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START OF JOB SNSBPFD      14.01.04      14.10.45        VERSION 4.17         102520047  H      ng      01N
COORDINATION REQUEST CHECK AGAINST HARD LIMITS ONLY
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SNS **HARD LIMITS for IOMSAT-1 (102520047)** EXAMINATION REQUESTED BY : ng DATE: 14/01/04 14:10:45

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  G        IOMSAT-1                9.90E  0.10 0.10                        27.03.02                                C 102.520047
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KUUR **44.0 DB** **POINTING ACC 0.10 DEG** **102.520047**

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  EC                6000 KHZ    27.03.02                                                                          102.608503
     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                                                                          102.608504
     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 102.520047

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EK                4000 KHZ    27.03.02                                                                    102.608521
   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    080E33 45N06 CHN       40.0 -141.3    6.7 -148.0
EK                4000 KHZ    27.03.02                                                                    102.643614
   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    080E33 45N06 CHN       40.0 -141.3    6.7 -148.0
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K3R 44.0 DB POINTING ACC 0.10 DEG 102.520047

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EC              50000 KHZ    27.03.02                                                                                    102.608529
   12.22500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                          0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                          0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.32500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.32500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.32500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                          0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                  REF. BW   0.004 MHZ
            REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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12.32500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
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         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0008
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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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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   12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                                  0010
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                                  0010
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC              50000 KHZ    27.03.02                                                                                     102.608530
   12.22500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                                  0001
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                                  0002
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.32500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                                  0003
            ( 7) RR 21.16            FIXED-SATELLITE                                                 REF. BW   0.004 MHZ
            REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.32500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                                  0003
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         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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12.42500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0010
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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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0010
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0010
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                          102.608531
   12.22500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.22500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0001
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.27500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0002
          ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
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         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0005
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         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                   102.608532
12.22500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0001
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0002
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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12.27500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
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         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0005
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                        085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0007
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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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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12.67500 G       50000 KHZ  18M0F9W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0010
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC           50000 KHZ    27.03.02                                                                   102.608533
12.22500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.22500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0001
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.27500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0002
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                         085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0003
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         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.32500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0003
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.37500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0004
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.42500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0005
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                                REF. BW   0.004 MHZ
         REGION 3                                     085E17 20N34 IND       44.0 -138.8    9.2 -148.0
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12.47500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.47500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0006
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 3                                    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.52500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0007
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.57500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                    0008
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                    0009
         ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
         REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
12.62500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                    0009
         ( 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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.62500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0009
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.62500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0009
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  50M0G7W--  21.5 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  36M0G7W--  20.1 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  22M0G7W--  17.9 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  6M00G7W--  12.3 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  2M00G7W--   7.5 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
   12.67500 G       50000 KHZ  44K0G1D--  -9.0 DBW  -55.5 DBW/HZ                                                0010
          ( 7) RR 21.16            FIXED-SATELLITE                                          REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EK             4000 KHZ    27.03.02                                                                     102.608535
   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                                         085E17 20N34 IND       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                                         085E17 20N34 IND       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                                         085E17 20N34 IND       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    085E17 20N34 IND       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            BROADCASTING-SATELLITE                                   REF. BW   0.004 MHZ
          REGION 1 CTYS OF 5.494 AND 5.496                 080E13 42N14 KGZ       40.0 -141.2    6.4 -147.6
EC            50000 KHZ    27.03.02                                                                     102.643615
   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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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
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          REGION 1 CTYS OF 5.494 AND 5.496 AND REGION 3    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                     102.643616
   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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                     102.643617
   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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC            50000 KHZ    27.03.02                                                                     102.643618
   12.72500 G       50000 KHZ  36M0F9W--   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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EC              50000 KHZ    27.03.02                                                                        102.643619
   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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       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    085E17 20N34 IND       44.0 -138.8    9.2 -148.0
EK               4000 KHZ    27.03.02                                                                        102.643621
   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    085E17 20N34 IND       44.0 -137.3   10.7 -148.0
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KUDR 44.0 DB POINTING ACC 0.10 DEG 102.520047

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EK                4000 KHZ    27.03.02                                                                                    102.608560
   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                                        066W08 11N49 VEN       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                                        066W08 11N49 VEN       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                                        066W08 11N49 VEN       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                                        066W08 11N49 VEN       44.0 -137.3   12.7 -150.0
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PROGRAM SNSBPFD TERMINATED OK.