

EXHIBITS 8 THROUGH 28

25.222(b)(1)(i) Tables for Sea Tel Antennas

Exhibits 8, 9 and 10 are the 25.222(b)(1)(i) tables for the model 4003 and 4006/4009/4010 1 meter Ku-band antennas;

Exhibits 11, 12 and 13 are the 25.222(b)(1)(i) tables for the model 4996T and 5009/5010 1.2 meter Ku-band antennas and the Ku-band side of the 9711 QOR antennas;

Exhibits 14, 15 and 16 are the 25.222(b)(1)(i) tables for the model 6006/6009 1.5 meter Ku-band antennas

Exhibits 17, 18 and 19 are the 25.222(b)(1)(i) tables for the model 9797/9711 2.4 meter Ku-band antennas

Exhibits 20, 21 and 22 are the 25.222(b)(1)(i) tables for the model USAT30/3011 0.75 meter Ku-band antennas

Exhibits 23, 24 and 25 are the 25.222(b)(1)(i) tables for the model 3612 0.9 meter Ku-band antennas

Exhibits 26, 27 and 28 are the 25.222(b)(1)(i) tables for the model 4012 1.06 meter Ku-band antennas

8

Cobham SATCOM, Sea Tel Products

1.0m EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (A)

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-20.2	-7.0
-9.9	-18.8	-6.9
-9.8	-17.5	-6.8
-9.7	-16.8	-6.7
-9.6	-16.2	-6.6
-9.5	-16.0	-6.4
-9.4	-16.1	-6.3
-9.3	-16.2	-6.2
-9.2	-16.3	-6.1
-9.1	-16.4	-6.0
-9.0	-16.7	-6.0
-8.9	-17.0	-6.0
-8.8	-17.9	-6.0
-8.7	-18.7	-6.0
-8.6	-19.4	-6.0
-8.5	-19.8	-6.0
-8.4	-19.9	-6.0
-8.3	-19.9	-6.0
-8.2	-19.9	-6.0
-8.1	-19.6	-6.0
-8.0	-18.6	-6.0
-7.9	-17.6	-6.0
-7.8	-16.9	-6.0
-7.7	-16.3	-6.0
-7.6	-15.9	-6.0
-7.5	-14.8	-6.0
-7.4	-13.4	-6.0
-7.3	-12.2	-6.0
-7.2	-11.2	-6.0
-7.1	-10.5	-6.0
-7.0	-10.1	-6.0
-6.9	-9.9	-6.0
-6.8	-10.1	-5.8
-6.7	-10.6	-5.7
-6.6	-11.4	-5.5
-6.5	-13.0	-5.3
-6.4	-15.7	-5.2
-6.3	-18.6	-5.0
-6.2	-22.1	-4.8
-6.1	-22.6	-4.6
-6.0	-21.4	-4.5
-5.9	-20.4	-4.3
-5.8	-19.9	-4.1
-5.7	-19.3	-3.9
-5.6	-17.6	-3.7
-5.5	-15.3	-3.5
-5.4	-12.8	-3.3
-5.3	-10.7	-3.1
-5.2	-8.9	-2.9
-5.1	-7.3	-2.7
-5.0	-6.3	-2.5
-4.9	-5.6	-2.3
-4.8	-5.1	-2.0
-4.7	-4.9	-1.8
-4.6	-4.8	-1.6
-4.5	-4.7	-1.3
-4.4	-4.9	-1.1
-4.3	-5.2	-0.8

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	24.4	
0.1	24.3	
0.2	24.1	
0.3	23.8	
0.4	23.4	
0.5	22.9	
0.6	22.3	
0.7	21.3	
0.8	20.5	
0.9	19.4	
1.0	18.0	
1.1	16.8	
1.2	14.8	
1.3	12.7	
1.4	10.4	
1.5	7.0	10.6
1.6	3.2	9.9
1.7	-2.9	9.2
1.8	-18.1	8.6
1.9	-7.7	8.0
2.0	-1.3	7.5
2.1	1.1	6.9
2.2	2.5	6.4
2.3	3.4	6.0
2.4	3.6	5.5
2.5	3.3	5.1
2.6	2.6	4.6
2.7	1.9	4.2
2.8	0.8	3.8
2.9	-0.2	3.4
3.0	-1.2	3.1
3.1	-2.4	2.7
3.2	-3.4	2.4
3.3	-4.5	2.0
3.4	-5.6	1.7
3.5	-6.6	1.4
3.6	-7.2	1.1
3.7	-7.5	0.8
3.8	-7.3	0.5
3.9	-6.6	0.2
4.0	-5.9	-0.1
4.1	-5.0	-0.3
4.2	-4.3	-0.6
4.3	-4.0	-0.8
4.4	-4.0	-1.1
4.5	-4.2	-1.3
4.6	-4.5	-1.6
4.7	-4.8	-1.8
4.8	-5.2	-2.0
4.9	-5.8	-2.3
5.0	-6.7	-2.5
5.1	-7.7	-2.7
5.2	-9.2	-2.9
5.3	-10.5	-3.1
5.4	-11.9	-3.3
5.5	-13.7	-3.5
5.6	-15.2	-3.7
5.7	-17.6	-3.9

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1.0m EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (A)

-4.2	-5.7	-0.6
-4.1	-6.6	-0.3
-4.0	-7.6	-0.1
-3.9	-8.6	0.2
-3.8	-9.7	0.5
-3.7	-10.4	0.8
-3.6	-10.7	1.1
-3.5	-10.3	1.4
-3.4	-9.6	1.7
-3.3	-7.9	2.0
-3.2	-6.0	2.4
-3.1	-4.3	2.7
-3.0	-2.3	3.1
-2.9	-0.8	3.4
-2.8	0.7	3.8
-2.7	1.9	4.2
-2.6	2.6	4.6
-2.5	3.2	5.1
-2.4	3.2	5.5
-2.3	2.9	6.0
-2.2	1.7	6.4
-2.1	0.2	6.9
-2.0	-3.5	7.5
-1.9	-11.3	8.0
-1.8	-6.5	8.6
-1.7	1.8	9.2
-1.6	6.2	9.9
-1.5	9.3	10.6
-1.4	12.3	
-1.3	14.2	
-1.2	16.1	
-1.1	17.6	
-1.0	18.8	
-0.9	20.1	
-0.8	21.0	
-0.7	21.9	
-0.6	22.6	
-0.5	23.1	
-0.4	23.6	
-0.3	24.0	
-0.2	24.2	
-0.1	24.4	
0.0	24.4	

5.8	-21.5	-4.1
5.9	-26.3	-4.3
6.0	-27.0	-4.5
6.1	-21.2	-4.6
6.2	-17.7	-4.8
6.3	-15.5	-5.0
6.4	-14.4	-5.2
6.5	-13.7	-5.3
6.6	-13.3	-5.5
6.7	-12.8	-5.7
6.8	-12.0	-5.8
6.9	-11.4	-6.0
7.0	-11.1	-6.1
7.1	-11.2	-6.0
7.2	-11.4	-6.0
7.3	-11.9	-6.0
7.4	-12.4	-6.0
7.5	-12.9	-6.0
7.6	-14.3	-6.0
7.7	-16.2	-6.0
7.8	-19.3	-6.0
7.9	-23.8	-6.0
8.0	-27.6	-6.0
8.1	-26.7	-6.0
8.2	-23.6	-6.0
8.3	-21.9	-6.0
8.4	-20.6	-6.0
8.5	-20.1	-6.0
8.6	-19.7	-6.0
8.7	-19.6	-6.0
8.8	-19.8	-6.0
8.9	-20.0	-6.0
9.0	-20.0	-6.0
9.1	-19.4	-6.0
9.2	-18.6	-6.0
9.3	-17.5	-6.2
9.4	-16.7	-6.3
9.5	-16.3	-6.4
9.6	-16.3	-6.6
9.7	-17.0	-6.7
9.8	-18.3	-6.8
9.9	-20.0	-6.9
10.0	-22.8	-7.0



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1.0m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-180.0	-41.9	-24.0
-179.0	-45.1	-24.0
-178.0	-44.0	-24.0
-177.0	-51.5	-24.0
-176.0	-44.9	-24.0
-175.0	-49.7	-24.0
-174.0	-41.5	-24.0
-173.0	-45.4	-24.0
-172.0	-49.6	-24.0
-171.0	-49.0	-24.0
-170.0	-44.6	-24.0
-169.0	-47.3	-24.0
-168.0	-44.9	-24.0
-167.0	-44.3	-24.0
-166.0	-50.7	-24.0
-165.0	-46.9	-24.0
-164.0	-43.6	-24.0
-163.0	-50.0	-24.0
-162.0	-44.9	-24.0
-161.0	-46.7	-24.0
-160.0	-42.9	-24.0
-159.0	-44.5	-24.0
-158.0	-44.0	-24.0
-157.0	-45.6	-24.0
-156.0	-43.4	-24.0
-155.0	-44.9	-24.0
-154.0	-42.5	-24.0
-153.0	-43.7	-24.0
-152.0	-44.2	-24.0
-151.0	-44.5	-24.0
-150.0	-43.3	-24.0
-149.0	-45.8	-24.0
-148.0	-42.9	-24.0
-147.0	-43.5	-24.0
-146.0	-44.3	-24.0
-145.0	-43.7	-24.0
-144.0	-42.7	-24.0
-143.0	-46.0	-24.0
-142.0	-42.9	-24.0
-141.0	-42.4	-24.0
-140.0	-43.5	-24.0
-139.0	-44.8	-24.0
-138.0	-42.5	-24.0
-137.0	-46.2	-24.0
-136.0	-43.7	-24.0
-135.0	-44.3	-24.0
-134.0	-47.1	-24.0
-133.0	-41.9	-24.0
-132.0	-44.0	-24.0
-131.0	-45.3	-24.0
-130.0	-42.9	-24.0
-129.0	-44.7	-24.0
-128.0	-46.2	-24.0
-127.0	-42.7	-24.0
-126.0	-42.6	-24.0
-125.0	-48.0	-24.0
-124.0	-41.3	-24.0
-123.0	-44.0	-24.0
-122.0	-45.6	-24.0

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	24.4	
1.0	20.0	
2.0	2.9	7.5
3.0	0.3	3.1
4.0	-4.2	-0.1
5.0	-5.5	-2.5
6.0	-16.6	-4.5
7.0	-11.1	-6.1
8.0	-21.5	-6.0
9.0	-18.0	-6.0
10.0	-19.2	-7.0
11.0	-30.5	-8.0
12.0	-17.4	-9.0
13.0	-21.4	-9.8
14.0	-19.8	-10.7
15.0	-22.0	-11.4
16.0	-35.1	-12.1
17.0	-26.3	-12.8
18.0	-28.2	-13.4
19.0	-30.4	-14.0
20.0	-40.4	-14.5
21.0	-32.2	-15.1
22.0	-27.0	-15.6
23.0	-35.3	-16.0
24.0	-31.5	-16.5
25.0	-21.8	-16.9
26.0	-19.4	-17.4
27.0	-21.8	-17.8
28.0	-26.2	-18.2
29.0	-26.6	-18.6
30.0	-26.3	-18.9
31.0	-28.6	-19.3
32.0	-23.2	-19.6
33.0	-22.2	-20.0
34.0	-28.4	-20.3
35.0	-30.3	-20.6
36.0	-25.7	-20.9
37.0	-24.4	-21.2
38.0	-24.6	-21.5
39.0	-24.2	-21.8
40.0	-25.6	-22.1
41.0	-23.9	-22.3
42.0	-23.4	-22.6
43.0	-24.0	-22.8
44.0	-29.9	-23.1
45.0	-32.5	-23.3
46.0	-28.4	-23.6
47.0	-28.9	-23.8
48.0	-32.1	-24.0
49.0	-43.9	-24.0
50.0	-37.0	-24.0
51.0	-34.3	-24.0
52.0	-37.0	-24.0
53.0	-36.2	-24.0
54.0	-32.4	-24.0
55.0	-28.5	-24.0
56.0	-27.9	-24.0
57.0	-28.5	-24.0
58.0	-29.4	-24.0

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1.0m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-121.0	-43.2	-24.0
-120.0	-45.1	-24.0
-119.0	-51.5	-24.0
-118.0	-43.7	-24.0
-117.0	-41.7	-24.0
-116.0	-47.7	-24.0
-115.0	-41.8	-24.0
-114.0	-43.5	-24.0
-113.0	-47.4	-24.0
-112.0	-43.2	-24.0
-111.0	-42.5	-24.0
-110.0	-51.6	-24.0
-109.0	-41.1	-24.0
-108.0	-41.2	-24.0
-107.0	-51.7	-24.0
-106.0	-39.7	-24.0
-105.0	-39.2	-24.0
-104.0	-44.2	-24.0
-103.0	-40.8	-24.0
-102.0	-38.1	-24.0
-101.0	-40.3	-24.0
-100.0	-50.8	-24.0
-99.0	-40.0	-24.0
-98.0	-38.1	-24.0
-97.0	-40.4	-24.0
-96.0	-45.1	-24.0
-95.0	-36.8	-24.0
-94.0	-35.9	-24.0
-93.0	-40.7	-24.0
-92.0	-40.5	-24.0
-91.0	-34.6	-24.0
-90.0	-34.3	-24.0
-89.0	-38.4	-24.0
-88.0	-39.6	-24.0
-87.0	-33.2	-24.0
-86.0	-32.4	-24.0
-85.0	-35.1	-24.0
-84.0	-40.8	-24.0
-83.0	-35.0	-24.0
-82.0	-31.2	-24.0
-81.0	-31.2	-24.0
-80.0	-34.5	-24.0
-79.0	-42.6	-24.0
-78.0	-34.4	-24.0
-77.0	-30.9	-24.0
-76.0	-30.1	-24.0
-75.0	-32.0	-24.0
-74.0	-39.3	-24.0
-73.0	-38.3	-24.0
-72.0	-33.0	-24.0
-71.0	-32.6	-24.0
-70.0	-34.1	-24.0
-69.0	-44.2	-24.0
-68.0	-45.0	-24.0
-67.0	-42.5	-24.0
-66.0	-41.3	-24.0
-65.0	-43.1	-24.0
-64.0	-36.3	-24.0
-63.0	-34.9	-24.0
-62.0	-34.9	-24.0
-61.0	-34.4	-24.0
-60.0	-34.4	-24.0

59.0	-31.0	-24.0
60.0	-32.2	-24.0
61.0	-31.6	-24.0
62.0	-32.3	-24.0
63.0	-32.7	-24.0
64.0	-33.7	-24.0
65.0	-39.3	-24.0
66.0	-41.7	-24.0
67.0	-42.1	-24.0
68.0	-48.3	-24.0
69.0	-42.7	-24.0
70.0	-34.7	-24.0
71.0	-32.3	-24.0
72.0	-33.3	-24.0
73.0	-36.4	-24.0
74.0	-40.8	-24.0
75.0	-33.9	-24.0
76.0	-31.4	-24.0
77.0	-31.7	-24.0
78.0	-35.6	-24.0
79.0	-47.1	-24.0
80.0	-35.9	-24.0
81.0	-32.7	-24.0
82.0	-32.9	-24.0
83.0	-35.7	-24.0
84.0	-46.6	-24.0
85.0	-35.9	-24.0
86.0	-34.1	-24.0
87.0	-35.3	-24.0
88.0	-41.6	-24.0
89.0	-39.9	-24.0
90.0	-35.6	-24.0
91.0	-35.3	-24.0
92.0	-42.0	-24.0
93.0	-41.5	-24.0
94.0	-37.7	-24.0
95.0	-39.0	-24.0
96.0	-47.9	-24.0
97.0	-41.6	-24.0
98.0	-39.8	-24.0
99.0	-42.0	-24.0
100.0	-53.4	-24.0
101.0	-41.4	-24.0
102.0	-39.9	-24.0
103.0	-45.5	-24.0
104.0	-45.8	-24.0
105.0	-42.1	-24.0
106.0	-42.8	-24.0
107.0	-55.2	-24.0
108.0	-44.4	-24.0
109.0	-43.7	-24.0
110.0	-51.9	-24.0
111.0	-44.9	-24.0
112.0	-42.2	-24.0
113.0	-53.5	-24.0
114.0	-42.4	-24.0
115.0	-43.2	-24.0
116.0	-48.0	-24.0
117.0	-42.7	-24.0
118.0	-45.1	-24.0
119.0	-48.0	-24.0
120.0	-46.1	-24.0

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1.0m EIRPsd Data Table

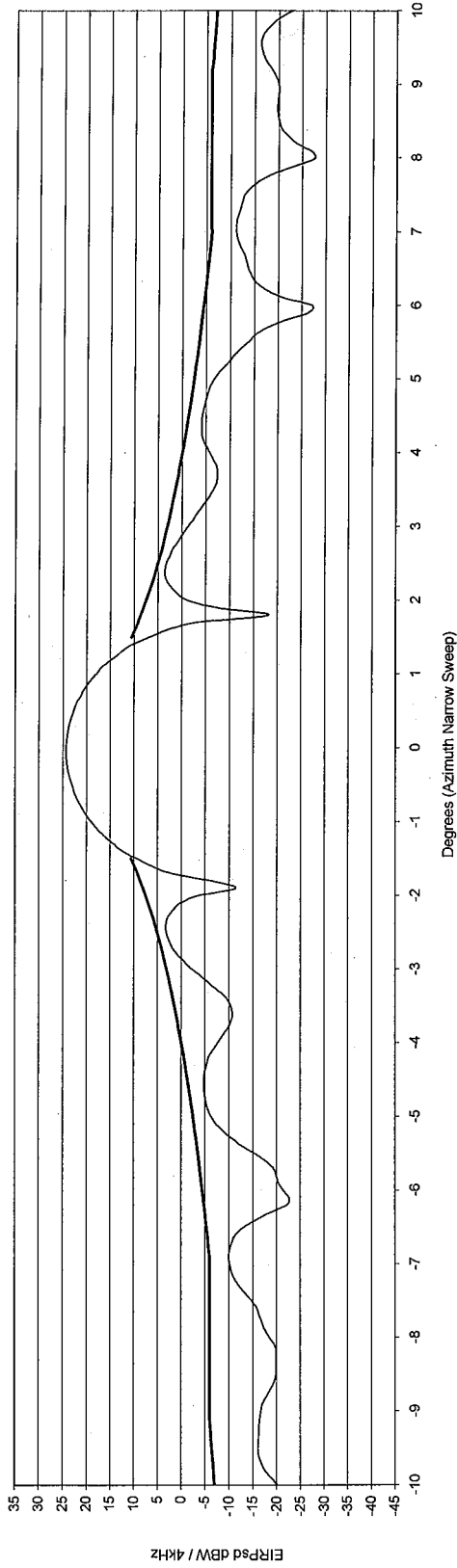
Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-59.0	-32.1	-24.0
-58.0	-29.6	-24.0
-57.0	-28.8	-24.0
-56.0	-27.6	-24.0
-55.0	-28.6	-24.0
-54.0	-31.6	-24.0
-53.0	-36.4	-24.0
-52.0	-37.3	-24.0
-51.0	-33.4	-24.0
-50.0	-34.5	-24.0
-49.0	-38.6	-24.0
-48.0	-32.7	-24.0
-47.0	-29.4	-23.8
-46.0	-28.9	-23.6
-45.0	-32.8	-23.3
-44.0	-30.7	-23.1
-43.0	-24.4	-22.8
-42.0	-24.2	-22.6
-41.0	-25.2	-22.3
-40.0	-26.2	-22.1
-39.0	-24.5	-21.8
-38.0	-24.1	-21.5
-37.0	-24.4	-21.2
-36.0	-26.0	-20.9
-35.0	-30.6	-20.6
-34.0	-27.7	-20.3
-33.0	-22.9	-20.0
-32.0	-24.5	-19.6
-31.0	-31.5	-19.3
-30.0	-26.7	-18.9
-29.0	-27.2	-18.6
-28.0	-25.4	-18.2
-27.0	-21.4	-17.8
-26.0	-19.7	-17.4
-25.0	-23.0	-16.9
-24.0	-30.2	-16.5
-23.0	-34.3	-16.0
-22.0	-30.9	-15.6
-21.0	-33.4	-15.1
-20.0	-35.6	-14.5
-19.0	-29.6	-14.0
-18.0	-27.1	-13.4
-17.0	-26.1	-12.8
-16.0	-33.5	-12.1
-15.0	-22.0	-11.4
-14.0	-20.1	-10.7
-13.0	-20.2	-9.8
-12.0	-17.5	-9.0
-11.0	-30.4	-8.0
-10.0	-17.2	-7.0
-9.0	-16.3	-6.0
-8.0	-16.6	-6.0
-7.0	-10.0	-6.0
-6.0	-19.6	-4.5
-5.0	-5.0	-2.5
-4.0	-6.2	-0.1
-3.0	1.3	3.1
-2.0	1.0	7.5
-1.0	21.5	
0.0	24.4	

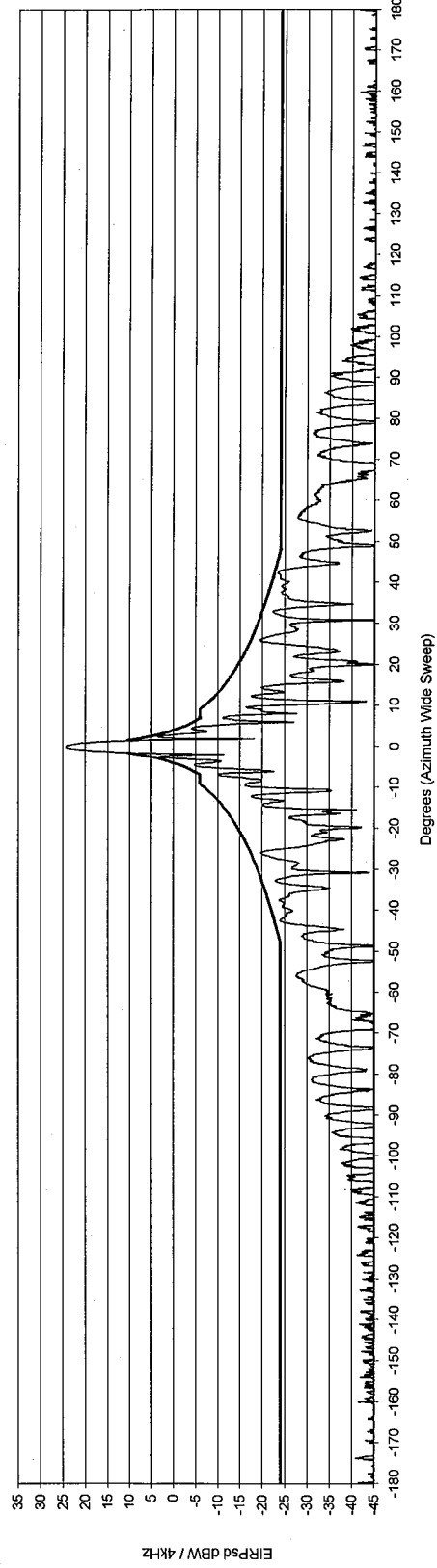
121.0	-46.1	-24.0
122.0	-47.3	-24.0
123.0	-44.8	-24.0
124.0	-42.8	-24.0
125.0	-51.9	-24.0
126.0	-43.9	-24.0
127.0	-43.9	-24.0
128.0	-49.0	-24.0
129.0	-45.0	-24.0
130.0	-47.5	-24.0
131.0	-44.4	-24.0
132.0	-46.1	-24.0
133.0	-43.9	-24.0
134.0	-52.2	-24.0
135.0	-43.0	-24.0
136.0	-44.4	-24.0
137.0	-47.5	-24.0
138.0	-44.9	-24.0
139.0	-47.8	-24.0
140.0	-44.7	-24.0
141.0	-46.6	-24.0
142.0	-45.0	-24.0
143.0	-47.7	-24.0
144.0	-43.5	-24.0
145.0	-43.4	-24.0
146.0	-46.0	-24.0
147.0	-42.7	-24.0
148.0	-46.0	-24.0
149.0	-44.2	-24.0
150.0	-46.0	-24.0
151.0	-46.9	-24.0
152.0	-43.9	-24.0
153.0	-45.5	-24.0
154.0	-45.4	-24.0
155.0	-44.6	-24.0
156.0	-44.8	-24.0
157.0	-44.5	-24.0
158.0	-43.7	-24.0
159.0	-44.4	-24.0
160.0	-43.0	-24.0
161.0	-43.1	-24.0
162.0	-46.4	-24.0
163.0	-47.2	-24.0
164.0	-45.8	-24.0
165.0	-45.5	-24.0
166.0	-49.8	-24.0
167.0	-43.4	-24.0
168.0	-46.5	-24.0
169.0	-49.5	-24.0
170.0	-42.5	-24.0
171.0	-45.9	-24.0
172.0	-47.7	-24.0
173.0	-43.9	-24.0
174.0	-46.9	-24.0
175.0	-44.0	-24.0
176.0	-48.0	-24.0
177.0	-48.2	-24.0
178.0	-49.3	-24.0
179.0	-46.2	-24.0
180.0	-48.2	-24.0

Cobham SATCOM, Sea Tel Products
 1.0 m EIRPsd, HH Co-Pol, Azimuth, E-Plane (A)

14.25 GHz @ -16.3 dBW / 4 kHz, 0.2 dB Radome Loss



14.25 GHz @ -16.3 dBW / 4 kHz, 0.2 dB Radome Loss



Plot Parameters		
Input sd	Gain	Cal Factor
-16.3	40.88	55.82
Peak Excursions dB		
1.5° to 7°	7° to 180°	% Over
-1.2	-0.7	0%

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8

9

Cobham SATCOM, Sea Tel Products

1.0m EIRPsd Data Table

Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

14.25 GHz @ -16.3 dBW / 4 kHz

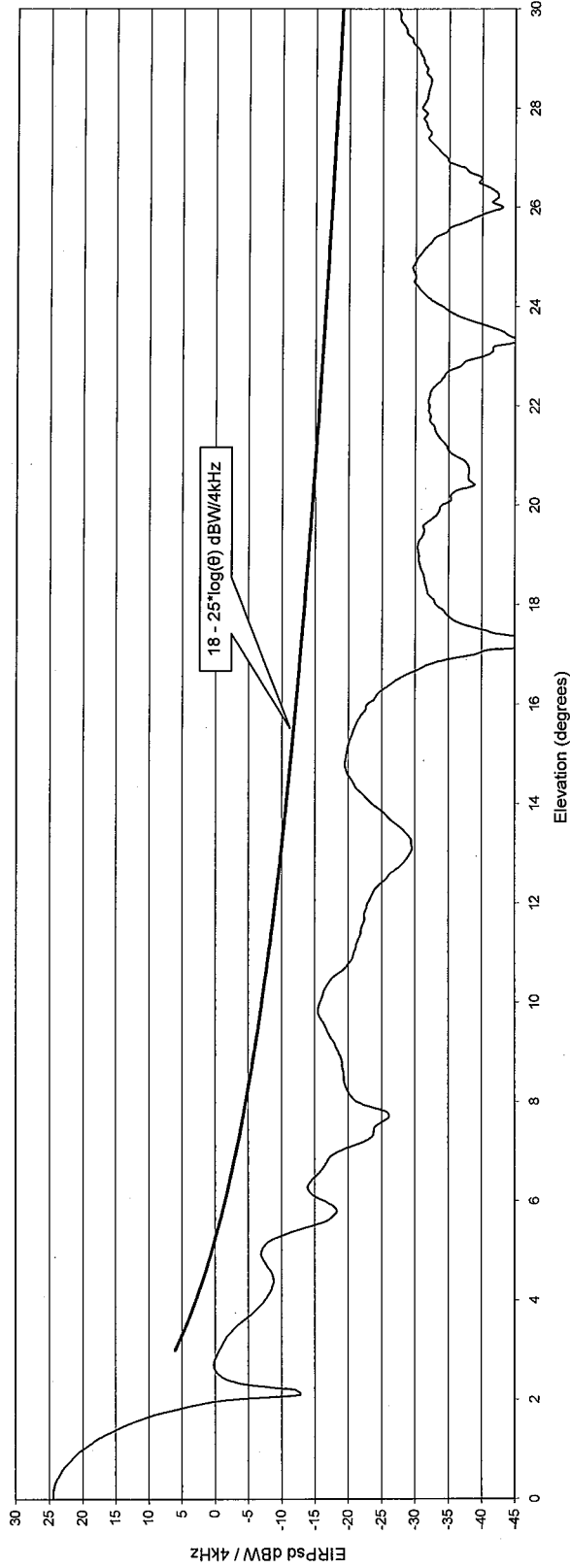
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	24.5	
0.1	24.5	
0.2	24.4	
0.3	24.2	
0.4	23.9	
0.5	23.5	
0.6	23.1	
0.7	22.5	
0.8	21.8	
0.9	21.1	
1.0	20.2	
1.1	19.0	
1.2	18.0	
1.3	16.5	
1.4	15.1	
1.5	13.4	
1.6	11.5	
1.7	9.3	
1.8	6.1	
1.9	2.8	
2.0	-2.1	
2.1	-12.7	
2.2	-11.9	
2.3	-5.1	
2.4	-1.9	
2.5	-0.6	
2.6	0.1	
2.7	0.3	
2.8	0.1	
2.9	-0.2	
3.0	-0.5	6.1
3.1	-0.9	5.7
3.2	-1.3	5.4
3.3	-1.8	5.0
3.4	-2.5	4.7
3.5	-3.2	4.4
3.6	-4.1	4.1
3.7	-5.1	3.8
3.8	-5.9	3.5
3.9	-6.7	3.2
4.0	-7.4	2.9
4.1	-7.8	2.7
4.2	-8.3	2.4
4.3	-8.6	2.2
4.4	-8.7	1.9
4.5	-8.6	1.7
4.6	-8.3	1.4
4.7	-7.7	1.2
4.8	-7.3	1.0
4.9	-6.9	0.7
5.0	-6.9	0.5
5.1	-7.3	0.3
5.2	-8.1	0.1
5.3	-9.8	-0.1
5.4	-11.8	-0.3
5.5	-14.3	-0.5
5.6	-16.6	-0.7

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
10.0	-15.7	-7.0
10.5	-17.5	-7.5
11.0	-20.7	-8.0
11.5	-21.9	-8.5
12.0	-22.8	-9.0
12.5	-25.6	-9.4
13.0	-29.1	-9.8
13.5	-28.0	-10.3
14.0	-23.5	-10.7
14.5	-20.3	-11.0
15.0	-19.6	-11.4
15.5	-20.7	-11.8
16.0	-22.7	-12.1
16.5	-27.2	-12.4
17.0	-38.8	-12.8
17.5	-40.0	-13.1
18.0	-33.0	-13.4
18.5	-31.3	-13.7
19.0	-30.5	-14.0
19.5	-31.3	-14.3
20.0	-33.8	-14.5
20.5	-38.0	-14.8
21.0	-35.8	-15.1
21.5	-32.9	-15.3
22.0	-32.0	-15.6
22.5	-33.6	-15.8
23.0	-40.1	-16.0
23.5	-43.0	-16.3
24.0	-34.0	-16.5
24.5	-29.7	-16.7
25.0	-30.3	-16.9
25.5	-34.5	-17.2
26.0	-43.0	-17.4
26.5	-39.4	-17.6
27.0	-34.6	-17.8
27.5	-32.2	-18.0
28.0	-30.9	-18.2
28.5	-32.2	-18.4
29.0	-31.0	-18.6
29.5	-28.6	-18.7
30.0	-27.2	-18.9

Cobham SATCOM, Sea Tel Products
 1.0 meter EIRPsd, HH Co-Pol, Elevation, H-Plane (B)

14.25 GHz @ -16.3 dBW / 4 kHz, 0.2 dB Radome Loss



9

Plot Parameters		Peak Excursions dB	
Input sd	-16.3	Gain	40.88
		Cal Factor	56.36
			3° to 30°
			-6.59
		% Over	0%

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10

Cobham SATCOM, Sea Tel Products

1.0M EIRPsd Data Table

Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-36.3	-16.0
-9.9	-33.3	-16.0
-9.8	-32.9	-16.0
-9.7	-33.8	-16.0
-9.6	-34.3	-16.0
-9.5	-36.5	-16.0
-9.4	-35.4	-16.0
-9.3	-33.9	-16.0
-9.2	-35.8	-16.0
-9.1	-33.5	-16.0
-9.0	-30.8	-16.0
-8.9	-33.3	-16.0
-8.8	-37.2	-16.0
-8.7	-28.1	-16.0
-8.6	-30.6	-16.0
-8.5	-36.5	-16.0
-8.4	-35.8	-16.0
-8.3	-36.1	-16.0
-8.2	-31.4	-16.0
-8.1	-31.8	-16.0
-8.0	-31.8	-16.0
-7.9	-33.5	-16.0
-7.8	-30.1	-16.0
-7.7	-29.4	-16.0
-7.6	-31.7	-16.0
-7.5	-30.6	-16.0
-7.4	-34.7	-16.0
-7.3	-30.5	-16.0
-7.2	-33.1	-16.0
-7.1	-34.8	-16.0
-7.0	-36.4	-16.0
-6.9	-30.2	-16.0
-6.8	-33.3	-15.8
-6.7	-30.1	-15.7
-6.6	-31.0	-15.5
-6.5	-29.1	-15.3
-6.4	-31.4	-15.2
-6.3	-31.0	-15.0
-6.2	-29.4	-14.8
-6.1	-29.6	-14.6
-6.0	-31.7	-14.5
-5.9	-37.4	-14.3
-5.8	-32.4	-14.1
-5.7	-37.7	-13.9
-5.6	-32.3	-13.7
-5.5	-36.5	-13.5
-5.4	-33.0	-13.3
-5.3	-29.7	-13.1
-5.2	-33.1	-12.9
-5.1	-35.0	-12.7
-5.0	-33.6	-12.5
-4.9	-35.1	-12.3
-4.8	-35.1	-12.0
-4.7	-47.7	-11.8
-4.6	-39.6	-11.6
-4.5	-49.3	-11.3
-4.4	-34.4	-11.1
-4.3	-55.7	-10.8

14.25 GHz @ -16.3 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	-30.8	
0.1	-28.8	
0.2	-21.9	
0.3	-20.0	
0.4	-19.4	
0.5	-18.8	
0.6	-18.4	
0.7	-17.4	
0.8	-18.4	
0.9	-18.4	
1.0	-19.1	
1.1	-19.4	
1.2	-20.1	
1.3	-20.8	
1.4	-22.0	
1.5	-21.1	
1.6	-21.4	
1.7	-21.7	
1.8	-21.2	-1.4
1.9	-21.2	-2.0
2.0	-19.5	-2.5
2.1	-20.6	-3.1
2.2	-20.0	-3.6
2.3	-18.4	-4.0
2.4	-19.5	-4.5
2.5	-18.9	-4.9
2.6	-20.4	-5.4
2.7	-20.3	-5.8
2.8	-20.8	-6.2
2.9	-21.2	-6.6
3.0	-22.1	-6.9
3.1	-23.6	-7.3
3.2	-25.4	-7.6
3.3	-27.2	-8.0
3.4	-28.2	-8.3
3.5	-31.1	-8.6
3.6	-34.1	-8.9
3.7	-34.7	-9.2
3.8	-37.3	-9.5
3.9	-40.5	-9.8
4.0	-49.4	-10.1
4.1	-37.0	-10.3
4.2	-39.9	-10.6
4.3	-37.8	-10.8
4.4	-37.4	-11.1
4.5	-42.5	-11.3
4.6	-49.7	-11.6
4.7	-50.3	-11.8
4.8	-43.5	-12.0
4.9	-44.1	-12.3
5.0	-46.3	-12.5
5.1	-35.5	-12.7
5.2	-37.3	-12.9
5.3	-41.1	-13.1
5.4	-40.9	-13.3
5.5	-40.3	-13.5
5.6	-40.1	-13.7
5.7	-40.3	-13.9

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Cobham SATCOM, Sea Tel Products

1.0M EIRPsd Data Table

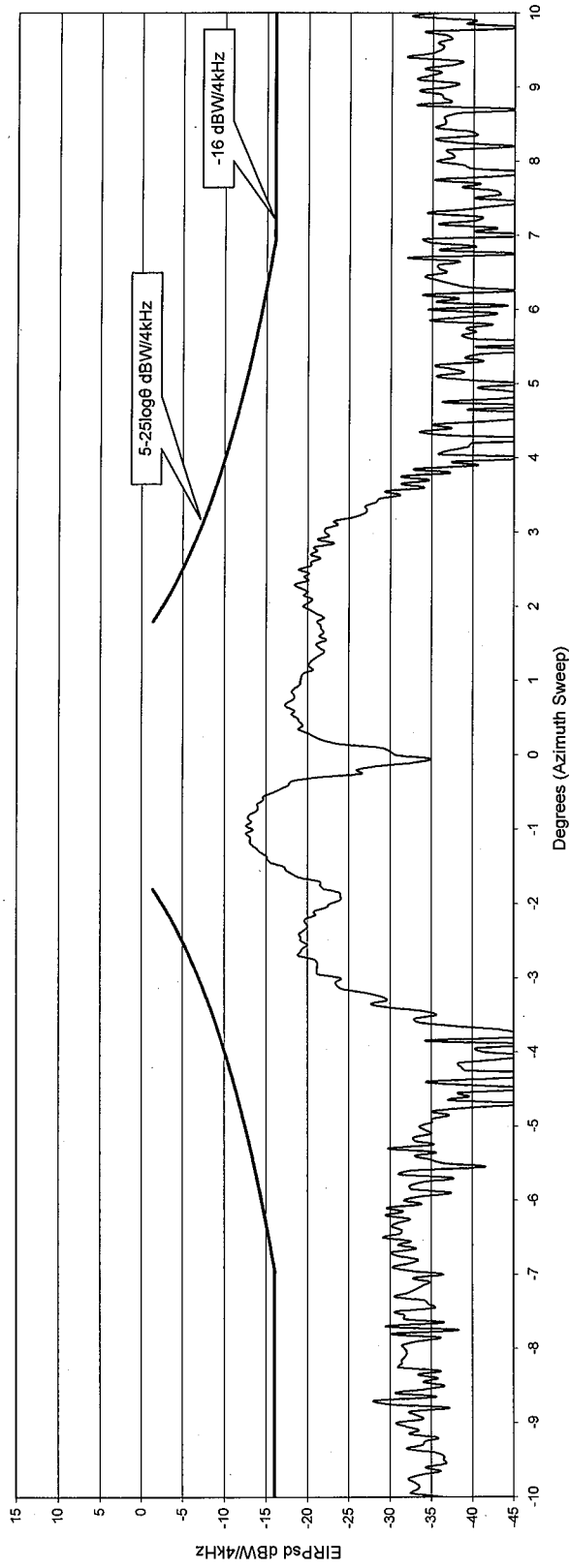
Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

-4.2	-38.6	-10.6
-4.1	-43.4	-10.3
-4.0	-41.3	-10.1
-3.9	-48.3	-9.8
-3.8	-45.8	-9.5
-3.7	-43.4	-9.2
-3.6	-33.4	-8.9
-3.5	-35.6	-8.6
-3.4	-29.9	-8.3
-3.3	-29.6	-8.0
-3.2	-26.9	-7.6
-3.1	-23.6	-7.3
-3.0	-24.0	-6.9
-2.9	-21.1	-6.6
-2.8	-21.2	-6.2
-2.7	-18.9	-5.8
-2.6	-19.4	-5.4
-2.5	-19.2	-4.9
-2.4	-19.0	-4.5
-2.3	-20.0	-4.0
-2.2	-19.7	-3.6
-2.1	-20.8	-3.1
-2.0	-22.7	-2.5
-1.9	-24.0	-2.0
-1.8	-22.0	-1.4
-1.7	-21.5	
-1.6	-18.2	
-1.5	-17.2	
-1.4	-15.2	
-1.3	-14.3	
-1.2	-13.2	
-1.1	-13.1	
-1.0	-13.4	
-0.9	-13.2	
-0.8	-13.0	
-0.7	-14.1	
-0.6	-14.7	
-0.5	-15.9	
-0.4	-17.7	
-0.3	-21.1	
-0.2	-25.9	
-0.1	-32.9	
0.0	-30.8	

5.8	-42.2	-14.1
5.9	-39.2	-14.3
6.0	-34.5	-14.5
6.1	-35.6	-14.6
6.2	-34.0	-14.8
6.3	-39.5	-15.0
6.4	-35.4	-15.2
6.5	-36.7	-15.3
6.6	-35.7	-15.5
6.7	-32.1	-15.7
6.8	-35.9	-15.8
6.9	-34.8	-16.0
7.0	-49.2	-16.0
7.1	-42.8	-16.0
7.2	-40.1	-16.0
7.3	-34.4	-16.0
7.4	-43.2	-16.0
7.5	-40.2	-16.0
7.6	-42.7	-16.0
7.7	-40.7	-16.0
7.8	-43.5	-16.0
7.9	-39.9	-16.0
8.0	-35.5	-16.0
8.1	-37.4	-16.0
8.2	-44.9	-16.0
8.3	-35.3	-16.0
8.4	-39.6	-16.0
8.5	-36.4	-16.0
8.6	-36.4	-16.0
8.7	-46.3	-16.0
8.8	-37.2	-16.0
8.9	-36.0	-16.0
9.0	-36.7	-16.0
9.1	-33.2	-16.0
9.2	-36.0	-16.0
9.3	-37.4	-16.0
9.4	-31.9	-16.0
9.5	-36.0	-16.0
9.6	-35.6	-16.0
9.7	-36.5	-16.0
9.8	-47.3	-16.0
9.9	-40.2	-16.0
10.0	-35.7	-16.0

Cobnam SATCOM, Sea Tel Products
1.0 meter EIRPsd, VH XP, Azimuth, E-Plane (C)

14.25 GHz @ -16.3 dBW / 4 kHz, 0.2 dB Radome Loss



10

Plot Parameters
 Pin sd -16.3 Gain 43.05 Cal Factor 42.12
 Peak Excursions dB
 1.8° to 7° -13.09 7° to 180° -13.31
 % Over 0.00

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11

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -10 to +10 Degrees @ 0.1 (A)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-22.6	-7.1
-9.9	-21.7	-6.9
-9.8	-20.6	-6.8
-9.7	-20.4	-6.7
-9.6	-20.6	-6.6
-9.5	-22.0	-6.5
-9.4	-23.8	-6.4
-9.3	-27.3	-6.3
-9.2	-35.3	-6.2
-9.1	-34.5	-6.0
-9.0	-28.1	-6.0
-8.9	-23.5	-6.0
-8.8	-22.2	-6.0
-8.7	-21.0	-6.0
-8.6	-20.7	-6.0
-8.5	-21.0	-6.0
-8.4	-22.7	-6.0
-8.3	-24.1	-6.0
-8.2	-26.2	-6.0
-8.1	-26.0	-6.0
-8.0	-24.4	-6.0
-7.9	-22.0	-6.0
-7.8	-20.2	-6.0
-7.7	-19.2	-6.0
-7.6	-18.8	-6.0
-7.5	-18.9	-6.0
-7.4	-19.1	-6.0
-7.3	-19.0	-6.0
-7.2	-18.4	-6.0
-7.1	-16.8	-6.0
-7.0	-14.7	-6.0
-6.9	-13.9	-6.0
-6.8	-12.5	-5.9
-6.7	-11.7	-5.7
-6.6	-11.5	-5.6
-6.5	-11.0	-5.4
-6.4	-10.9	-5.2
-6.3	-10.7	-5.1
-6.2	-10.3	-4.9
-6.1	-9.7	-4.7
-6.0	-9.1	-4.5
-5.9	-8.4	-4.4
-5.8	-7.8	-4.2
-5.7	-7.3	-4.0
-5.6	-7.1	-3.8
-5.5	-7.1	-3.6
-5.4	-7.4	-3.4
-5.3	-7.8	-3.2
-5.2	-8.3	-3.0
-5.1	-9.3	-2.8
-5.0	-10.1	-2.6
-4.9	-10.9	-2.4
-4.8	-11.5	-2.1
-4.7	-11.6	-1.9
-4.6	-11.3	-1.7
-4.5	-10.6	-1.5
-4.4	-10.0	-1.2

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	28.9	
0.1	28.8	
0.2	28.8	
0.3	28.3	
0.4	27.9	
0.5	27.3	
0.6	26.2	
0.7	25.7	
0.8	24.4	
0.9	22.4	
1.0	21.2	
1.1	19.1	
1.2	16.2	
1.3	12.9	
1.4	8.8	
1.5	2.6	10.2
1.6	-7.0	9.6
1.7	0.0	8.9
1.8	3.9	8.3
1.9	5.3	7.7
2.0	5.7	7.2
2.1	5.2	6.7
2.2	4.2	6.2
2.3	3.2	5.7
2.4	1.2	5.3
2.5	-1.1	4.8
2.6	-3.0	4.4
2.7	-4.2	4.0
2.8	-4.6	3.6
2.9	-4.7	3.3
3.0	-5.3	2.9
3.1	-6.2	2.5
3.2	-7.7	2.2
3.3	-10.5	1.9
3.4	-12.1	1.6
3.5	-12.0	1.2
3.6	-9.9	0.9
3.7	-8.2	0.6
3.8	-7.1	0.4
3.9	-6.6	0.1
4.0	-6.4	-0.2
4.1	-6.8	-0.5
4.2	-7.4	-0.7
4.3	-8.2	-1.0
4.4	-10.0	-1.2
4.5	-11.1	-1.5
4.6	-12.0	-1.7
4.7	-13.2	-1.9
4.8	-13.3	-2.1
4.9	-12.9	-2.4
5.0	-11.6	-2.6
5.1	-10.6	-2.8
5.2	-9.4	-3.0
5.3	-7.9	-3.2
5.4	-7.2	-3.4
5.5	-6.5	-3.6
5.6	-5.9	-3.8

11

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -10 to +10 Degrees @ 0.1 (A)

-4.3	-8.8	-1.0
-4.2	-7.9	-0.7
-4.1	-7.2	-0.5
-4.0	-6.6	-0.2
-3.9	-6.4	0.1
-3.8	-6.6	0.4
-3.7	-7.3	0.6
-3.6	-8.2	0.9
-3.5	-9.7	1.2
-3.4	-10.6	1.6
-3.3	-10.6	1.9
-3.2	-9.1	2.2
-3.1	-7.7	2.5
-3.0	-6.6	2.9
-2.9	-5.4	3.3
-2.8	-4.9	3.6
-2.7	-4.0	4.0
-2.6	-2.6	4.4
-2.5	-1.3	4.8
-2.4	1.0	5.3
-2.3	2.9	5.7
-2.2	4.4	6.2
-2.1	5.8	6.7
-2.0	6.5	7.2
-1.9	6.7	7.7
-1.8	6.3	8.3
-1.7	4.8	8.9
-1.6	1.3	9.6
-1.5	-4.5	10.2
-1.4	-3.3	
-1.3	6.5	
-1.2	11.1	
-1.1	15.5	
-1.0	17.9	
-0.9	19.8	
-0.8	22.4	
-0.7	23.7	
-0.6	25.0	
-0.5	26.2	
-0.4	27.0	
-0.3	27.8	
-0.2	28.3	
-0.1	28.6	
0.0	28.9	

5.7	-5.7	-4.0
5.8	-5.6	-4.2
5.9	-5.7	-4.4
6.0	-6.1	-4.5
6.1	-6.6	-4.7
6.2	-7.2	-4.9
6.3	-7.8	-5.1
6.4	-8.4	-5.2
6.5	-8.9	-5.4
6.6	-9.3	-5.6
6.7	-9.7	-5.7
6.8	-10.1	-5.9
6.9	-10.6	-6.0
7.0	-11.4	-6.0
7.1	-12.3	-6.0
7.2	-13.3	-6.0
7.3	-14.7	-6.0
7.4	-15.8	-6.0
7.5	-17.1	-6.0
7.6	-17.9	-6.0
7.7	-18.4	-6.0
7.8	-19.2	-6.0
7.9	-20.5	-6.0
8.0	-21.6	-6.0
8.1	-24.0	-6.0
8.2	-27.0	-6.0
8.3	-28.1	-6.0
8.4	-26.1	-6.0
8.5	-23.4	-6.0
8.6	-22.3	-6.0
8.7	-21.1	-6.0
8.8	-20.8	-6.0
8.9	-21.1	-6.0
9.0	-22.5	-6.0
9.1	-24.3	-6.0
9.2	-26.3	-6.2
9.3	-28.9	-6.3
9.4	-28.1	-6.4
9.5	-26.0	-6.5
9.6	-23.8	-6.6
9.7	-23.0	-6.7
9.8	-22.4	-6.8
9.9	-22.5	-6.9
10.0	-22.8	-7.1

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -180 to +180 Degrees @ 0.5 (A)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-179.5	-39.6	-24.0
-179.0	-43.0	-24.0
-178.5	-43.2	-24.0
-178.0	-41.3	-24.0
-177.5	-38.5	-24.0
-177.0	-37.9	-24.0
-176.5	-40.0	-24.0
-176.0	-41.1	-24.0
-175.5	-37.7	-24.0
-175.0	-42.2	-24.0
-174.5	-39.1	-24.0
-174.0	-42.3	-24.0
-173.5	-35.3	-24.0
-173.0	-35.3	-24.0
-172.5	-50.7	-24.0
-172.0	-43.7	-24.0
-171.5	-41.8	-24.0
-171.0	-42.0	-24.0
-170.5	-39.5	-24.0
-170.0	-40.8	-24.0
-169.5	-42.4	-24.0
-169.0	-41.8	-24.0
-168.5	-38.6	-24.0
-168.0	-44.0	-24.0
-167.5	-37.3	-24.0
-167.0	-38.1	-24.0
-166.5	-46.5	-24.0
-166.0	-39.5	-24.0
-165.5	-40.0	-24.0
-165.0	-41.5	-24.0
-164.5	-41.8	-24.0
-164.0	-44.5	-24.0
-163.5	-37.0	-24.0
-163.0	-41.3	-24.0
-162.5	-42.9	-24.0
-162.0	-37.2	-24.0
-161.5	-35.9	-24.0
-161.0	-40.7	-24.0
-160.5	-37.6	-24.0
-160.0	-38.7	-24.0
-159.5	-46.0	-24.0
-159.0	-40.9	-24.0
-158.5	-44.3	-24.0
-158.0	-37.0	-24.0
-157.5	-40.4	-24.0
-157.0	-41.5	-24.0
-156.5	-46.1	-24.0
-156.0	-40.4	-24.0
-155.5	-40.5	-24.0
-155.0	-38.9	-24.0
-154.5	-37.7	-24.0
-154.0	-46.4	-24.0
-153.5	-41.1	-24.0
-153.0	-45.2	-24.0
-152.5	-37.7	-24.0
-152.0	-41.3	-24.0
-151.5	-39.6	-24.0

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	28.9	
0.5	27.5	
1.0	21.5	
1.5	4.4	10.6
2.0	5.6	7.5
2.5	-0.5	5.1
3.0	-5.1	3.1
3.5	-8.6	1.4
4.0	-6.4	-0.1
4.5	-10.9	-1.3
5.0	-9.7	-2.5
5.5	-5.7	-3.5
6.0	-6.0	-4.5
6.5	-8.8	-5.3
7.0	-11.1	-6.0
7.5	-16.8	-6.0
8.0	-21.2	-6.0
8.5	-21.3	-6.0
9.0	-22.0	-6.0
9.5	-23.2	-6.4
10.0	-22.7	-7.0
10.5	-32.0	-7.5
11.0	-25.5	-8.0
11.5	-21.6	-8.5
12.0	-26.1	-9.0
12.5	-25.4	-9.4
13.0	-27.4	-9.8
13.5	-20.3	-10.3
14.0	-20.4	-10.7
14.5	-27.0	-11.0
15.0	-31.3	-11.4
15.5	-24.1	-11.8
16.0	-23.1	-12.1
16.5	-26.2	-12.4
17.0	-25.1	-12.8
17.5	-21.9	-13.1
18.0	-22.2	-13.4
18.5	-27.1	-13.7
19.0	-29.8	-14.0
19.5	-25.6	-14.3
20.0	-25.7	-14.5
20.5	-26.6	-14.8
21.0	-25.7	-15.1
21.5	-29.0	-15.3
22.0	-36.1	-15.6
22.5	-28.0	-15.8
23.0	-25.8	-16.0
23.5	-27.3	-16.3
24.0	-29.8	-16.5
24.5	-29.8	-16.7
25.0	-29.4	-16.9
25.5	-28.8	-17.2
26.0	-26.6	-17.4
26.5	-27.4	-17.6
27.0	-28.7	-17.8
27.5	-27.6	-18.0
28.0	-27.6	-18.2

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -180 to +180 Degrees @ 0.5 (A)

-151.0	-43.4	-24.0
-150.5	-49.7	-24.0
-150.0	-38.9	-24.0
-149.5	-39.0	-24.0
-149.0	-44.3	-24.0
-148.5	-48.3	-24.0
-148.0	-41.2	-24.0
-147.5	-44.0	-24.0
-147.0	-37.9	-24.0
-146.5	-46.3	-24.0
-146.0	-44.5	-24.0
-145.5	-39.7	-24.0
-145.0	-40.2	-24.0
-144.5	-40.1	-24.0
-144.0	-40.4	-24.0
-143.5	-37.1	-24.0
-143.0	-37.3	-24.0
-142.5	-43.4	-24.0
-142.0	-38.9	-24.0
-141.5	-37.5	-24.0
-141.0	-38.7	-24.0
-140.5	-34.4	-24.0
-140.0	-40.2	-24.0
-139.5	-38.9	-24.0
-139.0	-37.4	-24.0
-138.5	-41.2	-24.0
-138.0	-36.3	-24.0
-137.5	-38.2	-24.0
-137.0	-41.1	-24.0
-136.5	-38.3	-24.0
-136.0	-41.6	-24.0
-135.5	-38.6	-24.0
-135.0	-36.7	-24.0
-134.5	-36.0	-24.0
-134.0	-43.0	-24.0
-133.5	-36.7	-24.0
-133.0	-38.6	-24.0
-132.5	-44.2	-24.0
-132.0	-40.1	-24.0
-131.5	-41.9	-24.0
-131.0	-40.9	-24.0
-130.5	-38.0	-24.0
-130.0	-39.6	-24.0
-129.5	-38.1	-24.0
-129.0	-41.3	-24.0
-128.5	-40.3	-24.0
-128.0	-42.8	-24.0
-127.5	-35.8	-24.0
-127.0	-40.3	-24.0
-126.5	-40.5	-24.0
-126.0	-37.9	-24.0
-125.5	-39.6	-24.0
-125.0	-42.5	-24.0
-124.5	-40.0	-24.0
-124.0	-40.4	-24.0
-123.5	-41.5	-24.0
-123.0	-40.7	-24.0
-122.5	-37.4	-24.0
-122.0	-34.7	-24.0
-121.5	-45.5	-24.0
-121.0	-41.4	-24.0

28.5	-24.7	-18.4
29.0	-22.5	-18.6
29.5	-21.7	-18.7
30.0	-22.6	-18.9
30.5	-25.5	-19.1
31.0	-27.7	-19.3
31.5	-25.2	-19.5
32.0	-23.7	-19.6
32.5	-23.9	-19.8
33.0	-23.8	-20.0
33.5	-25.7	-20.1
34.0	-31.7	-20.3
34.5	-32.9	-20.4
35.0	-36.9	-20.6
35.5	-29.9	-20.8
36.0	-26.4	-20.9
36.5	-24.3	-21.1
37.0	-23.6	-21.2
37.5	-24.5	-21.4
38.0	-25.4	-21.5
38.5	-28.1	-21.6
39.0	-35.9	-21.8
39.5	-33.7	-21.9
40.0	-30.9	-22.1
40.5	-27.7	-22.2
41.0	-28.0	-22.3
41.5	-29.7	-22.5
42.0	-29.4	-22.6
42.5	-32.0	-22.7
43.0	-34.0	-22.8
43.5	-33.4	-23.0
44.0	-34.2	-23.1
44.5	-41.2	-23.2
45.0	-43.0	-23.3
45.5	-34.7	-23.5
46.0	-31.1	-23.6
46.5	-31.8	-23.7
47.0	-32.4	-23.8
47.5	-34.2	-23.9
48.0	-38.0	-24.0
48.5	-39.9	-24.0
49.0	-34.5	-24.0
49.5	-32.8	-24.0
50.0	-33.4	-24.0
50.5	-33.0	-24.0
51.0	-31.7	-24.0
51.5	-33.4	-24.0
52.0	-35.2	-24.0
52.5	-34.0	-24.0
53.0	-35.5	-24.0
53.5	-34.0	-24.0
54.0	-33.5	-24.0
54.5	-32.1	-24.0
55.0	-33.3	-24.0
55.5	-35.2	-24.0
56.0	-35.1	-24.0
56.5	-34.0	-24.0
57.0	-35.5	-24.0
57.5	-38.3	-24.0
58.0	-34.6	-24.0
58.5	-36.2	-24.0

11

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -180 to +180 Degrees @ 0.5 (A)

-120.5	-38.0	-24.0
-120.0	-39.9	-24.0
-119.5	-36.9	-24.0
-119.0	-43.0	-24.0
-118.5	-38.8	-24.0
-118.0	-35.4	-24.0
-117.5	-39.1	-24.0
-117.0	-42.6	-24.0
-116.5	-44.8	-24.0
-116.0	-38.9	-24.0
-115.5	-36.5	-24.0
-115.0	-40.0	-24.0
-114.5	-37.0	-24.0
-114.0	-40.4	-24.0
-113.5	-38.3	-24.0
-113.0	-38.3	-24.0
-112.5	-36.8	-24.0
-112.0	-42.1	-24.0
-111.5	-38.7	-24.0
-111.0	-39.4	-24.0
-110.5	-37.4	-24.0
-110.0	-45.0	-24.0
-109.5	-40.1	-24.0
-109.0	-41.2	-24.0
-108.5	-35.5	-24.0
-108.0	-37.4	-24.0
-107.5	-38.2	-24.0
-107.0	-35.5	-24.0
-106.5	-37.1	-24.0
-106.0	-39.6	-24.0
-105.5	-38.2	-24.0
-105.0	-33.7	-24.0
-104.5	-35.0	-24.0
-104.0	-43.3	-24.0
-103.5	-40.8	-24.0
-103.0	-36.9	-24.0
-102.5	-34.7	-24.0
-102.0	-35.5	-24.0
-101.5	-35.9	-24.0
-101.0	-36.9	-24.0
-100.5	-40.3	-24.0
-100.0	-40.5	-24.0
-99.5	-35.3	-24.0
-99.0	-36.7	-24.0
-98.5	-37.8	-24.0
-98.0	-35.6	-24.0
-97.5	-35.8	-24.0
-97.0	-34.2	-24.0
-96.5	-34.9	-24.0
-96.0	-34.0	-24.0
-95.5	-30.9	-24.0
-95.0	-32.7	-24.0
-94.5	-32.3	-24.0
-94.0	-33.1	-24.0
-93.5	-32.8	-24.0
-93.0	-35.9	-24.0
-92.5	-34.7	-24.0
-92.0	-35.2	-24.0
-91.5	-31.8	-24.0
-91.0	-30.2	-24.0
-90.5	-29.1	-24.0

59.0	-37.9	-24.0
59.5	-27.8	-24.0
60.0	-29.5	-24.0
60.5	-28.3	-24.0
61.0	-35.6	-24.0
61.5	-37.8	-24.0
62.0	-38.9	-24.0
62.5	-39.2	-24.0
63.0	-44.0	-24.0
63.5	-54.0	-24.0
64.0	-45.8	-24.0
64.5	-40.9	-24.0
65.0	-34.2	-24.0
65.5	-38.0	-24.0
66.0	-39.0	-24.0
66.5	-41.1	-24.0
67.0	-42.4	-24.0
67.5	-55.2	-24.0
68.0	-40.4	-24.0
68.5	-37.6	-24.0
69.0	-34.8	-24.0
69.5	-33.9	-24.0
70.0	-34.5	-24.0
70.5	-33.4	-24.0
71.0	-34.1	-24.0
71.5	-35.1	-24.0
72.0	-33.2	-24.0
72.5	-33.3	-24.0
73.0	-33.8	-24.0
73.5	-34.0	-24.0
74.0	-32.9	-24.0
74.5	-31.4	-24.0
75.0	-30.4	-24.0
75.5	-29.5	-24.0
76.0	-27.5	-24.0
76.5	-26.8	-24.0
77.0	-26.4	-24.0
77.5	-26.8	-24.0
78.0	-26.2	-24.0
78.5	-25.2	-24.0
79.0	-24.9	-24.0
79.5	-24.1	-24.0
80.0	-23.9	-24.0
80.5	-23.5	-24.0
81.0	-24.5	-24.0
81.5	-24.9	-24.0
82.0	-26.0	-24.0
82.5	-25.9	-24.0
83.0	-25.6	-24.0
83.5	-25.3	-24.0
84.0	-25.6	-24.0
84.5	-25.7	-24.0
85.0	-25.4	-24.0
85.5	-26.4	-24.0
86.0	-26.2	-24.0
86.5	-28.3	-24.0
87.0	-29.0	-24.0
87.5	-27.4	-24.0
88.0	-27.7	-24.0
88.5	-27.6	-24.0
89.0	-28.6	-24.0

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -180 to +180 Degrees @ 0.5 (A)

-90.0	-30.8	-24.0
-89.5	-28.3	-24.0
-89.0	-29.3	-24.0
-88.5	-29.7	-24.0
-88.0	-28.6	-24.0
-87.5	-29.1	-24.0
-87.0	-29.9	-24.0
-86.5	-29.4	-24.0
-86.0	-27.8	-24.0
-85.5	-27.9	-24.0
-85.0	-26.4	-24.0
-84.5	-25.3	-24.0
-84.0	-25.4	-24.0
-83.5	-25.2	-24.0
-83.0	-25.8	-24.0
-82.5	-26.4	-24.0
-82.0	-26.4	-24.0
-81.5	-25.0	-24.0
-81.0	-25.1	-24.0
-80.5	-26.3	-24.0
-80.0	-25.9	-24.0
-79.5	-26.2	-24.0
-79.0	-25.9	-24.0
-78.5	-26.0	-24.0
-78.0	-25.8	-24.0
-77.5	-25.1	-24.0
-77.0	-26.6	-24.0
-76.5	-28.7	-24.0
-76.0	-28.9	-24.0
-75.5	-29.9	-24.0
-75.0	-31.9	-24.0
-74.5	-32.9	-24.0
-74.0	-34.5	-24.0
-73.5	-35.5	-24.0
-73.0	-38.4	-24.0
-72.5	-37.4	-24.0
-72.0	-39.2	-24.0
-71.5	-37.0	-24.0
-71.0	-33.5	-24.0
-70.5	-34.0	-24.0
-70.0	-37.8	-24.0
-69.5	-34.5	-24.0
-69.0	-35.1	-24.0
-68.5	-39.2	-24.0
-68.0	-36.9	-24.0
-67.5	-41.2	-24.0
-67.0	-41.4	-24.0
-66.5	-40.5	-24.0
-66.0	-45.0	-24.0
-65.5	-52.9	-24.0
-65.0	-46.3	-24.0
-64.5	-43.7	-24.0
-64.0	-42.1	-24.0
-63.5	-41.4	-24.0
-63.0	-47.2	-24.0
-62.5	-43.1	-24.0
-62.0	-43.9	-24.0
-61.5	-37.8	-24.0
-61.0	-37.2	-24.0
-60.5	-40.6	-24.0
-60.0	-44.1	-24.0

89.5	-29.3	-24.0
90.0	-29.1	-24.0
90.5	-29.5	-24.0
91.0	-29.7	-24.0
91.5	-32.7	-24.0
92.0	-33.0	-24.0
92.5	-32.7	-24.0
93.0	-30.0	-24.0
93.5	-29.9	-24.0
94.0	-30.7	-24.0
94.5	-35.3	-24.0
95.0	-32.9	-24.0
95.5	-32.0	-24.0
96.0	-32.8	-24.0
96.5	-35.1	-24.0
97.0	-33.9	-24.0
97.5	-39.2	-24.0
98.0	-35.5	-24.0
98.5	-32.6	-24.0
99.0	-30.5	-24.0
99.5	-34.4	-24.0
100.0	-33.6	-24.0
100.5	-35.1	-24.0
101.0	-40.2	-24.0
101.5	-36.1	-24.0
102.0	-35.4	-24.0
102.5	-35.0	-24.0
103.0	-34.9	-24.0
103.5	-35.1	-24.0
104.0	-36.4	-24.0
104.5	-41.2	-24.0
105.0	-35.0	-24.0
105.5	-36.2	-24.0
106.0	-32.8	-24.0
106.5	-33.4	-24.0
107.0	-36.5	-24.0
107.5	-40.3	-24.0
108.0	-39.2	-24.0
108.5	-35.7	-24.0
109.0	-42.6	-24.0
109.5	-35.7	-24.0
110.0	-37.1	-24.0
110.5	-39.7	-24.0
111.0	-37.9	-24.0
111.5	-37.2	-24.0
112.0	-35.7	-24.0
112.5	-38.2	-24.0
113.0	-37.2	-24.0
113.5	-38.8	-24.0
114.0	-41.0	-24.0
114.5	-38.4	-24.0
115.0	-41.8	-24.0
115.5	-36.7	-24.0
116.0	-39.2	-24.0
116.5	-37.9	-24.0
117.0	-34.2	-24.0
117.5	-40.8	-24.0
118.0	-41.2	-24.0
118.5	-37.3	-24.0
119.0	-37.0	-24.0
119.5	-38.6	-24.0

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Azimuth, -180 to +180 Degrees @ 0.5 (A)

-59.5	-40.3	-24.0
-59.0	-43.3	-24.0
-58.5	-45.5	-24.0
-58.0	-36.7	-24.0
-57.5	-32.4	-24.0
-57.0	-32.3	-24.0
-56.5	-34.2	-24.0
-56.0	-34.1	-24.0
-55.5	-32.8	-24.0
-55.0	-33.6	-24.0
-54.5	-34.9	-24.0
-54.0	-30.5	-24.0
-53.5	-28.1	-24.0
-53.0	-27.8	-24.0
-52.5	-29.2	-24.0
-52.0	-28.7	-24.0
-51.5	-30.9	-24.0
-51.0	-33.2	-24.0
-50.5	-35.7	-24.0
-50.0	-39.5	-24.0
-49.5	-35.8	-24.0
-49.0	-40.2	-24.0
-48.5	-39.5	-24.0
-48.0	-40.5	-24.0
-47.5	-32.7	-23.9
-47.0	-30.6	-23.8
-46.5	-26.7	-23.7
-46.0	-25.6	-23.6
-45.5	-27.2	-23.5
-45.0	-25.9	-23.3
-44.5	-26.9	-23.2
-44.0	-30.3	-23.1
-43.5	-33.1	-23.0
-43.0	-31.5	-22.8
-42.5	-33.2	-22.7
-42.0	-37.5	-22.6
-41.5	-35.8	-22.5
-41.0	-31.1	-22.3
-40.5	-28.7	-22.2
-40.0	-26.4	-22.1
-39.5	-25.0	-21.9
-39.0	-24.6	-21.8
-38.5	-24.5	-21.6
-38.0	-27.8	-21.5
-37.5	-30.9	-21.4
-37.0	-32.4	-21.2
-36.5	-29.9	-21.1
-36.0	-28.7	-20.9
-35.5	-27.5	-20.8
-35.0	-27.9	-20.6
-34.5	-30.1	-20.4
-34.0	-27.3	-20.3
-33.5	-27.0	-20.1
-33.0	-29.5	-20.0
-32.5	-29.1	-19.8
-32.0	-25.3	-19.6
-31.5	-24.2	-19.5
-31.0	-23.4	-19.3
-30.5	-23.4	-19.1
-30.0	-24.3	-18.9
-29.5	-26.7	-18.7

120.0	-38.1	-24.0
120.5	-45.4	-24.0
121.0	-36.7	-24.0
121.5	-39.9	-24.0
122.0	-37.3	-24.0
122.5	-36.9	-24.0
123.0	-38.1	-24.0
123.5	-38.5	-24.0
124.0	-39.6	-24.0
124.5	-38.4	-24.0
125.0	-38.1	-24.0
125.5	-38.3	-24.0
126.0	-35.9	-24.0
126.5	-39.9	-24.0
127.0	-38.1	-24.0
127.5	-37.0	-24.0
128.0	-40.8	-24.0
128.5	-38.0	-24.0
129.0	-40.6	-24.0
129.5	-40.3	-24.0
130.0	-35.5	-24.0
130.5	-39.0	-24.0
131.0	-43.3	-24.0
131.5	-36.8	-24.0
132.0	-39.2	-24.0
132.5	-39.2	-24.0
133.0	-35.5	-24.0
133.5	-36.0	-24.0
134.0	-39.5	-24.0
134.5	-38.1	-24.0
135.0	-37.6	-24.0
135.5	-38.5	-24.0
136.0	-36.0	-24.0
136.5	-37.5	-24.0
137.0	-38.8	-24.0
137.5	-33.7	-24.0
138.0	-40.7	-24.0
138.5	-39.7	-24.0
139.0	-37.1	-24.0
139.5	-35.3	-24.0
140.0	-33.0	-24.0
140.5	-31.4	-24.0
141.0	-34.7	-24.0
141.5	-40.2	-24.0
142.0	-39.1	-24.0
142.5	-34.7	-24.0
143.0	-39.5	-24.0
143.5	-34.7	-24.0
144.0	-38.6	-24.0
144.5	-37.3	-24.0
145.0	-39.8	-24.0
145.5	-37.1	-24.0
146.0	-34.9	-24.0
146.5	-48.8	-24.0
147.0	-40.4	-24.0
147.5	-43.6	-24.0
148.0	-35.7	-24.0
148.5	-37.7	-24.0
149.0	-38.7	-24.0
149.5	-35.2	-24.0
150.0	-42.2	-24.0

11

Cobham SATCOM, Sea Tel Products

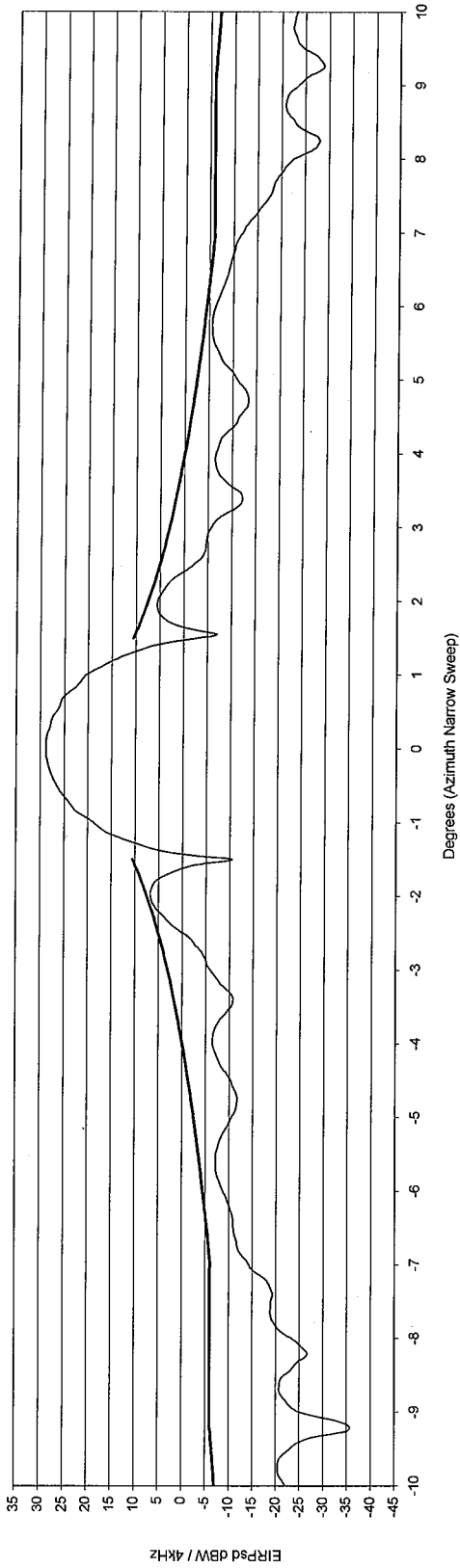
1.2M EIRPsd Data Table - Co Pol Azimuth, -180 to +180 Degrees @ 0.5 (A)

-29.0	-28.2	-18.6
-28.5	-28.2	-18.4
-28.0	-27.5	-18.2
-27.5	-27.7	-18.0
-27.0	-27.1	-17.8
-26.5	-26.2	-17.6
-26.0	-27.9	-17.4
-25.5	-30.1	-17.2
-25.0	-29.3	-16.9
-24.5	-29.9	-16.7
-24.0	-28.2	-16.5
-23.5	-24.3	-16.3
-23.0	-23.9	-16.0
-22.5	-28.2	-15.8
-22.0	-31.3	-15.6
-21.5	-25.7	-15.3
-21.0	-23.6	-15.1
-20.5	-24.5	-14.8
-20.0	-22.9	-14.5
-19.5	-24.1	-14.3
-19.0	-28.3	-14.0
-18.5	-23.8	-13.7
-18.0	-20.3	-13.4
-17.5	-21.1	-13.1
-17.0	-25.9	-12.8
-16.5	-25.2	-12.4
-16.0	-21.7	-12.1
-15.5	-23.6	-11.8
-15.0	-39.6	-11.4
-14.5	-27.2	-11.0
-14.0	-20.0	-10.7
-13.5	-20.1	-10.3
-13.0	-28.2	-9.8
-12.5	-25.9	-9.4
-12.0	-23.1	-9.0
-11.5	-19.3	-8.5
-11.0	-21.6	-8.0
-10.5	-27.3	-7.5
-10.0	-20.9	-7.0
-9.5	-21.6	-6.4
-9.0	-22.5	-6.0
-8.5	-20.9	-6.0
-8.0	-20.6	-6.0
-7.5	-18.9	-6.0
-7.0	-12.9	-6.1
-6.5	-10.8	-5.3
-6.0	-8.0	-4.5
-5.5	-7.1	-3.5
-5.0	-9.9	-2.5
-4.5	-9.1	-1.3
-4.0	-6.4	-0.1
-3.5	-9.3	1.4
-3.0	-5.0	3.1
-2.5	2.5	5.1
-2.0	6.7	7.5
-1.5	4.7	10.6
-1.0	21.8	
-0.5	27.6	
0.00	28.9	

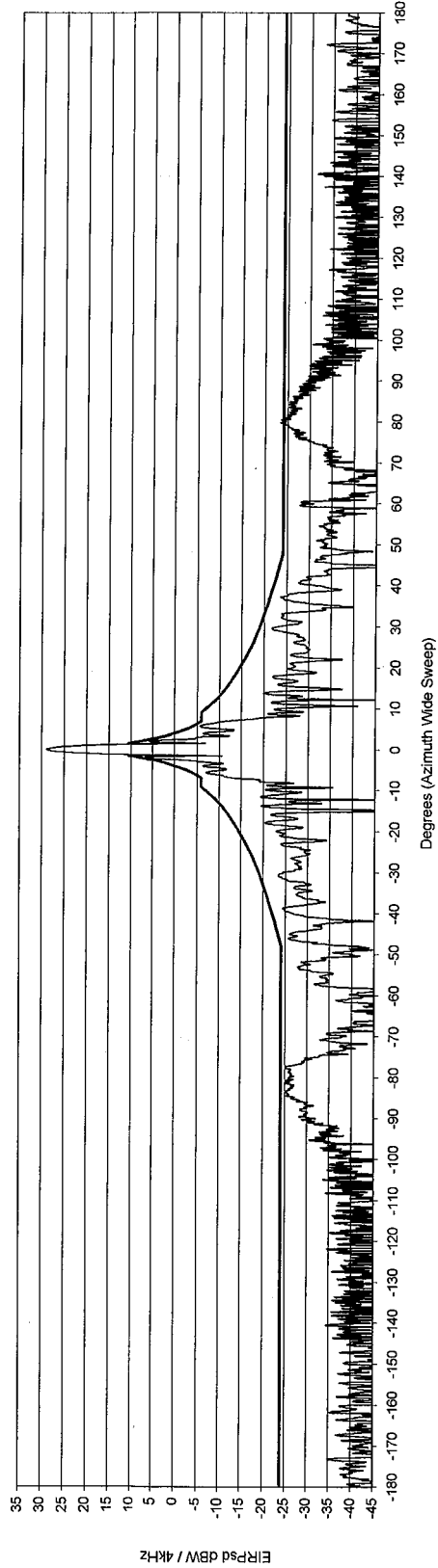
150.5	-37.6	-24.0
151.0	-43.4	-24.0
151.5	-38.9	-24.0
152.0	-37.9	-24.0
152.5	-39.3	-24.0
153.0	-48.8	-24.0
153.5	-35.3	-24.0
154.0	-35.5	-24.0
154.5	-46.1	-24.0
155.0	-44.8	-24.0
155.5	-37.4	-24.0
156.0	-36.1	-24.0
156.5	-39.3	-24.0
157.0	-45.4	-24.0
157.5	-38.3	-24.0
158.0	-42.5	-24.0
158.5	-43.3	-24.0
159.0	-42.1	-24.0
159.5	-41.2	-24.0
160.0	-43.8	-24.0
160.5	-43.4	-24.0
161.0	-36.0	-24.0
161.5	-39.8	-24.0
162.0	-37.9	-24.0
162.5	-45.4	-24.0
163.0	-40.3	-24.0
163.5	-43.3	-24.0
164.0	-39.6	-24.0
164.5	-43.3	-24.0
165.0	-42.7	-24.0
165.5	-41.2	-24.0
166.0	-43.8	-24.0
166.5	-41.3	-24.0
167.0	-39.9	-24.0
167.5	-37.7	-24.0
168.0	-39.0	-24.0
168.5	-39.1	-24.0
169.0	-41.7	-24.0
169.5	-38.6	-24.0
170.0	-44.5	-24.0
170.5	-35.8	-24.0
171.0	-36.7	-24.0
171.5	-38.4	-24.0
172.0	-33.6	-24.0
172.5	-35.4	-24.0
173.0	-44.8	-24.0
173.5	-46.9	-24.0
174.0	-44.3	-24.0
174.5	-50.1	-24.0
175.0	-37.8	-24.0
175.5	-37.8	-24.0
176.0	-47.0	-24.0
176.5	-44.0	-24.0
177.0	-40.9	-24.0
177.5	-38.9	-24.0
178.0	-37.8	-24.0
178.5	-39.1	-24.0
179.0	-38.5	-24.0
179.50	-37.91	-24.00

Cobham SATCOM, Sea Tel Products
 1.2 meter EIRPsd, HH Co-Pol, Azimuth, E-Plane (A)

14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



Plot Parameters

Input sd	Gain	Cal Factor	Peak Excursions dB	% Over
-14.0	43.05	42.22	1.5° to 7° 7° to 180°	0%
			-0.7	0.5

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11

12

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

14.25 GHz @ -14 dBW / 4 kHz

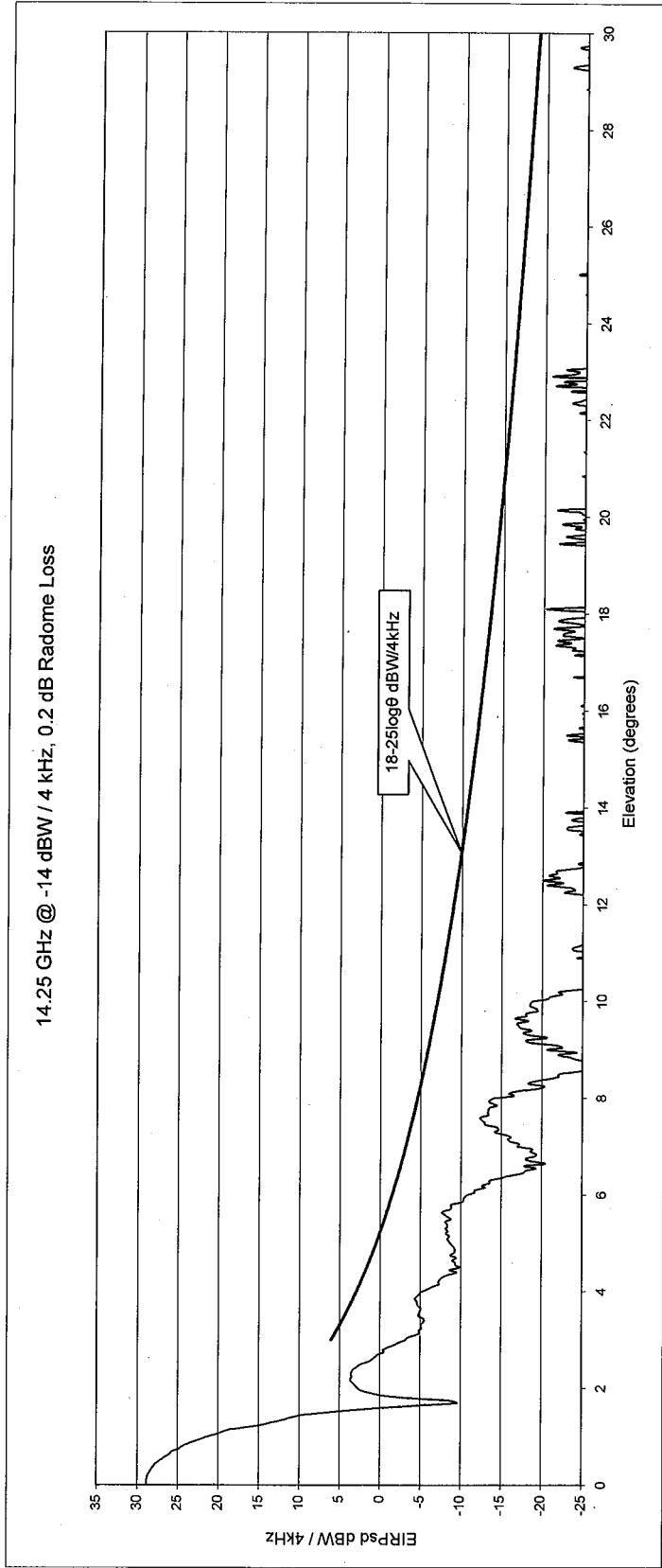
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	28.9	
0.1	28.8	
0.2	28.5	
0.3	28.2	
0.4	27.7	
0.5	26.9	
0.6	26.0	
0.7	24.9	
0.8	23.8	
0.9	22.2	
1.0	20.2	
1.1	18.5	
1.2	14.4	
1.3	11.9	
1.4	9.5	
1.5	3.5	
1.6	-4.8	
1.7	-8.6	
1.8	-0.4	
1.9	2.2	
2.0	3.0	
2.1	3.6	
2.2	3.5	
2.3	3.5	
2.4	2.8	
2.5	1.5	
2.6	0.7	
2.7	-0.5	
2.8	-1.0	
2.9	-2.4	
3.0	-3.4	5.9
3.1	-4.8	5.5
3.2	-5.2	5.2
3.3	-5.2	4.9
3.4	-5.3	4.6
3.5	-4.8	4.2
3.6	-5.1	3.9
3.7	-4.6	3.6
3.8	-4.3	3.4
3.9	-4.9	3.1
4.0	-5.9	2.8
4.1	-7.3	2.5
4.2	-7.4	2.3
4.3	-8.5	2.0
4.4	-8.6	1.8
4.5	-9.3	1.5
4.6	-8.9	1.3
4.7	-8.7	1.1
4.8	-9.3	0.9
4.9	-8.9	0.6
5.0	-8.5	0.4
5.1	-8.6	0.2
5.2	-8.4	0.0
5.3	-8.4	-0.2
5.4	-8.1	-0.4
5.5	-8.4	-0.6
5.6	-7.7	-0.8
5.7	-8.8	-1.0

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
10.0	-20.6	-7.1
10.5	-28.7	-7.6
11.0	-24.1	-8.1
11.5	-25.0	-8.6
12.0	-31.8	-9.0
12.5	-22.1	-9.5
13.0	-32.5	-9.9
13.5	-23.1	-10.3
14.0	-25.8	-10.7
14.5	-25.3	-11.1
15.0	-31.8	-11.4
15.5	-25.9	-11.8
16.0	-32.0	-12.1
16.5	-28.8	-12.5
17.0	-26.7	-12.8
17.5	-22.4	-13.1
18.0	-25.0	-13.4
18.5	-27.9	-13.7
19.0	-32.5	-14.0
19.5	-24.5	-14.3
20.0	-24.8	-14.6
20.5	-26.6	-14.8
21.0	-28.8	-15.1
21.5	-45.0	-15.3
22.0	-30.4	-15.6
22.5	-27.3	-15.8
23.0	-22.6	-16.1
23.5	-27.7	-16.3
24.0	-31.7	-16.5
24.5	-28.3	-16.8
25.0	-25.6	-17.0
25.5	-28.0	-17.2
26.0	-44.0	-17.4
26.5	-31.5	-17.6
27.0	-27.7	-17.8
27.5	-39.3	-18.0
28.0	-44.6	-18.2
28.5	-27.8	-18.4
29.0	-30.6	-18.6
29.5	-28.7	-18.8
30.0	-30.7	-18.3

Cobham SATCOM, Sea Tel Products
 1.2 meter EIRPsd, HH Co-Pol, Elevation, H-Plane (B)

14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



12

Plot Parameters	
Input sd	-14.0
Gain	43.05
Cal Factor	46.92
Peak Excursions dB	3° to 30°
	-3.12
% Over	0%

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13

Cobham SATCOM, Sea Tel Products

1.2M EIRPsd Data Table - Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 (C)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-36.3	-16.0
-9.9	-33.3	-16.0
-9.8	-32.9	-16.0
-9.7	-33.8	-16.0
-9.6	-34.3	-16.0
-9.5	-36.5	-16.0
-9.4	-35.4	-16.0
-9.3	-33.9	-16.0
-9.2	-35.8	-16.0
-9.1	-33.5	-16.0
-9.0	-30.8	-16.0
-8.9	-33.3	-16.0
-8.8	-37.2	-16.0
-8.7	-28.1	-16.0
-8.6	-30.6	-16.0
-8.5	-36.5	-16.0
-8.4	-35.8	-16.0
-8.3	-36.1	-16.0
-8.2	-31.4	-16.0
-8.1	-31.8	-16.0
-8.0	-31.8	-16.0
-7.9	-33.5	-16.0
-7.8	-30.1	-16.0
-7.7	-29.4	-16.0
-7.6	-31.7	-16.0
-7.5	-30.6	-16.0
-7.4	-34.7	-16.0
-7.3	-30.5	-16.0
-7.2	-33.1	-16.0
-7.1	-34.8	-16.0
-7.0	-36.4	-16.0
-6.9	-30.2	-16.0
-6.8	-33.3	-15.8
-6.7	-30.1	-15.7
-6.6	-31.0	-15.5
-6.5	-29.1	-15.3
-6.4	-31.4	-15.2
-6.3	-31.0	-15.0
-6.2	-29.4	-14.8
-6.1	-29.6	-14.6
-6.0	-31.7	-14.5
-5.9	-37.4	-14.3
-5.8	-32.4	-14.1
-5.7	-37.7	-13.9
-5.6	-32.3	-13.7
-5.5	-36.5	-13.5
-5.4	-33.0	-13.3
-5.3	-29.7	-13.1
-5.2	-33.1	-12.9
-5.1	-35.0	-12.7
-5.0	-33.6	-12.5
-4.9	-35.1	-12.3
-4.8	-35.1	-12.0
-4.7	-47.7	-11.8
-4.6	-39.6	-11.6
-4.5	-49.3	-11.3
-4.4	-34.4	-11.1
-4.3	-55.7	-10.8

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	-30.8	
0.1	-28.8	
0.2	-21.9	
0.3	-20.0	
0.4	-19.4	
0.5	-18.8	
0.6	-18.4	
0.7	-17.4	
0.8	-18.4	
0.9	-18.4	
1.0	-19.1	
1.1	-19.4	
1.2	-20.1	
1.3	-20.8	
1.4	-22.0	
1.5	-21.1	
1.6	-21.4	
1.7	-21.7	
1.8	-21.2	-1.4
1.9	-21.2	-2.0
2.0	-19.5	-2.5
2.1	-20.6	-3.1
2.2	-20.0	-3.6
2.3	-18.4	-4.0
2.4	-19.5	-4.5
2.5	-18.9	-4.9
2.6	-20.4	-5.4
2.7	-20.3	-5.8
2.8	-20.8	-6.2
2.9	-21.2	-6.6
3.0	-22.1	-6.9
3.1	-23.6	-7.3
3.2	-25.4	-7.6
3.3	-27.2	-8.0
3.4	-28.2	-8.3
3.5	-31.1	-8.6
3.6	-34.1	-8.9
3.7	-34.7	-9.2
3.8	-37.3	-9.5
3.9	-40.5	-9.8
4.0	-49.4	-10.1
4.1	-37.0	-10.3
4.2	-39.9	-10.6
4.3	-37.8	-10.8
4.4	-37.4	-11.1
4.5	-42.5	-11.3
4.6	-49.7	-11.6
4.7	-50.3	-11.8
4.8	-43.5	-12.0
4.9	-44.1	-12.3
5.0	-46.3	-12.5
5.1	-35.5	-12.7
5.2	-37.3	-12.9
5.3	-41.1	-13.1
5.4	-40.9	-13.3
5.5	-40.3	-13.5
5.6	-40.1	-13.7
5.7	-40.3	-13.9

13

Cobham SATCOM, Sea Tel Products

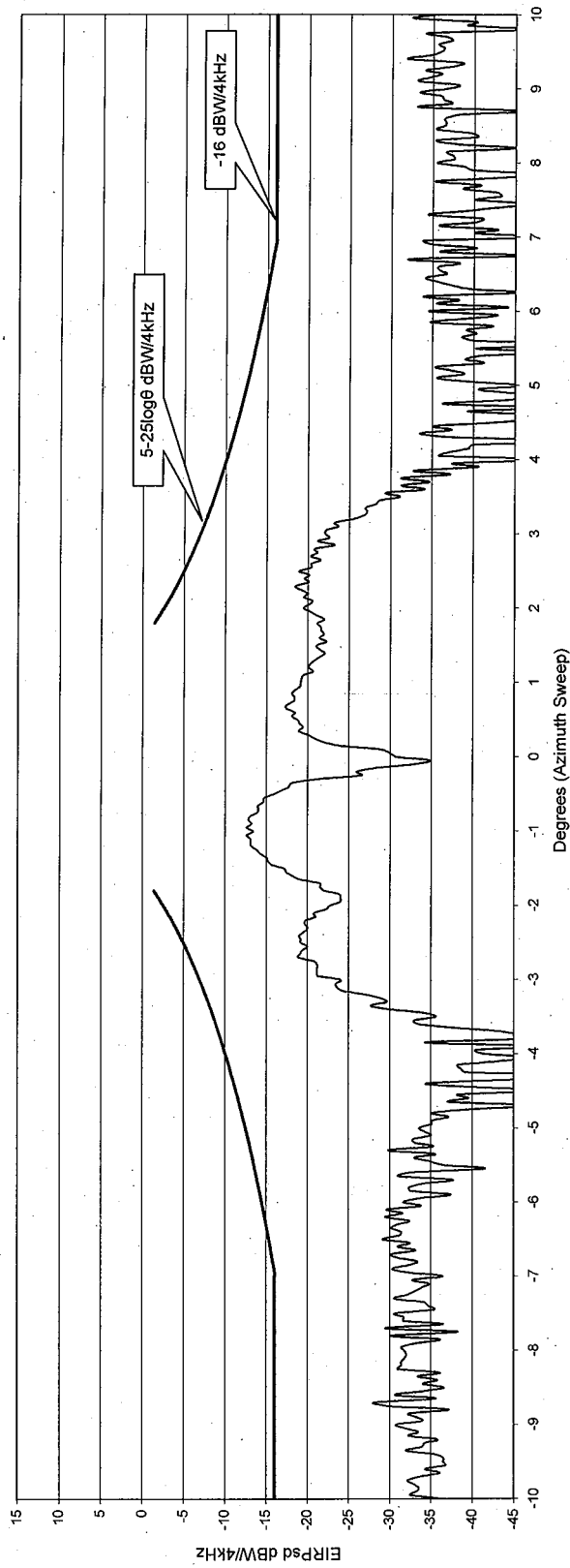
1.2M EIRPsd Data Table - Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 (C)

-4.2	-38.6	-10.6
-4.1	-43.4	-10.3
-4.0	-41.3	-10.1
-3.9	-48.3	-9.8
-3.8	-45.8	-9.5
-3.7	-43.4	-9.2
-3.6	-33.4	-8.9
-3.5	-35.6	-8.6
-3.4	-29.9	-8.3
-3.3	-29.6	-8.0
-3.2	-26.9	-7.6
-3.1	-23.6	-7.3
-3.0	-24.0	-6.9
-2.9	-21.1	-6.6
-2.8	-21.2	-6.2
-2.7	-18.9	-5.8
-2.6	-19.4	-5.4
-2.5	-19.2	-4.9
-2.4	-19.0	-4.5
-2.3	-20.0	-4.0
-2.2	-19.7	-3.6
-2.1	-20.8	-3.1
-2.0	-22.7	-2.5
-1.9	-24.0	-2.0
-1.8	-22.0	-1.4
-1.7	-21.5	
-1.6	-18.2	
-1.5	-17.2	
-1.4	-15.2	
-1.3	-14.3	
-1.2	-13.2	
-1.1	-13.1	
-1.0	-13.4	
-0.9	-13.2	
-0.8	-13.0	
-0.7	-14.1	
-0.6	-14.7	
-0.5	-15.9	
-0.4	-17.7	
-0.3	-21.1	
-0.2	-25.9	
-0.1	-32.9	
0.0	-30.8	

5.8	-42.2	-14.1
5.9	-39.2	-14.3
6.0	-34.5	-14.5
6.1	-35.6	-14.6
6.2	-34.0	-14.8
6.3	-39.5	-15.0
6.4	-35.4	-15.2
6.5	-36.7	-15.3
6.6	-35.7	-15.5
6.7	-32.1	-15.7
6.8	-35.9	-15.8
6.9	-34.8	-16.0
7.0	-49.2	-16.0
7.1	-42.8	-16.0
7.2	-40.1	-16.0
7.3	-34.4	-16.0
7.4	-43.2	-16.0
7.5	-40.2	-16.0
7.6	-42.7	-16.0
7.7	-40.7	-16.0
7.8	-43.5	-16.0
7.9	-39.9	-16.0
8.0	-35.5	-16.0
8.1	-37.4	-16.0
8.2	-44.9	-16.0
8.3	-35.3	-16.0
8.4	-39.6	-16.0
8.5	-36.4	-16.0
8.6	-36.4	-16.0
8.7	-46.3	-16.0
8.8	-37.2	-16.0
8.9	-36.0	-16.0
9.0	-36.7	-16.0
9.1	-33.2	-16.0
9.2	-36.0	-16.0
9.3	-37.4	-16.0
9.4	-31.9	-16.0
9.5	-36.0	-16.0
9.6	-35.6	-16.0
9.7	-36.5	-16.0
9.8	-47.3	-16.0
9.9	-40.2	-16.0
10.0	-35.7	-16.0

Cobnam SATCOM, Sea Tel Products
 1.2 meter EIRPsd, VH XP, Azimuth, E-Plane (C)

14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



13

Peak Excursions dB
 1.8° to 7° -13.09
 7° to 180° -13.31
 % Over 0.00

Plot Parameters		
Pin sd	Gain	Cal Factor
-14	43.05	42.12

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14

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (A)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-11.3	-7.0
-9.9	-12.0	-6.9
-9.8	-12.7	-6.8
-9.7	-13.5	-6.7
-9.6	-14.3	-6.6
-9.5	-15.2	-6.4
-9.4	-15.5	-6.3
-9.3	-15.8	-6.2
-9.2	-15.4	-6.0
-9.1	-14.5	-6.0
-9.0	-13.6	-6.0
-8.9	-12.5	-6.0
-8.8	-11.4	-6.0
-8.7	-10.3	-6.0
-8.6	-9.1	-6.0
-8.5	-7.9	-6.0
-8.4	-7.0	-6.0
-8.3	-6.1	-6.0
-8.2	-5.5	-6.0
-8.1	-5.2	-6.0
-8.0	-4.9	-6.0
-7.9	-5.1	-6.0
-7.8	-5.2	-6.0
-7.7	-5.6	-6.0
-7.6	-6.2	-6.0
-7.5	-6.8	-6.0
-7.4	-7.8	-6.0
-7.3	-8.9	-6.0
-7.2	-9.7	-6.0
-7.1	-10.4	-6.0
-7.0	-11.1	-6.1
-6.9	-10.4	-6.0
-6.8	-9.7	-5.8
-6.7	-9.3	-5.7
-6.6	-9.2	-5.5
-6.5	-9.1	-5.3
-6.4	-10.7	-5.2
-6.3	-12.3	-5.0
-6.2	-15.5	-4.8
-6.1	-20.2	-4.6
-6.0	-25.0	-4.5
-5.9	-20.4	-4.3
-5.8	-15.8	-4.1
-5.7	-13.3	-3.9
-5.6	-12.9	-3.7
-5.5	-12.6	-3.5
-5.4	-14.0	-3.3
-5.3	-15.4	-3.1
-5.2	-15.4	-2.9
-5.1	-14.1	-2.7
-5.0	-12.8	-2.5
-4.9	-11.6	-2.3
-4.8	-10.4	-2.0
-4.7	-9.3	-1.8
-4.6	-8.4	-1.6
-4.5	-7.4	-1.3

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	30.8	
0.1	30.4	
0.2	30.0	
0.3	29.4	
0.4	28.5	
0.5	27.7	
0.6	25.9	
0.7	24.2	
0.8	22.0	
0.9	19.4	
1.0	16.7	
1.1	11.3	
1.2	6.0	
1.3	3.4	
1.4	3.7	
1.5	3.9	10.6
1.6	4.9	9.9
1.7	5.9	9.2
1.8	5.9	8.6
1.9	5.0	8.0
2.0	4.1	7.5
2.1	2.7	6.9
2.2	1.3	6.4
2.3	0.4	6.0
2.4	0.0	5.5
2.5	-0.3	5.1
2.6	-0.5	4.6
2.7	-0.7	4.2
2.8	-1.3	3.8
2.9	-2.4	3.4
3.0	-3.5	3.1
3.1	-5.7	2.7
3.2	-7.9	2.4
3.3	-9.0	2.0
3.4	-8.8	1.7
3.5	-8.7	1.4
3.6	-7.6	1.1
3.7	-6.5	0.8
3.8	-6.0	0.5
3.9	-6.2	0.2
4.0	-6.3	-0.1
4.1	-6.9	-0.3
4.2	-7.5	-0.6
4.3	-7.9	-0.8
4.4	-7.9	-1.1
4.5	-8.0	-1.3
4.6	-8.5	-1.6
4.7	-9.0	-1.8
4.8	-9.9	-2.0
4.9	-11.2	-2.3
5.0	-12.4	-2.5
5.1	-12.6	-2.7
5.2	-12.8	-2.9
5.3	-12.5	-3.1
5.4	-11.9	-3.3
5.5	-11.2	-3.5

14

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (A)

-4.4	-6.1	-1.1
-4.3	-4.9	-0.8
-4.2	-4.0	-0.6
-4.1	-3.5	-0.3
-4.0	-2.9	-0.1
-3.9	-3.7	0.2
-3.8	-4.4	0.5
-3.7	-4.9	0.8
-3.6	-5.3	1.1
-3.5	-5.6	1.4
-3.4	-3.8	1.7
-3.3	-2.1	2.0
-3.2	-0.7	2.4
-3.1	0.3	2.7
-3.0	1.3	3.1
-2.9	1.4	3.4
-2.8	1.4	3.8
-2.7	1.4	4.2
-2.6	1.2	4.6
-2.5	1.1	5.1
-2.4	2.0	5.5
-2.3	2.9	6.0
-2.2	4.1	6.4
-2.1	5.5	6.9
-2.0	6.9	7.5
-1.9	7.5	8.0
-1.8	8.1	8.6
-1.7	7.4	9.2
-1.6	5.3	9.9
-1.5	3.3	10.6
-1.4	4.8	
-1.3	6.3	
-1.2	9.5	
-1.1	14.2	
-1.0	19.0	
-0.9	21.4	
-0.8	23.9	
-0.7	25.8	
-0.6	27.2	
-0.5	28.6	
-0.4	29.3	
-0.3	30.0	
-0.2	30.5	
-0.1	30.6	
0.0	30.8	

5.6	-10.8	-3.7
5.7	-10.5	-3.9
5.8	-10.0	-4.1
5.9	-9.5	-4.3
6.0	-9.0	-4.5
6.1	-8.7	-4.6
6.2	-8.4	-4.8
6.3	-8.3	-5.0
6.4	-8.3	-5.2
6.5	-8.3	-5.3
6.6	-8.2	-5.5
6.7	-8.1	-5.7
6.8	-8.1	-5.8
6.9	-8.0	-6.0
7.0	-8.0	-6.1
7.1	-8.5	-6.0
7.2	-9.0	-6.0
7.3	-10.0	-6.0
7.4	-11.6	-6.0
7.5	-13.1	-6.0
7.6	-15.1	-6.0
7.7	-17.1	-6.0
7.8	-18.5	-6.0
7.9	-19.2	-6.0
8.0	-19.9	-6.0
8.1	-20.3	-6.0
8.2	-20.6	-6.0
8.3	-20.0	-6.0
8.4	-18.4	-6.0
8.5	-16.8	-6.0
8.6	-15.8	-6.0
8.7	-14.9	-6.0
8.8	-14.9	-6.0
8.9	-15.9	-6.0
9.0	-16.8	-6.0
9.1	-20.2	-6.0
9.2	-23.7	-6.0
9.3	-23.9	-6.2
9.4	-20.7	-6.3
9.5	-17.6	-6.4
9.6	-15.4	-6.6
9.7	-13.1	-6.7
9.8	-11.6	-6.8
9.9	-11.0	-6.9
10.0	-10.3	-7.0

14

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 Deg (A)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-178.0	-37.4	-24.0
-177.0	-39.7	-24.0
-176.0	-33.2	-24.0
-175.0	-37.4	-24.0
-174.0	-34.0	-24.0
-173.0	-40.6	-24.0
-172.0	-47.6	-24.0
-171.0	-38.4	-24.0
-170.0	-39.8	-24.0
-169.0	-46.9	-24.0
-168.0	-41.4	-24.0
-167.0	-35.9	-24.0
-166.0	-36.5	-24.0
-165.0	-37.7	-24.0
-164.0	-34.8	-24.0
-163.0	-40.2	-24.0
-162.0	-51.2	-24.0
-161.0	-36.2	-24.0
-160.0	-36.9	-24.0
-159.0	-35.0	-24.0
-158.0	-45.1	-24.0
-157.0	-41.5	-24.0
-156.0	-42.9	-24.0
-155.0	-34.4	-24.0
-154.0	-40.6	-24.0
-153.0	-40.2	-24.0
-152.0	-36.6	-24.0
-151.0	-41.2	-24.0
-150.0	-44.7	-24.0
-149.0	-38.0	-24.0
-148.0	-74.5	-24.0
-147.0	-45.0	-24.0
-146.0	-69.8	-24.0
-145.0	-41.7	-24.0
-144.0	-41.3	-24.0
-143.0	-44.0	-24.0
-142.0	-50.4	-24.0
-141.0	-39.5	-24.0
-140.0	-38.3	-24.0
-139.0	-41.8	-24.0
-138.0	-36.5	-24.0
-137.0	-36.6	-24.0
-136.0	-51.2	-24.0
-135.0	-38.8	-24.0
-134.0	-44.9	-24.0
-133.0	-42.9	-24.0
-132.0	-41.5	-24.0
-131.0	-47.1	-24.0
-130.0	-46.6	-24.0
-129.0	-47.2	-24.0
-128.0	-37.3	-24.0
-127.0	-42.4	-24.0
-126.0	-37.5	-24.0
-125.0	-45.5	-24.0
-124.0	-32.7	-24.0
-123.0	-36.2	-24.0
-122.0	-35.3	-24.0

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	30.8	
1.0	16.7	
2.0	4.1	7.5
3.0	-3.5	3.1
4.0	-6.3	-0.1
5.0	-12.4	-2.5
6.0	-9.0	-4.5
7.0	-8.0	-6.1
8.0	-19.9	-6.0
9.0	-16.8	-6.0
10.0	-10.3	-7.0
11.0	-9.9	-8.0
12.0	-14.0	-9.0
13.0	-18.1	-9.8
14.0	-13.0	-10.7
15.0	-16.0	-11.4
16.0	-15.5	-12.1
17.0	-30.8	-12.8
18.0	-19.3	-13.4
19.0	-15.4	-14.0
20.0	-18.0	-14.5
21.0	-25.0	-15.1
22.0	-18.5	-15.6
23.0	-21.3	-16.0
24.0	-25.8	-16.5
25.0	-22.4	-16.9
26.0	-21.3	-17.4
27.0	-16.6	-17.8
28.0	-24.0	-18.2
29.0	-19.9	-18.6
30.0	-19.1	-18.9
31.0	-21.9	-19.3
32.0	-32.3	-19.6
33.0	-23.0	-20.0
34.0	-28.6	-20.3
35.0	-21.4	-20.6
36.0	-23.2	-20.9
37.0	-23.7	-21.2
38.0	-24.8	-21.5
39.0	-36.5	-21.8
40.0	-27.0	-22.1
41.0	-26.7	-22.3
42.0	-23.6	-22.6
43.0	-38.8	-22.8
44.0	-39.1	-23.1
45.0	-26.5	-23.3
46.0	-28.7	-23.6
47.0	-28.9	-23.8
48.0	-31.7	-24.0
49.0	-30.7	-24.0
50.0	-27.5	-24.0
51.0	-27.8	-24.0
52.0	-37.6	-24.0
53.0	-28.8	-24.0
54.0	-36.9	-24.0
55.0	-30.1	-24.0
56.0	-33.4	-24.0

14

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 Deg (A)

-121.0	-41.0	-24.0
-120.0	-34.1	-24.0
-119.0	-42.1	-24.0
-118.0	-35.2	-24.0
-117.0	-35.4	-24.0
-116.0	-37.3	-24.0
-115.0	-41.2	-24.0
-114.0	-48.9	-24.0
-113.0	-36.6	-24.0
-112.0	-47.8	-24.0
-111.0	-49.5	-24.0
-110.0	-35.3	-24.0
-109.0	-32.6	-24.0
-108.0	-30.1	-24.0
-107.0	-29.9	-24.0
-106.0	-34.0	-24.0
-105.0	-37.5	-24.0
-104.0	-38.2	-24.0
-103.0	-34.0	-24.0
-102.0	-32.3	-24.0
-101.0	-34.5	-24.0
-100.0	-28.0	-24.0
-99.0	-32.5	-24.0
-98.0	-33.8	-24.0
-97.0	-39.0	-24.0
-96.0	-30.8	-24.0
-95.0	-30.1	-24.0
-94.0	-32.9	-24.0
-93.0	-32.2	-24.0
-92.0	-29.4	-24.0
-91.0	-32.1	-24.0
-90.0	-35.3	-24.0
-89.0	-35.7	-24.0
-88.0	-28.6	-24.0
-87.0	-24.5	-24.0
-86.0	-25.0	-24.0
-85.0	-28.6	-24.0
-84.0	-23.5	-24.0
-83.0	-21.1	-24.0
-82.0	-23.0	-24.0
-81.0	-20.2	-24.0
-80.0	-24.0	-24.0
-79.0	-26.4	-24.0
-78.0	-28.1	-24.0
-77.0	-26.1	-24.0
-76.0	-30.6	-24.0
-75.0	-26.8	-24.0
-74.0	-23.7	-24.0
-73.0	-22.7	-24.0
-72.0	-23.2	-24.0
-71.0	-23.6	-24.0
-70.0	-26.5	-24.0
-69.0	-39.3	-24.0
-68.0	-24.1	-24.0
-67.0	-25.3	-24.0
-66.0	-23.2	-24.0
-65.0	-28.5	-24.0
-64.0	-23.3	-24.0
-63.0	-21.6	-24.0
-62.0	-26.1	-24.0
-61.0	-27.6	-24.0

57.0	-28.5	-24.0
58.0	-33.6	-24.0
59.0	-24.3	-24.0
60.0	-25.0	-24.0
61.0	-27.5	-24.0
62.0	-27.1	-24.0
63.0	-27.6	-24.0
64.0	-28.3	-24.0
65.0	-28.5	-24.0
66.0	-32.2	-24.0
67.0	-23.8	-24.0
68.0	-28.4	-24.0
69.0	-23.4	-24.0
70.0	-31.5	-24.0
71.0	-25.0	-24.0
72.0	-26.2	-24.0
73.0	-24.8	-24.0
74.0	-27.1	-24.0
75.0	-26.9	-24.0
76.0	-25.5	-24.0
77.0	-27.8	-24.0
78.0	-26.6	-24.0
79.0	-24.6	-24.0
80.0	-23.4	-24.0
81.0	-21.0	-24.0
82.0	-25.7	-24.0
83.0	-22.2	-24.0
84.0	-21.2	-24.0
85.0	-22.6	-24.0
86.0	-29.4	-24.0
87.0	-21.9	-24.0
88.0	-21.3	-24.0
89.0	-35.5	-24.0
90.0	-29.0	-24.0
91.0	-32.8	-24.0
92.0	-32.0	-24.0
93.0	-25.9	-24.0
94.0	-32.1	-24.0
95.0	-34.5	-24.0
96.0	-40.2	-24.0
97.0	-29.9	-24.0
98.0	-28.8	-24.0
99.0	-27.6	-24.0
100.0	-26.4	-24.0
101.0	-24.7	-24.0
102.0	-25.2	-24.0
103.0	-28.5	-24.0
104.0	-29.8	-24.0
105.0	-32.0	-24.0
106.0	-36.3	-24.0
107.0	-37.5	-24.0
108.0	-41.4	-24.0
109.0	-43.1	-24.0
110.0	-43.2	-24.0
111.0	-42.1	-24.0
112.0	-40.3	-24.0
113.0	-40.1	-24.0
114.0	-44.2	-24.0
115.0	-41.0	-24.0
116.0	-54.4	-24.0
117.0	-41.5	-24.0

14

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 Deg (A)

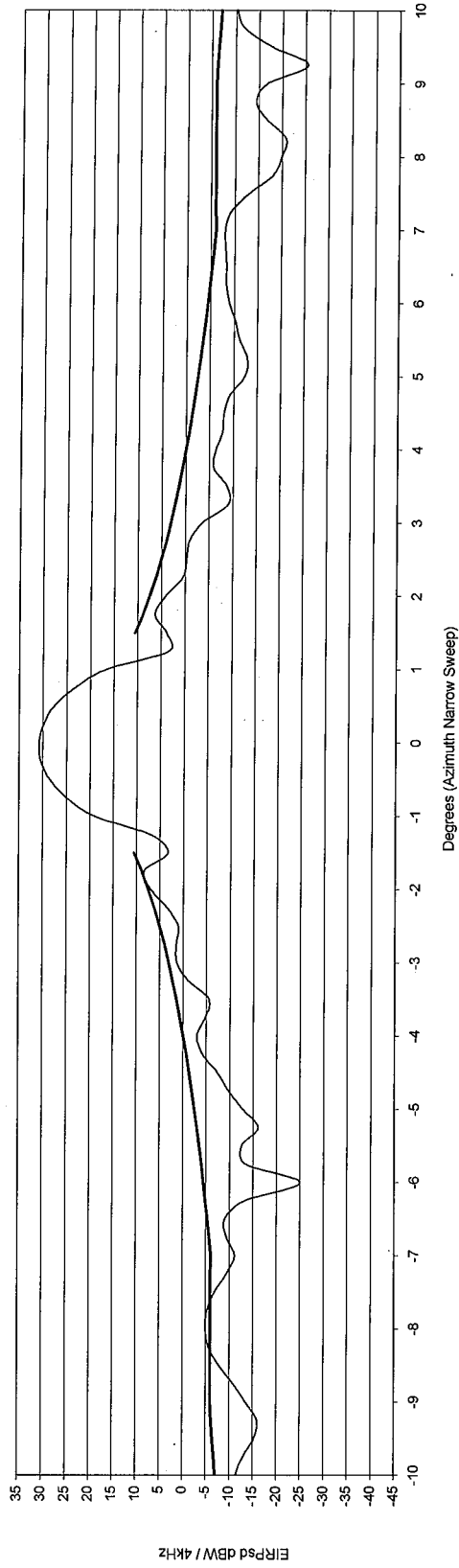
-60.0	-27.0	-24.0
-59.0	-29.5	-24.0
-58.0	-29.3	-24.0
-57.0	-24.9	-24.0
-56.0	-31.8	-24.0
-55.0	-26.7	-24.0
-54.0	-21.2	-24.0
-53.0	-37.5	-24.0
-52.0	-23.7	-24.0
-51.0	-22.4	-24.0
-50.0	-42.6	-24.0
-49.0	-31.6	-24.0
-48.0	-29.4	-24.0
-47.0	-24.7	-23.8
-46.0	-23.5	-23.6
-45.0	-25.3	-23.3
-44.0	-28.6	-23.1
-43.0	-29.9	-22.8
-42.0	-21.8	-22.6
-41.0	-21.2	-22.3
-40.0	-32.3	-22.1
-39.0	-25.6	-21.8
-38.0	-28.0	-21.5
-37.0	-30.1	-21.2
-36.0	-27.8	-20.9
-35.0	-27.7	-20.6
-34.0	-23.6	-20.3
-33.0	-27.6	-20.0
-32.0	-40.1	-19.6
-31.0	-54.9	-19.3
-30.0	-18.6	-18.9
-29.0	-28.5	-18.6
-28.0	-24.8	-18.2
-27.0	-31.6	-17.8
-26.0	-30.0	-17.4
-25.0	-25.9	-16.9
-24.0	-22.9	-16.5
-23.0	-15.5	-16.0
-22.0	-21.3	-15.6
-21.0	-21.8	-15.1
-20.0	-16.0	-14.5
-19.0	-18.7	-14.0
-18.0	-15.7	-13.4
-17.0	-20.3	-12.8
-16.0	-16.6	-12.1
-15.0	-17.1	-11.4
-14.0	-24.2	-10.7
-13.0	-15.2	-9.8
-12.0	-8.7	-9.0
-11.0	-14.8	-8.0
-10.0	-11.3	-7.0
-9.0	-13.6	-6.0
-8.0	-4.9	-6.0
-7.0	-11.1	-6.1
-6.0	-25.0	-4.5
-5.0	-12.8	-2.5
-4.0	-2.9	-0.1
-3.0	1.3	3.1
-2.0	6.9	7.5
-1.0	19.0	
0.0	30.8	

118.0	-36.5	-24.0
119.0	-33.8	-24.0
120.0	-35.7	-24.0
121.0	-35.6	-24.0
122.0	-44.4	-24.0
123.0	-44.1	-24.0
124.0	-41.9	-24.0
125.0	-39.1	-24.0
126.0	-36.6	-24.0
127.0	-35.7	-24.0
128.0	-38.4	-24.0
129.0	-47.2	-24.0
130.0	-48.1	-24.0
131.0	-32.1	-24.0
132.0	-35.5	-24.0
133.0	-41.2	-24.0
134.0	-39.1	-24.0
135.0	-42.2	-24.0
136.0	-44.9	-24.0
137.0	-39.4	-24.0
138.0	-34.4	-24.0
139.0	-37.1	-24.0
140.0	-46.1	-24.0
141.0	-36.1	-24.0
142.0	-36.7	-24.0
143.0	-39.9	-24.0
144.0	-46.8	-24.0
145.0	-60.6	-24.0
146.0	-38.0	-24.0
147.0	-37.9	-24.0
148.0	-48.4	-24.0
149.0	-46.2	-24.0
150.0	-51.5	-24.0
151.0	-47.3	-24.0
152.0	-41.6	-24.0
153.0	-60.5	-24.0
154.0	-50.2	-24.0
155.0	-40.4	-24.0
156.0	-36.9	-24.0
157.0	-45.3	-24.0
158.0	-43.5	-24.0
159.0	-48.0	-24.0
160.0	-38.9	-24.0
161.0	-31.7	-24.0
162.0	-33.9	-24.0
163.0	-43.7	-24.0
164.0	-39.9	-24.0
165.0	-41.2	-24.0
166.0	-34.0	-24.0
167.0	-35.6	-24.0
168.0	-35.9	-24.0
169.0	-51.8	-24.0
170.0	-48.4	-24.0
171.0	-38.2	-24.0
172.0	-43.5	-24.0
173.0	-38.5	-24.0
174.0	-45.2	-24.0
175.0	-37.2	-24.0
176.0	-43.4	-24.0
177.0	-40.8	-24.0
178.0	-40.0	-24.0

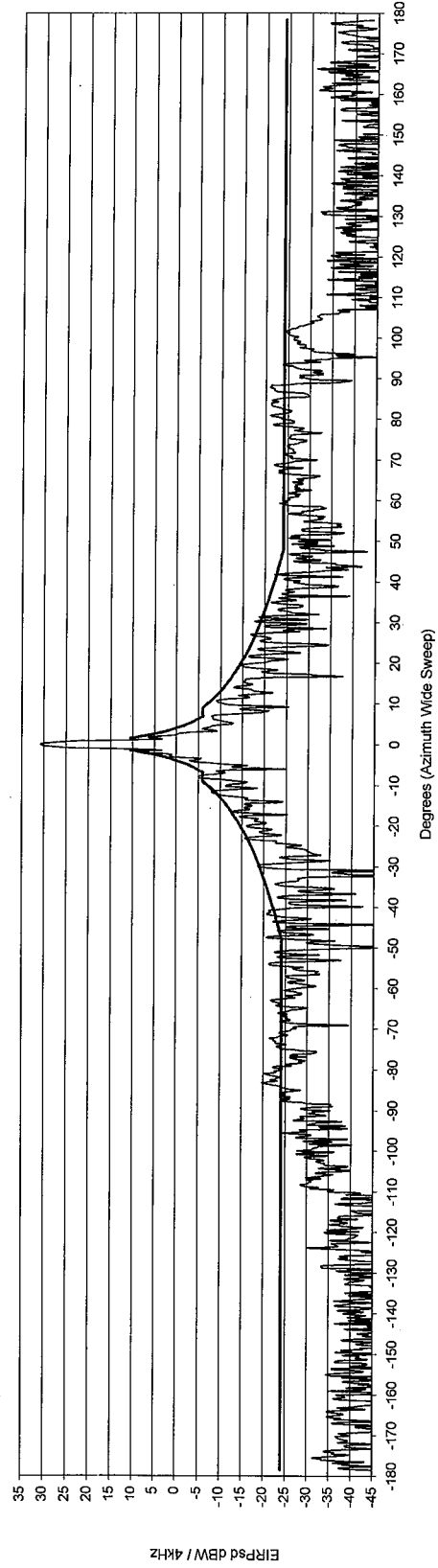
Cobham SATCOM, Sea Tel Products
1.5 meter EIRPsd, VV Co-Pol, Azimuth, H-Plane (A)

14

14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



Plot Parameters	
Input sd	-14.0
Gain	44.99
Cal Factor	46.46
Peak Excursions dB	1.5° to 7°
% Over	8%

Plot Parameters	
Input sd	-14.0
Gain	44.99
Cal Factor	46.46
Peak Excursions dB	1.5° to 7°
% Over	8%

File: NewFeed_6006_WD_TxSea1.txt

19

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

14.25 GHz @ -14 dBW / 4 kHz

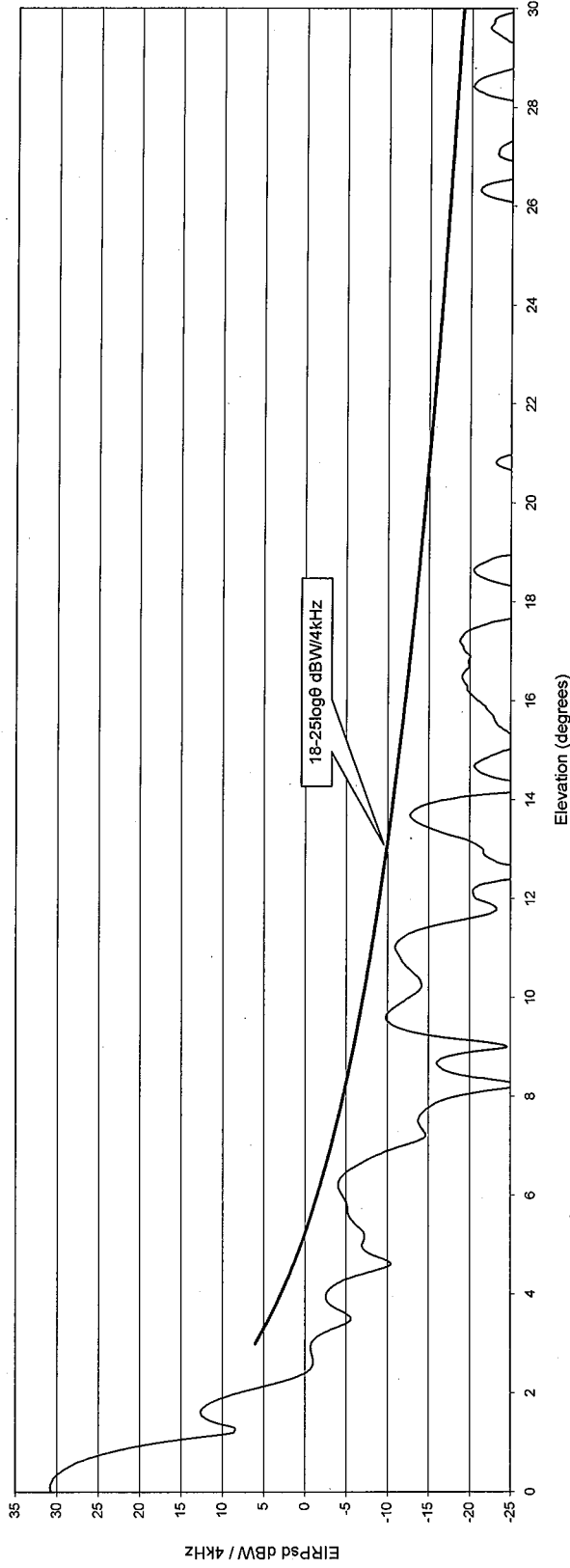
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	30.7	
0.1	30.8	
0.2	30.7	
0.3	30.3	
0.4	29.6	
0.5	28.7	
0.6	27.5	
0.7	25.8	
0.8	23.7	
0.9	21.1	
1.0	17.7	
1.1	13.3	
1.2	8.8	
1.3	8.6	
1.4	10.8	
1.5	12.2	
1.6	12.7	
1.7	12.4	
1.8	11.5	
1.9	10.1	
2.0	8.3	
2.1	6.0	
2.2	3.6	
2.3	1.6	
2.4	0.1	
2.5	-0.7	
2.6	-1.0	
2.7	-1.0	
2.8	-0.8	
2.9	-0.7	
3.0	-0.7	6.1
3.1	-1.1	5.7
3.2	-2.1	5.4
3.3	-3.3	5.0
3.4	-4.8	4.7
3.5	-5.6	4.4
3.6	-5.1	4.1
3.7	-4.0	3.8
3.8	-3.0	3.5
3.9	-2.6	3.2
4.0	-2.6	2.9
4.1	-2.9	2.7
4.2	-3.7	2.4
4.3	-4.9	2.2
4.4	-6.7	1.9
4.5	-8.9	1.7
4.6	-10.4	1.4
4.7	-9.7	1.2
4.8	-8.1	1.0
4.9	-7.2	0.7
5.0	-6.9	0.5
5.1	-7.1	0.3
5.2	-7.2	0.1
5.3	-6.9	-0.1
5.4	-6.2	-0.3
5.5	-5.7	-0.5
5.6	-5.3	-0.7
5.7	-5.1	-0.9

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
10.0	-12.5	-7.0
10.5	-13.2	-7.5
11.0	-10.9	-8.0
11.5	-16.8	-8.5
12.0	-20.8	-9.0
12.5	-29.4	-9.4
13.0	-21.6	-9.8
13.5	-14.1	-10.3
14.0	-17.0	-10.7
14.5	-22.0	-11.0
15.0	-24.4	-11.4
15.5	-23.5	-11.8
16.0	-21.0	-12.1
16.5	-19.0	-12.4
17.0	-19.4	-12.8
17.5	-21.2	-13.1
18.0	-37.6	-13.4
18.5	-21.3	-13.7
19.0	-26.7	-14.0
19.5	-27.4	-14.3
20.0	-36.8	-14.5
20.5	-29.3	-14.8
21.0	-26.0	-15.1
21.5	-25.1	-15.3
22.0	-28.2	-15.6
22.5	-47.4	-15.8
23.0	-27.9	-16.0
23.5	-37.1	-16.3
24.0	-26.6	-16.5
24.5	-33.8	-16.7
25.0	-27.7	-16.9
25.5	-30.8	-17.2
26.0	-27.6	-17.4
26.5	-23.5	-17.6
27.0	-23.4	-17.8
27.5	-25.1	-18.0
28.0	-33.1	-18.2
28.5	-20.5	-18.4
29.0	-32.2	-18.6
29.5	-23.1	-18.7
30.0	-27.6	-18.9

Cobham SATCOM, Sea Tel Products
 1.5 meter EIRPsd, VV Co-Pol, Elevation, E-Plane (B)

14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



15

Plot Parameters	
Input sd	-14.0
Gain	44.99
Cal Factor	46.23
Peak Excursions dB	3° to 30°
	-2.14
% Over	0%

File:
 NewFeed_6006_WD_Tx1Sea2.txt

16

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-22.5	-16.0
-9.9	-22.9	-16.0
-9.8	-22.8	-16.0
-9.7	-23.6	-16.0
-9.6	-23.8	-16.0
-9.5	-23.3	-16.0
-9.4	-24.0	-16.0
-9.3	-23.7	-16.0
-9.2	-23.7	-16.0
-9.1	-23.7	-16.0
-9.0	-23.5	-16.0
-8.9	-23.4	-16.0
-8.8	-23.1	-16.0
-8.7	-22.6	-16.0
-8.6	-21.8	-16.0
-8.5	-21.4	-16.0
-8.4	-20.9	-16.0
-8.3	-20.3	-16.0
-8.2	-19.9	-16.0
-8.1	-19.8	-16.0
-8.0	-19.6	-16.0
-7.9	-19.7	-16.0
-7.8	-19.6	-16.0
-7.7	-19.5	-16.0
-7.6	-20.1	-16.0
-7.5	-20.1	-16.0
-7.4	-20.3	-16.0
-7.3	-20.5	-16.0
-7.2	-20.7	-16.0
-7.1	-20.7	-16.0
-7.0	-20.6	-16.0
-6.9	-20.6	-16.0
-6.8	-20.7	-15.8
-6.7	-20.7	-15.7
-6.6	-21.0	-15.5
-6.5	-21.4	-15.3
-6.4	-21.6	-15.2
-6.3	-22.4	-15.0
-6.2	-22.6	-14.8
-6.1	-23.8	-14.6
-6.0	-24.6	-14.5
-5.9	-26.0	-14.3
-5.8	-27.1	-14.1
-5.7	-28.7	-13.9
-5.6	-32.8	-13.7
-5.5	-33.9	-13.5
-5.4	-35.2	-13.3
-5.3	-32.7	-13.1
-5.2	-31.4	-12.9
-5.1	-29.8	-12.7
-5.0	-28.6	-12.5
-4.9	-29.3	-12.3
-4.8	-29.5	-12.0
-4.7	-30.4	-11.8
-4.6	-32.1	-11.6
-4.5	-34.2	-11.3
-4.4	-34.6	-11.1
-4.3	-37.1	-10.8

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	-15.1	
0.1	-9.7	
0.2	-6.4	
0.3	-4.5	
0.4	-3.1	
0.5	-2.6	
0.6	-2.3	
0.7	-2.7	
0.8	-3.4	
0.9	-4.5	
1.0	-6.2	
1.1	-8.1	
1.2	-10.6	
1.3	-13.0	
1.4	-13.9	
1.5	-13.2	
1.6	-12.3	
1.7	-11.2	
1.8	-11.0	-1.4
1.9	-11.0	-2.0
2.0	-11.5	-2.5
2.1	-12.5	-3.1
2.2	-13.9	-3.6
2.3	-15.8	-4.0
2.4	-18.3	-4.5
2.5	-21.5	-4.9
2.6	-23.3	-5.4
2.7	-22.7	-5.8
2.8	-21.2	-6.2
2.9	-19.2	-6.6
3.0	-18.4	-6.9
3.1	-18.1	-7.3
3.2	-18.2	-7.6
3.3	-18.5	-8.0
3.4	-19.2	-8.3
3.5	-19.7	-8.6
3.6	-20.2	-8.9
3.7	-20.1	-9.2
3.8	-19.9	-9.5
3.9	-19.3	-9.8
4.0	-18.7	-10.1
4.1	-18.7	-10.3
4.2	-18.7	-10.6
4.3	-19.0	-10.8
4.4	-19.6	-11.1
4.5	-20.5	-11.3
4.6	-21.5	-11.6
4.7	-23.2	-11.8
4.8	-24.7	-12.0
4.9	-26.3	-12.3
5.0	-26.4	-12.5
5.1	-25.9	-12.7
5.2	-24.5	-12.9
5.3	-24.1	-13.1
5.4	-23.2	-13.3
5.5	-22.2	-13.5
5.6	-22.0	-13.7
5.7	-21.9	-13.9

16

Cobham SATCOM, Sea Tel Products

1.5m EIRPsd Data Table

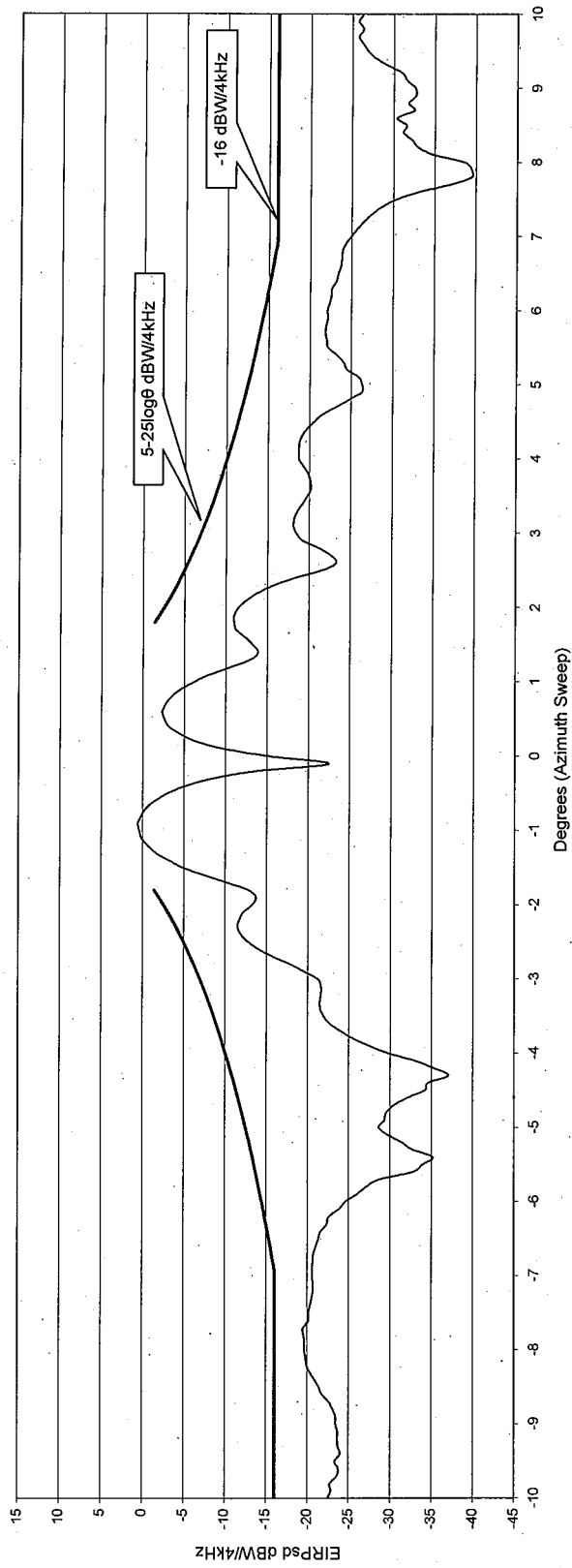
Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

-4.2	-35.2	-10.6
-4.1	-32.9	-10.3
-4.0	-29.8	-10.1
-3.9	-27.5	-9.8
-3.8	-25.5	-9.5
-3.7	-24.0	-9.2
-3.6	-22.6	-8.9
-3.5	-22.0	-8.6
-3.4	-21.5	-8.3
-3.3	-21.5	-8.0
-3.2	-21.6	-7.6
-3.1	-21.7	-7.3
-3.0	-21.2	-6.9
-2.9	-19.6	-6.6
-2.8	-17.9	-6.2
-2.7	-15.7	-5.8
-2.6	-14.1	-5.4
-2.5	-12.8	-4.9
-2.4	-11.9	-4.5
-2.3	-11.5	-4.0
-2.2	-11.7	-3.6
-2.1	-12.2	-3.1
-2.0	-13.2	-2.5
-1.9	-13.7	-2.0
-1.8	-12.7	-1.4
-1.7	-10.1	
-1.6	-7.3	
-1.5	-4.8	
-1.4	-3.1	
-1.3	-1.6	
-1.2	-0.6	
-1.1	0.2	
-1.0	0.4	
-0.9	0.6	
-0.8	0.2	
-0.7	-0.4	
-0.6	-1.5	
-0.5	-3.0	
-0.4	-5.1	
-0.3	-8.5	
-0.2	-13.7	
-0.1	-22.5	
0.0	-15.1	

5.8	-21.9	-14.1
5.9	-22.2	-14.3
6.0	-22.1	-14.5
6.1	-22.3	-14.6
6.2	-22.5	-14.8
6.3	-22.6	-15.0
6.4	-23.2	-15.2
6.5	-23.4	-15.3
6.6	-23.7	-15.5
6.7	-23.8	-15.7
6.8	-23.9	-15.8
6.9	-24.2	-16.0
7.0	-24.9	-16.0
7.1	-25.6	-16.0
7.2	-26.4	-16.0
7.3	-27.4	-16.0
7.4	-28.6	-16.0
7.5	-30.3	-16.0
7.6	-33.1	-16.0
7.7	-36.8	-16.0
7.8	-39.4	-16.0
7.9	-39.5	-16.0
8.0	-38.6	-16.0
8.1	-34.9	-16.0
8.2	-33.0	-16.0
8.3	-32.2	-16.0
8.4	-31.2	-16.0
8.5	-31.6	-16.0
8.6	-30.4	-16.0
8.7	-32.5	-16.0
8.8	-31.8	-16.0
8.9	-32.7	-16.0
9.0	-32.7	-16.0
9.1	-31.6	-16.0
9.2	-31.1	-16.0
9.3	-29.4	-16.0
9.4	-27.8	-16.0
9.5	-26.9	-16.0
9.6	-26.2	-16.0
9.7	-25.8	-16.0
9.8	-26.3	-16.0
9.9	-25.8	-16.0
10.0	-26.2	-16.0

Cobnam SATCOM, Sea Tel Products
 1.5 meter EIRPsd, HV X-Pol, Azimuth, H-Plane (C)

14.25 GHz @ -14 dBW / 4 kHz, 0.2 dB Radome Loss



16

Plot Parameters
 Pin sd -14
 Gain 44.99
 Cal Factor 46.46

Peak Excursions dB
 1.8° to 7° 7° to 180°
 -4.64 -3.48

File: NewFeed_6006_WD_TxSea4.txt

% Over
 0.00

17

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1deg (A)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-24.4	-7.1
-9.9	-20.2	-6.9
-9.8	-19.5	-6.8
-9.7	-17.7	-6.7
-9.6	-18.0	-6.6
-9.5	-15.5	-6.5
-9.4	-15.9	-6.4
-9.3	-15.8	-6.3
-9.2	-15.1	-6.2
-9.1	-15.1	-6.0
-9.0	-15.8	-6.0
-8.9	-17.9	-6.0
-8.8	-17.2	-6.0
-8.7	-15.1	-6.0
-8.6	-15.6	-6.0
-8.5	-15.5	-6.0
-8.4	-17.9	-6.0
-8.3	-22.4	-6.0
-8.2	-22.0	-6.0
-8.1	-17.2	-6.0
-8.0	-14.5	-6.0
-7.9	-12.7	-6.0
-7.8	-11.7	-6.0
-7.7	-12.8	-6.0
-7.6	-15.6	-6.0
-7.5	-18.1	-6.0
-7.4	-13.8	-6.0
-7.3	-10.5	-6.0
-7.2	-8.6	-6.0
-7.1	-8.2	-6.0
-7.0	-9.4	-6.0
-6.9	-10.6	-6.0
-6.8	-13.6	-5.9
-6.7	-18.2	-5.7
-6.6	-28.5	-5.6
-6.5	-17.9	-5.4
-6.4	-12.6	-5.2
-6.3	-10.7	-5.1
-6.2	-10.6	-4.9
-6.1	-12.2	-4.7
-6.0	-13.7	-4.5
-5.9	-12.7	-4.4
-5.8	-10.3	-4.2
-5.7	-8.8	-4.0
-5.6	-7.1	-3.8
-5.5	-6.0	-3.6
-5.4	-5.6	-3.4
-5.3	-7.5	-3.2
-5.2	-10.5	-3.0
-5.1	-15.3	-2.8
-5.0	-29.6	-2.6
-4.9	-22.3	-2.4
-4.8	-22.2	-2.1
-4.7	-14.9	-1.9
-4.6	-10.2	-1.7
-4.5	-7.4	-1.5
-4.4	-6.4	-1.2

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	33.3	
0.1	33.7	
0.2	33.5	
0.3	32.8	
0.4	31.5	
0.5	30.0	
0.6	28.3	
0.7	26.3	
0.8	24.1	
0.9	21.7	
1.0	18.2	
1.1	15.1	
1.2	10.0	
1.3	6.6	
1.4	2.2	
1.5	-15.5	10.7
1.6	-0.1	10.2
1.7	3.0	9.6
1.8	2.7	8.3
1.9	0.6	7.7
2.0	-1.3	7.2
2.1	-1.2	6.7
2.2	-2.3	6.2
2.3	-6.1	5.7
2.4	-18.5	5.3
2.5	-10.7	4.8
2.6	-7.5	4.4
2.7	-8.8	4.0
2.8	-11.8	3.6
2.9	-11.9	3.3
3.0	-10.4	2.9
3.1	-10.3	2.5
3.2	-9.5	2.2
3.3	-8.5	1.9
3.4	-7.0	1.6
3.5	-5.8	1.2
3.6	-6.7	0.9
3.7	-7.1	0.6
3.8	-8.9	0.4
3.9	-10.1	0.1
4.0	-10.7	-0.2
4.1	-9.6	-0.5
4.2	-8.9	-0.7
4.3	-10.3	-1.0
4.4	-15.0	-1.2
4.5	-26.1	-1.5
4.6	-17.4	-1.7
4.7	-15.6	-1.9
4.8	-15.3	-2.1
4.9	-18.8	-2.4
5.0	-24.4	-2.6
5.1	-21.0	-2.8
5.2	-25.4	-3.0
5.3	-19.1	-3.2
5.4	-15.5	-3.4
5.5	-14.0	-3.6
5.6	-14.1	-3.8

17

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1deg (A)

-4.3	-6.6	-1.0
-4.2	-7.8	-0.7
-4.1	-8.9	-0.5
-4.0	-9.1	-0.2
-3.9	-7.8	0.1
-3.8	-6.0	0.4
-3.7	-3.8	0.6
-3.6	-2.4	0.9
-3.5	-2.4	1.2
-3.4	-2.9	1.6
-3.3	-4.1	1.9
-3.2	-4.6	2.2
-3.1	-4.5	2.5
-3.0	-3.1	2.9
-2.9	-1.1	3.3
-2.8	0.2	3.6
-2.7	0.6	4.0
-2.6	-0.3	4.4
-2.5	-1.4	4.8
-2.4	-2.3	5.3
-2.3	-3.5	5.7
-2.2	-5.0	6.2
-2.1	-2.5	6.7
-2.0	1.0	7.2
-1.9	1.9	7.7
-1.8	2.2	8.3
-1.7	2.1	8.9
-1.6	2.6	9.6
-1.5	2.8	10.2
-1.4	0.4	
-1.3	-7.3	
-1.2	-1.1	
-1.1	9.4	
-1.0	11.7	
-0.9	13.4	
-0.8	17.7	
-0.7	21.9	
-0.6	24.3	
-0.5	26.5	
-0.4	28.2	
-0.3	29.5	
-0.2	31.1	
-0.1	32.3	
0.0	33.3	

5.7	-15.6	-4.0
5.8	-16.8	-4.2
5.9	-16.6	-4.4
6.0	-17.4	-4.5
6.1	-20.4	-4.7
6.2	-25.9	-4.9
6.3	-35.2	-5.1
6.4	-44.9	-5.2
6.5	-28.6	-5.4
6.6	-23.7	-5.6
6.7	-20.5	-5.7
6.8	-15.8	-5.9
6.9	-11.9	-6.0
7.0	-9.6	-6.0
7.1	-9.2	-6.0
7.2	-9.8	-6.0
7.3	-13.3	-6.0
7.4	-20.8	-6.0
7.5	-20.7	-6.0
7.6	-16.1	-6.0
7.7	-13.9	-6.0
7.8	-13.6	-6.0
7.9	-14.1	-6.0
8.0	-15.7	-6.0
8.1	-18.2	-6.0
8.2	-20.1	-6.0
8.3	-17.3	-6.0
8.4	-13.9	-6.0
8.5	-13.9	-6.0
8.6	-14.9	-6.0
8.7	-18.7	-6.0
8.8	-21.6	-6.0
8.9	-19.8	-6.0
9.0	-15.2	-6.0
9.1	-13.0	-6.0
9.2	-11.8	-6.2
9.3	-11.4	-6.3
9.4	-12.0	-6.4
9.5	-12.6	-6.5
9.6	-13.4	-6.6
9.7	-13.1	-6.7
9.8	-13.8	-6.8
9.9	-14.4	-6.9
10.0	-15.0	-7.1

17

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-179.0	-32.3	-14.0
-178.0	-34.3	-14.0
-177.0	-31.7	-14.0
-176.0	-29.1	-14.0
-175.0	-30.2	-14.0
-174.0	-37.0	-14.0
-173.0	-31.1	-14.0
-172.0	-32.9	-14.0
-171.0	-29.5	-14.0
-170.0	-31.8	-14.0
-169.0	-36.2	-14.0
-168.0	-32.7	-14.0
-167.0	-32.1	-14.0
-166.0	-30.7	-14.0
-165.0	-33.9	-14.0
-164.0	-39.2	-14.0
-163.0	-42.2	-14.0
-162.0	-30.7	-14.0
-161.0	-30.2	-14.0
-160.0	-31.2	-14.0
-159.0	-35.9	-14.0
-158.0	-27.1	-14.0
-157.0	-31.4	-14.0
-156.0	-36.2	-14.0
-155.0	-38.3	-14.0
-154.0	-27.9	-14.0
-153.0	-48.5	-14.0
-152.0	-30.5	-14.0
-151.0	-34.0	-14.0
-150.0	-34.1	-14.0
-149.0	-30.5	-14.0
-148.0	-32.5	-14.0
-147.0	-42.2	-14.0
-146.0	-31.9	-14.0
-145.0	-29.8	-14.0
-144.0	-42.7	-14.0
-143.0	-30.1	-14.0
-142.0	-36.4	-14.0
-141.0	-38.1	-14.0
-140.0	-27.8	-14.0
-139.0	-31.8	-14.0
-138.0	-32.3	-14.0
-137.0	-31.0	-14.0
-136.0	-33.1	-14.0
-135.0	-31.4	-14.0
-134.0	-28.2	-14.0
-133.0	-34.5	-14.0
-132.0	-32.3	-14.0
-131.0	-31.5	-14.0
-130.0	-32.1	-14.0
-129.0	-27.3	-14.0
-128.0	-28.8	-14.0
-127.0	-32.1	-14.0
-126.0	-30.9	-14.0
-125.0	-30.9	-14.0
-124.0	-33.8	-14.0
-123.0	-33.5	-14.0
-122.0	-33.3	-14.0

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	33.6	
1.0	15.9	
2.0	-1.3	7.5
3.0	-10.0	3.1
4.0	-9.7	-0.1
5.0	-21.9	-2.5
6.0	-19.6	-4.5
7.0	-9.1	-6.0
8.0	-17.1	-6.0
9.0	-13.5	-6.0
10.0	-15.0	-7.0
11.0	-17.3	-8.0
12.0	-19.4	-9.0
13.0	-20.2	-9.8
14.0	-32.9	-10.7
15.0	-20.1	-11.4
16.0	-23.4	-12.1
17.0	-28.0	-12.8
18.0	-21.3	-13.4
19.0	-25.7	-14.0
20.0	-22.0	-14.5
21.0	-40.2	-15.1
22.0	-24.2	-15.6
23.0	-20.9	-16.0
24.0	-20.7	-16.5
25.0	-28.6	-16.9
26.0	-20.8	-17.4
27.0	-39.8	-17.8
28.0	-23.0	-18.2
29.0	-20.6	-18.6
30.0	-35.2	-18.9
31.0	-30.9	-19.3
32.0	-25.2	-19.6
33.0	-21.2	-20.0
34.0	-30.8	-20.3
35.0	-28.3	-20.6
36.0	-19.5	-20.9
37.0	-23.5	-21.2
38.0	-31.9	-21.5
39.0	-24.7	-21.8
40.0	-39.5	-22.1
41.0	-24.3	-22.3
42.0	-32.2	-22.6
43.0	-29.1	-22.8
44.0	-23.7	-23.1
45.0	-30.4	-23.3
46.0	-31.2	-23.6
47.0	-27.3	-23.8
48.0	-35.3	-24.0
49.0	-28.8	-24.0
50.0	-25.3	-24.0
51.0	-31.0	-24.0
52.0	-27.1	-24.0
53.0	-33.8	-24.0
54.0	-32.9	-24.0
55.0	-36.6	-24.0
56.0	-32.2	-24.0
57.0	-27.6	-24.0

17

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-121.0	-29.5	-14.0
-120.0	-33.4	-14.0
-119.0	-28.1	-14.0
-118.0	-25.9	-14.0
-117.0	-28.1	-14.0
-116.0	-36.7	-14.0
-115.0	-32.7	-14.0
-114.0	-26.6	-14.0
-113.0	-29.8	-14.0
-112.0	-30.8	-14.0
-111.0	-25.1	-14.0
-110.0	-27.2	-14.0
-109.0	-25.8	-14.0
-108.0	-33.1	-14.0
-107.0	-26.3	-14.0
-106.0	-23.1	-14.0
-105.0	-28.2	-14.0
-104.0	-19.3	-14.0
-103.0	-22.1	-14.0
-102.0	-19.6	-14.0
-101.0	-16.5	-14.0
-100.0	-19.9	-14.0
-99.0	-20.0	-14.0
-98.0	-21.0	-14.0
-97.0	-38.6	-14.0
-96.0	-23.6	-14.0
-95.0	-23.5	-14.0
-94.0	-28.6	-14.0
-93.0	-26.2	-14.0
-92.0	-26.4	-14.0
-91.0	-33.7	-14.0
-90.0	-29.7	-14.0
-89.0	-29.0	-14.0
-88.0	-34.1	-14.0
-87.0	-29.9	-14.0
-86.0	-28.0	-14.0
-85.0	-30.3	-24.0
-84.0	-26.8	-24.0
-83.0	-30.9	-24.0
-82.0	-29.7	-24.0
-81.0	-24.3	-24.0
-80.0	-29.9	-24.0
-79.0	-25.7	-24.0
-78.0	-25.8	-24.0
-77.0	-35.8	-24.0
-76.0	-29.7	-24.0
-75.0	-26.7	-24.0
-74.0	-42.9	-24.0
-73.0	-26.0	-24.0
-72.0	-30.7	-24.0
-71.0	-26.6	-24.0
-70.0	-29.4	-24.0
-69.0	-34.4	-24.0
-68.0	-31.4	-24.0
-67.0	-36.6	-24.0
-66.0	-29.9	-24.0
-65.0	-26.1	-24.0
-64.0	-31.1	-24.0
-63.0	-30.1	-24.0
-62.0	-44.3	-24.0
-61.0	-31.2	-24.0

58.0	-25.1	-24.0
59.0	-27.1	-24.0
60.0	-29.9	-24.0
61.0	-26.4	-24.0
62.0	-49.8	-24.0
63.0	-34.9	-24.0
64.0	-30.1	-24.0
65.0	-31.3	-24.0
66.0	-30.7	-24.0
67.0	-32.6	-24.0
68.0	-38.3	-24.0
69.0	-31.3	-24.0
70.0	-31.4	-24.0
71.0	-33.3	-24.0
72.0	-27.0	-24.0
73.0	-31.0	-24.0
74.0	-34.0	-24.0
75.0	-33.4	-24.0
76.0	-34.5	-24.0
77.0	-26.4	-24.0
78.0	-26.8	-24.0
79.0	-38.8	-24.0
80.0	-27.0	-24.0
81.0	-39.7	-24.0
82.0	-28.8	-24.0
83.0	-33.1	-24.0
84.0	-33.0	-24.0
85.0	-28.5	-14.0
86.0	-28.3	-14.0
87.0	-28.5	-14.0
88.0	-24.7	-14.0
89.0	-29.8	-14.0
90.0	-27.7	-14.0
91.0	-27.6	-14.0
92.0	-26.8	-14.0
93.0	-23.5	-14.0
94.0	-21.5	-14.0
95.0	-26.0	-14.0
96.0	-23.0	-14.0
97.0	-20.3	-14.0
98.0	-21.7	-14.0
99.0	-24.2	-14.0
100.0	-20.7	-14.0
101.0	-23.2	-14.0
102.0	-19.8	-14.0
103.0	-21.0	-14.0
104.0	-21.1	-14.0
105.0	-19.4	-14.0
106.0	-24.0	-14.0
107.0	-23.7	-14.0
108.0	-22.4	-14.0
109.0	-29.1	-14.0
110.0	-29.4	-14.0
111.0	-25.0	-14.0
112.0	-36.4	-14.0
113.0	-30.2	-14.0
114.0	-31.5	-14.0
115.0	-30.8	-14.0
116.0	-39.0	-14.0
117.0	-38.1	-14.0
118.0	-28.3	-14.0

17

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table

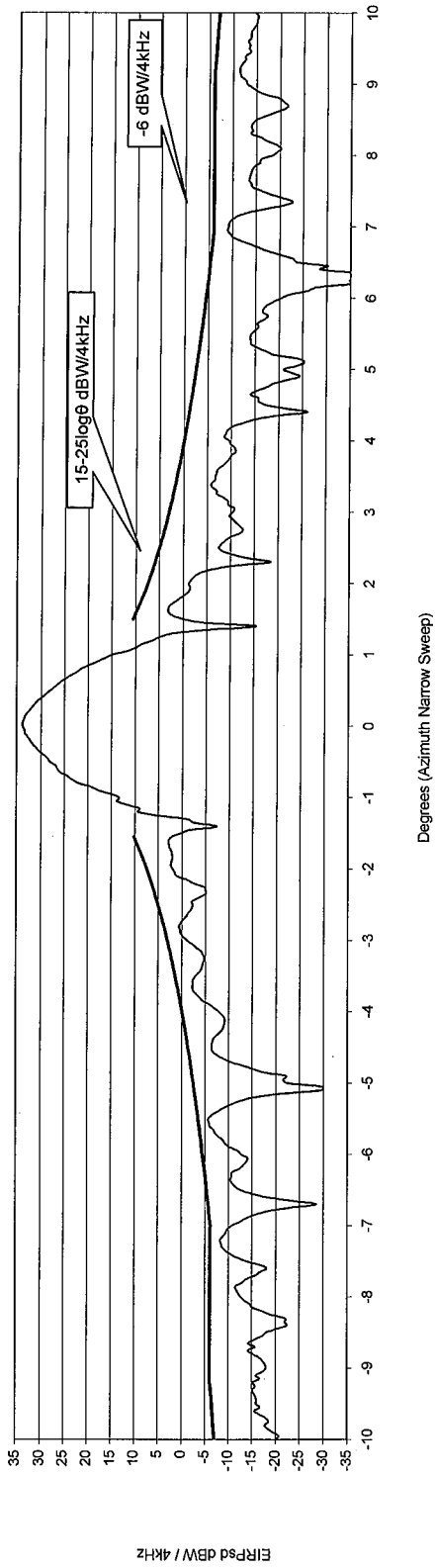
Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-60.0	-29.0	-24.0
-59.0	-53.1	-24.0
-58.0	-28.7	-24.0
-57.0	-40.8	-24.0
-56.0	-32.3	-24.0
-55.0	-36.3	-24.0
-54.0	-30.9	-24.0
-53.0	-28.3	-24.0
-52.0	-29.7	-24.0
-51.0	-41.9	-24.0
-50.0	-35.7	-24.0
-49.0	-29.4	-24.0
-48.0	-30.9	-24.0
-47.0	-26.0	-23.8
-46.0	-27.1	-23.6
-45.0	-26.0	-23.3
-44.0	-30.1	-23.1
-43.0	-42.3	-22.8
-42.0	-29.7	-22.6
-41.0	-26.3	-22.3
-40.0	-25.9	-22.1
-39.0	-28.9	-21.8
-38.0	-29.7	-21.5
-37.0	-24.3	-21.2
-36.0	-30.5	-20.9
-35.0	-22.5	-20.6
-34.0	-23.2	-20.3
-33.0	-23.7	-20.0
-32.0	-26.1	-19.6
-31.0	-25.6	-19.3
-30.0	-25.1	-18.9
-29.0	-39.2	-18.6
-28.0	-24.0	-18.2
-27.0	-25.8	-17.8
-26.0	-32.2	-17.4
-25.0	-25.9	-16.9
-24.0	-28.5	-16.5
-23.0	-24.4	-16.0
-22.0	-29.1	-15.6
-21.0	-21.8	-15.1
-20.0	-27.1	-14.5
-19.0	-27.4	-14.0
-18.0	-25.7	-13.4
-17.0	-22.7	-12.8
-16.0	-32.4	-12.1
-15.0	-27.8	-11.4
-14.0	-23.1	-10.7
-13.0	-22.2	-9.8
-12.0	-16.0	-9.0
-11.0	-19.1	-8.0
-10.0	-21.4	-7.0
-9.0	-17.6	-6.0
-8.0	-13.0	-6.0
-7.0	-10.2	-6.1
-6.0	-13.4	-4.5
-5.0	-26.0	-2.5
-4.0	-8.2	-0.1
-3.0	-1.7	3.1
-2.0	1.7	7.5
-1.0	13.6	
0.0	33.6	

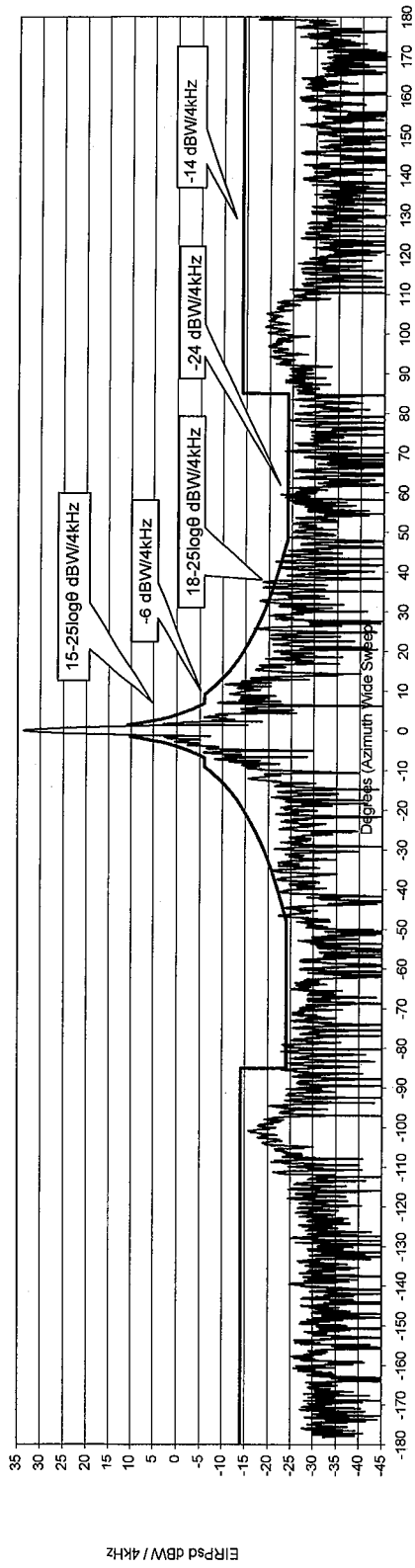
119.0	-28.9	-14.0
120.0	-39.9	-14.0
121.0	-38.3	-14.0
122.0	-33.0	-14.0
123.0	-33.1	-14.0
124.0	-28.6	-14.0
125.0	-31.4	-14.0
126.0	-34.7	-14.0
127.0	-30.5	-14.0
128.0	-29.7	-14.0
129.0	-33.7	-14.0
130.0	-34.9	-14.0
131.0	-34.1	-14.0
132.0	-29.9	-14.0
133.0	-36.1	-14.0
134.0	-44.4	-14.0
135.0	-32.4	-14.0
136.0	-36.2	-14.0
137.0	-37.3	-14.0
138.0	-40.6	-14.0
139.0	-28.3	-14.0
140.0	-32.4	-14.0
141.0	-33.3	-14.0
142.0	-31.5	-14.0
143.0	-33.1	-14.0
144.0	-44.0	-14.0
145.0	-32.5	-14.0
146.0	-28.6	-14.0
147.0	-32.9	-14.0
148.0	-40.0	-14.0
149.0	-35.6	-14.0
150.0	-35.8	-14.0
151.0	-35.1	-14.0
152.0	-33.2	-14.0
153.0	-29.8	-14.0
154.0	-41.6	-14.0
155.0	-42.1	-14.0
156.0	-44.8	-14.0
157.0	-30.6	-14.0
158.0	-36.8	-14.0
159.0	-27.8	-14.0
160.0	-28.3	-14.0
161.0	-34.5	-14.0
162.0	-29.0	-14.0
163.0	-29.3	-14.0
164.0	-29.7	-14.0
165.0	-30.7	-14.0
166.0	-40.6	-14.0
167.0	-34.1	-14.0
168.0	-38.5	-14.0
169.0	-33.8	-14.0
170.0	-38.7	-14.0
171.0	-46.6	-14.0
172.0	-34.1	-14.0
173.0	-36.0	-14.0
174.0	-34.6	-14.0
175.0	-27.3	-14.0
176.0	-32.6	-14.0
177.0	-36.7	0.0
178.0	-34.2	0.0
179.0	-31.3	0.0

Cobham SATCOM, Sea Tel Products
 2.4m Ku EIRPsd, Co-Pol, Azimuth, E-Plane (A)

14.25 GHz @ -14 dBW / 4 kHz, 0.7 dB Radome Loss



14.25 GHz @ -14 dBW / 4 kHz, 0.7 dB Radome Loss



File
 E:\Loop Canyon\AcquiredData\AZI_1425_HOR.mdb

Plot Parameters

Input sd	Gain	Cal Factor
-14.0	48.48	67.8

Peak Excursions dB
 1.5° to 7° to 180°
 -2.21 2.2

% Over
 1%

17

18

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table
 Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

14.25 GHz @ -14 dBW / 4 kHz

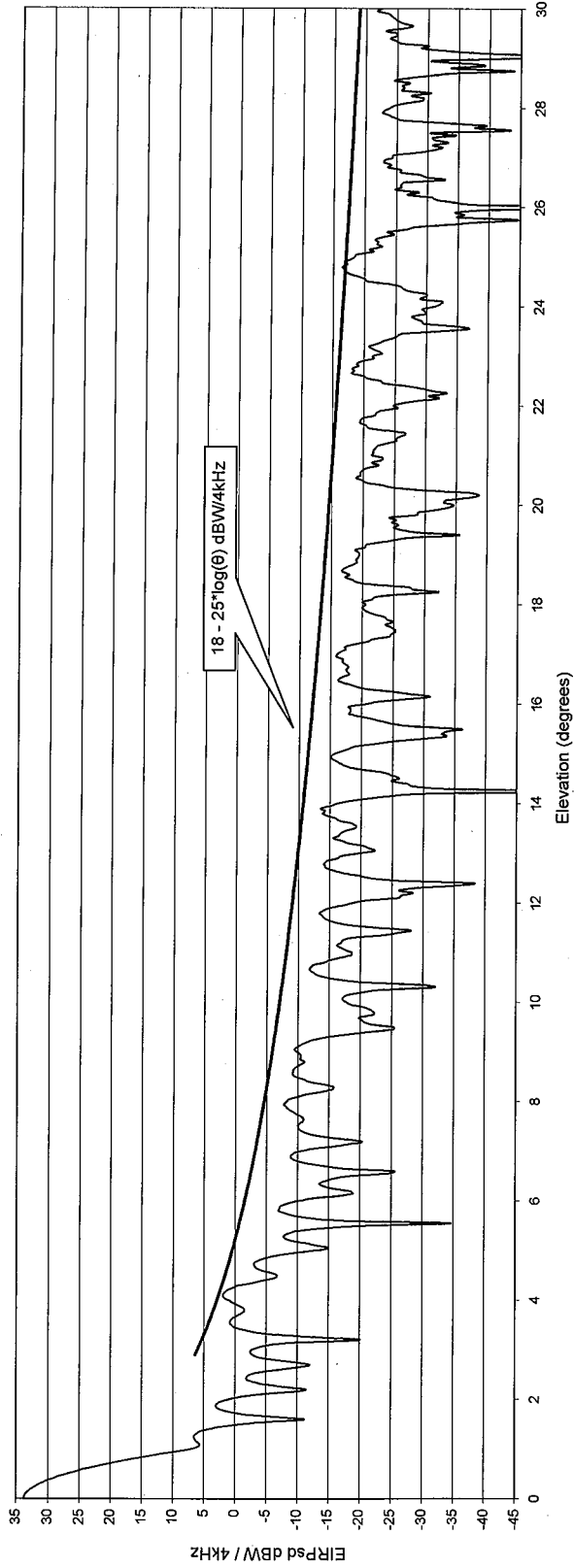
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	33.8	
0.1	33.5	
0.2	32.6	
0.3	31.3	
0.4	29.4	
0.5	27.0	
0.6	24.1	
0.7	20.6	
0.8	16.6	
0.9	12.1	
1.0	7.2	
1.1	5.7	
1.2	6.4	
1.3	6.4	
1.4	4.5	
1.5	-0.6	
1.6	-11.2	
1.7	-1.6	
1.8	2.4	
1.9	3.1	
2.0	1.2	
2.1	-3.6	
2.2	-11.5	
2.3	-5.0	
2.4	-1.9	
2.5	-2.3	
2.6	-6.9	
2.7	-12.1	
2.8	-6.4	
2.9	-2.8	
3.0	-2.6	6.4
3.1	-5.7	6.1
3.2	-20.1	5.7
3.3	-7.4	5.4
3.4	-1.6	5.0
3.5	0.6	4.7
3.6	0.8	4.4
3.7	-0.4	4.1
3.8	-1.5	3.8
3.9	-0.4	3.5
4.0	1.0	3.2
4.1	1.9	2.9
4.2	1.3	2.7
4.3	-0.6	2.4
4.4	-4.5	2.2
4.5	-6.7	1.9
4.6	-4.3	1.7
4.7	-3.1	1.4
4.8	-3.7	1.2
4.9	-6.6	1.0
5.0	-12.7	0.7
5.1	-13.2	0.5
5.2	-8.9	0.3
5.3	-7.8	0.1
5.4	-10.2	-0.1
5.5	-20.8	-0.3
5.6	-17.7	-0.5

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
10.0	-17.7	-6.9
10.5	-14.4	-7.4
11.0	-18.6	-7.9
11.5	-22.9	-8.4
12.0	-18.6	-8.9
12.5	-21.4	-9.3
13.0	-19.6	-9.8
13.5	-18.9	-10.2
14.0	-16.1	-10.6
14.5	-26.0	-11.0
15.0	-15.6	-11.3
15.5	-36.1	-11.7
16.0	-20.7	-12.0
16.5	-16.2	-12.4
17.0	-15.9	-12.7
17.5	-25.2	-13.0
18.0	-20.5	-13.3
18.5	-18.3	-13.6
19.0	-19.5	-13.9
19.5	-26.2	-14.2
20.0	-34.6	-14.5
20.5	-19.8	-14.7
21.0	-21.4	-15.0
21.5	-23.5	-15.3
22.0	-24.7	-15.5
22.5	-22.7	-15.8
23.0	-21.4	-16.0
23.5	-31.8	-16.2
24.0	-31.4	-16.5
24.5	-20.6	-16.7
25.0	-18.3	-16.9
25.5	-23.6	-17.1
26.0	-65.1	-17.3
26.5	-26.3	-17.5
27.0	-24.3	-17.7
27.5	-30.6	-17.9
28.0	-23.8	-18.1
28.5	-27.0	-18.3
29.0	-42.7	-18.5
29.5	-24.9	-18.7
30.0	-22.5	-18.9

Cobham SATCOM, Sea Tel Products
 2.4m Ku EIRPsd, Co-Pol, Elevation, H-Plane (B)

14.25 GHz @ -14 dBW / 4 kHz, 0.7 dB Radome Loss



18

Plot Parameters
 Input sd -14.0
 Gain 48.48
 Cal Factor 68.2
 Peak Excursions dB 3° to 30°
 0.41
 % Over 0%

File
 E:\Loop Canyon\AcquiredData\ELE_1425_HOR.mdb

19

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table
 Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-26.4	-16.0
-9.9	-24.5	-16.0
-9.8	-26.1	-16.0
-9.7	-25.8	-16.0
-9.6	-25.2	-16.0
-9.5	-24.9	-16.0
-9.4	-25.1	-16.0
-9.3	-25.0	-16.0
-9.2	-26.3	-16.0
-9.1	-25.9	-16.0
-9.0	-27.2	-16.0
-8.9	-24.8	-16.0
-8.8	-24.1	-16.0
-8.7	-25.0	-16.0
-8.6	-23.0	-16.0
-8.5	-24.5	-16.0
-8.4	-25.3	-16.0
-8.3	-25.7	-16.0
-8.2	-24.9	-16.0
-8.1	-23.9	-16.0
-8.0	-23.1	-16.0
-7.9	-24.1	-16.0
-7.8	-24.6	-16.0
-7.7	-24.6	-16.0
-7.6	-31.1	-16.0
-7.5	-28.9	-16.0
-7.4	-27.1	-16.0
-7.3	-23.5	-16.0
-7.2	-20.9	-16.0
-7.1	-20.7	-16.0
-7.0	-23.5	-16.0
-6.9	-25.4	-16.0
-6.8	-25.7	-15.8
-6.7	-25.7	-15.7
-6.6	-29.3	-15.5
-6.5	-30.9	-15.3
-6.4	-26.7	-15.2
-6.3	-25.3	-15.0
-6.2	-27.3	-14.8
-6.1	-35.2	-14.6
-6.0	-31.6	-14.5
-5.9	-32.0	-14.3
-5.8	-27.9	-14.1
-5.7	-22.9	-13.9
-5.6	-20.5	-13.7
-5.5	-18.3	-13.5
-5.4	-18.0	-13.3
-5.3	-19.3	-13.1
-5.2	-18.8	-12.9
-5.1	-18.0	-12.7
-5.0	-17.7	-12.5
-4.9	-17.9	-12.3
-4.8	-18.0	-12.0
-4.7	-16.6	-11.8
-4.6	-17.5	-11.6
-4.5	-19.8	-11.3
-4.4	-24.5	-11.1
-4.3	-26.8	-10.8

14.25 GHz @ -14 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	9.4	
0.1	11.6	
0.2	12.2	
0.3	11.7	
0.4	10.7	
0.5	10.0	
0.6	9.2	
0.7	8.1	
0.8	5.7	
0.9	2.1	
1.0	-1.0	
1.1	-1.8	
1.2	-3.5	
1.3	-6.6	
1.4	-9.7	
1.5	-7.4	
1.6	-6.7	
1.7	-8.6	
1.8	-12.1	-1.4
1.9	-9.6	-2.0
2.0	-7.4	-2.5
2.1	-7.7	-3.1
2.2	-10.5	-3.6
2.3	-16.0	-4.0
2.4	-19.5	-4.5
2.5	-15.4	-4.9
2.6	-13.7	-5.4
2.7	-12.7	-5.8
2.8	-12.3	-6.2
2.9	-12.5	-6.6
3.0	-14.9	-6.9
3.1	-18.0	-7.3
3.2	-24.8	-7.6
3.3	-26.9	-8.0
3.4	-26.3	-8.3
3.5	-25.4	-8.6
3.6	-22.1	-8.9
3.7	-21.4	-9.2
3.8	-23.0	-9.5
3.9	-32.3	-9.8
4.0	-21.4	-10.1
4.1	-16.8	-10.3
4.2	-16.4	-10.6
4.3	-18.1	-10.8
4.4	-25.0	-11.1
4.5	-35.7	-11.3
4.6	-40.8	-11.6
4.7	-28.8	-11.8
4.8	-22.8	-12.0
4.9	-19.6	-12.3
5.0	-19.0	-12.5
5.1	-21.1	-12.7
5.2	-28.5	-12.9
5.3	-24.6	-13.1
5.4	-20.8	-13.3
5.5	-19.7	-13.5
5.6	-20.7	-13.7
5.7	-21.1	-13.9

19

Cobham SATCOM, Sea Tel Products

2.4m Ku EIRPsd Data Table

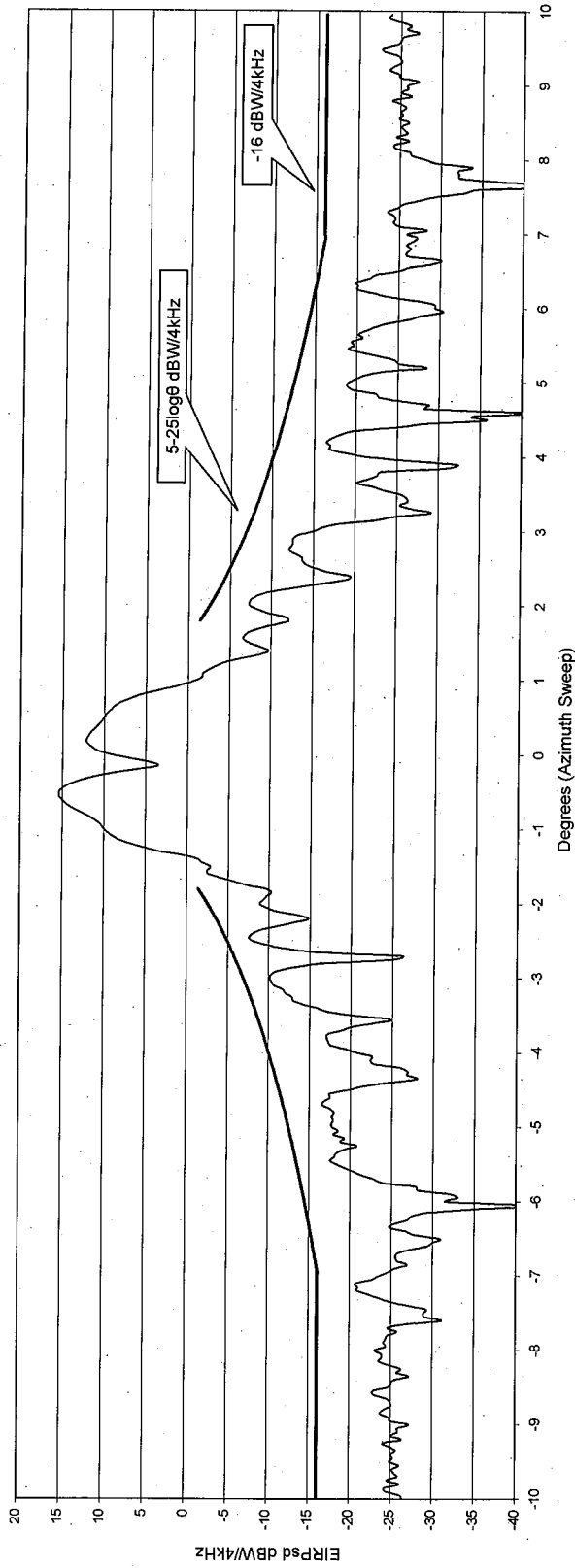
Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

-4.2	-26.0	-10.6
-4.1	-22.4	-10.3
-4.0	-20.7	-10.1
-3.9	-17.5	-9.8
-3.8	-17.1	-9.5
-3.7	-18.9	-9.2
-3.6	-23.0	-8.9
-3.5	-20.6	-8.6
-3.4	-15.9	-8.3
-3.3	-13.0	-8.0
-3.2	-12.0	-7.6
-3.1	-10.8	-7.3
-3.0	-10.2	-6.9
-2.9	-11.1	-6.6
-2.8	-16.5	-6.2
-2.7	-26.1	-5.8
-2.6	-12.0	-5.4
-2.5	-8.0	-4.9
-2.4	-8.0	-4.5
-2.3	-11.0	-4.0
-2.2	-14.8	-3.6
-2.1	-10.9	-3.1
-2.0	-8.8	-2.5
-1.9	-9.6	-2.0
-1.8	-9.6	-1.4
-1.7	-5.6	
-1.6	-2.6	
-1.5	-2.8	
-1.4	-1.3	
-1.3	3.3	
-1.2	6.7	
-1.1	8.8	
-1.0	10.0	
-0.9	10.9	
-0.8	12.4	
-0.7	14.1	
-0.6	15.1	
-0.5	15.4	
-0.4	14.2	
-0.3	11.3	
-0.2	6.2	
-0.1	4.7	
0.0	9.4	

5.8	-23.9	-14.1
5.9	-27.8	-14.3
6.0	-29.4	-14.5
6.1	-27.1	-14.6
6.2	-21.9	-14.8
6.3	-20.1	-15.0
6.4	-21.4	-15.2
6.5	-24.9	-15.3
6.6	-29.1	-15.5
6.7	-26.0	-15.7
6.8	-26.4	-15.8
6.9	-26.7	-16.0
7.0	-25.9	-16.0
7.1	-25.0	-16.0
7.2	-24.5	-16.0
7.3	-23.6	-16.0
7.4	-25.4	-16.0
7.5	-29.3	-16.0
7.6	-34.6	-16.0
7.7	-38.2	-16.0
7.8	-32.2	-16.0
7.9	-33.7	-16.0
8.0	-28.1	-16.0
8.1	-26.1	-16.0
8.2	-24.3	-16.0
8.3	-24.5	-16.0
8.4	-25.4	-16.0
8.5	-26.0	-16.0
8.6	-25.3	-16.0
8.7	-25.7	-16.0
8.8	-24.1	-16.0
8.9	-25.0	-16.0
9.0	-25.8	-16.0
9.1	-25.0	-16.0
9.2	-23.7	-16.0
9.3	-25.0	-16.0
9.4	-24.5	-16.0
9.5	-22.8	-16.0
9.6	-25.0	-16.0
9.7	-27.1	-16.0
9.8	-26.2	-16.0
9.9	-23.6	-16.0
0.0	0.0	0.0

Cobnam SATCOM, Sea Tel Products
 2.4m Ku EIRPsd, X-Pol, Azimuth, H-Plane (C)

14.25 GHz @ -14 dBW / 4 kHz, 0.7 dB Radome Loss



19

Plot Parameters	
Pin sd	-14.0
Gain	48.48
Cal Factor	68.0
Peak Excursions dB	1.8° to 7° to 180°
	-2.85
% Over	0.00

File: E:\Loop Canyon\AcquiredData\14125_CP.mdb

20

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1deg (A)

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-21.0	-7.1
-9.9	-21.0	-6.9
-9.8	-20.1	-6.8
-9.7	-19.6	-6.7
-9.6	-19.4	-6.6
-9.5	-18.7	-6.5
-9.4	-18.4	-6.4
-9.3	-18.3	-6.3
-9.2	-18.0	-6.2
-9.1	-17.7	-6.0
-9.0	-17.7	-6.0
-8.9	-17.4	-6.0
-8.8	-17.0	-6.0
-8.7	-17.0	-6.0
-8.6	-17.0	-6.0
-8.5	-16.7	-6.0
-8.4	-16.5	-6.0
-8.3	-16.4	-6.0
-8.2	-16.3	-6.0
-8.1	-16.5	-6.0
-8.0	-16.3	-6.0
-7.9	-16.0	-6.0
-7.8	-16.1	-6.0
-7.7	-15.7	-6.0
-7.6	-15.6	-6.0
-7.5	-15.4	-6.0
-7.4	-14.8	-6.0
-7.3	-14.3	-6.0
-7.2	-14.1	-6.0
-7.1	-13.3	-6.0
-7.0	-12.7	-6.0
-6.9	-12.0	-6.0
-6.8	-11.6	-5.9
-6.7	-11.4	-5.7
-6.6	-10.9	-5.6
-6.5	-10.7	-5.4
-6.4	-10.6	-5.2
-6.3	-10.6	-5.1
-6.2	-10.5	-4.9
-6.1	-10.7	-4.7
-6.0	-10.9	-4.5
-5.9	-11.3	-4.4
-5.8	-11.8	-4.2
-5.7	-12.4	-4.0
-5.6	-12.9	-3.8
-5.5	-14.0	-3.6
-5.4	-14.6	-3.4
-5.3	-14.7	-3.2
-5.2	-14.9	-3.0
-5.1	-14.6	-2.8
-5.0	-13.6	-2.6
-4.9	-13.0	-2.4
-4.8	-12.1	-2.1
-4.7	-11.1	-1.9
-4.6	-10.4	-1.7
-4.5	-9.5	-1.5
-4.4	-8.7	-1.2

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	17.3	
0.1	17.4	
0.2	17.2	
0.3	17.1	
0.4	17.1	
0.5	16.8	
0.6	16.4	
0.7	16.3	
0.8	15.8	
0.9	15.2	
1.0	14.6	
1.1	14.0	
1.2	13.1	
1.3	12.6	
1.4	11.8	
1.5	10.7	10.7
1.6	10.2	10.2
1.7	8.6	9.6
1.8	7.0	8.3
1.9	6.0	7.7
2.0	4.3	7.2
2.1	3.0	6.7
2.2	0.4	6.2
2.3	-1.5	5.7
2.4	-3.0	5.3
2.5	-5.4	4.8
2.6	-6.3	4.4
2.7	-6.4	4.0
2.8	-5.2	3.6
2.9	-4.9	3.3
3.0	-4.2	2.9
3.1	-3.6	2.5
3.2	-3.5	2.2
3.3	-3.4	1.9
3.4	-3.3	1.6
3.5	-3.5	1.2
3.6	-3.8	0.9
3.7	-4.0	0.6
3.8	-4.6	0.4
3.9	-4.7	0.1
4.0	-5.6	-0.2
4.1	-6.3	-0.5
4.2	-6.9	-0.7
4.3	-7.4	-1.0
4.4	-8.1	-1.2
4.5	-8.8	-1.5
4.6	-9.7	-1.7
4.7	-10.4	-1.9
4.8	-11.4	-2.1
4.9	-12.5	-2.4
5.0	-13.2	-2.6
5.1	-14.2	-2.8
5.2	-14.8	-3.0
5.3	-15.1	-3.2
5.4	-15.1	-3.4
5.5	-14.7	-3.6
5.6	-14.2	-3.8

20

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

Co Pol Azimuth, -10 to +10 Degrees @ 0.1deg (A)

-4.3	-8.2	-1.0
-4.2	-7.1	-0.7
-4.1	-6.6	-0.5
-4.0	-6.2	-0.2
-3.9	-5.2	0.1
-3.8	-5.0	0.4
-3.7	-4.7	0.6
-3.6	-4.1	0.9
-3.5	-3.9	1.2
-3.4	-3.8	1.6
-3.3	-3.6	1.9
-3.2	-3.6	2.2
-3.1	-3.9	2.5
-3.0	-4.1	2.9
-2.9	-4.7	3.3
-2.8	-5.3	3.6
-2.7	-6.4	4.0
-2.6	-7.0	4.4
-2.5	-7.1	4.8
-2.4	-6.2	5.3
-2.3	-4.4	5.7
-2.2	-1.5	6.2
-2.1	0.3	6.7
-2.0	1.8	7.2
-1.9	4.3	7.7
-1.8	5.7	8.3
-1.7	6.7	8.9
-1.6	8.7	9.6
-1.5	9.8	10.2
-1.4	10.5	
-1.3	11.9	
-1.2	12.8	
-1.1	13.2	
-1.0	14.2	
-0.9	14.6	
-0.8	15.1	
-0.7	15.8	
-0.6	16.2	
-0.5	16.4	
-0.4	16.7	
-0.3	17.0	
-0.2	17.2	
-0.1	17.3	
0.0	17.3	

5.7	-13.4	-4.0
5.8	-12.4	-4.2
5.9	-12.0	-4.4
6.0	-11.1	-4.5
6.1	-11.1	-4.7
6.2	-10.6	-4.9
6.3	-10.4	-5.1
6.4	-10.3	-5.2
6.5	-10.2	-5.4
6.6	-10.5	-5.6
6.7	-10.6	-5.7
6.8	-10.7	-5.9
6.9	-11.2	-6.0
7.0	-11.8	-6.0
7.1	-12.1	-6.0
7.2	-12.7	-6.0
7.3	-13.3	-6.0
7.4	-13.5	-6.0
7.5	-14.1	-6.0
7.6	-14.4	-6.0
7.7	-14.6	-6.0
7.8	-15.1	-6.0
7.9	-15.3	-6.0
8.0	-15.4	-6.0
8.1	-15.9	-6.0
8.2	-16.0	-6.0
8.3	-16.2	-6.0
8.4	-16.2	-6.0
8.5	-16.5	-6.0
8.6	-16.7	-6.0
8.7	-16.9	-6.0
8.8	-16.9	-6.0
8.9	-17.4	-6.0
9.0	-17.6	-6.0
9.1	-17.7	-6.0
9.2	-17.9	-6.2
9.3	-18.1	-6.3
9.4	-18.5	-6.4
9.5	-19.1	-6.5
9.6	-19.3	-6.6
9.7	-19.7	-6.7
9.8	-20.3	-6.8
9.9	-20.9	-6.9
10.0	-21.0	-7.1

20

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-179.0	-45.1	-24.0
-178.0	-52.7	-24.0
-177.0	-42.9	-24.0
-176.0	-43.3	-24.0
-175.0	-57.3	-24.0
-174.0	-48.6	-24.0
-173.0	-55.0	-24.0
-172.0	-55.6	-24.0
-171.0	-65.2	-24.0
-170.0	-53.8	-24.0
-169.0	-43.8	-24.0
-168.0	-58.3	-24.0
-167.0	-45.7	-24.0
-166.0	-53.5	-24.0
-165.0	-54.5	-24.0
-164.0	-50.8	-24.0
-163.0	-50.4	-24.0
-162.0	-54.7	-24.0
-161.0	-45.2	-24.0
-160.0	-50.5	-24.0
-159.0	-51.9	-24.0
-158.0	-63.5	-24.0
-157.0	-51.6	-24.0
-156.0	-56.7	-24.0
-155.0	-49.1	-24.0
-154.0	-47.3	-24.0
-153.0	-46.4	-24.0
-152.0	-46.6	-24.0
-151.0	-47.5	-24.0
-150.0	-41.9	-24.0
-149.0	-45.3	-24.0
-148.0	-43.5	-24.0
-147.0	-41.4	-24.0
-146.0	-47.0	-24.0
-145.0	-55.3	-24.0
-144.0	-54.0	-24.0
-143.0	-48.1	-24.0
-142.0	-49.6	-24.0
-141.0	-43.4	-24.0
-140.0	-44.6	-24.0
-139.0	-47.1	-24.0
-138.0	-51.0	-24.0
-137.0	-51.6	-24.0
-136.0	-44.9	-24.0
-135.0	-45.3	-24.0
-134.0	-54.5	-24.0
-133.0	-59.3	-24.0
-132.0	-48.2	-24.0
-131.0	-58.9	-24.0
-130.0	-44.9	-24.0
-129.0	-45.2	-24.0
-128.0	-45.8	-24.0
-127.0	-47.3	-24.0
-126.0	-40.1	-24.0
-125.0	-40.1	-24.0
-124.0	-52.5	-24.0
-123.0	-52.1	-24.0
-122.0	-41.4	-24.0

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	17.3	
1.0	14.2	
2.0	3.3	7.5
3.0	-3.9	3.1
4.0	-6.1	-0.1
5.0	-13.8	-2.5
6.0	-11.1	-4.5
7.0	-12.1	-6.0
8.0	-15.8	-6.0
9.0	-17.5	-6.0
10.0	-21.5	-7.0
11.0	-22.3	-8.0
12.0	-25.8	-9.0
13.0	-27.0	-9.8
14.0	-24.9	-10.7
15.0	-25.8	-11.4
16.0	-28.9	-12.1
17.0	-35.8	-12.8
18.0	-30.8	-13.4
19.0	-26.4	-14.0
20.0	-28.5	-14.5
21.0	-28.9	-15.1
22.0	7.0	-15.6
23.0	-27.1	-16.0
24.0	-27.2	-16.5
25.0	-30.9	-16.9
26.0	-32.9	-17.4
27.0	-27.9	-17.8
28.0	-27.1	-18.2
29.0	-31.9	-18.6
30.0	-58.2	-18.9
31.0	-29.8	-19.3
32.0	-28.5	-19.6
33.0	-32.5	-20.0
34.0	-37.4	-20.3
35.0	-32.2	-20.6
36.0	-27.0	-20.9
37.0	-27.2	-21.2
38.0	-29.2	-21.5
39.0	-41.4	-21.8
40.0	-42.1	-22.1
41.0	-33.5	-22.3
42.0	-28.9	-22.6
43.0	-29.5	-22.8
44.0	-32.9	-23.1
45.0	-44.7	-23.3
46.0	-36.8	-23.6
47.0	-32.9	-23.8
48.0	-32.8	-24.0
49.0	-35.6	-24.0
50.0	-35.1	-24.0
51.0	-40.0	-24.0
52.0	-46.2	-24.0
53.0	-44.1	-24.0
54.0	-43.0	-24.0
55.0	-44.4	-24.0
56.0	-50.6	-24.0
57.0	-39.1	-24.0

20

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-121.0	-42.7	-24.0
-120.0	-52.0	-24.0
-119.0	-43.0	-24.0
-118.0	-49.0	-24.0
-117.0	-44.6	-24.0
-116.0	-49.6	-24.0
-115.0	-44.1	-24.0
-114.0	-46.6	-24.0
-113.0	-40.3	-24.0
-112.0	-42.5	-24.0
-111.0	-43.2	-24.0
-110.0	-41.1	-24.0
-109.0	-41.6	-24.0
-108.0	-46.3	-24.0
-107.0	-44.8	-24.0
-106.0	-41.1	-24.0
-105.0	-40.7	-24.0
-104.0	-42.8	-24.0
-103.0	-41.6	-24.0
-102.0	-40.2	-24.0
-101.0	-42.6	-24.0
-100.0	-41.2	-24.0
-99.0	-40.5	-24.0
-98.0	-43.9	-24.0
-97.0	-39.1	-24.0
-96.0	-38.5	-24.0
-95.0	-36.0	-24.0
-94.0	-37.6	-24.0
-93.0	-42.2	-24.0
-92.0	-38.0	-24.0
-91.0	-35.7	-24.0
-90.0	-39.3	-24.0
-89.0	-38.3	-24.0
-88.0	-37.0	-24.0
-87.0	-35.4	-24.0
-86.0	-35.2	-24.0
-85.0	-37.8	-24.0
-84.0	-39.9	-24.0
-83.0	-38.0	-24.0
-82.0	-38.0	-24.0
-81.0	-39.9	-24.0
-80.0	-37.5	-24.0
-79.0	-37.1	-24.0
-78.0	-38.4	-24.0
-77.0	-39.9	-24.0
-76.0	-44.2	-24.0
-75.0	-43.2	-24.0
-74.0	-49.3	-24.0
-73.0	-43.8	-24.0
-72.0	-42.5	-24.0
-71.0	-47.7	-24.0
-70.0	-47.3	-24.0
-69.0	-55.0	-24.0
-68.0	-44.3	-24.0
-67.0	-47.3	-24.0
-66.0	-39.8	-24.0
-65.0	-36.5	-24.0
-64.0	-34.9	-24.0
-63.0	-34.5	-24.0
-62.0	-36.9	-24.0
-61.0	-35.0	-24.0

58.0	-42.5	-24.0
59.0	-42.9	-24.0
60.0	-42.5	-24.0
61.0	-44.6	-24.0
62.0	-36.4	-24.0
63.0	-36.0	-24.0
64.0	-35.1	-24.0
65.0	-36.5	-24.0
66.0	-40.9	-24.0
67.0	-49.3	-24.0
68.0	-48.4	-24.0
69.0	-54.8	-24.0
70.0	-54.2	-24.0
71.0	-45.8	-24.0
72.0	-45.0	-24.0
73.0	-40.0	-24.0
74.0	-41.8	-24.0
75.0	-48.4	-24.0
76.0	-40.4	-24.0
77.0	-41.0	-24.0
78.0	-38.1	-24.0
79.0	-37.3	-24.0
80.0	-36.2	-24.0
81.0	-35.3	-24.0
82.0	-34.9	-24.0
83.0	-39.9	-24.0
84.0	-38.3	-24.0
85.0	-36.7	-24.0
86.0	-35.0	-24.0
87.0	-35.5	-24.0
88.0	-36.7	-24.0
89.0	-35.2	-24.0
90.0	-38.8	-24.0
91.0	-35.2	-24.0
92.0	-36.9	-24.0
93.0	-41.7	-24.0
94.0	-39.5	-24.0
95.0	-36.9	-24.0
96.0	-40.4	-24.0
97.0	-40.3	-24.0
98.0	-39.6	-24.0
99.0	-40.4	-24.0
100.0	-39.4	-24.0
101.0	-41.1	-24.0
102.0	-41.4	-24.0
103.0	-46.5	-24.0
104.0	-42.9	-24.0
105.0	-39.2	-24.0
106.0	-43.4	-24.0
107.0	-41.1	-24.0
108.0	-46.1	-24.0
109.0	-42.0	-24.0
110.0	-40.7	-24.0
111.0	-44.0	-24.0
112.0	-42.0	-24.0
113.0	-39.4	-24.0
114.0	-41.6	-24.0
115.0	-55.0	-24.0
116.0	-44.8	-24.0
117.0	-44.9	-24.0
118.0	-47.5	-24.0

20

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

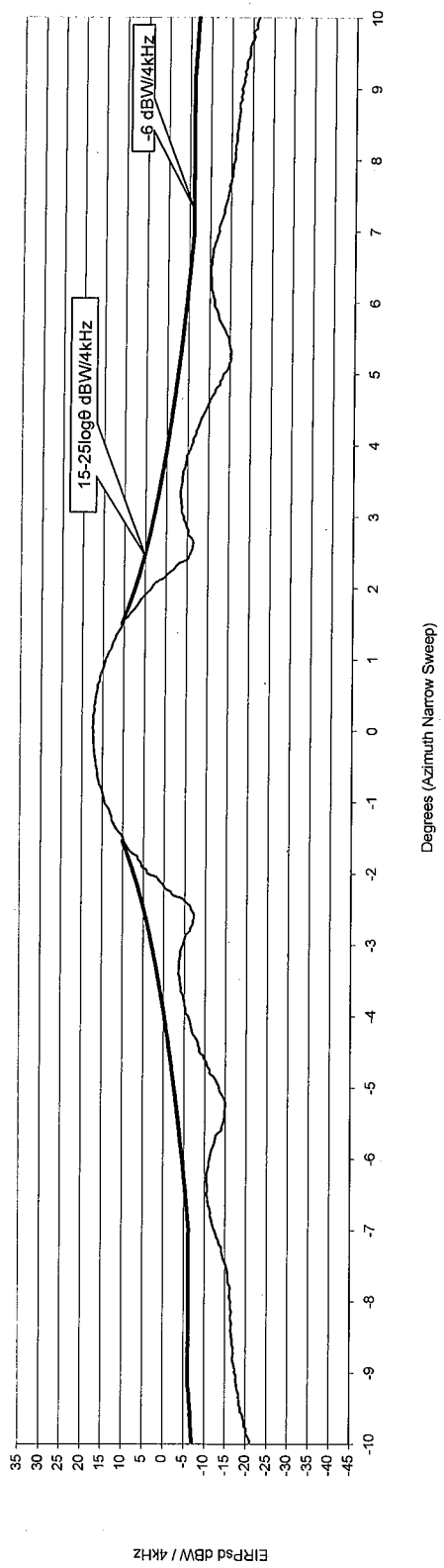
Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-60.0	-34.8	-24.0
-59.0	-35.1	-24.0
-58.0	-39.5	-24.0
-57.0	-38.4	-24.0
-56.0	-39.0	-24.0
-55.0	-43.1	-24.0
-54.0	-40.3	-24.0
-53.0	-42.2	-24.0
-52.0	-45.5	-24.0
-51.0	-44.9	-24.0
-50.0	-35.5	-24.0
-49.0	-32.5	-24.0
-48.0	-33.0	-24.0
-47.0	-31.0	-23.8
-46.0	-35.4	-23.6
-45.0	-42.3	-23.3
-44.0	-33.3	-23.1
-43.0	-28.9	-22.8
-42.0	-28.6	-22.6
-41.0	-32.3	-22.3
-40.0	-43.5	-22.1
-39.0	-37.4	-21.8
-38.0	-28.5	-21.5
-37.0	-26.2	-21.2
-36.0	-28.1	-20.9
-35.0	-35.6	-20.6
-34.0	-36.4	-20.3
-33.0	-31.3	-20.0
-32.0	-27.5	-19.6
-31.0	-29.1	-19.3
-30.0	-42.6	-18.9
-29.0	-31.4	-18.6
-28.0	-27.5	-18.2
-27.0	-28.9	-17.8
-26.0	-32.0	-17.4
-25.0	-30.4	-16.9
-24.0	-27.6	-16.5
-23.0	-27.2	-16.0
-22.0	-27.2	-15.6
-21.0	-28.0	-15.1
-20.0	-27.5	-14.5
-19.0	-26.6	-14.0
-18.0	-31.1	-13.4
-17.0	-36.1	-12.8
-16.0	-29.4	-12.1
-15.0	-24.5	-11.4
-14.0	-24.5	-10.7
-13.0	-26.7	-9.8
-12.0	-25.5	-9.0
-11.0	-22.0	-8.0
-10.0	-21.0	-7.0
-9.0	-17.3	-6.0
-8.0	-16.2	-6.0
-7.0	-12.2	-6.1
-6.0	-11.2	-4.5
-5.0	-13.2	-2.5
-4.0	-5.6	-0.1
-3.0	-4.6	3.1
-2.0	4.2	7.5
-1.0	14.6	0.0
0.0	17.3	0.0

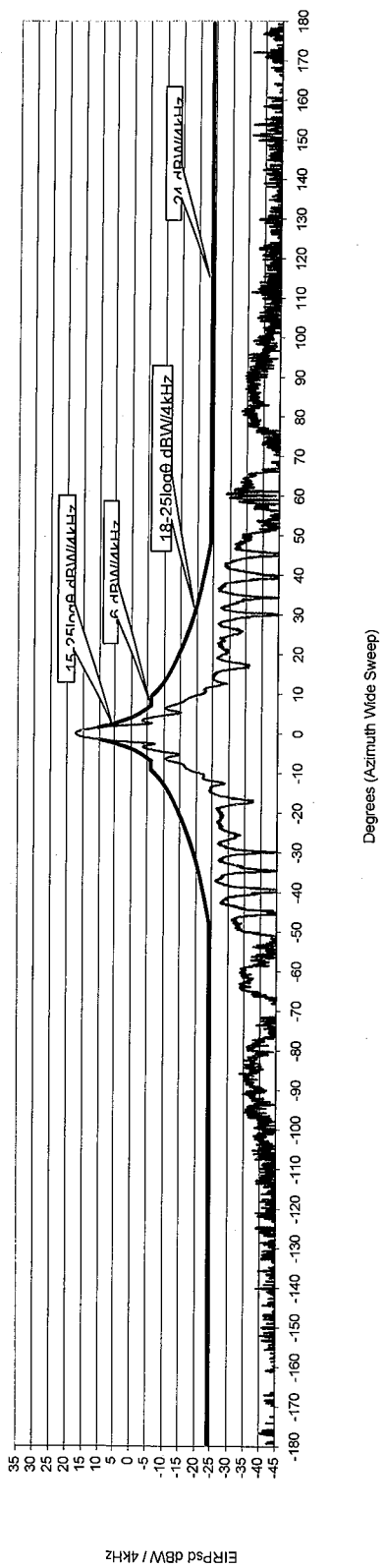
119.0	-44.0	-24.0
120.0	-44.3	-24.0
121.0	-41.7	-24.0
122.0	-50.2	-24.0
123.0	-42.3	-24.0
124.0	-44.1	-24.0
125.0	-47.5	-24.0
126.0	-44.3	-24.0
127.0	-42.0	-24.0
128.0	-42.4	-24.0
129.0	-40.3	-24.0
130.0	-40.1	-24.0
131.0	-47.7	-24.0
132.0	-47.7	-24.0
133.0	-50.6	-24.0
134.0	-49.5	-24.0
135.0	-42.8	-24.0
136.0	-43.7	-24.0
137.0	-43.8	-24.0
138.0	-45.3	-24.0
139.0	-40.2	-24.0
140.0	-42.3	-24.0
141.0	-43.1	-24.0
142.0	-42.8	-24.0
143.0	-54.9	-24.0
144.0	-50.8	-24.0
145.0	-46.1	-24.0
146.0	-42.0	-24.0
147.0	-53.1	-24.0
148.0	-50.9	-24.0
149.0	-43.0	-24.0
150.0	-39.8	-24.0
151.0	-38.4	-24.0
152.0	-46.0	-24.0
153.0	-49.1	-24.0
154.0	-41.4	-24.0
155.0	-43.8	-24.0
156.0	-47.2	-24.0
157.0	-44.4	-24.0
158.0	-42.6	-24.0
159.0	-45.1	-24.0
160.0	-44.1	-24.0
161.0	-51.1	-24.0
162.0	-51.6	-24.0
163.0	-47.9	-24.0
164.0	-46.2	-24.0
165.0	-51.8	-24.0
166.0	-52.0	-24.0
167.0	-50.7	-24.0
168.0	-45.5	-24.0
169.0	-48.2	-24.0
170.0	-45.5	-24.0
171.0	-43.1	-24.0
172.0	-38.6	-24.0
173.0	-47.9	-24.0
174.0	-52.4	-24.0
175.0	-47.8	-24.0
176.0	-44.1	-24.0
177.0	-40.2	0.0
178.0	-42.8	0.0
179.0	-52.7	0.0

Cobham SATCOM, Sea Tel Products
0.75 meter EIRPsd, HH Co-Pol, Azimuth, E-Plane (A)

14.25 GHz @ -21.6 dBW / 4 kHz, 0.7 dB Radome Loss



14.25 GHz @ -21.6 dBW / 4 kHz, 0.7 dB Radome Loss



Plot Parameters		Peak Excursions dB	
Input sd	Gain	1.5° to 7°	7° to 180°
-21.6	39.69	-0.05	-4.6
	Cal Factor		
	44.13		
	% Over		0%

21

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

14.25 GHz @ -21.6 dBW / 4 kHz

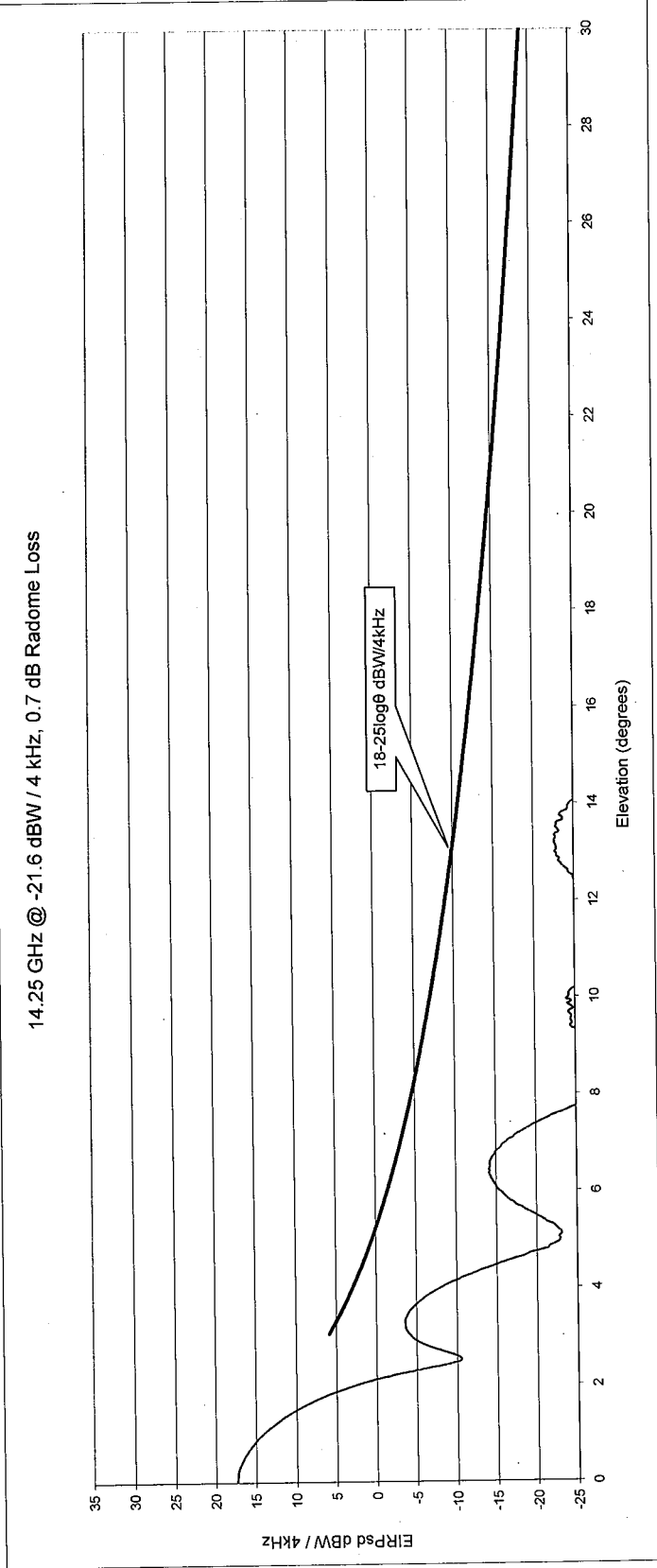
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	17.4	
0.1	17.3	
0.2	17.2	
0.3	17.1	
0.4	16.8	
0.5	16.5	
0.6	16.1	
0.7	15.7	
0.8	15.2	
0.9	14.8	
1.0	14.1	
1.1	13.4	
1.2	12.6	
1.3	11.8	
1.4	10.9	
1.5	9.9	
1.6	8.7	
1.7	7.4	
1.8	6.0	
1.9	4.3	
2.0	2.4	
2.1	0.3	
2.2	-2.3	
2.3	-5.3	
2.4	-8.5	
2.5	-10.5	
2.6	-9.8	
2.7	-8.0	
2.8	-6.3	
2.9	-5.1	
3.0	-4.3	6.1
3.1	-3.8	5.7
3.2	-3.6	5.4
3.3	-3.6	5.0
3.4	-3.7	4.7
3.5	-4.0	4.4
3.6	-4.5	4.1
3.7	-5.2	3.8
3.8	-6.0	3.5
3.9	-6.9	3.2
4.0	-8.0	2.9
4.1	-9.2	2.7
4.2	-10.6	2.4
4.3	-12.2	2.2
4.4	-13.8	1.9
4.5	-15.5	1.7
4.6	-17.4	1.4
4.7	-19.1	1.2
4.8	-21.4	1.0
4.9	-22.4	0.7
5.0	-22.9	0.5
5.1	-23.1	0.3
5.2	-22.6	0.1
5.3	-22.0	-0.1
5.4	-20.9	-0.3
5.5	-19.8	-0.5
5.6	-18.7	-0.7

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
10.0	-23.9	-6.9
10.5	-26.3	-7.5
11.0	-30.6	-8.0
11.5	-31.9	-8.5
12.0	-29.1	-8.9
12.5	-24.9	-9.4
13.0	-22.9	-9.8
13.5	-23.0	-10.2
14.0	-24.3	-10.6
14.5	-27.1	-11.0
15.0	-29.0	-11.4
15.5	-31.6	-11.7
16.0	-33.6	-12.1
16.5	-36.9	-12.4
17.0	-40.3	-12.7
17.5	-37.9	-13.0
18.0	-35.2	-13.4
18.5	-37.1	-13.6
19.0	-35.1	-13.9
19.5	-33.0	-14.2
20.0	-32.9	-14.5
20.5	-36.3	-14.8
21.0	-33.0	-15.0
21.5	-32.3	-15.3
22.0	-31.6	-15.5
22.5	-31.2	-15.8
23.0	-31.1	-16.0
23.5	-30.6	-16.3
24.0	-29.7	-16.5
24.5	-31.1	-16.7
25.0	-32.0	-16.9
25.5	-31.3	-17.1
26.0	-32.4	-17.4
26.5	-33.3	-17.6
27.0	-33.1	-17.8
27.5	-30.1	-18.0
28.0	-29.1	-18.2
28.5	-29.4	-18.4
29.0	-31.1	-18.5
29.5	-32.1	-18.7
30.0	-36.8	-18.9

Cobham SATCOM, Sea Tel Products
 0.75 meter EIRPsd, HH Co-Pol, Elevation, H-Plane (B)

14.25 GHz @ -21.6 dBW / 4 kHz, 0.7 dB Radome Loss



21

Plot Parameters
 Input sd -21.6
 Gain 39.69
 Cal Factor 44.06
 Peak Excursions dB
 3° to 30° -8.42
 % Over 0%

22

Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
-10.0	-34.3	-16.0
-9.9	-31.2	-16.0
-9.8	-30.9	-16.0
-9.7	-31.8	-16.0
-9.6	-32.3	-16.0
-9.5	-34.4	-16.0
-9.4	-33.4	-16.0
-9.3	-31.9	-16.0
-9.2	-33.8	-16.0
-9.1	-31.5	-16.0
-9.0	-28.8	-16.0
-8.9	-31.3	-16.0
-8.8	-35.2	-16.0
-8.7	-26.1	-16.0
-8.6	-28.6	-16.0
-8.5	-34.5	-16.0
-8.4	-33.8	-16.0
-8.3	-34.1	-16.0
-8.2	-29.4	-16.0
-8.1	-29.8	-16.0
-8.0	-29.8	-16.0
-7.9	-31.4	-16.0
-7.8	-28.1	-16.0
-7.7	-27.4	-16.0
-7.6	-29.7	-16.0
-7.5	-28.6	-16.0
-7.4	-32.7	-16.0
-7.3	-28.5	-16.0
-7.2	-31.1	-16.0
-7.1	-32.8	-16.0
-7.0	-34.4	-16.0
-6.9	-28.2	-16.0
-6.8	-31.3	-15.8
-6.7	-28.1	-15.7
-6.6	-28.9	-15.5
-6.5	-27.1	-15.3
-6.4	-29.4	-15.2
-6.3	-29.0	-15.0
-6.2	-27.4	-14.8
-6.1	-27.6	-14.6
-6.0	-29.6	-14.5
-5.9	-35.4	-14.3
-5.8	-30.4	-14.1
-5.7	-35.7	-13.9
-5.6	-30.3	-13.7
-5.5	-34.5	-13.5
-5.4	-31.0	-13.3
-5.3	-27.7	-13.1
-5.2	-31.1	-12.9
-5.1	-33.0	-12.7
-5.0	-31.6	-12.5
-4.9	-33.1	-12.3
-4.8	-33.1	-12.0
-4.7	-45.6	-11.8
-4.6	-37.6	-11.6
-4.5	-47.3	-11.3
-4.4	-32.4	-11.1

14.25 GHz @ -21.6 dBW / 4 kHz

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	-28.8	
0.1	-26.8	
0.2	-19.9	
0.3	-18.0	
0.4	-17.4	
0.5	-16.7	
0.6	-16.4	
0.7	-15.4	
0.8	-16.4	
0.9	-16.4	
1.0	-17.1	
1.1	-17.4	
1.2	-18.1	
1.3	-18.8	
1.4	-20.0	
1.5	-19.1	
1.6	-19.4	
1.7	-19.7	
1.8	-19.2	-1.4
1.9	-19.2	-2.0
2.0	-17.4	-2.5
2.1	-18.5	-3.1
2.2	-18.0	-3.6
2.3	-16.4	-4.0
2.4	-17.5	-4.5
2.5	-16.9	-4.9
2.6	-18.4	-5.4
2.7	-18.3	-5.8
2.8	-18.8	-6.2
2.9	-19.2	-6.6
3.0	-20.1	-6.9
3.1	-21.6	-7.3
3.2	-23.4	-7.6
3.3	-25.1	-8.0
3.4	-26.1	-8.3
3.5	-29.1	-8.6
3.6	-32.1	-8.9
3.7	-32.7	-9.2
3.8	-35.2	-9.5
3.9	-38.5	-9.8
4.0	-47.3	-10.1
4.1	-35.0	-10.3
4.2	-37.9	-10.6
4.3	-35.8	-10.8
4.4	-35.4	-11.1
4.5	-40.5	-11.3
4.6	-47.7	-11.6
4.7	-48.3	-11.8
4.8	-41.5	-12.0
4.9	-42.1	-12.3
5.0	-44.3	-12.5
5.1	-33.5	-12.7
5.2	-35.3	-12.9
5.3	-39.1	-13.1
5.4	-38.9	-13.3
5.5	-38.3	-13.5
5.6	-38.1	-13.7

22 Cobham SATCOM, Sea Tel Products

0.75m EIRPsd Data Table

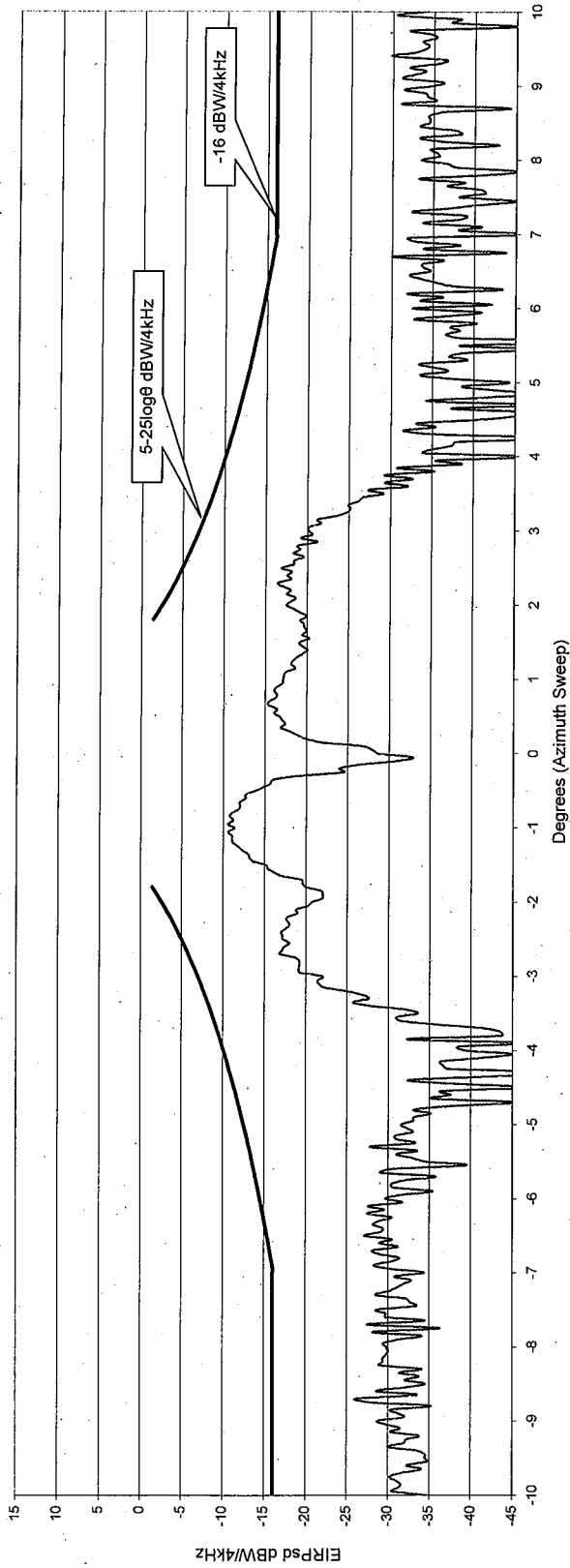
Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

-4.3	-53.7	-10.8
-4.2	-36.6	-10.6
-4.1	-41.4	-10.3
-4.0	-39.3	-10.1
-3.9	-46.2	-9.8
-3.8	-43.8	-9.5
-3.7	-41.4	-9.2
-3.6	-31.4	-8.9
-3.5	-33.6	-8.6
-3.4	-27.9	-8.3
-3.3	-27.6	-8.0
-3.2	-24.9	-7.6
-3.1	-21.6	-7.3
-3.0	-22.0	-6.9
-2.9	-19.1	-6.6
-2.8	-19.2	-6.2
-2.7	-16.9	-5.8
-2.6	-17.3	-5.4
-2.5	-17.2	-4.9
-2.4	-17.0	-4.5
-2.3	-18.0	-4.0
-2.2	-17.7	-3.6
-2.1	-18.8	-3.1
-2.0	-20.7	-2.5
-1.9	-22.0	-2.0
-1.8	-20.0	-1.4
-1.7	-19.5	
-1.6	-16.2	
-1.5	-15.2	
-1.4	-13.2	
-1.3	-12.3	
-1.2	-11.2	
-1.1	-11.1	
-1.0	-11.4	
-0.9	-11.2	
-0.8	-11.0	
-0.7	-12.1	
-0.6	-12.7	
-0.5	-13.9	
-0.4	-15.7	
-0.3	-19.1	
-0.2	-23.9	
-0.1	-30.9	
0.0	-28.8	

5.7	-38.3	-13.9
5.8	-40.2	-14.1
5.9	-37.1	-14.3
6.0	-32.5	-14.5
6.1	-33.6	-14.6
6.2	-32.0	-14.8
6.3	-37.4	-15.0
6.4	-33.4	-15.2
6.5	-34.7	-15.3
6.6	-33.7	-15.5
6.7	-30.1	-15.7
6.8	-33.9	-15.8
6.9	-32.8	-16.0
7.0	-47.2	-16.0
7.1	-40.8	-16.0
7.2	-38.1	-16.0
7.3	-32.4	-16.0
7.4	-41.2	-16.0
7.5	-38.2	-16.0
7.6	-40.7	-16.0
7.7	-38.7	-16.0
7.8	-41.5	-16.0
7.9	-37.9	-16.0
8.0	-33.5	-16.0
8.1	-35.4	-16.0
8.2	-42.9	-16.0
8.3	-33.3	-16.0
8.4	-37.6	-16.0
8.5	-34.4	-16.0
8.6	-34.4	-16.0
8.7	-44.2	-16.0
8.8	-35.2	-16.0
8.9	-34.0	-16.0
9.0	-34.7	-16.0
9.1	-31.2	-16.0
9.2	-34.0	-16.0
9.3	-35.4	-16.0
9.4	-29.9	-16.0
9.5	-33.9	-16.0
9.6	-33.6	-16.0
9.7	-34.5	-16.0
9.8	-45.2	-16.0
9.9	-38.2	-16.0
10.0	-33.7	-16.0

Cobnam SATCOM, Sea Tel Products
 0.75 meter EIRPsd, VH XP, Azimuth, E-Plane (C)

14.25 GHz @ -21.6 dBW / 4 kHz, 0.7 dB Radome Loss



22

Plot Parameters
 Pin sd -21.6
 Gain 39.69
 Cal Factor 44.13

Peak Excursions dB
 1.8° to 7° to 180°
 -11.08 -11.30

File
 E:\LOOPCANYON\ACQUIRED\DATA\1425XAZ_HH_ND_2.MDB
 % Over
 0.00

(A)

23

Cobham SATCOM, SeaTel Products

0.9m EIRPsd Data Table

Azimuth Co-Pol 14.25GHz @ -20.3dBW/4KHz

Angle	EIRPsd	Mask
Degrees	dBW/4KHz	dBW/4KHz
-180.0	-35.0	-14.0
-179.0	-40.8	-14.0
-178.0	-50.3	-14.0
-177.0	-44.3	-14.0
-176.0	-41.0	-14.0
-175.0	-39.4	-14.0
-174.0	-32.2	-14.0
-173.0	-29.0	-14.0
-172.0	-33.1	-14.0
-171.0	-37.4	-14.0
-170.0	-33.9	-14.0
-169.0	-46.3	-14.0
-168.0	-48.6	-14.0
-167.0	-44.3	-14.0
-166.0	-50.9	-14.0
-165.0	-47.7	-14.0
-164.0	-45.9	-14.0
-163.0	-50.0	-14.0
-162.0	-49.2	-14.0
-161.0	-48.2	-14.0
-160.0	-43.6	-14.0
-159.0	-30.2	-14.0
-158.0	-51.7	-14.0
-157.0	-33.9	-14.0
-156.0	-43.2	-14.0
-155.0	-75.9	-14.0
-154.0	-62.6	-14.0
-153.0	-31.8	-14.0
-152.0	-50.4	-14.0
-151.0	-44.0	-14.0
-150.0	-43.3	-14.0
-149.0	-32.3	-14.0
-148.0	-48.7	-14.0
-147.0	-44.6	-14.0
-146.0	-46.0	-14.0
-145.0	-28.7	-14.0
-144.0	-51.7	-14.0
-143.0	-42.0	-14.0
-142.0	-31.1	-14.0
-141.0	-33.8	-14.0
-140.0	-54.5	-14.0
-139.0	-55.3	-14.0
-138.0	-31.1	-14.0
-137.0	-43.4	-14.0

Angle	EIRPsd	Mask
Degrees	dBW/4KHz	dBW/4KHz
0.0	21.2	
0.1	21.2	
0.2	21.2	
0.3	21.0	
0.4	20.7	
0.5	20.4	
0.6	20.0	
0.7	19.5	
0.8	18.9	
0.9	18.2	
1.0	17.4	
1.1	16.6	
1.2	15.5	
1.3	14.4	
1.4	13.1	
1.5	11.6	
1.6	9.9	10.0
1.7	8.1	9.3
1.8	5.9	8.7
1.9	3.3	8.1
2.0	0.0	7.5
2.1	-4.0	7.0
2.2	-11.0	6.5
2.3	-31.2	6.0
2.4	-12.7	5.5
2.5	-7.6	5.1
2.6	-5.4	4.7
2.7	-3.9	4.3
2.8	-3.2	3.9
2.9	-2.7	3.5
3.0	-2.7	3.1
3.1	-2.6	2.8
3.2	-2.8	2.4
3.3	-3.1	2.1
3.4	-3.4	1.7
3.5	-4.0	1.4
3.6	-4.5	1.1
3.7	-5.2	0.8
3.8	-6.0	0.5
3.9	-6.9	0.3
4.0	-8.0	0.0
4.1	-9.1	-0.3
4.2	-9.9	-0.6
4.3	-11.4	-0.8

23

(A)

-136.0	-32.4	-14.0
-135.0	-40.3	-14.0
-134.0	-32.7	-14.0
-133.0	-35.1	-14.0
-132.0	-40.4	-14.0
-131.0	-48.3	-14.0
-130.0	-32.9	-14.0
-129.0	-35.9	-14.0
-128.0	-33.6	-14.0
-127.0	-31.7	-14.0
-126.0	-44.8	-14.0
-125.0	-32.2	-14.0
-124.0	-44.9	-14.0
-123.0	-29.1	-14.0
-122.0	-49.4	-14.0
-121.0	-50.3	-14.0
-120.0	-42.7	-14.0
-119.0	-37.4	-14.0
-118.0	-37.4	-14.0
-117.0	-38.4	-14.0
-116.0	-39.3	-14.0
-115.0	-51.8	-14.0
-114.0	-48.1	-14.0
-113.0	-44.8	-14.0
-112.0	-51.5	-14.0
-111.0	-38.9	-14.0
-110.0	-36.0	-14.0
-109.0	-35.0	-14.0
-108.0	-37.9	-14.0
-107.0	-36.1	-14.0
-106.0	-34.9	-14.0
-105.0	-39.0	-14.0
-104.0	-44.2	-14.0
-103.0	-44.7	-14.0
-102.0	-33.4	-14.0
-101.0	-41.1	-14.0
-100.0	-32.0	-14.0
-99.0	-27.1	-14.0
-98.0	-35.5	-14.0
-97.0	-35.4	-14.0
-96.0	-31.3	-14.0
-95.0	-54.3	-14.0
-94.0	-43.2	-14.0
-93.0	-43.5	-14.0
-92.0	-43.8	-14.0
-91.0	-34.6	-14.0
-90.0	-31.7	-14.0
-89.0	-28.8	-14.0
-88.0	-32.3	-14.0
-87.0	-32.1	-14.0
-86.0	-32.6	-14.0

4.4	-11.6	-1.1
4.5	-13.3	-1.3
4.6	-13.0	-1.5
4.7	-13.4	-1.8
4.8	-13.0	-2.0
4.9	-11.9	-2.2
5.0	-12.6	-2.5
5.1	-11.7	-2.7
5.2	-12.0	-2.9
5.3	-12.8	-3.1
5.4	-11.9	-3.3
5.5	-12.5	-3.5
5.6	-12.8	-3.7
5.7	-13.1	-3.9
5.8	-13.4	-4.1
5.9	-13.6	-4.3
6.0	-13.6	-4.4
6.1	-14.1	-4.6
6.2	-14.5	-4.8
6.3	-14.8	-5.0
6.4	-15.0	-5.1
6.5	-15.4	-5.3
6.6	-15.4	-5.5
6.7	-14.9	-5.6
6.8	-16.4	-5.8
6.9	-16.5	-6.0
7.0	-16.5	-6.1
7.1	-15.9	-6.0
7.2	-15.5	-6.0
7.3	-15.0	-6.0
7.4	-14.6	-6.0
7.5	-13.4	-6.0
7.6	-14.0	-6.0
7.7	-13.6	-6.0
7.8	-13.5	-6.0
7.9	-13.1	-6.0
8.0	-13.5	-6.0
8.1	-13.4	-6.0
8.2	-14.6	-6.0
8.3	-14.7	-6.0
8.4	-15.4	-6.0
8.5	-16.6	-6.0
8.6	-17.2	-6.0
8.7	-17.8	-6.0
8.8	-17.7	-6.0
8.9	-18.9	-6.0
9.0	-19.2	-6.0
9.1	-18.9	-6.0
9.2	-21.6	-6.0
9.3	-19.4	-6.2
9.4	-20.0	-6.3

(A)

23

-85.0	-30.3	-14.0
-84.0	-30.3	-24.0
-83.0	-25.8	-24.0
-82.0	-24.3	-24.0
-81.0	-25.3	-24.0
-80.0	-27.5	-24.0
-79.0	-27.1	-24.0
-78.0	-26.9	-24.0
-77.0	-27.3	-24.0
-76.0	-29.6	-24.0
-75.0	-31.1	-24.0
-74.0	-31.5	-24.0
-73.0	-48.8	-24.0
-72.0	-39.0	-24.0
-71.0	-33.1	-24.0
-70.0	-29.9	-24.0
-69.0	-28.9	-24.0
-68.0	-28.9	-24.0
-67.0	-38.3	-24.0
-66.0	-27.9	-24.0
-65.0	-29.1	-24.0
-64.0	-33.6	-24.0
-63.0	-34.3	-24.0
-62.0	-31.2	-24.0
-61.0	-28.2	-24.0
-60.0	-32.8	-24.0
-59.0	-32.7	-24.0
-58.0	-31.1	-24.0
-57.0	-28.5	-24.0
-56.0	-30.5	-24.0
-55.0	-29.1	-24.0
-54.0	-32.9	-24.0
-53.0	-35.9	-24.0
-52.0	-34.3	-24.0
-51.0	-31.6	-24.0
-50.0	-30.8	-24.0
-49.0	-34.5	-24.0
-48.0	-36.0	-24.0
-47.0	-31.4	-23.8
-46.0	-32.2	-23.6
-45.0	-28.7	-23.3
-44.0	-39.4	-23.1
-43.0	-28.9	-22.8
-42.0	-31.5	-22.6
-41.0	-36.8	-22.3
-40.0	-31.9	-22.1
-39.0	-27.2	-21.8
-38.0	-32.7	-21.5
-37.0	-34.0	-21.2
-36.0	-28.4	-20.9
-35.0	-32.4	-20.6

9.5	-21.7	-6.4
9.6	-19.2	-6.5
9.7	-18.2	-6.7
9.8	-18.4	-6.8
9.9	-18.1	-6.9
10.0	-17.8	-7.0
11.0	-19.7	-8.0
12.0	-22.0	-9.0
13.0	-20.6	-9.8
14.0	-24.2	-10.6
15.0	-22.2	-11.4
16.0	-26.6	-12.1
17.0	-21.2	-12.8
18.0	-19.3	-13.4
19.0	-22.6	-14.0
20.0	-21.7	-14.5
21.0	-25.5	-15.1
22.0	-27.9	-15.6
23.0	-47.7	-16.0
24.0	-30.3	-16.5
25.0	-27.9	-16.9
26.0	-32.8	-17.4
27.0	-44.1	-17.8
28.0	-24.6	-18.2
29.0	-34.6	-18.6
30.0	-34.2	-18.9
31.0	-30.3	-19.3
32.0	-23.2	-19.6
33.0	-27.9	-20.0
34.0	-29.4	-20.3
35.0	-30.2	-20.6
36.0	-39.5	-20.9
37.0	-48.5	-21.2
38.0	-31.9	-21.5
39.0	-25.6	-21.8
40.0	-35.8	-22.0
41.0	-45.0	-22.3
42.0	-29.1	-22.6
43.0	-27.2	-22.8
44.0	-38.7	-23.1
45.0	-34.2	-23.3
46.0	-32.6	-23.6
47.0	-28.1	-23.8
48.0	-34.7	-24.0
49.0	-31.8	-24.0
50.0	-32.2	-24.0
51.0	-29.0	-24.0
52.0	-26.8	-24.0
53.0	-37.2	-24.0
54.0	-33.5	-24.0
55.0	-31.0	-24.0

(A)

29

-34.0	-48.1	-20.3
-33.0	-29.7	-20.0
-32.0	-24.0	-19.6
-31.0	-30.3	-19.3
-30.0	-38.5	-18.9
-29.0	-33.1	-18.6
-28.0	-37.0	-18.2
-27.0	-29.9	-17.8
-26.0	-38.2	-17.4
-25.0	-26.9	-17.0
-24.0	-35.0	-16.5
-23.0	-29.2	-16.0
-22.0	-24.4	-15.6
-21.0	-26.1	-15.1
-20.0	-24.0	-14.5
-19.0	-22.9	-14.0
-18.0	-23.4	-13.4
-17.0	-23.7	-12.8
-16.0	-28.9	-12.1
-15.0	-20.1	-11.4
-14.0	-21.0	-10.7
-13.0	-19.1	-9.9
-12.0	-25.6	-9.0
-11.0	-18.0	-8.0
-10.0	-20.1	-7.0
-9.9	-20.6	-6.9
-9.8	-20.2	-6.8
-9.7	-21.2	-6.7
-9.6	-21.1	-6.6
-9.5	-21.3	-6.5
-9.4	-22.7	-6.3
-9.3	-21.6	-6.2
-9.2	-25.5	-6.1
-9.1	-22.0	-6.0
-9.0	-22.6	-6.0
-8.9	-22.5	-6.0
-8.8	-22.1	-6.0
-8.7	-20.6	-6.0
-8.6	-19.8	-6.0
-8.5	-16.8	-6.0
-8.4	-18.2	-6.0
-8.3	-19.0	-6.0
-8.2	-15.4	-6.0
-8.1	-15.8	-6.0
-8.0	-15.1	-6.0
-7.9	-14.8	-6.0
-7.8	-14.6	-6.0
-7.7	-14.9	-6.0
-7.6	-14.6	-6.0
-7.5	-15.0	-6.0
-7.4	-15.5	-6.0

56.0	-29.6	-24.0
57.0	-25.9	-24.0
58.0	-32.4	-24.0
59.0	-34.1	-24.0
60.0	-34.8	-24.0
61.0	-28.7	-24.0
62.0	-29.5	-24.0
63.0	-29.2	-24.0
64.0	-33.2	-24.0
65.0	-34.9	-24.0
66.0	-34.9	-24.0
67.0	-30.4	-24.0
68.0	-37.0	-24.0
69.0	-32.8	-24.0
70.0	-28.8	-24.0
71.0	-35.5	-24.0
72.0	-36.5	-24.0
73.0	-35.4	-24.0
74.0	-31.4	-24.0
75.0	-32.0	-24.0
76.0	-30.6	-24.0
77.0	-31.1	-24.0
78.0	-30.6	-24.0
79.0	-27.5	-24.0
80.0	-34.4	-24.0
81.0	-28.7	-24.0
82.0	-29.2	-24.0
83.0	-24.9	-24.0
84.0	-31.1	-24.0
85.0	-30.8	-24.0
86.0	-31.6	-14.0
87.0	-34.1	-14.0
88.0	-34.7	-14.0
89.0	-39.0	-14.0
90.0	-34.5	-14.0
91.0	-33.2	-14.0
92.0	-41.0	-14.0
93.0	-39.7	-14.0
94.0	-42.8	-14.0
95.0	-40.9	-14.0
96.0	-33.9	-14.0
97.0	-41.3	-14.0
98.0	-37.5	-14.0
99.0	-37.0	-14.0
100.0	-32.0	-14.0
101.0	-39.7	-14.0
102.0	-36.1	-14.0
103.0	-28.9	-14.0
104.0	-39.7	-14.0
105.0	-33.5	-14.0
106.0	-32.0	-14.0

(A)

-7.3	-16.1	-6.0
-7.2	-17.1	-6.0
-7.1	-17.4	-6.0
-7.0	-18.2	-6.0
-6.9	-18.8	-6.0
-6.8	-18.8	-5.8
-6.7	-19.4	-5.7
-6.6	-18.3	-5.5
-6.5	-17.5	-5.3
-6.4	-16.8	-5.2
-6.3	-16.4	-5.0
-6.2	-15.7	-4.8
-6.1	-16.0	-4.7
-6.0	-14.6	-4.5
-5.9	-14.1	-4.3
-5.8	-13.5	-4.1
-5.7	-13.7	-3.9
-5.6	-12.3	-3.7
-5.5	-12.0	-3.5
-5.4	-11.6	-3.3
-5.3	-11.1	-3.1
-5.2	-10.2	-2.9
-5.1	-10.8	-2.7
-5.0	-10.9	-2.5
-4.9	-11.4	-2.3
-4.8	-11.7	-2.1
-4.7	-11.5	-1.8
-4.6	-13.0	-1.6
-4.5	-13.5	-1.4
-4.4	-13.6	-1.1
-4.3	-13.3	-0.9
-4.2	-12.4	-0.6
-4.1	-11.0	-0.3
-4.0	-10.1	-0.1
-3.9	-8.2	0.2
-3.8	-6.8	0.5
-3.7	-5.9	0.8
-3.6	-4.5	1.1
-3.5	-4.0	1.4
-3.4	-2.9	1.7
-3.3	-2.1	2.0
-3.2	-1.8	2.3
-3.1	-1.3	2.7
-3.0	-0.9	3.0
-2.9	-0.5	3.4
-2.8	-0.6	3.8
-2.7	-0.7	4.2
-2.6	-1.0	4.6
-2.5	-2.1	5.0
-2.4	-3.6	5.4
-2.3	-5.7	5.9

23

107.0	-39.0	-14.0
108.0	-37.4	-14.0
109.0	-41.7	-14.0
110.0	-52.8	-14.0
111.0	-50.3	-14.0
112.0	-46.7	-14.0
113.0	-41.6	-14.0
114.0	-38.4	-14.0
115.0	-50.0	-14.0
116.0	-67.6	-14.0
117.0	-50.1	-14.0
118.0	-48.3	-14.0
119.0	-50.5	-14.0
120.0	-27.1	-14.0
121.0	-46.4	-14.0
122.0	-50.1	-14.0
123.0	-45.7	-14.0
124.0	-40.3	-14.0
125.0	-45.0	-14.0
126.0	-34.9	-14.0
127.0	-42.8	-14.0
128.0	-43.7	-14.0
129.0	-44.6	-14.0
130.0	-52.5	-14.0
131.0	-46.0	-14.0
132.0	-43.6	-14.0
133.0	-33.5	-14.0
134.0	-49.1	-14.0
135.0	-47.9	-14.0
136.0	-47.4	-14.0
137.0	-43.4	-14.0
138.0	-47.9	-14.0
139.0	-33.8	-14.0
140.0	-56.9	-14.0
141.0	-43.7	-14.0
142.0	-44.6	-14.0
143.0	-45.0	-14.0
144.0	-51.9	-14.0
145.0	-42.0	-14.0
146.0	-47.7	-14.0
147.0	-32.7	-14.0
148.0	-47.4	-14.0
149.0	-38.3	-14.0
150.0	-41.0	-14.0
151.0	-41.2	-14.0
152.0	-44.3	-14.0
153.0	-32.9	-14.0
154.0	-50.9	-14.0
155.0	-54.5	-14.0
156.0	-34.5	-14.0
157.0	-42.4	-14.0

(A)

-2.2	-10.6	6.4
-2.1	-12.9	6.9
-2.0	-6.7	7.4
-1.9	-1.6	8.0
-1.8	2.0	8.6
-1.7	5.0	9.2
-1.6	7.6	9.8
-1.5	9.7	10.5
-1.4	11.3	
-1.3	12.9	
-1.2	14.2	
-1.1	15.5	
-1.0	16.6	
-0.9	17.4	
-0.8	18.2	
-0.7	18.9	
-0.6	19.5	
-0.5	20.0	
-0.4	20.5	
-0.3	20.7	
-0.2	21.1	
-0.1	21.2	
0	21.2	

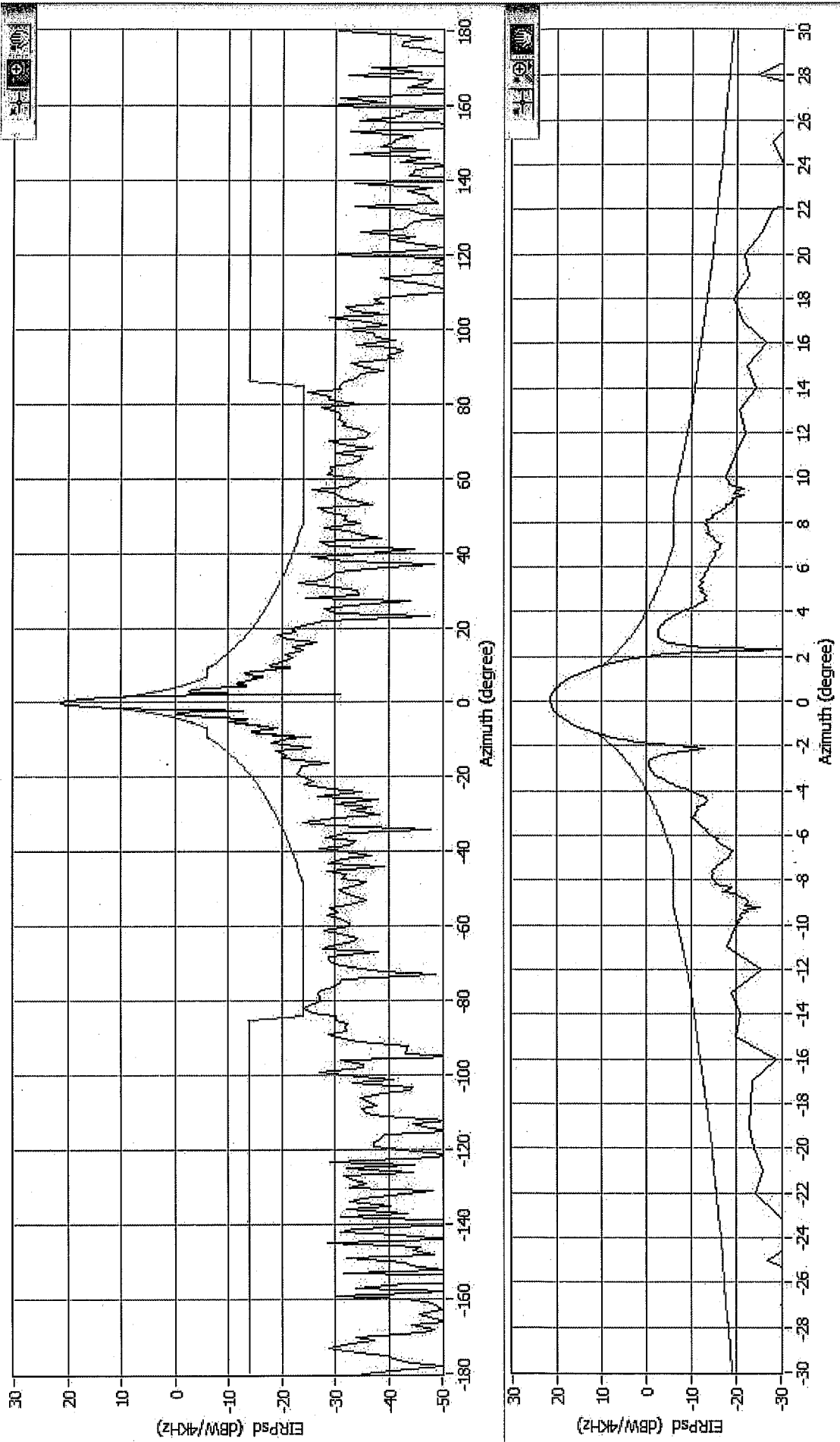
23

158.0	-42.4	-14.0
159.0	-50.5	-14.0
160.0	-27.6	-14.0
161.0	-39.2	-14.0
162.0	-30.9	-14.0
163.0	-43.9	-14.0
164.0	-58.1	-14.0
165.0	-43.4	-14.0
166.0	-46.8	-14.0
167.0	-48.0	-14.0
168.0	-32.5	-14.0
169.0	-46.1	-14.0
170.0	-36.6	-14.0
171.0	-63.0	-14.0
172.0	-53.5	-14.0
173.0	-53.3	-14.0
174.0	-50.9	-14.0
175.0	-47.2	-14.0
176.0	-42.3	-14.0
177.0	-42.6	-14.0
178.0	-47.8	-14.0
179	-40.3	-14.0
180	-30.5	-14.0

1A)

23

14250 MHz Azimuth VV Pin=-20.3 (dBW/4KHz)



(B)

24

Cobham SATCOM, SeaTel Products

0.9m EIRPsd Data Table

Elevation Co-Pol 14.25GHz @ -20.3dBW/4KHz

Angle	EIRPsd	Mask
Degrees	dBW/4KHz	dBW/4KHz
0.0	21.2	
0.1	21.2	
0.2	21.0	
0.3	20.8	
0.4	20.5	
0.5	20.1	
0.6	19.6	
0.7	19.1	
0.8	18.4	
0.9	17.5	
1.0	16.8	
1.1	15.8	
1.2	14.7	
1.3	13.3	
1.4	12.1	
1.5	10.6	10.6
1.6	8.8	9.9
1.7	6.7	9.2
1.8	4.2	8.6
1.9	1.6	8.0
2.0	-3.0	7.5
2.1	-8.3	6.9
2.2	-17.5	6.4
2.3	-10.5	6.0
2.4	-6.4	5.5
2.5	-3.5	5.1
2.6	-2.2	4.6
2.7	-1.1	4.2
2.8	-0.6	3.8
2.9	-0.2	3.4
3.0	-0.2	3.1
3.1	-0.1	2.7
3.2	-0.4	2.4
3.3	-0.7	2.0
3.4	-1.1	1.7
3.5	-1.6	1.4
3.6	-2.1	1.1
3.7	-2.7	0.8
3.8	-3.4	0.5
3.9	-4.4	0.2
4.0	-5.6	-0.1
4.1	-6.6	-0.3
4.2	-8.0	-0.6
4.3	-9.0	-0.8

(B)

24

4.4	-10.7	-1.1
4.5	-11.4	-1.3
4.6	-12.5	-1.6
4.7	-12.6	-1.8
4.8	-12.9	-2.0
4.9	-12.5	-2.3
5.0	-12.3	-2.5
5.1	-12.2	-2.7
5.2	-12.0	-2.9
5.3	-12.1	-3.1
5.4	-12.2	-3.3
5.5	-12.4	-3.5
5.6	-12.7	-3.7
5.7	-13.0	-3.9
5.8	-13.6	-4.1
5.9	-14.3	-4.3
6.0	-14.8	-4.5
6.1	-15.3	-4.6
6.2	-15.8	-4.8
6.3	-15.7	-5.0
6.4	-16.0	-5.2
6.5	-15.9	-5.3
6.6	-15.7	-5.5
6.7	-15.3	-5.7
6.8	-14.9	-5.8
6.9	-14.8	-6.0
7.0	-14.2	-6.0
7.1	-13.7	-6.0
7.2	-13.4	-6.0
7.3	-13.2	-6.0
7.4	-12.5	-6.0
7.5	-12.9	-6.0
7.6	-12.6	-6.0
7.7	-13.1	-6.0
7.8	-12.8	-6.0
7.9	-13.3	-6.0
8.0	-14.0	-6.0
8.1	-14.4	-6.0
8.2	-15.5	-6.0
8.3	-16.1	-6.0
8.4	-17.8	-6.0
8.5	-20.3	-6.0
8.6	-21.0	-6.0
8.7	-24.1	-6.0
8.8	-26.1	-6.0
8.9	-30.9	-6.0
9.0	-35.8	-6.0
9.1	-39.0	-6.0
9.2	-34.3	-6.1
9.3	-34.2	-6.2
9.4	-32.4	-6.3

(B)

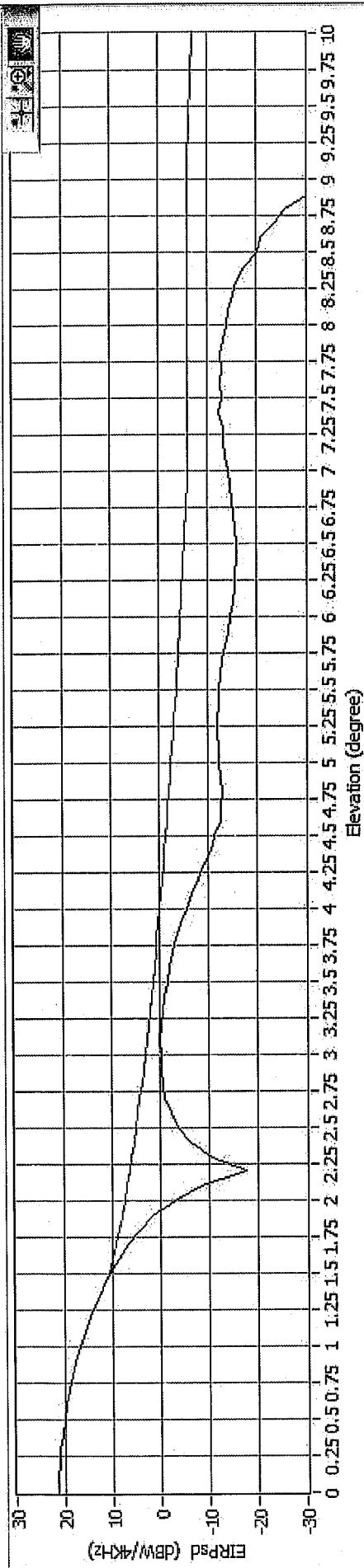
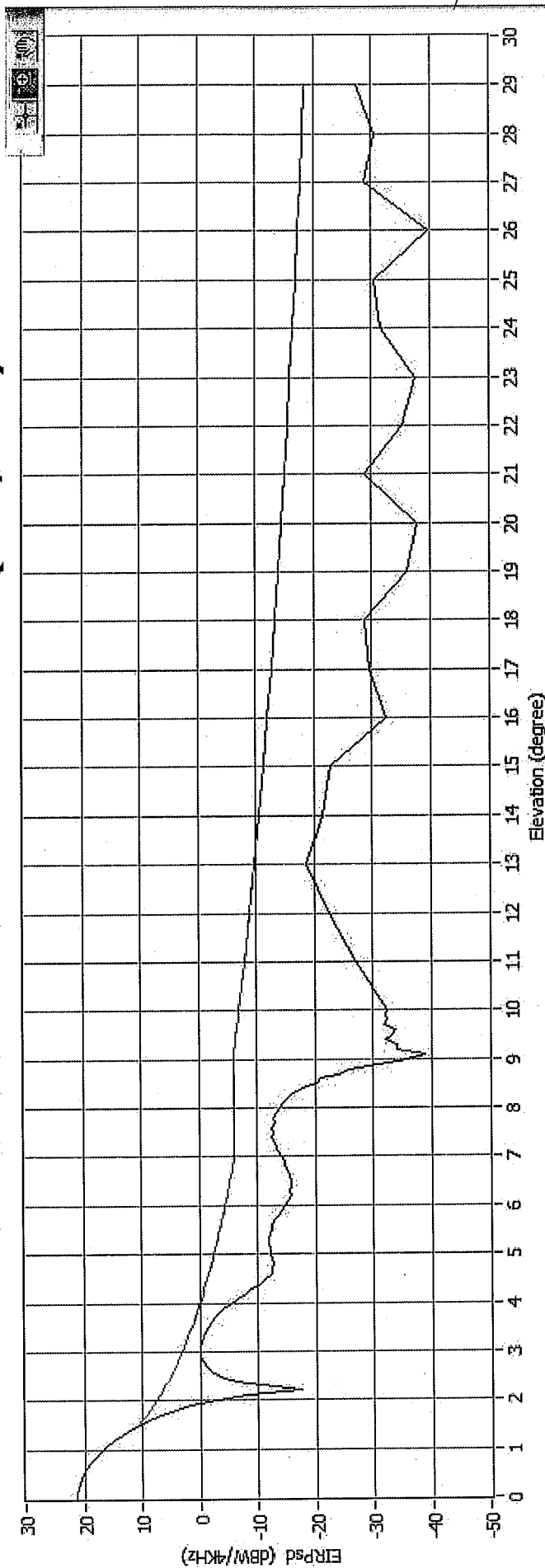
24

9.5	-33.3	-6.4
9.6	-33.9	-6.6
9.7	-31.9	-6.7
9.8	-32.4	-6.8
9.9	-32.3	-6.9
10.0	-32.7	-7.0
11.0	-27.1	-8.0
12.0	-22.8	-9.0
13.0	-18.6	-9.8
14.0	-21.7	-10.7
15.0	-23.0	-11.4
16.0	-32.4	-12.1
17.0	-29.8	-12.8
18.0	-28.8	-13.4
19.0	-36.3	-14.0
20.0	-37.8	-14.5
21.0	-28.7	-15.1
22.0	-35.4	-15.6
23.0	-37.5	-16.0
24.0	-31.6	-16.5
25.0	-30.5	-16.9
26.0	-39.9	-17.4
27.0	-28.8	-17.8
28.0	-30.4	-18.2
29.0	-27.6	-18.6

(B)

24

14250 MHz Elevation VV Pin=-20.3 (dBW/4KHz)



25
Cobham SATCOM, SeaTel Products

0.9m EIRPsd Data Table

Azimuth X-Pol 14.25GHz @ -20.3dBW/4KHz

(C)

Angle	EIRPsd	Mask
Degrees	dBW/4KHz	dBW/4KHz
-10.0	-36.2	
-9.9	-33.7	
-9.8	-31.9	
-9.7	-35.3	
-9.6	-32.3	
-9.5	-35.6	
-9.4	-34.1	
-9.3	-38.2	
-9.2	-40.4	
-9.1	-39.5	-16.0
-9.0	-43.2	-16.0
-8.9	-31.2	-16.0
-8.8	-30.2	-16.0
-8.7	-29.1	-16.0
-8.6	-45.0	-16.0
-8.5	-31.6	-16.0
-8.4	-50.5	-16.0
-8.3	-44.3	-16.0
-8.2	-43.4	-16.0
-8.1	-47.6	-16.0
-8.0	-35.0	-16.0
-7.9	-37.2	-16.0
-7.8	-32.1	-16.0
-7.7	-38.0	-16.0
-7.6	-25.8	-16.0
-7.5	-26.8	-16.0
-7.4	-44.2	-16.0
-7.3	-40.2	-16.0
-7.2	-45.7	-16.0
-7.1	-34.3	-16.0
-7.0	-39.5	-16.0
-6.9	-36.1	-16.0
-6.8	-36.3	-15.8
-6.7	-39.1	-15.7
-6.6	-40.5	-15.5
-6.5	-34.7	-15.3
-6.4	-37.5	-15.2
-6.3	-35.7	-15.0
-6.2	-34.2	-14.8
-6.1	-39.1	-14.6
-6.0	-36.6	-14.5
-5.9	-42.2	-14.3
-5.8	-31.5	-14.1
-5.7	-33.5	-13.9

Angle	EIRPsd	Mask
Degrees	dBW/4KHz	dBW/4KHz
0.0	-30.8	
0.1	-34.0	
0.2	-37.9	
0.3	-40.5	
0.4	-42.4	
0.5	-36.0	
0.6	-35.4	
0.7	-36.7	
0.8	-25.9	
0.9	-27.0	
1.0	-27.8	
1.1	-29.3	
1.2	-26.4	
1.3	-27.8	
1.4	-27.4	
1.5	-26.4	
1.6	-27.1	
1.7	-29.8	
1.8	-21.6	-1.4
1.9	-24.9	-2.0
2.0	-24.8	-2.5
2.1	-25.5	-3.1
2.2	-23.2	-3.6
2.3	-23.6	-4.0
2.4	-24.2	-4.5
2.5	-24.1	-4.9
2.6	-23.0	-5.4
2.7	-23.5	-5.8
2.8	-23.0	-6.2
2.9	-23.2	-6.6
3.0	-23.9	-6.9
3.1	-29.0	-7.3
3.2	-24.4	-7.6
3.3	-25.0	-8.0
3.4	-25.5	-8.3
3.5	-25.9	-8.6
3.6	-25.9	-8.9
3.7	-27.0	-9.2
3.8	-27.0	-9.5
3.9	-27.4	-9.8
4.0	-28.1	-10.1
4.1	-24.5	-10.3
4.2	-27.5	-10.6
4.3	-28.3	-10.8

(C)

25

-5.6	-35.1	-13.7
-5.5	-34.7	-13.5
-5.4	-42.5	-13.3
-5.3	-33.9	-13.1
-5.2	-32.3	-12.9
-5.1	-31.4	-12.7
-5.0	-31.3	-12.5
-4.9	-25.7	-12.3
-4.8	-30.4	-12.0
-4.7	-29.2	-11.8
-4.6	-29.2	-11.6
-4.5	-28.1	-11.3
-4.4	-27.6	-11.1
-4.3	-24.7	-10.8
-4.2	-27.6	-10.6
-4.1	-25.9	-10.3
-4.0	-32.0	-10.1
-3.9	-27.8	-9.8
-3.8	-27.3	-9.5
-3.7	-30.5	-9.2
-3.6	-22.9	-8.9
-3.5	-28.9	-8.6
-3.4	-27.9	-8.3
-3.3	-29.6	-8.0
-3.2	-28.8	-7.6
-3.1	-24.1	-7.3
-3.0	-28.0	-6.9
-2.9	-25.5	-6.6
-2.8	-24.2	-6.2
-2.7	-22.6	-5.8
-2.6	-23.6	-5.4
-2.5	-21.2	-4.9
-2.4	-20.2	-4.5
-2.3	-20.3	-4.0
-2.2	-19.9	-3.6
-2.1	-19.1	-3.1
-2.0	-18.7	-2.5
-1.9	-20.0	-2.0
-1.8	-18.0	-1.4
-1.7	-17.9	
-1.6	-18.1	
-1.5	-17.8	
-1.4	-17.9	
-1.3	-21.4	
-1.2	-17.9	
-1.1	-18.5	
-1.0	-18.9	
-0.9	-19.6	
-0.8	-20.1	
-0.7	-18.7	
-0.6	-22.1	

4.4	-28.3	-11.1
4.5	-28.3	-11.3
4.6	-29.5	-11.6
4.7	-27.8	-11.8
4.8	-29.6	-12.0
4.9	-30.9	-12.3
5.0	-28.5	-12.5
5.1	-34.3	-12.7
5.2	-34.9	-12.9
5.3	-33.6	-13.1
5.4	-36.7	-13.3
5.5	-36.1	-13.5
5.6	-39.1	-13.7
5.7	-41.4	-13.9
5.8	-44.5	-14.1
5.9	-38.2	-14.3
6.0	-38.4	-14.5
6.1	-39.0	-14.6
6.2	-29.9	-14.8
6.3	-41.4	-15.0
6.4	-26.3	-15.2
6.5	-36.9	-15.3
6.6	-32.6	-15.5
6.7	-36.9	-15.7
6.8	-41.6	-15.8
6.9	-29.3	-16.0
7.0	-33.2	-16.0
7.1	-37.2	-16.0
7.2	-33.3	-16.0
7.3	-36.1	-16.0
7.4	-35.8	-16.0
7.5	-36.1	-16.0
7.6	-36.8	-16.0
7.7	-37.6	-16.0
7.8	-36.8	-16.0
7.9	-41.1	-16.0
8.0	-35.4	-16.0
8.1	-44.1	-16.0
8.2	-40.7	-16.0
8.3	-38.7	-16.0
8.4	-39.9	-16.0
8.5	-39.5	-16.0
8.6	-27.2	-16.0
8.7	-41.6	-16.0
8.8	-42.9	-16.0
8.9	-28.7	-16.0
9.0	-39.9	-16.0
9.1	-39.8	-16.0
9.2	-39.1	
9.3	-39.6	
9.4	-43.0	

(C)

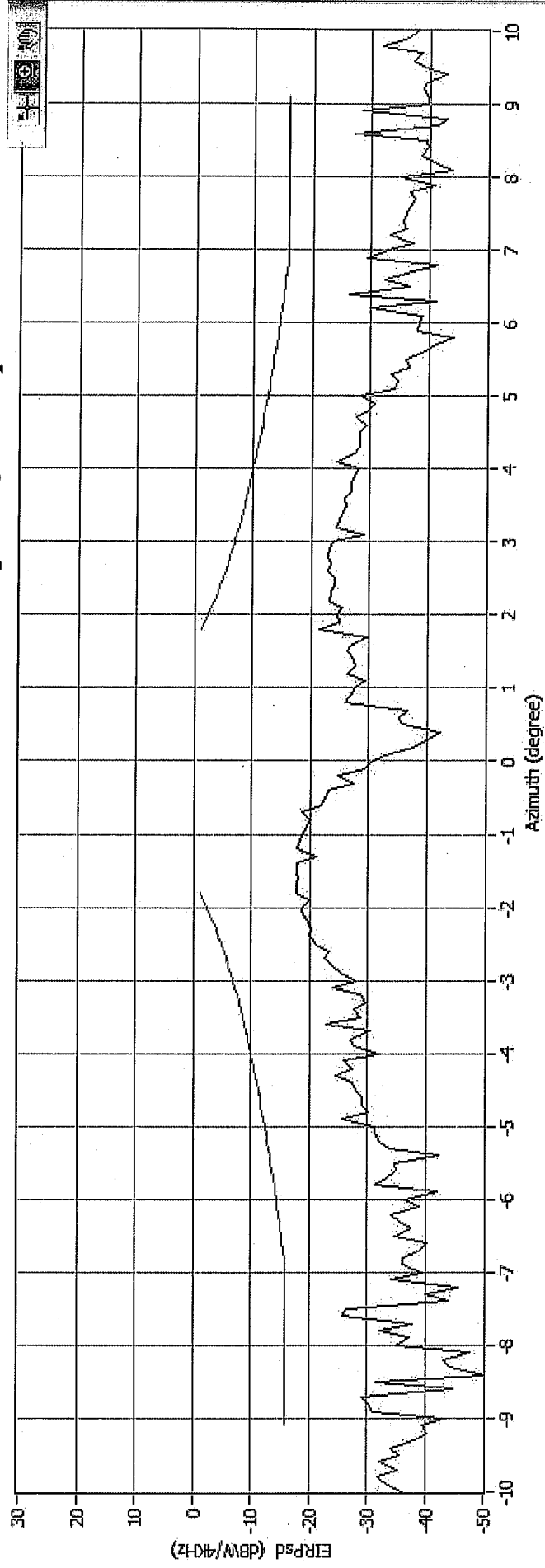
25

-0.5	-22.8	
-0.4	-23.2	
-0.3	-27.5	
-0.2	-24.9	
-0.1	-29.3	
0.0	-30.8	

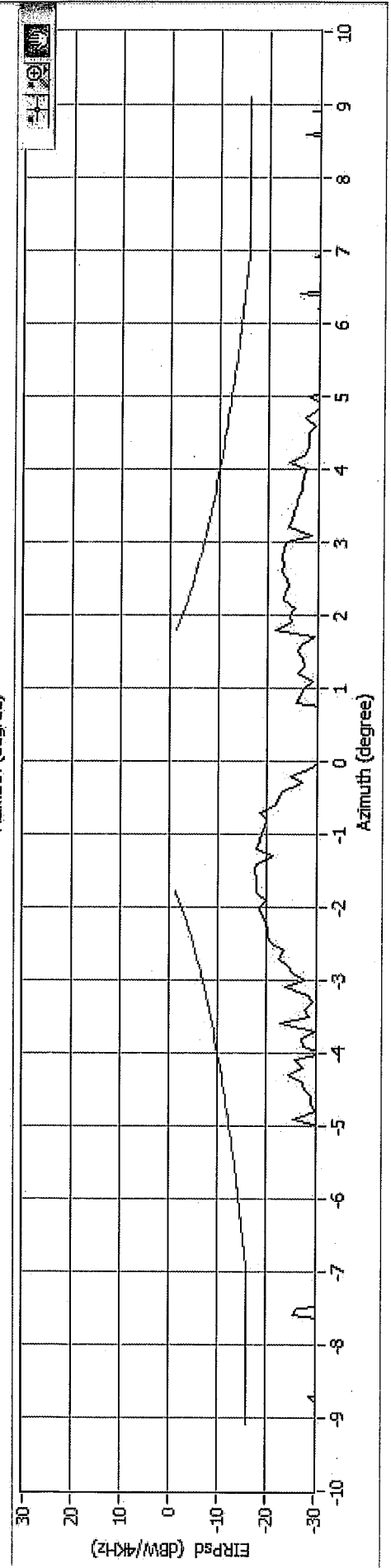
9.5	-39.4	
9.6	-37.3	
9.7	-38.8	
9.8	-31.9	
9.9	-36.6	
10.0	-38.0	

(C)

14250 MHz Azimuth HV Pin=-20.3 (dBW/4KHz)



29



(A)

26

Cobham SATCOM, SeaTel Products

1.06m EIRPsd Data Table

Azimuth Co-Pol 14.25GHz @ -16.6dBW/4KHz

Angle Degrees	EIRPsd dBW/4KHz	Mask dBW/4KHz
-178.0	-47.4	-14.0
-177.0	-47.4	-14.0
-176.0	-38.8	-14.0
-175.0	-38.5	-14.0
-174.0	-42.3	-14.0
-173.0	-42.7	-14.0
-172.0	-44.1	-14.0
-171.0	-40.9	-14.0
-170.0	-45.9	-14.0
-169.0	-41.6	-14.0
-168.0	-56.3	-14.0
-167.0	-46.0	-14.0
-166.0	-44.2	-14.0
-165.0	-49.7	-14.0
-164.0	-43.4	-14.0
-163.0	-48.0	-14.0
-162.0	-47.3	-14.0
-161.0	-61.9	-14.0
-160.0	-57.5	-14.0
-159.0	-61.9	-14.0
-158.0	-59.8	-14.0
-157.0	-55.0	-14.0
-156.0	-47.7	-14.0
-155.0	-44.4	-14.0
-154.0	-44.0	-14.0
-153.0	-48.6	-14.0
-152.0	-45.9	-14.0
-151.0	-51.1	-14.0
-150.0	-48.1	-14.0
-149.0	-47.5	-14.0
-148.0	-48.1	-14.0
-147.0	-44.8	-14.0
-146.0	-44.3	-14.0
-145.0	-42.7	-14.0
-144.0	-47.2	-14.0
-143.0	-48.6	-14.0
-142.0	-60.2	-14.0
-141.0	-44.1	-14.0
-140.0	-42.2	-14.0
-139.0	-41.2	-14.0
-138.0	-44.7	-14.0
-137.0	-50.6	-14.0
-136.0	-42.9	-14.0
-135.0	-40.1	-14.0
-134.0	-41.1	-14.0
-133.0	-44.8	-14.0
-132.0	-42.3	-14.0
-131.0	-44.0	-14.0
-130.0	-39.8	-14.0
-129.0	-37.0	-14.0

Angle Degrees	EIRPsd dBW/4KHz	Mask dBW/4KHz
0.1	25.2	
0.2	25.0	
0.3	24.7	
0.4	24.2	
0.5	23.6	
0.6	22.9	
0.7	22.0	
0.8	20.9	
0.9	19.7	
1.0	18.3	
1.1	16.5	
1.2	14.5	
1.3	12.0	
1.4	8.9	
1.5	5.0	10.6
1.6	0.2	9.9
1.7	-2.6	9.2
1.8	0.0	8.6
1.9	2.5	8.0
2.0	4.1	7.5
2.1	4.9	6.9
2.2	5.1	6.4
2.3	5.0	6.0
2.4	4.5	5.5
2.5	3.8	5.0
2.6	2.8	4.6
2.7	1.8	4.2
2.8	0.7	3.8
2.9	-0.4	3.4
3.0	-1.4	3.1
3.1	-2.4	2.7
3.2	-3.4	2.4
3.3	-4.4	2.0
3.4	-5.6	1.7
3.5	-7.0	1.4
3.6	-8.5	1.1
3.7	-10.2	0.8
3.8	-11.6	0.5
3.9	-12.0	0.2
4.0	-11.3	-0.1
4.1	-9.8	-0.3
4.2	-8.7	-0.6
4.3	-7.8	-0.8
4.4	-7.4	-1.1
4.5	-7.2	-1.3
4.6	-7.2	-1.6
4.7	-7.3	-1.8
4.8	-7.5	-2.0
4.9	-7.8	-2.3
5.0	-8.1	-2.5

(A)

26

-128.0	-38.8	-14.0
-127.0	-38.9	-14.0
-126.0	-38.5	-14.0
-125.0	-38.4	-14.0
-124.0	-39.2	-14.0
-123.0	-35.0	-14.0
-122.0	-34.5	-14.0
-121.0	-34.6	-14.0
-120.0	-33.3	-14.0
-119.0	-31.7	-14.0
-118.0	-31.7	-14.0
-117.0	-31.4	-14.0
-116.0	-31.6	-14.0
-115.0	-30.1	-14.0
-114.0	-29.1	-14.0
-113.0	-28.6	-14.0
-112.0	-27.5	-14.0
-111.0	-26.1	-14.0
-110.0	-25.3	-14.0
-109.0	-25.0	-14.0
-108.0	-24.7	-14.0
-107.0	-23.0	-14.0
-106.0	-23.2	-14.0
-105.0	-22.7	-14.0
-104.0	-22.1	-14.0
-103.0	-23.0	-14.0
-102.0	-23.1	-14.0
-101.0	-23.3	-14.0
-100.0	-24.0	-14.0
-99.0	-23.3	-14.0
-98.0	-24.0	-14.0
-97.0	-23.2	-14.0
-96.0	-21.8	-14.0
-95.0	-21.7	-14.0
-94.0	-20.6	-14.0
-93.0	-21.5	-14.0
-92.0	-22.1	-14.0
-91.0	-22.2	-14.0
-90.0	-22.2	-14.0
-89.0	-21.7	-14.0
-88.0	-20.9	-14.0
-87.0	-22.4	-14.0
-86.0	-20.9	-14.0
-85.0	-24.9	-24.0
-84.0	-23.2	-24.0
-83.0	-23.7	-24.0
-82.0	-23.4	-24.0
-81.0	-23.9	-24.0
-80.0	-24.1	-24.0
-79.0	-24.1	-24.0
-78.0	-25.4	-24.0
-77.0	-26.8	-24.0
-76.0	-27.7	-24.0
-75.0	-29.7	-24.0
-74.0	-30.9	-24.0
-73.0	-31.4	-24.0
-72.0	-30.7	-24.0

5.1	-8.4	-2.7
5.2	-8.7	-2.9
5.3	-9.0	-3.1
5.4	-9.5	-3.3
5.5	-10.1	-3.5
5.6	-10.9	-3.7
5.7	-12.1	-3.9
5.8	-13.7	-4.1
5.9	-15.9	-4.3
6.0	-19.1	-4.5
6.1	-24.0	-4.6
6.2	-33.0	-4.8
6.3	-32.3	-5.0
6.4	-25.4	-5.2
6.5	-22.5	-5.3
6.6	-21.3	-5.5
6.7	-21.1	-5.7
6.8	-21.8	-5.8
6.9	-23.3	-6.0
7.0	-26.0	-6.1
7.1	-30.4	-6.0
7.2	-31.5	-6.0
7.3	-27.2	-6.0
7.4	-23.7	-6.0
7.5	-21.6	-6.0
7.6	-20.4	-6.0
7.7	-20.0	-6.0
7.8	-20.3	-6.0
7.9	-21.3	-6.0
8.0	-23.1	-6.0
8.1	-25.5	-6.0
8.2	-26.9	-6.0
8.3	-25.0	-6.0
8.4	-21.9	-6.0
8.5	-19.3	-6.0
8.6	-17.4	-6.0
8.7	-16.0	-6.0
8.8	-15.1	-6.0
8.9	-14.5	-6.0
9.0	-14.2	-6.0
9.1	-14.3	-6.0
9.2	-14.6	-6.1
9.3	-15.3	-6.2
9.4	-16.2	-6.3
9.5	-17.3	-6.4
9.6	-18.7	-6.6
9.7	-20.1	-6.7
9.8	-21.5	-6.8
9.9	-22.2	-6.9
10.0	-22.3	-7.0
11.0	-16.1	-8.0
12.0	-10.3	-9.0
13.0	-21.1	-9.8
14.0	-18.2	-10.7
15.0	-11.8	-11.4
16.0	-26.1	-12.1
17.0	-22.7	-12.8

(4)

26

-71.0	-31.9	-24.0
-70.0	-32.5	-24.0
-69.0	-28.8	-24.0
-68.0	-28.5	-24.0
-67.0	-30.1	-24.0
-66.0	-28.4	-24.0
-65.0	-27.8	-24.0
-64.0	-28.4	-24.0
-63.0	-30.2	-24.0
-62.0	-29.1	-24.0
-61.0	-29.0	-24.0
-60.0	-33.1	-24.0
-59.0	-29.4	-24.0
-58.0	-30.3	-24.0
-57.0	-34.3	-24.0
-56.0	-31.7	-24.0
-55.0	-28.6	-24.0
-54.0	-27.1	-24.0
-53.0	-27.8	-24.0
-52.0	-29.1	-24.0
-51.0	-23.1	-24.0
-50.0	-23.2	-24.0
-49.0	-24.4	-24.0
-48.0	-25.0	-24.0
-47.0	-26.5	-23.8
-46.0	-23.1	-23.6
-45.0	-24.6	-23.3
-44.0	-29.5	-23.1
-43.0	-31.4	-22.8
-42.0	-31.3	-22.6
-41.0	-23.7	-22.3
-40.0	-25.7	-22.1
-39.0	-28.2	-21.8
-38.0	-27.1	-21.5
-37.0	-26.6	-21.2
-36.0	-22.8	-20.9
-35.0	-27.2	-20.6
-34.0	-26.5	-20.3
-33.0	-23.4	-20.0
-32.0	-25.2	-19.6
-31.0	-21.8	-19.3
-30.0	-22.8	-18.9
-29.0	-25.8	-18.6
-28.0	-22.3	-18.2
-27.0	-33.9	-17.8
-26.0	-17.6	-17.4
-25.0	-18.2	-16.9
-24.0	-30.3	-16.5
-23.0	-21.7	-16.0
-22.0	-17.8	-15.6
-21.0	-23.3	-15.1
-20.0	-13.9	-14.5
-19.0	-14.2	-14.0
-18.0	-18.8	-13.4
-17.0	-26.0	-12.8
-16.0	-26.7	-12.1
-15.0	-10.7	-11.4

18.0	-17.1	-13.4
19.0	-11.3	-14.0
20.0	-13.2	-14.5
21.0	-18.7	-15.1
22.0	-13.8	-15.6
23.0	-17.4	-16.0
24.0	-27.1	-16.5
25.0	-25.2	-16.9
26.0	-20.1	-17.4
27.0	-22.0	-17.8
28.0	-30.0	-18.2
29.0	-22.3	-18.6
30.0	-27.0	-18.9
31.0	-29.7	-19.3
32.0	-37.8	-19.6
33.0	-31.8	-20.0
34.0	-36.6	-20.3
35.0	-37.9	-20.6
36.0	-31.8	-20.9
37.0	-30.7	-21.2
38.0	-29.0	-21.5
39.0	-28.4	-21.8
40.0	-28.7	-22.1
41.0	-26.9	-22.3
42.0	-34.0	-22.6
43.0	-32.6	-22.8
44.0	-34.0	-23.1
45.0	-27.7	-23.3
46.0	-28.1	-23.6
47.0	-39.3	-23.8
48.0	-42.3	-24.0
49.0	-40.4	-24.0
50.0	-35.0	-24.0
51.0	-37.8	-24.0
52.0	-26.1	-24.0
53.0	-24.3	-24.0
54.0	-24.3	-24.0
55.0	-23.4	-24.0
56.0	-22.9	-24.0
57.0	-21.5	-24.0
58.0	-22.4	-24.0
59.0	-23.6	-24.0
60.0	-22.4	-24.0
61.0	-21.9	-24.0
62.0	-22.7	-24.0
63.0	-23.4	-24.0
64.0	-22.8	-24.0
65.0	-22.1	-24.0
66.0	-23.6	-24.0
67.0	-24.3	-24.0
68.0	-23.3	-24.0
69.0	-22.7	-24.0
70.0	-23.2	-24.0
71.0	-22.9	-24.0
72.0	-22.9	-24.0
73.0	-22.3	-24.0
74.0	-22.9	-24.0

(A)

26

-14.0	-14.2	-10.7
-13.0	-19.9	-9.8
-12.0	-14.6	-9.0
-11.0	-24.0	-8.0
-10.0	-11.2	-7.0
-9.9	-9.9	-6.9
-9.8	-8.8	-6.8
-9.7	-7.8	-6.7
-9.6	-7.0	-6.6
-9.5	-6.4	-6.4
-9.4	-5.9	-6.3
-9.3	-5.5	-6.2
-9.2	-5.2	-6.0
-9.1	-5.2	-6.0
-9.0	-5.3	-6.0
-8.9	-5.6	-6.0
-8.8	-6.0	-6.0
-8.7	-6.6	-6.0
-8.6	-7.4	-6.0
-8.5	-8.5	-6.0
-8.4	-9.5	-6.0
-8.3	-10.9	-6.0
-8.2	-12.3	-6.0
-8.1	-13.8	-6.0
-8.0	-15.1	-6.0
-7.9	-16.2	-6.0
-7.8	-16.8	-6.0
-7.7	-16.8	-6.0
-7.6	-16.2	-6.0
-7.5	-15.2	-6.0
-7.4	-13.9	-6.0
-7.3	-12.6	-6.0
-7.2	-11.4	-6.0
-7.1	-10.4	-6.0
-7.0	-9.5	-6.1
-6.9	-8.8	-6.0
-6.8	-8.3	-5.8
-6.7	-8.0	-5.7
-6.6	-8.1	-5.5
-6.5	-8.3	-5.3
-6.4	-8.8	-5.2
-6.3	-9.6	-5.0
-6.2	-10.7	-4.8
-6.1	-12.1	-4.6
-6.0	-13.6	-4.5
-5.9	-15.3	-4.3
-5.8	-16.7	-4.1
-5.7	-17.3	-3.9
-5.6	-16.7	-3.7
-5.5	-15.3	-3.5
-5.4	-13.6	-3.3
-5.3	-11.8	-3.1
-5.2	-10.0	-2.9
-5.1	-8.3	-2.7
-5.0	-6.8	-2.5
-4.9	-5.5	-2.3
-4.8	-4.4	-2.0

75.0	-23.7	-24.0
76.0	-24.6	-24.0
77.0	-24.2	-24.0
78.0	-25.9	-24.0
79.0	-25.6	-24.0
80.0	-25.2	-24.0
81.0	-24.6	-24.0
82.0	-24.5	-24.0
83.0	-26.5	-24.0
84.0	-27.8	-24.0
85.0	-25.1	-24.0
86.0	-27.0	-14.0
87.0	-24.6	-14.0
88.0	-25.5	-14.0
89.0	-25.6	-14.0
90.0	-27.2	-14.0
91.0	-26.6	-14.0
92.0	-27.1	-14.0
93.0	-26.5	-14.0
94.0	-27.1	-14.0
95.0	-27.5	-14.0
96.0	-28.2	-14.0
97.0	-29.6	-14.0
98.0	-32.1	-14.0
99.0	-29.2	-14.0
100.0	-29.0	-14.0
101.0	-26.9	-14.0
102.0	-24.6	-14.0
103.0	-24.2	-14.0
104.0	-22.5	-14.0
105.0	-23.0	-14.0
106.0	-23.4	-14.0
107.0	-23.4	-14.0
108.0	-23.9	-14.0
109.0	-24.2	-14.0
110.0	-24.2	-14.0
111.0	-26.4	-14.0
112.0	-26.2	-14.0
113.0	-28.3	-14.0
114.0	-28.4	-14.0
115.0	-30.1	-14.0
116.0	-30.6	-14.0
117.0	-30.5	-14.0
118.0	-31.0	-14.0
119.0	-31.8	-14.0
120.0	-33.4	-14.0
121.0	-33.2	-14.0
122.0	-34.5	-14.0
123.0	-34.0	-14.0
124.0	-35.9	-14.0
125.0	-35.2	-14.0
126.0	-38.1	-14.0
127.0	-40.1	-14.0
128.0	-38.1	-14.0
129.0	-40.8	-14.0
130.0	-42.5	-14.0
131.0	-41.7	-14.0

(A)

-4.7	-3.5	-1.8
-4.6	-2.9	-1.6
-4.5	-2.5	-1.3
-4.4	-2.4	-1.1
-4.3	-2.6	-0.8
-4.2	-3.1	-0.6
-4.1	-4.1	-0.3
-4.0	-5.5	0.0
-3.9	-7.6	0.2
-3.8	-10.3	0.5
-3.7	-12.9	0.8
-3.6	-12.2	1.1
-3.5	-9.2	1.4
-3.4	-6.6	1.7
-3.3	-4.6	2.0
-3.2	-3.3	2.4
-3.1	-2.3	2.7
-3.0	-1.7	3.1
-2.9	-1.3	3.4
-2.8	-1.0	3.8
-2.7	-0.8	4.2
-2.6	-0.5	4.6
-2.5	-0.1	5.1
-2.4	0.3	5.5
-2.3	0.5	6.0
-2.2	0.5	6.4
-2.1	0.3	6.9
-2.0	-0.1	7.5
-1.9	-0.2	8.0
-1.8	0.9	8.6
-1.7	3.3	9.2
-1.6	6.3	9.9
-1.5	9.1	10.6
-1.4	11.6	
-1.3	13.9	
-1.2	15.9	
-1.1	17.5	
-1.0	19.0	
-0.9	20.3	
-0.8	21.4	
-0.7	22.4	
-0.6	23.2	
-0.5	23.9	
-0.4	24.4	
-0.3	24.8	
-0.2	25.1	
-0.1	25.2	
0.0	25.3	

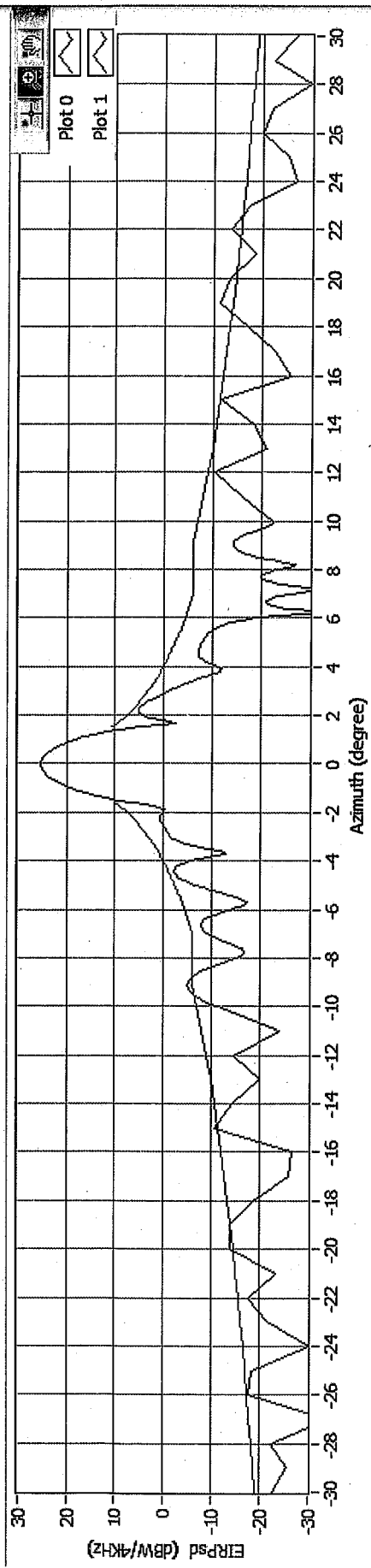
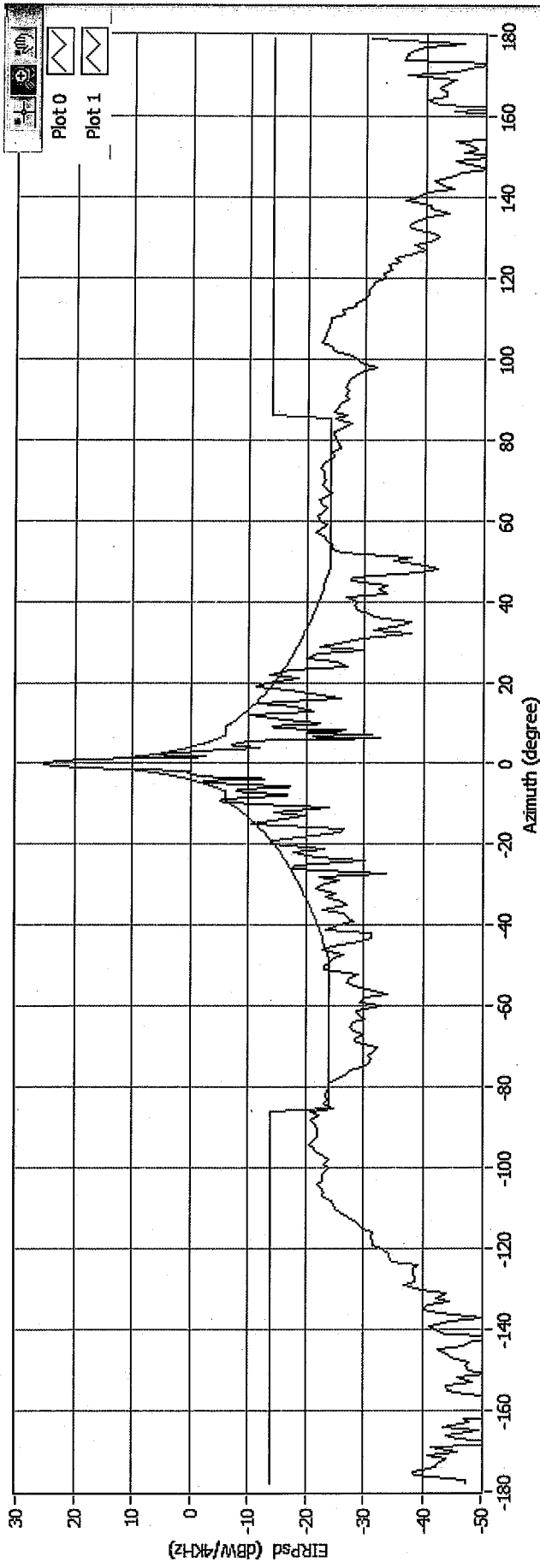
26

132.0	-37.5	-14.0
133.0	-37.4	-14.0
134.0	-38.3	-14.0
135.0	-40.5	-14.0
136.0	-44.1	-14.0
137.0	-40.9	-14.0
138.0	-41.1	-14.0
139.0	-36.8	-14.0
140.0	-38.6	-14.0
141.0	-40.1	-14.0
142.0	-44.9	-14.0
143.0	-43.1	-14.0
144.0	-41.5	-14.0
145.0	-44.2	-14.0
146.0	-46.5	-14.0
147.0	-51.3	-14.0
148.0	-47.5	-14.0
149.0	-45.2	-14.0
150.0	-53.3	-14.0
151.0	-46.6	-14.0
152.0	-48.8	-14.0
153.0	-47.5	-14.0
154.0	-45.1	-14.0
155.0	-61.0	-14.0
156.0	-52.8	-14.0
157.0	-52.8	-14.0
158.0	-59.8	-14.0
159.0	-59.8	-14.0
160.0	-55.5	-14.0
161.0	-45.1	-14.0
162.0	-53.5	-14.0
163.0	-42.5	-14.0
164.0	-40.3	-14.0
165.0	-43.5	-14.0
166.0	-43.6	-14.0
167.0	-42.3	-14.0
168.0	-43.9	-14.0
169.0	-45.3	-14.0
170.0	-37.2	-14.0
171.0	-45.6	-14.0
172.0	-47.5	-14.0
173.0	-52.1	-14.0
174.0	-36.5	-14.0
175.0	-37.0	-14.0
176.0	-37.4	-14.0
177.0	-40.0	-14.0
178.0	-46.7	-14.0
179.0	-30.9	-14.0

(A)

26

14250 MHz Azimuth HH Pin=-16.6 (dBW/4KHz)



Source File	Freq(MHz)	Scan	Pol	EIRPsd	Over%	a =	a ~7	7 ~9.2	9.2 ~48	48 ~85	85 ~180
M:\TestData\Database\4012Ku_2012_0330_MI_FCC\MI_FCC_Data\04182012\14250_AZ_HH.s	14250	AZ	HH	25.26	9.29	1.50	0.00	0.83	2.64	2.52	0.00

(B)

27

Cobham SATCOM, SeaTel Products

1.06m EIRPsd Data Table

Elevation Co-Pol 14.25GHz @ -16.6dBW/4KHz

Angle Degrees	EIRPsd dBW/4KHz	Mask dBW/4KHz
0.0	25.2	
0.1	25.2	
0.2	25.0	
0.3	24.7	
0.4	24.3	
0.5	23.8	
0.6	23.1	
0.7	22.3	
0.8	21.4	
0.9	20.2	
1.0	18.8	
1.1	17.2	
1.2	15.4	
1.3	13.1	
1.4	10.3	
1.5	6.8	10.6
1.6	1.7	9.9
1.7	-6.3	9.2
1.8	-5.0	8.6
1.9	0.4	8.0
2.0	3.2	7.5
2.1	4.6	6.9
2.2	5.4	6.4
2.3	5.6	6.0
2.4	5.4	5.5
2.5	4.9	5.1
2.6	4.2	4.6
2.7	3.0	4.2
2.8	1.7	3.8
2.9	0.1	3.4
3.0	-1.9	3.1
3.1	-4.2	2.7
3.2	-6.8	2.4
3.3	-9.8	2.0
3.4	-13.2	1.7
3.5	-17.3	1.4
3.6	-23.7	1.1
3.7	-42.7	0.8
3.8	-24.0	0.5
3.9	-17.4	0.2
4.0	-13.3	-0.1
4.1	-10.5	-0.3
4.2	-8.5	-0.6
4.3	-6.9	-0.8
4.4	-5.6	-1.1
4.5	-4.6	-1.3
4.6	-3.9	-1.6
4.7	-3.4	-1.8
4.8	-3.2	-2.0
4.9	-3.0	-2.3

(B)

27

5.0	-3.1	-2.5
5.1	-3.2	-2.7
5.2	-3.6	-2.9
5.3	-4.1	-3.1
5.4	-4.7	-3.3
5.5	-5.4	-3.5
5.6	-6.2	-3.7
5.7	-7.1	-3.9
5.8	-8.1	-4.1
5.9	-9.0	-4.3
6.0	-9.7	-4.5
6.1	-10.1	-4.6
6.2	-10.2	-4.8
6.3	-9.9	-5.0
6.4	-9.5	-5.2
6.5	-9.1	-5.3
6.6	-8.7	-5.5
6.7	-8.3	-5.7
6.8	-8.1	-5.8
6.9	-7.9	-6.0
7.0	-7.8	-6.0
7.1	-7.8	-6.0
7.2	-7.8	-6.0
7.3	-7.9	-6.0
7.4	-8.1	-6.0
7.5	-8.3	-6.0
7.6	-8.5	-6.0
7.7	-8.9	-6.0
7.8	-9.2	-6.0
7.9	-9.6	-6.0
8.0	-10.0	-6.0
8.1	-10.3	-6.0
8.2	-10.5	-6.0
8.3	-10.6	-6.0
8.4	-10.5	-6.0
8.5	-10.3	-6.0
8.6	-9.9	-6.0
8.7	-9.5	-6.0
8.8	-9.1	-6.0
8.9	-8.8	-6.0
9.0	-8.5	-6.0
9.1	-8.3	-6.0
9.2	-8.2	-6.1
9.3	-8.2	-6.2
9.4	-8.3	-6.3
9.5	-8.5	-6.4
9.6	-8.8	-6.6
9.7	-9.2	-6.7
9.8	-9.7	-6.8
9.9	-10.2	-6.9
10.0	-10.9	-7.0
11.0	-17.1	-8.0
12.0	-11.6	-9.0
13.0	-18.8	-9.8
14.0	-24.0	-10.7
15.0	-17.3	-11.4
16.0	-15.8	-12.1

(B)

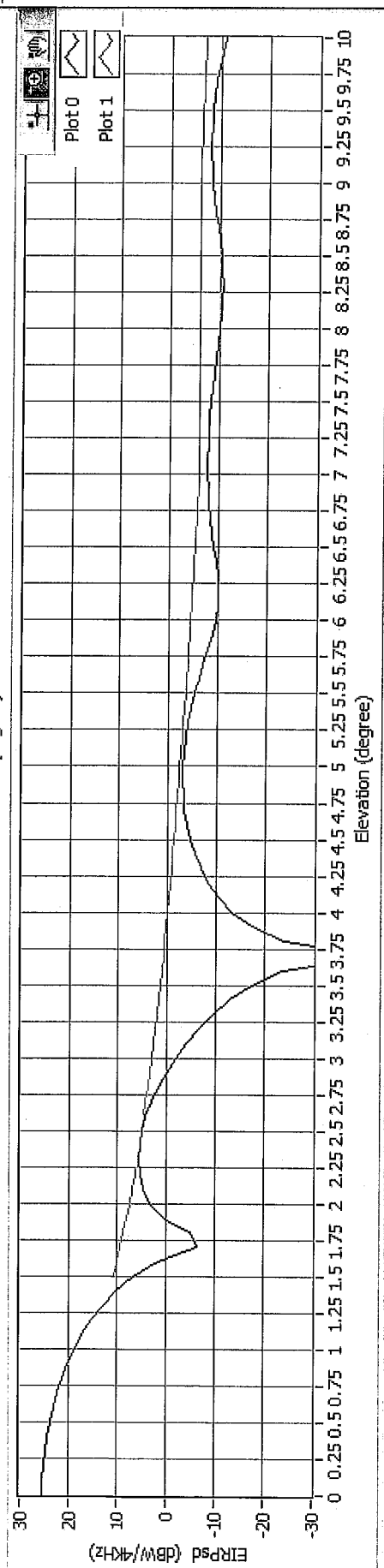
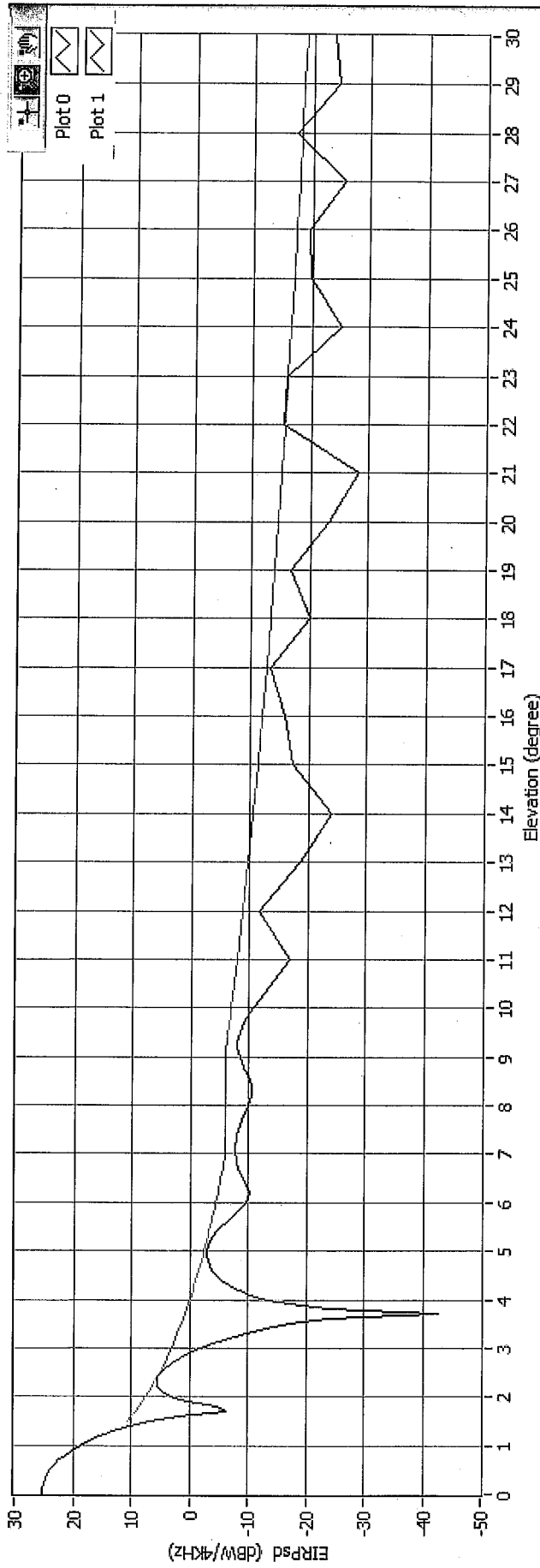
17.0	-13.5	-12.8
18.0	-20.2	-13.4
19.0	-16.7	-14.0
20.0	-23.2	-14.5
21.0	-28.4	-15.1
22.0	-15.2	-15.6
23.0	-15.8	-16.0
24.0	-25.3	-16.5
25.0	-19.9	-16.9
26.0	-19.6	-17.4
27.0	-25.7	-17.8
28.0	-17.4	-18.2
29.0	-24.7	-18.6
30.0	-23.9	-18.9

27

(B)

27

14250 MHz Elevation HH Pin=-16.6 (dBW/4KHz)



Source File

MI	Freq(MHz)	Scan	Pol	ERPs	Over%	a=	a~7	7~9.2	9.2~48	48~85	85~180
M:\TestData\Database\4012Ku_2012_0330_MI_FCC\All_FCC_Data\04182012\14250_EL_HH.s	14250	EL	HH	25.24	9.55	1.50	0.00	0.00	1.51	0.00	0.00

(C)

28

Cobham SATCOM, SeaTel Products

1.06m EIRPsd Data Table

Azimuth X-Pol 14.25GHz @ -16.6dBW/4KHz

Angle Degrees	EIRPsd dBW/4KHz	Mask dBW/4KHz
-10.0	-36.6	
-9.9	-35.8	
-9.8	-35.3	
-9.7	-35.2	
-9.6	-35.3	
-9.5	-35.5	
-9.4	-35.8	
-9.3	-36.4	
-9.2	-36.9	-16.0
-9.1	-37.2	-16.0
-9.0	-36.8	-16.0
-8.9	-35.9	-16.0
-8.8	-35.0	-16.0
-8.7	-34.1	-16.0
-8.6	-33.4	-16.0
-8.5	-32.6	-16.0
-8.4	-32.1	-16.0
-8.3	-31.7	-16.0
-8.2	-31.6	-16.0
-8.1	-31.8	-16.0
-8.0	-31.9	-16.0
-7.9	-32.0	-16.0
-7.8	-32.1	-16.0
-7.7	-32.3	-16.0
-7.6	-32.7	-16.0
-7.5	-32.9	-16.0
-7.4	-32.9	-16.0
-7.3	-32.6	-16.0
-7.2	-32.3	-16.0
-7.1	-31.9	-16.0
-7.0	-31.6	-16.1
-6.9	-31.1	-16.0
-6.8	-30.7	-15.8
-6.7	-30.3	-15.7
-6.6	-30.0	-15.5
-6.5	-29.8	-15.3
-6.4	-29.4	-15.2
-6.3	-29.1	-15.0
-6.2	-28.9	-14.8
-6.1	-28.8	-14.6
-6.0	-28.8	-14.5
-5.9	-29.1	-14.3
-5.8	-29.5	-14.1
-5.7	-30.4	-13.9
-5.6	-31.7	-13.7
-5.5	-33.5	-13.5
-5.4	-35.6	-13.3
-5.3	-37.4	-13.1
-5.2	-37.4	-12.9
-5.1	-35.3	-12.7

Angle Degrees	EIRPsd dBW/4KHz	Mask dBW/4KHz
0.0	-5.5	
0.1	-5.6	
0.2	-5.8	
0.3	-6.2	
0.4	-6.9	
0.5	-7.9	
0.6	-9.0	
0.7	-10.4	
0.8	-12.2	
0.9	-14.3	
1.0	-16.9	
1.1	-19.4	
1.2	-20.8	
1.3	-20.1	
1.4	-18.3	
1.5	-16.7	
1.6	-15.6	
1.7	-14.8	
1.8	-14.4	-1.4
1.9	-14.3	-2.0
2.0	-14.4	-2.5
2.1	-14.8	-3.1
2.2	-15.4	-3.6
2.3	-16.1	-4.0
2.4	-17.2	-4.5
2.5	-18.4	-5.0
2.6	-19.9	-5.4
2.7	-21.5	-5.8
2.8	-23.2	-6.2
2.9	-25.0	-6.6
3.0	-26.7	-6.9
3.1	-27.8	-7.3
3.2	-28.1	-7.6
3.3	-27.6	-8.0
3.4	-26.9	-8.3
3.5	-26.2	-8.6
3.6	-25.7	-8.9
3.7	-25.4	-9.2
3.8	-25.3	-9.5
3.9	-25.3	-9.8
4.0	-25.4	-10.1
4.1	-25.6	-10.3
4.2	-26.1	-10.6
4.3	-26.6	-10.8
4.4	-27.3	-11.1
4.5	-28.1	-11.3
4.6	-29.1	-11.6
4.7	-30.5	-11.8
4.8	-32.2	-12.0
4.9	-34.2	-12.3

(C)

28

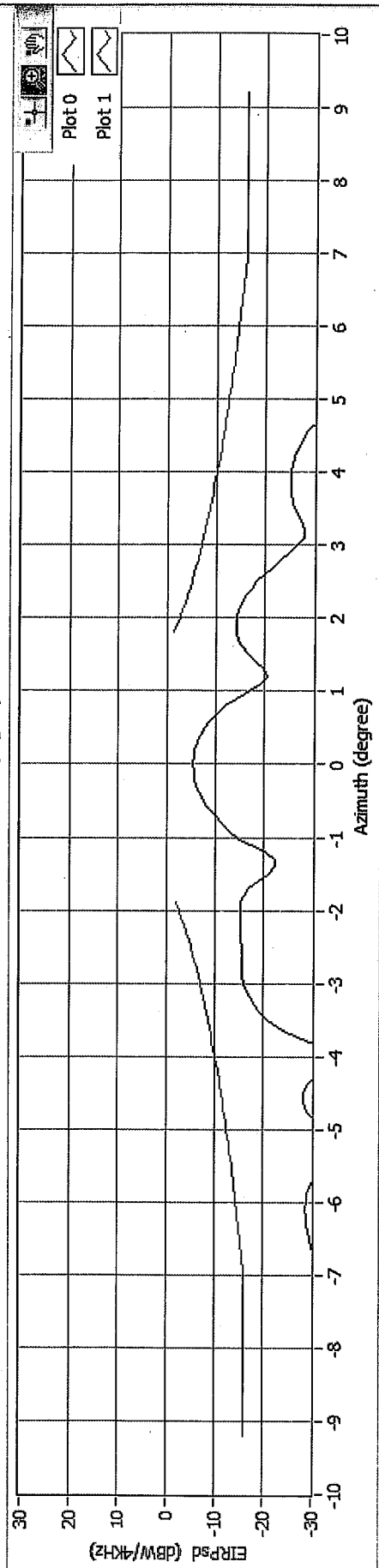
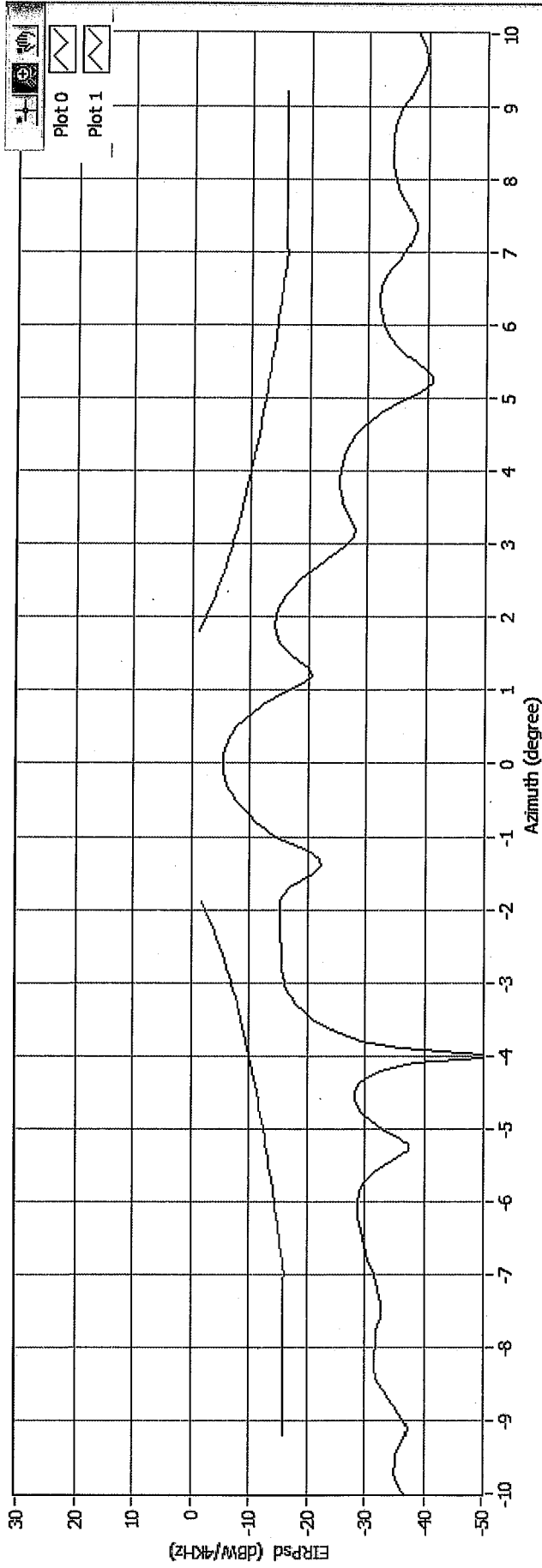
-5.0	-33.1	-12.5
-4.9	-31.2	-12.3
-4.8	-29.7	-12.0
-4.7	-28.7	-11.8
-4.6	-28.3	-11.6
-4.5	-28.4	-11.3
-4.4	-28.9	-11.1
-4.3	-30.3	-10.8
-4.2	-32.9	-10.6
-4.1	-38.3	-10.3
-4.0	-54.1	-10.0
-3.9	-35.9	-9.8
-3.8	-29.6	-9.5
-3.7	-25.7	-9.2
-3.6	-23.0	-8.9
-3.5	-21.1	-8.6
-3.4	-19.4	-8.3
-3.3	-18.2	-8.0
-3.2	-17.2	-7.6
-3.1	-16.5	-7.3
-3.0	-16.1	-6.9
-2.9	-15.8	-6.6
-2.8	-15.6	-6.2
-2.7	-15.6	-5.8
-2.6	-15.6	-5.4
-2.5	-15.6	-4.9
-2.4	-15.5	-4.5
-2.3	-15.4	-4.0
-2.2	-15.3	-3.6
-2.1	-15.4	-3.1
-2.0	-15.4	-2.5
-1.9	-15.4	-2.0
-1.8	-15.8	
-1.7	-17.0	
-1.6	-18.9	
-1.5	-21.1	
-1.4	-22.4	
-1.3	-22.2	
-1.2	-20.3	
-1.1	-17.2	
-1.0	-14.5	
-0.9	-12.7	
-0.8	-11.3	
-0.7	-10.0	
-0.6	-8.8	
-0.5	-7.8	
-0.4	-6.9	
-0.3	-6.2	
-0.2	-5.7	
-0.1	-5.5	

5.0	-36.7	-12.5
5.1	-39.1	-12.7
5.2	-40.9	-12.9
5.3	-40.9	-13.1
5.4	-39.7	-13.3
5.5	-38.2	-13.5
5.6	-36.5	-13.7
5.7	-35.0	-13.9
5.8	-34.1	-14.1
5.9	-33.3	-14.3
6.0	-32.8	-14.5
6.1	-32.5	-14.6
6.2	-32.3	-14.8
6.3	-32.1	-15.0
6.4	-32.0	-15.2
6.5	-32.2	-15.3
6.6	-32.6	-15.5
6.7	-33.4	-15.7
6.8	-34.2	-15.8
6.9	-35.3	-16.0
7.0	-36.2	-16.1
7.1	-37.0	-16.0
7.2	-37.7	-16.0
7.3	-38.2	-16.0
7.4	-38.1	-16.0
7.5	-37.6	-16.0
7.6	-36.9	-16.0
7.7	-36.2	-16.0
7.8	-35.6	-16.0
7.9	-35.2	-16.0
8.0	-34.7	-16.0
8.1	-34.5	-16.0
8.2	-34.2	-16.0
8.3	-34.1	-16.0
8.4	-34.1	-16.0
8.5	-34.1	-16.0
8.6	-34.3	-16.0
8.7	-34.5	-16.0
8.8	-34.9	-16.0
8.9	-35.3	-16.0
9.0	-36.0	-16.0
9.1	-36.7	-16.0
9.2	-37.6	-16.0
9.3	-38.2	
9.4	-39.1	
9.5	-39.7	
9.6	-39.9	
9.7	-39.8	
9.8	-39.4	
9.9	-39.0	
10.0	-38.5	

(C)

28

14250 MHz Azimuth VH Pin=-16.6 (dBW/4KHz)



Source File

Mr:\TestData\ DataBase\4012ku_2012_0330_ML_FCC\All_FCC_Data\04182012\14250_AZ_VH.s	Freq(MHz)	Scan	Pol	EIRPsd	Over%	a =	a^7	7~9.2
	14250	AZ	VH	-5.46	0.00	1.80	0.00	0.00