

START OF JOB SNSBPF 15.01.04 15.25.50 VERSION 4.17 100520159 H karina 01N  
 COORDINATION REQUEST CHECK AGAINST HARD LIMITS ONLY

SNS **HARD LIMITS for VINASAT-1C (100520159)** EXAMINATION REQUESTED BY : karina DATE: 15/01/04 15:25:50

| VTN        | VINASAT-1C     | 107.00E             | 0.10            | 0.10            | 05.06.00     |         |           |                   | C 100.520159 |
|------------|----------------|---------------------|-----------------|-----------------|--------------|---------|-----------|-------------------|--------------|
| <b>RK1</b> | <b>39.0 DB</b> | <b>POINTING ACC</b> | <b>0.05 DEG</b> |                 |              |         |           | <b>100.520159</b> |              |
| EC         | 36000 KHZ      | 05.06.00            |                 |                 |              |         |           |                   | 100.637587   |
| 13.76800   | G 36000 KHZ    | 36M0F9W--           | -5.6 DBW (MIN)  | 28.7 DBW (MAX)  | -37.3 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-4.5M | 54.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 82.9         | 11.9    | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 27M0G9W--           | -5.6 DBW (MIN)  | 28.9 DBW (MAX)  | -43.3 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-4.5M | 54.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 78.7         | 7.7     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 8M00G9W--           | -10.0 DBW (MIN) | 26.0 DBW (MAX)  | -43.0 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-4.5M | 54.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 79.0         | 8.0     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 2M00G9W--           | -18.8 DBW (MIN) | 23.8 DBW (MAX)  | -36.5 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-4.5M | 54.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 78.0         | 7.0     | 71.0      |                   |              |
| EC         | 36000 KHZ      | 05.06.00            |                 |                 |              |         |           |                   | 100.637588   |
| 13.76800   | G 36000 KHZ    | 36M0F9W--           | -8.1 DBW (MIN)  | 20.5 DBW (MAX)  | -45.5 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-6M   | 56.7 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 77.2         | 6.2     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 27M0G9W--           | -8.1 DBW (MIN)  | 20.7 DBW (MAX)  | -51.6 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-6M   | 56.7 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 72.9         | 1.9     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 8M00G9W--           | -12.6 DBW (MIN) | 17.8 DBW (MAX)  | -51.2 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-6M   | 56.7 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 73.3         | 2.3     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 2M00G9W--           | -21.3 DBW (MIN) | 15.7 DBW (MAX)  | -44.6 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-6M   | 56.7 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 72.4         | 1.4     | 71.0      |                   |              |
| EC         | 36000 KHZ      | 05.06.00            |                 |                 |              |         |           |                   | 100.637589   |
| 13.76800   | G 36000 KHZ    | 36M0F9W--           | -10.0 DBW (MIN) | 18.0 DBW (MAX)  | -48.0 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-7.5M | 58.6 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 76.6         | 5.6     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 27M0G9W--           | -10.0 DBW (MIN) | 18.2 DBW (MAX)  | -54.0 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-7.5M | 58.6 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 72.4         | 1.4     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 8M00G9W--           | -14.5 DBW (MIN) | 15.3 DBW (MAX)  | -53.7 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-7.5M | 58.6 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 72.7         | 1.7     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 2M00G9W--           | -23.2 DBW (MIN) | 13.1 DBW (MAX)  | -47.2 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-7.5M | 58.6 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 71.7         | 0.7     | 71.0      |                   |              |
| EC         | 36000 KHZ      | 05.06.00            |                 |                 |              |         |           |                   | 100.637590   |
| 13.76800   | G 36000 KHZ    | 36M0F9W--           | -11.6 DBW (MIN) | 15.8 DBW (MAX)  | -50.2 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-9M   | 60.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 76.0         | 5.0     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 27M0G9W--           | -11.6 DBW (MIN) | 16.0 DBW (MAX)  | -56.3 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-9M   | 60.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 71.7         | 0.7     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 8M00G9W--           | -16.1 DBW (MIN) | 13.1 DBW (MAX)  | -55.9 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-9M   | 60.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 72.1         | 1.1     | 71.0      |                   |              |
| 13.76800   | G 36000 KHZ    | 2M00G9W--           | -24.8 DBW (MIN) | 10.9 DBW (MAX)  | -49.4 DBW/HZ |         |           |                   | 0001         |
|            | ( 5) 5.503     |                     |                 | TYPICAL-KU-9M   | 60.2 REC-580 | OVERLAP | 6.000 MHZ |                   |              |
|            | ALL WORLD      |                     |                 |                 | 71.1         | 0.1     | 71.0      |                   |              |

|    |          |           |           |           |                 |                 |              |  |  |  |  |  |  |  |  |  |  |  |  |            |
|----|----------|-----------|-----------|-----------|-----------------|-----------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|------------|
| EC |          | 36000 KHZ | 05.06.00  |           |                 |                 |              |  |  |  |  |  |  |  |  |  |  |  |  | 100.637592 |
|    | 13.78200 | G         | 36000 KHZ | 36M0F9W-- | -5.6 DBW (MIN)  | 28.7 DBW (MAX)  | -37.3 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-4.5M | 54.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 82.9         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 27M0G9W-- | -5.6 DBW (MIN)  | 28.9 DBW (MAX)  | -43.3 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-4.5M | 54.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 78.7         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 8M00G9W-- | -10.1 DBW (MIN) | 26.0 DBW (MAX)  | -43.0 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-4.5M | 54.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 79.0         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 2M00G9W-- | -18.8 DBW (MIN) | 23.8 DBW (MAX)  | -36.5 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-4.5M | 54.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 78.0         |  |  |  |  |  |  |  |  |  |  |  |  |            |
| EC |          | 36000 KHZ | 05.06.00  |           |                 |                 |              |  |  |  |  |  |  |  |  |  |  |  |  | 100.637593 |
|    | 13.78200 | G         | 36000 KHZ | 36M0F9W-- | -8.1 DBW (MIN)  | 20.5 DBW (MAX)  | -45.5 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-6M   | 56.7 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 77.2         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 27M0G9W-- | -8.1 DBW (MIN)  | 20.7 DBW (MAX)  | -51.6 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-6M   | 56.7 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 72.9         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 8M00G9W-- | -12.6 DBW (MIN) | 17.8 DBW (MAX)  | -51.2 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-6M   | 56.7 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 73.3         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 2M00G9W-- | -21.3 DBW (MIN) | 15.7 DBW (MAX)  | -44.7 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-6M   | 56.7 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 72.4         |  |  |  |  |  |  |  |  |  |  |  |  |            |
| EC |          | 36000 KHZ | 05.06.00  |           |                 |                 |              |  |  |  |  |  |  |  |  |  |  |  |  | 100.637594 |
|    | 13.78200 | G         | 36000 KHZ | 36M0F9W-- | -10.0 DBW (MIN) | 18.0 DBW (MAX)  | -48.0 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-7.5M | 58.6 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 76.6         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 27M0G9W-- | -10.0 DBW (MIN) | 18.2 DBW (MAX)  | -54.0 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-7.5M | 58.6 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 72.4         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 8M00G9W-- | -14.5 DBW (MIN) | 15.3 DBW (MAX)  | -53.7 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-7.5M | 58.6 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 72.7         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 2M00G9W-- | -23.2 DBW (MIN) | 13.1 DBW (MAX)  | -47.2 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-7.5M | 58.6 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 71.7         |  |  |  |  |  |  |  |  |  |  |  |  |            |
| EC |          | 36000 KHZ | 05.06.00  |           |                 |                 |              |  |  |  |  |  |  |  |  |  |  |  |  | 100.637595 |
|    | 13.78200 | G         | 36000 KHZ | 36M0F9W-- | -11.6 DBW (MIN) | 15.8 DBW (MAX)  | -50.2 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-9M   | 60.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 76.0         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 27M0G9W-- | -11.6 DBW (MIN) | 16.0 DBW (MAX)  | -56.3 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-9M   | 60.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 71.7         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 8M00G9W-- | -16.1 DBW (MIN) | 13.1 DBW (MAX)  | -55.9 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-9M   | 60.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 72.1         |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    | 13.78200 | G         | 36000 KHZ | 2M00G9W-- | -24.8 DBW (MIN) | 10.9 DBW (MAX)  | -49.4 DBW/HZ |  |  |  |  |  |  |  |  |  |  |  |  | 0001       |
|    |          | ( 5)      | 5.503     |           |                 | TYPICAL-KU-9M   | 60.2 REC-580 |  |  |  |  |  |  |  |  |  |  |  |  |            |
|    |          | ALL WORLD |           |           |                 |                 | 71.1         |  |  |  |  |  |  |  |  |  |  |  |  |            |

| 2XR        | 35.0 DB       | POINTING ACC | 0.05 DEG                                     | 100.520159  |  |                   |  |            |
|------------|---------------|--------------|--|-------------|--|-------------------|--|------------|
| EC         | 40000 KHZ     | 05.06.00     |  |             |  |                   |  | 100.637708 |
| 7280.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0001       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE AND MOBILE-SATELLITE         |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7320.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0002       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE AND MOBILE-SATELLITE         |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7360.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0003       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE AND MOBILE-SATELLITE         |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7400.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0004       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE                              |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7440.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0005       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE                              |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7480.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0006       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE AND METEOROLOGICAL-SATELLITE |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7520.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0007       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE AND METEOROLOGICAL-SATELLITE |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |
| 7560.00000 | M 40000 KHZ   | 36M0F9W--    | 17.3 DBW -48.7 DBW/HZ                        |             |  |                   |  | 0008       |
|            | ( 5) RR 21.16 |              | FIXED-SATELLITE AND METEOROLOGICAL-SATELLITE |             |  | REF. BW 0.004 MHZ |  |            |
|            | ALL WORLD     |              | 060E27 69N55 RUS                             | 35.0 -141.0 |  | 11.0 -152.0       |  |            |

| TK1      | 39.0 DB POINTING ACC 0.05 DEG |                 |                       | 100.520159       |                   |  |            |
|----------|-------------------------------|-----------------|-----------------------|------------------|-------------------|--|------------|
| EC       | 36000 KHZ                     | 05.06.00        |                       |                  |                   |  | 100.637637 |
| 10.96800 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ |                  |                   |  | 0001       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.00800 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0002       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.04800 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0003       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.08800 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0004       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.12800 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0005       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.16800 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0006       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| EC       | 36000 KHZ                     | 05.06.00        |                       |                  |                   |  | 100.637642 |
| 10.98200 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ |                  |                   |  | 0001       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.02200 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0002       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.06200 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0003       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.10200 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0004       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.14200 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0005       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |
| 11.18200 | G 36000 KHZ                   | 36M0F9W--       | 17.0 DBW -49.0 DBW/HZ | 38.9 -136.3      |                   |  | 0006       |
|          | ( 6) RR 21.16                 | FIXED-SATELLITE |                       |                  | REF. BW 0.004 MHZ |  |            |
|          | ALL WORLD                     |                 |                       | 105E17 16N57 LAO | 3.7 -140.0        |  |            |

| TK2      | 39.0 DB       | POINTING ACC    | 0.05 DEG              | 100.520159 |
|----------|---------------|-----------------|-----------------------|------------|
| EC       | 36000 KHZ     | 05.06.00        |                       | 100.637647 |
| 11.46800 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0001       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.50800 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0002       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.54800 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0003       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.58800 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0004       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.62800 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0005       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.66800 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0006       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| EC       | 36000 KHZ     | 05.06.00        |                       | 100.637652 |
| 11.48200 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0001       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.52200 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0002       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.56200 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0003       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.60200 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0004       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.64200 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0005       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |
| 11.68200 | G 36000 KHZ   | 36M0F9W--       | 15.7 DBW -50.3 DBW/HZ | 0006       |
|          | ( 6) RR 21.16 | FIXED-SATELLITE |                       |            |
|          | ALL WORLD     |                 | 101E39 16N12 THA      |            |

□ PROGRAM SNSBPFD TERMINATED OK.