```
START OF JOB SNSBPFD      22.12.03      14.26.47        VERSION 4.17         102520053  H      ng      01N
COORDINATION REQUEST CHECK AGAINST HARD LIMITS ONLY
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SNS **HARD LIMITS for IOMSAT-7 (102520053)** EXAMINATION REQUESTED BY : ng DATE: 22/12/03 14:26:47

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G        IOMSAT-7                89.00W  0.10 0.10                        27.03.02                                C 102.520053
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KUUR **44.0 DB** **POINTING ACC 0.10 DEG** **102.520053**

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EC                6000 KHZ    27.03.02                                                                          102.614427
   13.77500 G        6000 KHZ  6M00G7W--   8.6 DBW (MIN)   11.6 DBW (MAX)  -56.2 DBW/HZ                                0001
            ( 5) 5.503                                TYPICAL K8.0 METER     59.4  REC-580      OVERLAP   6.000 MHZ
            ALL WORLD                                                                   71.1    0.1   71.0
   13.77500 G        6000 KHZ  2M00G7W--   8.6 DBW (MIN)   11.6 DBW (MAX)  -51.4 DBW/HZ                                0001
            ( 5) 5.503                                TYPICAL K8.0 METER     59.4  REC-580      OVERLAP   6.000 MHZ
            ALL WORLD                                                                   71.1    0.1   71.0
EC                6000 KHZ    27.03.02                                                                          102.614428
   13.77500 G        6000 KHZ  6M00G7W--  13.6 DBW (MIN)   16.6 DBW (MAX)  -51.1 DBW/HZ                                0001
            ( 5) 5.503                                TYPICAL K4.5 METER     54.4  REC-580      OVERLAP   6.000 MHZ
            ALL WORLD                                                                   71.1    0.1   71.0
   13.77500 G        6000 KHZ  2M00G7W--  13.6 DBW (MIN)   16.6 DBW (MAX)  -46.4 DBW/HZ                                0001
            ( 5) 5.503                                TYPICAL K4.5 METER     54.4  REC-580      OVERLAP   6.000 MHZ
            ALL WORLD                                                                   71.1    0.1   71.0
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K1R 44.0 DB POINTING ACC 0.10 DEG 102.520053

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EC              50000 KHZ    27.03.02                                                                                  102.614439
   12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
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12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC           50000 KHZ    27.03.02                                                                        102.614440
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
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         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
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12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC           50000 KHZ    27.03.02                                                                        102.614441
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0002
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          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                        102.614442
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
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         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0003
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          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                        102.614443
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
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          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0003
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0003
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0003
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0003
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0003
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0003
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0004
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0004
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0004
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0004
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0004
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0004
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EK ER           4000 KHZ    27.03.02                                                                   102.614444
12.50200 G        4000 KHZ  144KG9D-- -10.0 DBW  -61.6 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -144.9    3.1 -148.0
12.50200 G        4000 KHZ  200KG8X-- -10.0 DBW  -63.0 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -146.3    1.7 -148.0
12.50200 G        4000 KHZ  200KG9D-- -10.0 DBW  -63.0 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -146.3    1.7 -148.0
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EK              4000 KHZ    27.03.02                                                                                    102.614445
   12.50200 G        4000 KHZ  144KG9D-- -10.0 DBW  -61.6 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -144.9    3.1 -148.0
   12.50200 G        4000 KHZ  200KG8X-- -10.0 DBW  -63.0 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -146.3    1.7 -148.0
   12.50200 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -137.3   10.7 -148.0
EC             50000 KHZ    27.03.02                                                                                    102.644399
   12.72500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC             50000 KHZ    27.03.02                                                                                    102.644400
   12.72500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
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          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                          102.644401
   12.72500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                          102.644402
   12.72500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                          102.644403
   12.72500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                  0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                  0001
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          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
   12.72500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -138.8    9.2 -148.0
EK ER           4000 KHZ    27.03.02                                                                        102.644404
   12.74800 G        4000 KHZ  144KG9D-- -10.0 DBW  -61.6 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -144.9    3.1 -148.0
   12.74800 G        4000 KHZ  200KG8X-- -10.0 DBW  -63.0 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -146.3    1.7 -148.0
   12.74800 G        4000 KHZ  200KG9D-- -10.0 DBW  -63.0 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -146.3    1.7 -148.0
EK              4000 KHZ    27.03.02                                                                        102.644405
   12.74800 G        4000 KHZ  144KG9D-- -10.0 DBW  -61.6 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -144.9    3.1 -148.0
   12.74800 G        4000 KHZ  200KG8X-- -10.0 DBW  -63.0 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -146.3    1.7 -148.0
   12.74800 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    012W51 09N53 GUI       44.0 -137.3   10.7 -148.0
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K3R 44.0 DB POINTING ACC 0.10 DEG 102.520053

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EK                4000 KHZ    27.03.02                                                                                  102.614459
   12.20200 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 3                                          165W26 11S32 TKL       44.0 -137.3   10.7 -148.0
   12.25200 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 3                                          165W26 11S32 TKL       44.0 -137.3   10.7 -148.0
   12.49800 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 3                                          165W26 11S32 TKL       44.0 -137.3   10.7 -148.0
   12.50200 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                          0004
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3     165W26 11S32 TKL       44.0 -137.3   10.7 -148.0
EK                4000 KHZ    27.03.02                                                                                  102.644412
   12.74800 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3     165W26 11S32 TKL       44.0 -137.3   10.7 -148.0
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KUDR 44.0 DB POINTING ACC 0.10 DEG 102.520053

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EK                4000 KHZ    27.03.02                                                                                    102.614486
   10.95200 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                              0001
            ( 6) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            ALL WORLD                                        085W30 76N19 CAN       44.0 -137.3   12.7 -150.0
   11.19800 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                              0002
            ( 6) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            ALL WORLD                                        085W30 76N19 CAN       44.0 -137.3   12.7 -150.0
   11.45200 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                              0003
            ( 6) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            ALL WORLD                                        085W30 76N19 CAN       44.0 -137.3   12.7 -150.0
   11.69800 G        4000 KHZ  25K0N0N-- -10.0 DBW  -54.0 DBW/HZ                                                              0004
            ( 6) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
            ALL WORLD                                        085W30 76N19 CAN       44.0 -137.3   12.7 -150.0
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PROGRAM SNSBPFD TERMINATED OK.