | -44.80  | 18 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 63.0 | 8 9/GR9 10 |
| B CE511   | -63.80  | 18 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.4 | 8 9/GR7 10 |
| B NO611   | -73.80  | 18 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 63.1 | 8 9/GR8 10 |
| B NO711   | -73.80  | 18 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 63.1 | 8 9/GR8 10 |
| B NO811   | -73.80  | 18 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 63.1 | 8 9/GR8 10 |
| B SE911   | -101.80 | 18 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.7 | 8 10       |
| B SU111   | -80.80  | 18 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 63.1 | 8 9/GR6 10 |
| B SU112   | -44.80  | 18 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.6 | 8 9/GR9 10 |
| B SU211   | -80.80  | 18 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.8 | 8 9/GR6 10 |
| B SU212   | -44.80  | 18 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.6 | 8 9/GR9 10 |
| B LZ00001 | -115.80 | 18 | -88.68  | 17.27  | 0.80 | 0.80 | 90  | 2 | 59.2 |            |
| CAN01101  | -137.80 | 18 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.7 | 9/GR10 10  |
| CAN01201  | -137.80 | 18 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.8 | 9/GR10 10  |
| CAN01202  | -72.30  | 18 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.8 |            |
| CAN01203  | -128.80 | 18 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.7 | 9/GR12 10  |
| CAN01303  | -128.80 | 18 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.3 | 9/GR12 10  |

## 12471,86 MHz (18)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01304 | -90.80  | 18 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 60.0 | 9/GR13 |    |
| CAN01403 | -128.80 | 18 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 62.1 | 9/GR12 | 10 |
| CAN01404 | -90.80  | 18 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.6 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 18 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.5 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 18 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 18 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.3 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 18 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.5 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 18 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.4 | 10     |    |
| CHLCONT4 | -105.80 | 18 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.3 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 18 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.7 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 18 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.9 | 9/GR18 |    |
| CRBBER01 | -92.30  | 18 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.9 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 18 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.9 | 9/GR18 |    |
| CRBEC001 | -92.30  | 18 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.6 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 18 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.3 | 9/GR18 |    |
| CTR00201 | -130.80 | 18 | -84.33  | 9.67   | 0.82 | 0.80 | 119 | 2 | 66.0 |        |    |
| DMAIFRB1 | -79.30  | 18 | -61.30  | 15.35  | 0.80 | 0.80 | 90  | 2 | 58.7 |        |    |
| EQAC0001 | -94.80  | 18 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.3 | 9/GR19 |    |
| EQAG0001 | -94.80  | 18 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.2 | 9/GR19 |    |
| HWA00002 | -165.80 | 18 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 59.0 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 18 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 59.0 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 18 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.7 | 1      |    |
| MEX02NTE | -135.80 | 18 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.4 | 1      | 10 |
| MEX02SUR | -126.80 | 18 | -96.39  | 19.88  | 3.19 | 1.87 | 158 | 2 | 62.8 | 1      | 10 |

## 12471,86 MHz (18)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| NCG00003 | -107.30 | 18 | -84.99  | 12.90 | 1.05 | 1.01 | 176 | 1 | 63.6 |            |    |
| PRU00004 | -85.80  | 18 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 63.1 | 10         |    |
| PTRVIR01 | -100.80 | 18 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.8 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 18 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.4 | 1 6 9/GR21 |    |
| USAEH001 | -61.30  | 18 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 62.1 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 18 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 62.0 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 18 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.3 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 18 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.9 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 18 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.5 | 9/GR1      |    |
| USAPSA03 | -174.80 | 18 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.3 | 9/GR2      |    |
| USAWH101 | -147.80 | 18 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.3 | 10         |    |
| USAWH102 | -156.80 | 18 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.5 | 10         |    |
| VEN11VEN | -103.80 | 18 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.5 | 10         |    |

## 12486,44 MHz (19)

| 1         | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |         |    |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------|----|
| ALS00002  | -166.20 | 19 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 60.0 | 9/GR1   | 10 |
| ALS00003  | -175.20 | 19 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.2 | 9/GR2   | 10 |
| ARGINSU4  | -94.20  | 19 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 60.1 | 9/GR3   |    |
| ARGINSU5  | -55.20  | 19 | -44.17  | -59.91 | 3.77 | 0.80 | 13  | 1 | 59.5 | 9/GR4   | 10 |
| ARGSUR04  | -94.20  | 19 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.9 | 9/GR3   | 10 |
| ARGSUR05  | -55.20  | 19 | -63.68  | -43.01 | 2.54 | 2.38 | 152 | 1 | 60.3 | 9/GR4   | 10 |
| B CE311   | -64.20  | 19 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.9 | 8 9/GR7 | 10 |
| B CE312   | -45.20  | 19 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.3 | 8 9/GR9 | 10 |
| B CE411   | -64.20  | 19 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.9 | 8 9/GR7 | 10 |
| B CE412   | -45.20  | 19 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 63.1 | 8 9/GR9 | 10 |
| B CE511   | -64.20  | 19 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.4 | 8 9/GR7 | 10 |
| B NO611   | -74.20  | 19 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 63.2 | 8 9/GR8 | 10 |
| B NO711   | -74.20  | 19 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 63.2 | 8 9/GR8 | 10 |
| B NO811   | -74.20  | 19 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 63.1 | 8 9/GR8 |    |
| B SU111   | -81.20  | 19 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 63.2 | 8 9/GR6 | 10 |
| B SU112   | -45.20  | 19 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.8 | 8 9/GR9 |    |
| B SU211   | -81.20  | 19 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.8 | 8 9/GR6 | 10 |
| B SU212   | -45.20  | 19 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.6 | 8 9/GR9 |    |
| BERBERMU  | -96.20  | 19 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 57.0 |         |    |
| B OLAND01 | -115.20 | 19 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 68.1 | 9/GR5   |    |
| B OL00001 | -87.20  | 19 | -64.61  | -16.71 | 2.52 | 2.19 | 85  | 1 | 64.2 | 10      |    |
| B RB00001 | -92.70  | 19 | -59.85  | 12.93  | 0.80 | 0.80 | 90  | 2 | 59.4 |         |    |
| CAN01101  | -138.20 | 19 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.7 | 9/GR10  | 10 |
| CAN01201  | -138.20 | 19 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.8 | 9/GR10  | 10 |

## 12486,44 MHz (19)

|          |         |    |         |        |      |      |     |   |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01202 | -72.70  | 19 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.8 |        |    |
| CAN01203 | -129.20 | 19 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.7 | 9/GR12 | 10 |
| CAN01303 | -129.20 | 19 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.3 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 19 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 60.1 | 9/GR13 |    |
| CAN01403 | -129.20 | 19 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 62.1 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 19 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.6 | 9/GR13 | 10 |
| CAN01405 | -82.20  | 19 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.5 | 9/GR14 | 10 |
| CAN01504 | -91.20  | 19 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.4 | 9/GR13 | 10 |
| CAN01505 | -82.20  | 19 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.4 | 9/GR14 | 10 |
| CAN01605 | -82.20  | 19 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.5 | 9/GR14 | 10 |
| CAN01606 | -70.70  | 19 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.5 | 10     |    |
| CHLCONT5 | -106.20 | 19 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.6 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 19 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.4 | 9/GR17 |    |
| CLMAND01 | -115.20 | 19 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 65.4 | 9/GR5  |    |
| CLM00001 | -103.20 | 19 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.9 | 10     |    |
| CUB00001 | -89.20  | 19 | -79.81  | 21.62  | 2.24 | 0.80 | 168 | 1 | 61.3 |        |    |
| EQACAND1 | -115.20 | 19 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.4 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 19 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.6 | 9/GR5  |    |
| GRD00059 | -57.20  | 19 | -61.58  | 12.29  | 0.80 | 0.80 | 90  | 1 | 58.7 |        |    |
| GRLDNK01 | -53.20  | 19 | -44.89  | 66.56  | 2.70 | 0.82 | 173 | 1 | 60.2 | 2      | 10 |
| GUY00201 | -84.70  | 19 | -59.19  | 4.78   | 1.44 | 0.85 | 95  | 1 | 63.8 |        |    |
| HWA00002 | -166.20 | 19 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 59.0 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 19 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 59.0 | 9/GR2  | 10 |
| MEX01NTE | -78.20  | 19 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.8 | 1      |    |

## 12486,44 MHz (19)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |            |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|------------|----|
| MEX01SUR | -89.20  | 19 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.5 | 1          | 10 |
| MEX02NTE | -136.20 | 19 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.5 | 1          | 10 |
| MEX02SUR | -127.20 | 19 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.8 | 1          | 10 |
| MSR00001 | -79.70  | 19 | -61.73  | 16.75  | 0.80 | 0.80 | 90  | 1 | 58.9 | 4          |    |
| PAQPAC01 | -106.20 | 19 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.4 | 9/GR17     |    |
| PRG00002 | -99.20  | 19 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.5 |            |    |
| PRUAND02 | -115.20 | 19 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.3 | 9/GR5      |    |
| PTRVIR01 | -101.20 | 19 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.8 | 1 6 9/GR20 |    |
| PTRVIR02 | -110.20 | 19 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.3 | 1 6 9/GR21 |    |
| URG00001 | -71.70  | 19 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.2 |            |    |
| USAEH001 | -61.70  | 19 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 62.1 | 1 5 6      | 10 |
| USAEH002 | -101.20 | 19 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 62.0 | 1 6 9/GR20 | 10 |
| USAEH003 | -110.20 | 19 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.4 | 1 6 9/GR21 | 10 |
| USAEH004 | -119.20 | 19 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.9 | 1 5 6      | 10 |
| USAPSA02 | -166.20 | 19 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.6 | 9/GR1      |    |
| USAPSA03 | -175.20 | 19 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.4 | 9/GR2      |    |
| USAWH101 | -148.20 | 19 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.4 | 10         |    |
| USAWH102 | -157.20 | 19 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.5 | 10         |    |
| VENAND03 | -115.20 | 19 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.7 | 9/GR5      |    |

## 12501,02 MHz (20)

|          |         |    |         |        |      |      |     |   |      |         |       |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------|-------|
| ALS00002 | -165.80 | 20 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.9 | 9/GR1   | 10    |
| ALS00003 | -174.80 | 20 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.2 | 9/GR2   | 10    |
| ARGNORT4 | -93.80  | 20 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 66.1 | 10      |       |
| ARGNORT5 | -54.80  | 20 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.9 | 10      |       |
| B CE311  | -63.80  | 20 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.9 | 8 9/GR7 | 10    |
| B CE312  | -44.80  | 20 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.3 | 8 9/GR9 | 10 11 |
| B CE411  | -63.80  | 20 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.9 | 8 9/GR7 | 10    |
| B CE412  | -44.80  | 20 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 63.1 | 8 9/GR9 | 10 12 |
| B CE511  | -63.80  | 20 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.4 | 8 9/GR7 | 10    |
| B NO611  | -73.80  | 20 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 63.2 | 8 9/GR8 | 10    |
| B NO711  | -73.80  | 20 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 63.2 | 8 9/GR8 | 10    |
| B NO811  | -73.80  | 20 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 63.2 | 8 9/GR8 |       |
| B SE911  | -101.80 | 20 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.7 | 8       | 10    |
| B SU111  | -80.80  | 20 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 63.2 | 8 9/GR6 | 10    |
| B SU112  | -44.80  | 20 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.6 | 8 9/GR9 | 11    |
| B SU211  | -80.80  | 20 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.8 | 8 9/GR6 | 10    |
| B SU212  | -44.80  | 20 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.6 | 8 9/GR9 | 12    |
| CAN01101 | -137.80 | 20 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.7 | 9/GR10  | 10    |
| CAN01201 | -137.80 | 20 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.8 | 9/GR10  | 10    |
| CAN01202 | -72.30  | 20 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.8 |         |       |
| CAN01203 | -128.80 | 20 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.7 | 9/GR12  | 10    |
| CAN01303 | -128.80 | 20 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.3 | 9/GR12  | 10    |
| CAN01304 | -90.80  | 20 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 60.0 | 9/GR13  |       |
| CAN01403 | -128.80 | 20 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 62.1 | 9/GR12  | 10    |

12501,02 MHz (20)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01404 | -90.80  | 20 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.6 | 9/GR13 | 10 |
| CAN01405 | -81.80  | 20 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.5 | 9/GR14 | 10 |
| CAN01504 | -90.80  | 20 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.4 | 9/GR13 | 10 |
| CAN01505 | -81.80  | 20 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.4 | 9/GR14 | 10 |
| CAN01605 | -81.80  | 20 | -61.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.5 | 9/GR14 | 10 |
| CAN01606 | -70.30  | 20 | -61.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.5 | 10     |    |
| CHLCONT4 | -105.80 | 20 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.3 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 20 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.8 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 20 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 62.0 | 9/GR18 |    |
| CRBBER01 | -92.30  | 20 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 57.0 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 20 | -86.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.9 | 9/GR18 |    |
| CRBEC001 | -92.30  | 20 | -60.07  | 8.28   | 4.20 | 0.86 | 115 | 1 | 64.6 | 9/GR18 | 10 |
| CRBJMC01 | -92.30  | 20 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.4 | 9/GR18 |    |
| EQAC0001 | -94.80  | 20 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.3 | 9/GR19 |    |
| EQAG0001 | -94.80  | 20 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.3 | 9/GR19 |    |
| GRD00003 | -79.30  | 20 | -61.62  | 12.34  | 0.80 | 0.80 | 90  | 2 | 58.9 |        |    |
| GTMIFRB2 | -107.30 | 20 | -90.50  | 15.64  | 1.03 | 0.80 | 84  | 1 | 61.4 |        |    |
| GUFMGG02 | -52.80  | 20 | -56.42  | 8.47   | 4.16 | 0.81 | 123 | 2 | 63.0 | 2 7    | 10 |
| HWA00002 | -165.80 | 20 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 59.0 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 20 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 59.0 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 20 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.8 | 1      |    |
| MEX02NTE | -135.80 | 20 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.5 | 1      | 10 |
| MEX02SUR | -126.80 | 20 | -96.39  | 19.88  | 3.19 | 1.87 | 158 | 2 | 62.8 | 1      | 10 |
| PNRIFRB2 | -121.00 | 20 | -80.15  | 8.46   | 1.01 | 0.80 | 170 | 1 | 65.1 |        |    |

12501,02 MHz (20)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| PRU00004 | -85.80  | 20 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 63.2 | 10         |    |
| PTRVIR01 | -100.80 | 20 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.9 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 20 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.4 | 1 6 9/GR21 |    |
| USAEH001 | -61.30  | 20 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 62.1 | 1 5 6      | 10 |
| USAEH002 | -100.80 | 20 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 62.0 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 20 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.4 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 20 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.9 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 20 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.6 | 9/GR1      |    |
| USAPSA03 | -174.80 | 20 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.3 | 9/GR2      |    |
| USAWH101 | -147.80 | 20 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.4 | 10         |    |
| USAWH102 | -156.80 | 20 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.5 | 10         |    |
| VEN02VEN | -103.80 | 20 | -63.50  | 15.50 | 0.80 | 0.80 | 90  | 2 | 60.1 | 9/GR22     |    |
| VEN11VEN | -103.80 | 20 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.6 | 9/GR22     | 10 |

## 12515,60 MHz (21)

| 1         | 2       | 3  | 4       |        | 5    |      | 6   | 7 | 8    | 9       |       |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------|-------|
| ALS00002  | -166.20 | 21 | -149.66 | 58.37  | 3.76 | 1.24 | 170 | 1 | 59.9 | 9/GR1   | 10    |
| ALS00003  | -175.20 | 21 | -150.98 | 58.53  | 3.77 | 1.11 | 167 | 1 | 60.2 | 9/GR2   | 10    |
| ARGINSU4  | -94.20  | 21 | -52.98  | -59.81 | 3.40 | 0.80 | 19  | 1 | 60.1 | 9/GR3   |       |
| ARGINSU5  | -55.20  | 21 | -44.17  | -59.91 | 3.77 | 0.80 | 13  | 1 | 59.5 | 9/GR4   |       |
| ARGSUR04  | -94.20  | 21 | -65.04  | -43.33 | 3.32 | 1.50 | 40  | 1 | 60.9 | 9/GR3   |       |
| ARGSUR05  | -55.20  | 21 | -63.68  | -43.01 | 2.54 | 2.38 | 152 | 1 | 60.2 | 9/GR4   |       |
| B CE311   | -64.20  | 21 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 1 | 61.9 | 8 9/GR7 |       |
| B CE312   | -45.20  | 21 | -40.27  | -6.06  | 3.44 | 2.09 | 174 | 1 | 61.2 | 8 9/GR9 | 10 11 |
| B CE411   | -64.20  | 21 | -50.97  | -15.27 | 3.86 | 1.38 | 49  | 1 | 62.9 | 8 9/GR7 |       |
| B CE412   | -45.20  | 21 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 1 | 63.0 | 8 9/GR9 | 10 12 |
| B CE511   | -64.20  | 21 | -53.10  | -2.90  | 2.44 | 2.13 | 104 | 1 | 63.4 | 8 9/GR7 |       |
| B NO611   | -74.20  | 21 | -59.60  | -11.62 | 2.85 | 1.69 | 165 | 2 | 63.1 | 8 9/GR8 |       |
| B NO711   | -74.20  | 21 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 2 | 63.1 | 8 9/GR8 |       |
| B NO811   | -74.20  | 21 | -68.76  | -4.71  | 2.37 | 1.65 | 73  | 2 | 63.1 | 8 9/GR8 |       |
| B SU111   | -81.20  | 21 | -51.12  | -25.63 | 2.76 | 1.05 | 50  | 1 | 63.2 | 8 9/GR6 |       |
| B SU112   | -45.20  | 21 | -50.75  | -25.62 | 2.47 | 1.48 | 56  | 1 | 62.5 | 8 9/GR9 | 11    |
| B SU211   | -81.20  | 21 | -44.51  | -16.95 | 3.22 | 1.36 | 60  | 1 | 62.8 | 8 9/GR6 |       |
| B SU212   | -45.20  | 21 | -44.00  | -16.87 | 3.20 | 1.96 | 58  | 1 | 61.6 | 8 9/GR9 | 12    |
| BERBERMU  | -96.20  | 21 | -64.77  | 32.32  | 0.80 | 0.80 | 90  | 2 | 57.0 |         |       |
| B OLAND01 | -115.20 | 21 | -65.04  | -16.76 | 2.49 | 1.27 | 76  | 1 | 68.0 | 9/GR5   |       |
| CAN01101  | -138.20 | 21 | -125.63 | 57.24  | 3.45 | 1.27 | 157 | 1 | 59.7 | 9/GR10  | 10    |
| CAN01201  | -138.20 | 21 | -112.04 | 55.95  | 3.35 | 0.97 | 151 | 1 | 59.8 | 9/GR10  | 10    |
| CAN01202  | -72.70  | 21 | -107.70 | 55.63  | 2.74 | 1.12 | 32  | 1 | 59.8 |         |       |
| CAN01203  | -129.20 | 21 | -111.48 | 55.61  | 3.08 | 1.15 | 151 | 1 | 59.7 | 9/GR12  | 10    |

## 12515,60 MHz (21)

|          |         |    |         |        |      |      |     |   |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01303 | -129.20 | 21 | -102.42 | 57.12  | 3.54 | 0.91 | 154 | 1 | 60.2 | 9/GR12 | 10 |
| CAN01304 | -91.20  | 21 | -99.12  | 57.36  | 1.98 | 1.72 | 2   | 1 | 60.0 | 9/GR13 |    |
| CAN01403 | -129.20 | 21 | -89.75  | 52.02  | 4.68 | 0.80 | 148 | 1 | 62.1 | 9/GR12 | 10 |
| CAN01404 | -91.20  | 21 | -84.82  | 52.42  | 3.10 | 2.05 | 152 | 1 | 60.6 | 9/GR13 |    |
| CAN01405 | -82.20  | 21 | -84.00  | 52.39  | 2.84 | 2.29 | 172 | 1 | 60.5 | 9/GR14 |    |
| CAN01504 | -91.20  | 21 | -72.66  | 53.77  | 3.57 | 1.67 | 156 | 1 | 60.4 | 9/GR13 |    |
| CAN01505 | -82.20  | 21 | -71.77  | 53.79  | 3.30 | 1.89 | 162 | 1 | 60.3 | 9/GR14 |    |
| CAN01605 | -82.20  | 21 | -61.50  | 49.55  | 2.65 | 1.40 | 143 | 1 | 60.5 | 9/GR14 |    |
| CAN01606 | -70.70  | 21 | -61.30  | 49.55  | 2.40 | 1.65 | 148 | 1 | 60.4 |        |    |
| CHLCONT5 | -106.20 | 21 | -72.23  | -35.57 | 2.60 | 0.80 | 55  | 1 | 59.6 | 9/GR17 |    |
| CHLPAC02 | -106.20 | 21 | -80.06  | -30.06 | 1.36 | 0.80 | 69  | 1 | 59.4 | 9/GR17 |    |
| CLMAND01 | -115.20 | 21 | -74.72  | 5.93   | 3.85 | 1.63 | 114 | 1 | 65.3 | 9/GR5  | 10 |
| CLM00001 | -103.20 | 21 | -74.50  | 5.87   | 3.98 | 1.96 | 118 | 1 | 63.9 | 10     |    |
| EQACAND1 | -115.20 | 21 | -78.40  | -1.61  | 1.37 | 0.95 | 75  | 1 | 64.4 | 9/GR5  |    |
| EQAGAND1 | -115.20 | 21 | -90.34  | -0.62  | 0.90 | 0.81 | 89  | 1 | 61.5 | 9/GR5  |    |
| HWA00002 | -166.20 | 21 | -165.79 | 23.42  | 4.20 | 0.80 | 160 | 1 | 59.0 | 9/GR1  | 10 |
| HWA00003 | -175.20 | 21 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 1 | 58.9 | 9/GR2  | 10 |
| JMC00002 | -92.70  | 21 | -77.30  | 18.12  | 0.80 | 0.80 | 90  | 2 | 60.1 |        |    |
| MEX01NTE | -78.20  | 21 | -105.81 | 26.01  | 2.89 | 2.08 | 155 | 1 | 60.7 | 1      |    |
| MEX01SUR | -69.20  | 21 | -94.84  | 19.82  | 3.05 | 2.09 | 4   | 1 | 62.5 | 1      |    |
| MEX02NTE | -136.20 | 21 | -107.21 | 26.31  | 3.84 | 1.55 | 148 | 1 | 61.4 | 1      | 10 |
| MEX02SUR | -127.20 | 21 | -96.39  | 19.88  | 3.18 | 1.87 | 157 | 1 | 62.8 | 1      | 10 |
| PAQPAC01 | -106.20 | 21 | -109.18 | -27.53 | 0.80 | 0.80 | 90  | 1 | 56.4 | 9/GR17 |    |
| PRG00002 | -99.20  | 21 | -58.66  | -23.32 | 1.45 | 1.04 | 76  | 1 | 60.4 |        |    |

12515,60 MHz (21)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |               |
|----------|---------|----|---------|--------|------|------|-----|---|------|---------------|
| PRUAND02 | -115.20 | 21 | -74.69  | -8.39  | 3.41 | 1.79 | 95  | 1 | 64.3 | 9/GR5         |
| PTRVIR01 | -101.20 | 21 | -65.85  | 18.12  | 0.80 | 0.80 | 90  | 1 | 60.8 | 1 6 9/GR20    |
| PTRVIR02 | -110.20 | 21 | -65.86  | 18.12  | 0.80 | 0.80 | 90  | 1 | 61.3 | 1 6 9/GR21    |
| SCN00001 | -79.70  | 21 | -62.46  | 17.44  | 0.80 | 0.80 | 90  | 1 | 58.6 |               |
| SPMFRAN3 | -53.20  | 21 | -67.24  | 47.51  | 3.16 | 0.80 | 7   | 1 | 60.6 | 2 7           |
| SURINAM2 | -84.70  | 21 | -55.69  | 4.35   | 1.00 | 0.80 | 86  | 1 | 63.5 |               |
| URG00001 | -71.70  | 21 | -56.22  | -32.52 | 1.02 | 0.89 | 11  | 1 | 60.2 |               |
| USAEH001 | -61.70  | 21 | -85.19  | 36.21  | 5.63 | 3.33 | 22  | 1 | 62.1 | 1 5 6         |
| USAEH002 | -101.20 | 21 | -89.24  | 36.16  | 5.67 | 3.76 | 170 | 1 | 62.0 | 1 6 9/GR20 10 |
| USAEH003 | -110.20 | 21 | -90.14  | 36.11  | 5.55 | 3.55 | 161 | 1 | 62.3 | 1 6 9/GR21 10 |
| USAEH004 | -119.20 | 21 | -91.16  | 36.05  | 5.38 | 3.24 | 152 | 1 | 62.9 | 1 5 6 10      |
| USAPSA02 | -166.20 | 21 | -117.80 | 40.58  | 4.03 | 0.82 | 135 | 1 | 63.5 | 9/GR1         |
| USAPSA03 | -175.20 | 21 | -118.27 | 40.12  | 3.62 | 0.80 | 136 | 1 | 65.3 | 9/GR2         |
| USAWH101 | -148.20 | 21 | -109.65 | 38.13  | 5.53 | 1.95 | 142 | 1 | 62.3 | 10            |
| USAWH102 | -157.20 | 21 | -111.41 | 38.57  | 5.51 | 1.54 | 138 | 1 | 63.5 | 10            |
| VENAND03 | -115.20 | 21 | -67.04  | 6.91   | 2.37 | 1.43 | 111 | 1 | 67.6 | 9/GR5 10      |

12530,18 MHz (22)

|           |         |    |         |        |      |      |     |   |      |               |
|-----------|---------|----|---------|--------|------|------|-----|---|------|---------------|
| ALS00002  | -165.80 | 22 | -149.63 | 58.52  | 3.81 | 1.23 | 171 | 2 | 59.9 | 9/GR1 10      |
| ALS00003  | -174.80 | 22 | -150.95 | 58.54  | 3.77 | 1.11 | 167 | 2 | 60.2 | 9/GR2 10      |
| ARGNORT4  | -93.80  | 22 | -63.96  | -30.01 | 3.86 | 1.99 | 48  | 2 | 66.0 |               |
| ARGNORT5  | -54.80  | 22 | -62.85  | -29.80 | 3.24 | 2.89 | 47  | 2 | 63.8 |               |
| ATNBEAM1  | -52.80  | 22 | -66.44  | 14.87  | 1.83 | 0.80 | 39  | 2 | 61.3 |               |
| B CE311   | -63.80  | 22 | -40.60  | -6.07  | 3.04 | 2.06 | 174 | 2 | 61.9 | 8 9/GR7       |
| B CE312   | -44.80  | 22 | -40.26  | -6.06  | 3.44 | 2.09 | 174 | 2 | 61.2 | 8 9/GR9 10 11 |
| B CE411   | -63.80  | 22 | -50.97  | -15.26 | 3.86 | 1.38 | 49  | 2 | 62.9 | 8 9/GR7       |
| B CE412   | -44.80  | 22 | -50.71  | -15.30 | 3.57 | 1.56 | 52  | 2 | 63.0 | 8 9/GR9 10 12 |
| B CE511   | -63.80  | 22 | -53.11  | -2.98  | 2.42 | 2.15 | 107 | 2 | 63.4 | 8 9/GR7       |
| B NO611   | -73.80  | 22 | -59.60  | -11.62 | 2.86 | 1.69 | 165 | 1 | 63.1 | 8 9/GR8       |
| B NO711   | -73.80  | 22 | -60.70  | -1.78  | 3.54 | 1.78 | 126 | 1 | 63.1 | 8 9/GR8       |
| B NO811   | -73.80  | 22 | -68.75  | -4.71  | 2.37 | 1.65 | 73  | 1 | 63.1 | 8 9/GR8       |
| B SE911   | -101.80 | 22 | -45.99  | -19.09 | 2.22 | 0.80 | 62  | 2 | 65.7 | 8             |
| B SU111   | -80.80  | 22 | -51.10  | -25.64 | 2.76 | 1.06 | 50  | 2 | 63.1 | 8 9/GR6       |
| B SU112   | -44.80  | 22 | -50.76  | -25.62 | 2.47 | 1.48 | 56  | 2 | 62.6 | 8 9/GR9 11    |
| B SU211   | -80.80  | 22 | -44.51  | -16.94 | 3.22 | 1.37 | 60  | 2 | 62.8 | 8 9/GR6       |
| B SU212   | -44.80  | 22 | -43.99  | -16.97 | 3.27 | 1.92 | 59  | 2 | 61.6 | 8 9/GR9 12    |
| B LZ00001 | -115.80 | 22 | -88.68  | 17.27  | 0.80 | 0.80 | 90  | 2 | 59.2 |               |
| CAN01101  | -137.80 | 22 | -125.60 | 57.24  | 3.45 | 1.27 | 157 | 2 | 59.7 | 9/GR10 10     |
| CAN01201  | -137.80 | 22 | -111.92 | 55.89  | 3.33 | 0.98 | 151 | 2 | 59.8 | 9/GR10 10     |
| CAN01202  | -72.30  | 22 | -107.64 | 55.62  | 2.75 | 1.11 | 32  | 2 | 59.8 |               |
| CAN01203  | -128.80 | 22 | -111.43 | 55.56  | 3.07 | 1.15 | 151 | 2 | 59.7 | 9/GR12 10     |
| CAN01303  | -128.80 | 22 | -102.39 | 57.12  | 3.54 | 0.92 | 154 | 2 | 60.3 | 9/GR12 10     |



## 12530,18 MHz (22)

| 1        | 2       | 3  | 4       | 5      | 6    | 7    | 8   | 9 |      |        |    |
|----------|---------|----|---------|--------|------|------|-----|---|------|--------|----|
| CAN01304 | -90.80  | 22 | -99.00  | 57.33  | 1.96 | 1.73 | 1   | 2 | 60.0 | 9/GR13 |    |
| CAN01403 | -128.80 | 22 | -89.70  | 52.02  | 4.67 | 0.80 | 148 | 2 | 62.1 | 9/GR12 | 10 |
| CAN01404 | -90.80  | 22 | -84.78  | 52.41  | 3.09 | 2.06 | 153 | 2 | 60.6 | 9/GR13 |    |
| CAN01405 | -81.80  | 22 | -84.02  | 52.34  | 2.82 | 2.30 | 172 | 2 | 60.5 | 9/GR14 |    |
| CAN01504 | -90.80  | 22 | -72.68  | 53.78  | 3.57 | 1.67 | 157 | 2 | 60.4 | 9/GR13 |    |
| CAN01505 | -81.80  | 22 | -71.76  | 53.76  | 3.30 | 1.89 | 162 | 2 | 60.3 | 9/GR14 |    |
| CAN01605 | -81.80  | 22 | -81.54  | 49.50  | 2.66 | 1.39 | 144 | 2 | 60.5 | 9/GR14 |    |
| CAN01606 | -70.30  | 22 | -81.32  | 49.51  | 2.41 | 1.65 | 148 | 2 | 60.4 |        |    |
| CHLCONT4 | -105.80 | 22 | -69.59  | -23.20 | 2.21 | 0.80 | 68  | 2 | 59.3 | 9/GR16 |    |
| CHLCONT6 | -105.80 | 22 | -73.52  | -55.52 | 3.65 | 1.31 | 39  | 2 | 59.7 | 9/GR16 |    |
| CRBBAH01 | -92.30  | 22 | -76.09  | 24.13  | 1.83 | 0.80 | 141 | 1 | 61.9 | 9/GR18 |    |
| CRBBER01 | -92.30  | 22 | -64.76  | 32.13  | 0.80 | 0.80 | 90  | 1 | 56.9 | 9/GR18 |    |
| CRBBLZ01 | -92.30  | 22 | -88.61  | 17.26  | 0.80 | 0.80 | 90  | 1 | 58.9 | 9/GR18 |    |
| CRBEC001 | -92.30  | 22 | -60.07  | 8.26   | 4.20 | 0.86 | 115 | 1 | 64.6 | 9/GR18 |    |
| CRBJMC01 | -92.30  | 22 | -79.45  | 17.97  | 0.99 | 0.80 | 151 | 1 | 61.3 | 9/GR18 |    |
| CTR00201 | -130.80 | 22 | -84.33  | 9.67   | 0.82 | 0.80 | 119 | 2 | 66.0 |        |    |
| DMAIFRB1 | -79.30  | 22 | -81.30  | 15.35  | 0.80 | 0.80 | 90  | 2 | 58.7 |        |    |
| EQAC0001 | -94.80  | 22 | -78.31  | -1.52  | 1.48 | 1.15 | 65  | 1 | 63.3 | 9/GR19 |    |
| EQAG0001 | -94.80  | 22 | -90.36  | -0.57  | 0.94 | 0.89 | 99  | 1 | 61.2 | 9/GR19 |    |
| HWA00002 | -165.80 | 22 | -165.79 | 23.32  | 4.20 | 0.80 | 160 | 2 | 59.0 | 9/GR1  | 10 |
| HWA00003 | -174.80 | 22 | -166.10 | 23.42  | 4.25 | 0.80 | 159 | 2 | 59.0 | 9/GR2  | 10 |
| MEX01NTE | -77.80  | 22 | -105.80 | 25.99  | 2.88 | 2.07 | 155 | 2 | 60.7 | 1      |    |
| MEX02NTE | -135.80 | 22 | -107.36 | 26.32  | 3.80 | 1.57 | 149 | 2 | 61.4 | 1      | 10 |
| MEX02SUR | -126.80 | 22 | -96.39  | 19.88  | 3.19 | 1.87 | 158 | 2 | 62.8 | 1      | 10 |

## 12530,18 MHz (22)

|          |         |    |         |       |      |      |     |   |      |            |    |
|----------|---------|----|---------|-------|------|------|-----|---|------|------------|----|
| NCG00003 | -107.30 | 22 | -84.99  | 12.90 | 1.05 | 1.01 | 176 | 1 | 63.6 |            |    |
| PRU00004 | -85.80  | 22 | -74.19  | -8.39 | 3.74 | 2.45 | 112 | 2 | 63.1 |            |    |
| PTRVIR01 | -100.80 | 22 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 60.8 | 1 6 9/GR20 |    |
| PTRVIR02 | -109.80 | 22 | -65.85  | 18.12 | 0.80 | 0.80 | 90  | 2 | 61.4 | 1 6 9/GR21 |    |
| USAEH001 | -61.30  | 22 | -85.16  | 36.21 | 5.63 | 3.32 | 22  | 2 | 62.1 | 1 5 6      |    |
| USAEH002 | -100.80 | 22 | -89.28  | 36.16 | 5.65 | 3.78 | 170 | 2 | 62.0 | 1 6 9/GR20 | 10 |
| USAEH003 | -109.80 | 22 | -90.12  | 36.11 | 5.55 | 3.56 | 161 | 2 | 62.3 | 1 6 9/GR21 | 10 |
| USAEH004 | -118.80 | 22 | -91.16  | 36.05 | 5.38 | 3.24 | 153 | 2 | 62.9 | 1 5 6      | 10 |
| USAPSA02 | -165.80 | 22 | -117.79 | 40.58 | 4.04 | 0.82 | 135 | 2 | 63.5 | 9/GR1      |    |
| USAPSA03 | -174.80 | 22 | -118.20 | 40.15 | 3.63 | 0.80 | 136 | 2 | 65.3 | 9/GR2      |    |
| USAWH101 | -147.80 | 22 | -109.70 | 38.13 | 5.52 | 1.96 | 142 | 2 | 62.3 | 10         |    |
| USAWH102 | -156.80 | 22 | -111.40 | 38.57 | 5.51 | 1.55 | 138 | 2 | 63.5 | 10         |    |
| VEN11VEN | -103.80 | 22 | -66.79  | 6.90  | 2.50 | 1.77 | 122 | 2 | 65.5 | 10         |    |

(Continuará.)

## MINISTERIO DE INDUSTRIA Y ENERGIA

### 14906 REAL DECRETO 834/1987, de 19 de junio, de regulación del Consejo Asesor para la Ciencia y la Tecnología.

La Ley 13/1986, de 14 de abril, de Fomento y Coordinación Científica y Técnica, crea en su artículo 9 el Consejo Asesor para la Ciencia y la Tecnología, con las funciones que el mismo artículo le encomienda, para promover la participación de los sectores científicos, económicos y sociales en la elaboración, seguimiento y evaluación de la programación general de las actividades mencionadas, y remite a una norma de rango reglamentario la determinación de su composición.

El principio que informa la regulación de dicha composición, objeto del presente Real Decreto, es el del adecuado equilibrio

representativo, entre los sectores mencionados y la Administración del Estado. Por otra parte, junto a la constitución del Consejo Asesor, se regulan aquellos aspectos organizativos y de funcionamiento precisos para que pueda desarrollar las funciones encomendadas.

En su virtud, a propuesta del Ministro de Industria y Energía, con la aprobación del Ministro para las Administraciones Públicas, de acuerdo con el Consejo de Estado y previa deliberación del Consejo de Ministros en su reunión del día 19 de junio de 1987.

DISPONGO:

## CAPITULO PRIMERO

## Disposiciones generales

Artículo 1.º *Definición y adscripción orgánica.*-1. El Consejo Asesor para la Ciencia y la Tecnología constituye el órgano consultivo de la Administración del Estado para la participación de la comunidad científica y de los agentes económicos y sociales en