

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

Cobham SATCOM, Sea Tel Products

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

Cobham SATCOM, Sea Tel Products

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

Cobham SATCOM, Sea Tel Products

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

Cobham SATCOM, Sea Tel Products

1.0m EIRPsd Data Table

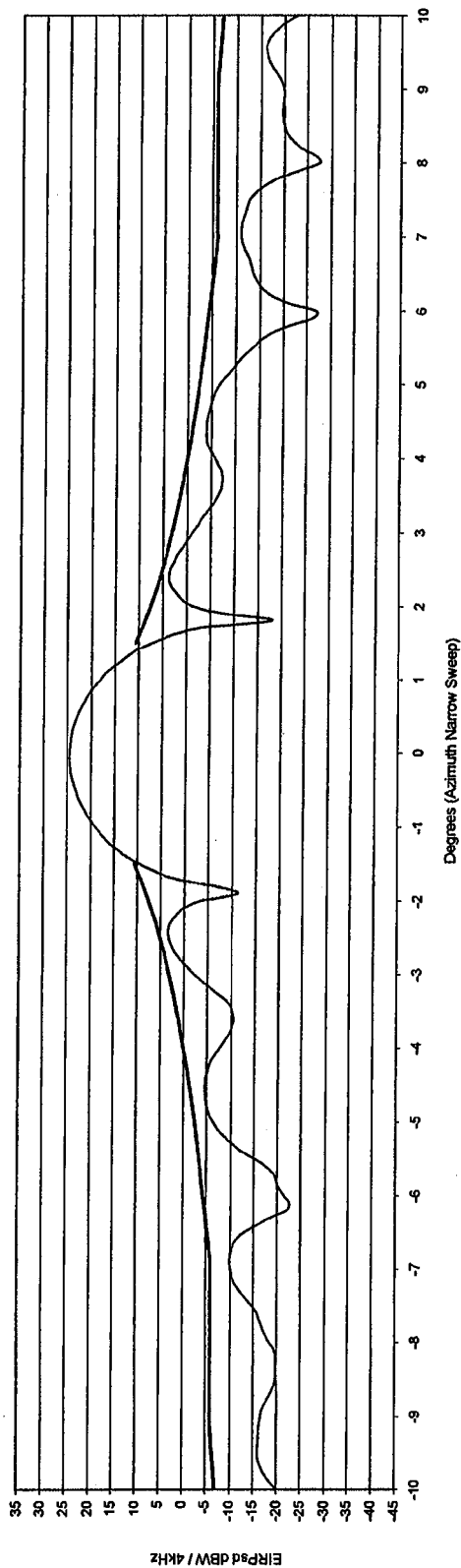
Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

-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	

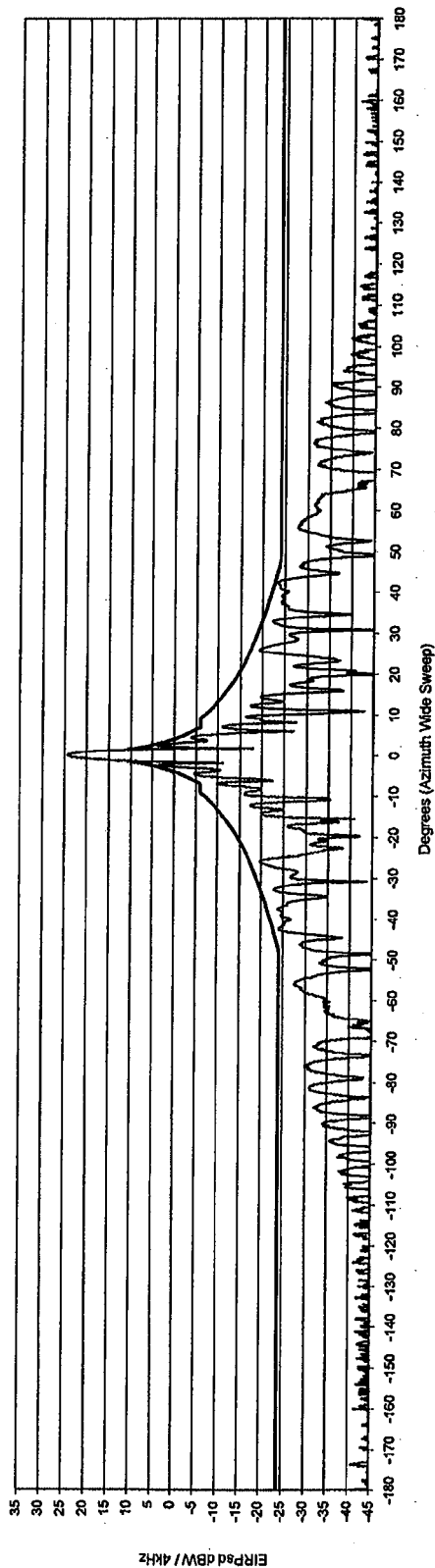
121.0	-46.1	-24.0
122.0	-47.3	-24.0
123.0	-44.8	-24.0
124.0	-42.8	-24.0
125.0	-51.9	-24.0
126.0	-43.9	-24.0
127.0	-43.9	-24.0
128.0	-49.0	-24.0
129.0	-45.0	-24.0
130.0	-47.5	-24.0
131.0	-44.4	-24.0
132.0	-46.1	-24.0
133.0	-43.9	-24.0
134.0	-52.2	-24.0
135.0	-43.0	-24.0
136.0	-44.4	-24.0
137.0	-47.5	-24.0
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 -16.3
 Gain 40.88
 Cal Factor 55.82

Peak Excursions dB
 1.5° to 7° to 180°
 -1.2 -0.7 0%

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

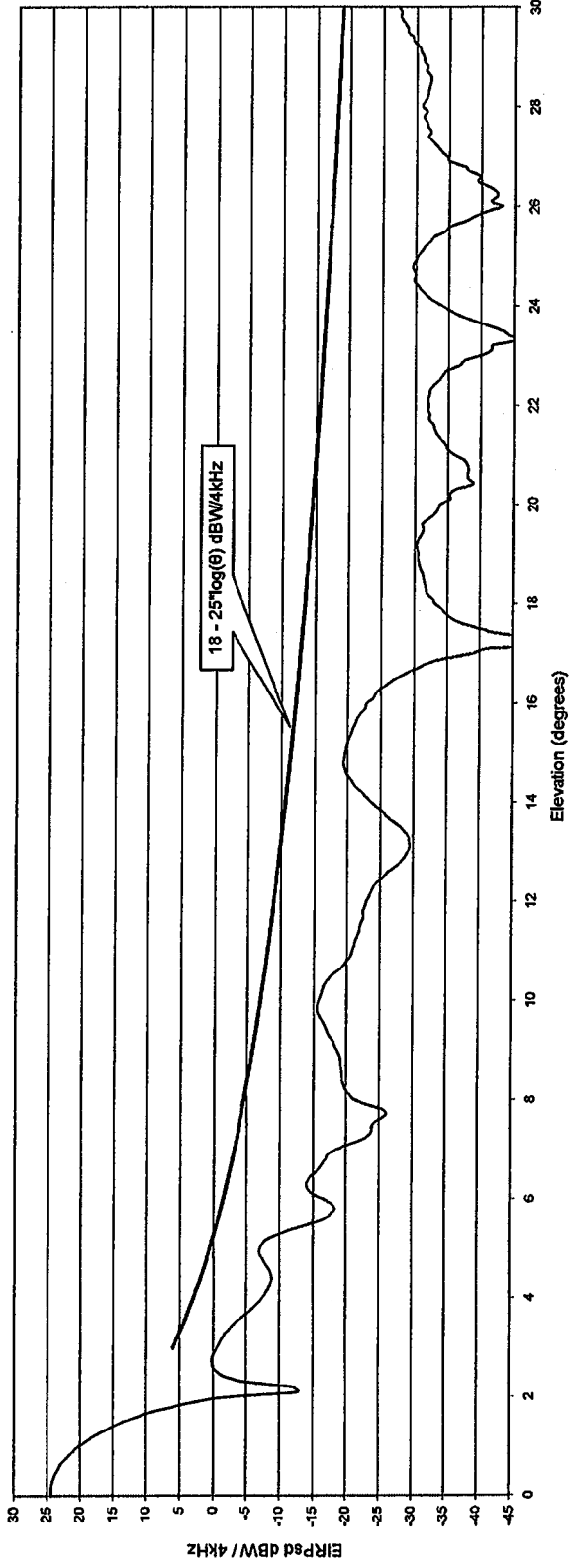
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz
0.0	24.5	
0.1	24.5	
0.2	24.4	
0.3	24.2	
0.4	23.9	
0.5	23.5	
0.6	23.1	
0.7	22.5	
0.8	21.8	
0.9	21.1	
1.0	20.2	
1.1	19.0	
1.2	18.0	
1.3	16.5	
1.4	15.1	
1.5	13.4	
1.6	11.5	
1.7	9.3	
1.8	6.1	
1.9	2.8	
2.0	-2.1	
2.1	-12.7	
2.2	-11.9	
2.3	-5.1	
2.4	-1.9	
2.5	-0.6	
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



Plot Parameters
 Input ed -16.3
 Gain 40.88
 Cal Factor 56.36

Peak Excursions dB
 3° to 30° -6.59
 % Over 0%

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

Cobham SATCOM, Sea Tel Products

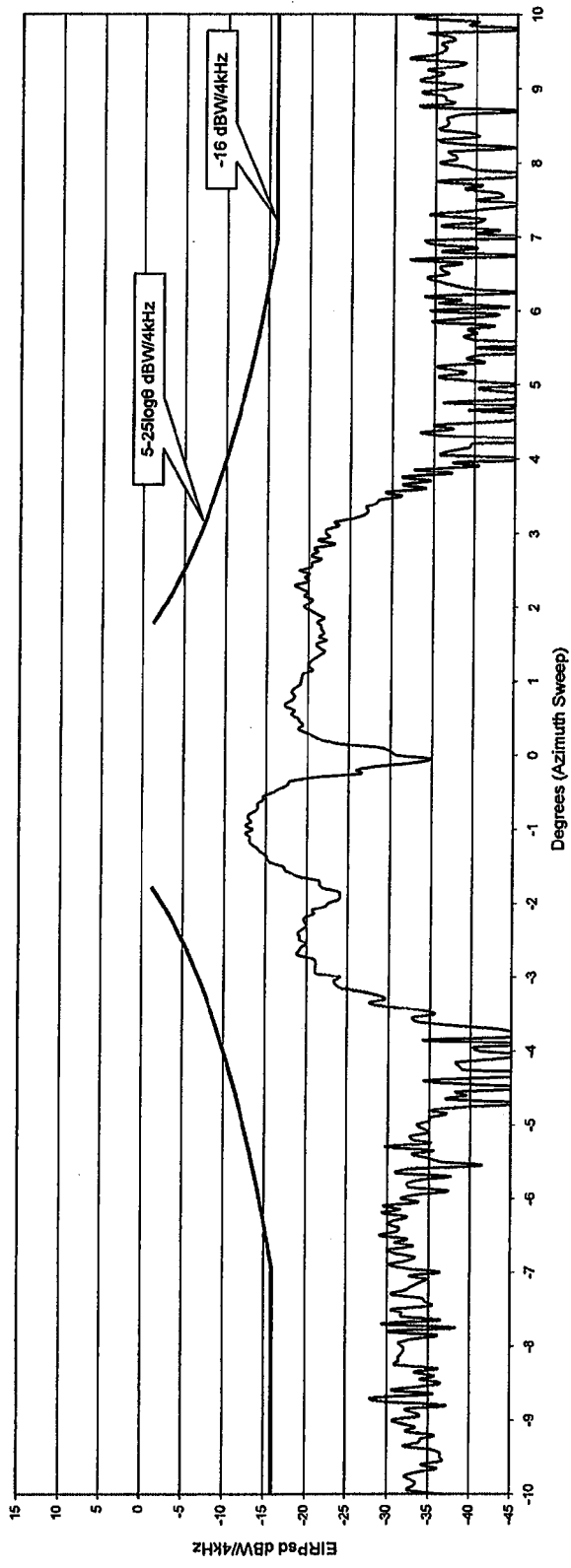
1.0M EIRPsd Data Table

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

-4.2	-38.6	-10.6	5.8	-42.2	-14.1
-4.1	-43.4	-10.3	5.9	-39.2	-14.3
-4.0	-41.3	-10.1	6.0	-34.5	-14.5
-3.9	-48.3	-9.8	6.1	-35.6	-14.6
-3.8	-45.8	-9.5	6.2	-34.0	-14.8
-3.7	-43.4	-9.2	6.3	-39.5	-15.0
-3.6	-33.4	-8.9	6.4	-35.4	-15.2
-3.5	-35.6	-8.6	6.5	-36.7	-15.3
-3.4	-29.9	-8.3	6.6	-35.7	-15.5
-3.3	-29.6	-8.0	6.7	-32.1	-15.7
-3.2	-26.9	-7.6	6.8	-35.9	-15.8
-3.1	-23.6	-7.3	6.9	-34.8	-16.0
-3.0	-24.0	-6.9	7.0	-49.2	-16.0
-2.9	-21.1	-6.6	7.1	-42.8	-16.0
-2.8	-21.2	-6.2	7.2	-40.1	-16.0
-2.7	-18.9	-5.8	7.3	-34.4	-16.0
-2.6	-19.4	-5.4	7.4	-43.2	-16.0
-2.5	-19.2	-4.9	7.5	-40.2	-16.0
-2.4	-19.0	-4.5	7.6	-42.7	-16.0
-2.3	-20.0	-4.0	7.7	-40.7	-16.0
-2.2	-19.7	-3.6	7.8	-43.5	-16.0
-2.1	-20.8	-3.1	7.9	-39.9	-16.0
-2.0	-22.7	-2.5	8.0	-35.5	-16.0
-1.9	-24.0	-2.0	8.1	-37.4	-16.0
-1.8	-22.0	-1.4	8.2	-44.9	-16.0
-1.7	-21.5		8.3	-35.3	-16.0
-1.6	-18.2		8.4	-39.6	-16.0
-1.5	-17.2		8.5	-36.4	-16.0
-1.4	-15.2		8.6	-36.4	-16.0
-1.3	-14.3		8.7	-46.3	-16.0
-1.2	-13.2		8.8	-37.2	-16.0
-1.1	-13.1		8.9	-36.0	-16.0
-1.0	-13.4		9.0	-36.7	-16.0
-0.9	-13.2		9.1	-33.2	-16.0
-0.8	-13.0		9.2	-36.0	-16.0
-0.7	-14.1		9.3	-37.4	-16.0
-0.6	-14.7		9.4	-31.9	-16.0
-0.5	-15.9		9.5	-36.0	-16.0
-0.4	-17.7		9.6	-35.6	-16.0
-0.3	-21.1		9.7	-36.5	-16.0
-0.2	-25.9		9.8	-47.3	-16.0
-0.1	-32.9		9.9	-40.2	-16.0
0.0	-30.8		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



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

File E:\LOOPCANYONACQUIREDDATA\1425XAZ_HH_ND_2.MDB



Sea Tel Inc.
4030 Nelson Ave., Concord
California, 94520, USA
T: +1 (925) 798-7979
F: +1 (925) 798-7986

FCC Declaration of Conformity

1. Sea Tel, Inc. designs, develops, manufactures and services marine stabilized antenna systems for satellite communication at sea. These products are in turn used by our customers as part of their Ku-band Earth Station on Vessels (ESV) networks.
2. FCC regulation 47 C.F.R. § 25.222 defines the provisions for blanket licensing of ESV antennas operating in the Ku Band. This declaration covers the requirements for meeting § 25.222 (a)(1) by the demonstrations outlined in paragraphs (b)(1)(i) and (b)(1)(iii). The requirements for meeting § 25.222 (a)(3)-(a)(7) are left to the applicant. The paragraph numbers in this declaration refer to the 2009 version of FCC 47 C.F.R. § 25.222.
3. Sea Tel hereby declares that the antennas listed below will meet the off-axis EIRP spectral density requirements of § 25.222 (a)(1)(i) with an N value of 1, when the following Input Power spectral density limitations are met:

*0.6 Meter Ku Band, Models 2406 and USAT-24 are limited to	-21.6 dBW/4kHz
*0.75 Meter Ku Band, Models 3011 and USAT-30 are limited to	-21.6 dBW/4kHz
1.0 Meter Ku Band, Models 4003/4006/4009/4010 are limited to	-16.3 dBW/4kHz
1.0 Meter Ku Band Model 4012 is limited to	-16.6 dBW/4kHz
1.2 Meter Ku Band, Models 4996/5009/5010 are limited to	-14.0 dBW/4kHz
1.5 Meter Ku Band, Models 6006/6009 are limited to	-14.0 dBW/4kHz
2.4 Meter Ku Band, Models 9797 and 9711QOR are limited to	-14.0 dBW/4kHz
4. Sea Tel hereby declares that the antennas referenced in paragraph 3 above, will maintain a stabilization pointing accuracy of better than 0.2 degrees under specified ship motion conditions, thus meeting the requirements of § 25.222 (a)(1)(ii)(A). Those antennas marked with * will maintain a stabilization pointing accuracy of better than 0.3 degrees. The Input Power spectral density limits for these antenna have been adjusted to meet the requirements of § 25.222 (a)(1)(ii)(B).
5. Sea Tel hereby declares that the antennas referenced in paragraph 3 above, will automatically cease transmission within 100 milliseconds if the pointing error should exceed 0.5 degrees and will not resume transmission until the error drops below 0.2 degrees, thus meeting the requirements of § 25.222 (a)(1)(iii).
6. Sea Tel maintains all relevant test data, which is available upon request, to verify these declarations.

Peter Blaney, Chief Engineer
Sea Tel, Inc
Concord, CA