

# **EXHIBIT 5**

## **Tables Required by 25.222(b)(1)(i) to Demonstrate Compliance of Orbit Antennas with 25.222(a)(1)(i)**

TABLES FOR –

ORBIT 1.2 METER KU-BAND ANTENNA (MODELS ORSAT AL-7103 MKII-KU &  
OCEAN TRx 4-500-KU)

(A) Tables AL-7103 KU & TRx 4-500-KU

Orbit Communication - Satcom Products

OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table

Co-pol Azimuth, -10° to +10° @ 0.1° increment

14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-10.0	-15.9	-7.0	-8.9
-9.9	-17.2	-6.9	-10.3
-9.8	-19.4	-6.8	-12.6
-9.7	-20.1	-6.7	-13.5
-9.6	-19.8	-6.6	-13.3
-9.5	-19.2	-6.4	-12.8
-9.4	-18.8	-6.3	-12.5
-9.3	-18.6	-6.2	-12.4
-9.2	-18.8	-6.1	-12.7
-9.1	-18.9	-6.0	-12.9
-9.0	-18.6	-6.0	-12.6
-8.9	-17.6	-6.0	-11.6
-8.8	-14.4	-6.0	-8.4
-8.7	-13.1	-6.0	-7.1
-8.6	-11.0	-6.0	-5.0
-8.5	-10.1	-6.0	-4.1
-8.4	-9.3	-6.0	-3.3
-8.3	-8.2	-6.0	-2.2
-8.2	-7.9	-6.0	-1.9
-8.1	-7.7	-6.0	-1.7
-8.0	-7.8	-6.0	-1.8
-7.9	-8.1	-6.0	-2.1
-7.8	-8.8	-6.0	-2.8
-7.7	-9.3	-6.0	-3.3
-7.6	-10.6	-6.0	-4.6
-7.5	-11.2	-6.0	-5.2
-7.4	-11.9	-6.0	-5.9
-7.3	-12.4	-6.0	-6.4
-7.2	-12.6	-6.0	-6.6
-7.1	-12.9	-6.0	-6.9
-7.0	-13.5	-6.0	-7.5
-6.9	-14.5	-6.0	-8.5
-6.8	-16.5	-5.8	-10.7
-6.7	-18.9	-5.7	-13.2
-6.6	-22.6	-5.5	-17.1
-6.5	-25.9	-5.3	-20.6
-6.4	-20.9	-5.2	-15.7
-6.3	-18.2	-5.0	-13.2
-6.2	-14.9	-4.8	-10.1
-6.1	-13.7	-4.6	-9.1
-6.0	-12.6	-4.5	-8.1
-5.9	-12.4	-4.3	-8.1
-5.8	-12.5	-4.1	-8.4
-5.7	-12.9	-3.9	-9.0
-5.6	-14.9	-3.7	-11.2
-5.5	-16.1	-3.5	-12.6
-5.4	-18.0	-3.3	-14.7
-5.3	-19.5	-3.1	-16.4
-5.2	-20.9	-2.9	-18.0
-5.1	-21.4	-2.7	-18.7
-5.0	-21.3	-2.5	-18.9
-4.9	-21.1	-2.3	-18.9
-4.8	-21.1	-2.0	-19.0
-4.7	-21.0	-1.8	-19.2
-4.6	-20.6	-1.6	-19.0
-4.5	-19.7	-1.3	-18.3
-4.4	-17.1	-1.1	-16.0
-4.3	-16.0	-0.8	-15.1
-4.2	-13.9	-0.6	-13.3
-4.1	-12.9	-0.3	-12.6
-4.0	-11.1	-0.1	-11.1
-3.9	-10.3	0.2	-10.5

14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	24.9		
0.1	24.8		
0.2	24.3		
0.3	24.0		
0.4	23.3		
0.5	22.7		
0.6	21.8		
0.7	21.1		
0.8	19.7		
0.9	18.6		
1.0	16.8		
1.1	14.7		
1.2	13.0		
1.3	11.2		
1.4	8.0		
1.5	5.8	10.6	-4.8
1.6	1.8	9.9	-8.1
1.7	-1.2	9.2	-10.5
1.8	-4.9	8.6	-13.5
1.9	-10.8	8.0	-18.8
2.0	-17.2	7.5	-24.7
2.1	-27.1	6.9	-34.0
2.2	-16.2	6.4	-22.7
2.3	-12.3	6.0	-18.3
2.4	-8.5	5.5	-14.0
2.5	-7.4	5.1	-12.4
2.6	-6.3	4.6	-10.9
2.7	-6.3	4.2	-10.5
2.8	-6.5	3.8	-10.4
2.9	-7.2	3.4	-10.7
3.0	-9.2	3.1	-12.3
3.1	-11.4	2.7	-14.1
3.2	-14.1	2.4	-16.5
3.3	-20.7	2.0	-22.7
3.4	-29.4	1.7	-31.1
3.5	-25.5	1.4	-26.9
3.6	-22.3	1.1	-23.4
3.7	-20.9	0.8	-21.7
3.8	-22.1	0.5	-22.6
3.9	-27.4	0.2	-27.7
4.0	-42.2	-0.1	-42.2
4.1	-26.2	-0.3	-25.9
4.2	-17.6	-0.6	-17.0
4.3	-14.7	-0.8	-13.8
4.4	-12.2	-1.1	-11.1
4.5	-10.8	-1.3	-9.4
4.6	-9.9	-1.6	-8.3
4.7	-9.5	-1.8	-7.7
4.8	-9.3	-2.0	-7.3
4.9	-9.2	-2.3	-7.0
5.0	-8.9	-2.5	-6.5
5.1	-8.6	-2.7	-5.9
5.2	-7.6	-2.9	-4.7
5.3	-6.8	-3.1	-3.7
5.4	-6.1	-3.3	-2.8
5.5	-5.0	-3.5	-1.5
5.6	-4.4	-3.7	-0.7
5.7	-4.2	-3.9	-0.3
5.8	-4.1	-4.1	0.0
5.9	-4.3	-4.3	0.0
6.0	-4.6	-4.5	-0.2
6.1	-5.3	-4.6	-0.6

**Orbit Communication - Satcom Products**

OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table

Co-pol Azimuth, -10° to +10° @ 0.1° increment

-3.8	-8.6	0.5	-9.1
-3.7	-7.6	0.8	-8.4
-3.6	-6.5	1.1	-7.6
-3.5	-4.8	1.4	-6.2
-3.4	-4.2	1.7	-5.9
-3.3	-3.2	2.0	-5.2
-3.2	-2.8	2.4	-5.1
-3.1	-2.6	2.7	-5.3
-3.0	-2.9	3.1	-6.0
-2.9	-3.5	3.4	-7.0
-2.8	-5.3	3.8	-9.1
-2.7	-7.4	4.2	-11.6
-2.6	-11.3	4.6	-16.0
-2.5	-12.4	5.1	-17.4
-2.4	-9.7	5.5	-15.2
-2.3	-4.5	6.0	-10.5
-2.2	-2.5	6.4	-8.9
-2.1	-0.4	6.9	-7.3
-2.0	0.8	7.5	-6.6
-1.9	1.5	8.0	-6.5
-1.8	2.9	8.6	-5.7
-1.7	4.0	9.2	-5.2
-1.6	6.6	9.9	-3.3
-1.5	9.8	10.6	-0.8
-1.4	11.5		
-1.3	13.7		
-1.2	14.9		
-1.1	16.6		
-1.0	18.5		
-0.9	19.7		
-0.8	21.3		
-0.7	22.1		
-0.6	23.2		
-0.5	23.7		
-0.4	24.3		
-0.3	24.6		
-0.2	24.8		
-0.1	24.9		
0.0	24.9		

6.2	-6.2	-4.8	-1.3
6.3	-7.2	-5.0	-2.3
6.4	-8.2	-5.2	-3.0
6.5	-9.5	-5.3	-4.2
6.6	-10.9	-5.5	-5.4
6.7	-11.5	-5.7	-5.9
6.8	-12.1	-5.8	-6.3
6.9	-13.0	-6.0	-7.1
7.0	-13.6	-6.0	-7.6
7.1	-14.5	-6.0	-8.5
7.2	-15.1	-6.0	-9.1
7.3	-15.1	-6.0	-9.1
7.4	-14.3	-6.0	-8.3
7.5	-13.4	-6.0	-7.4
7.6	-12.1	-6.0	-6.1
7.7	-11.3	-6.0	-5.3
7.8	-10.7	-6.0	-4.7
7.9	-10.6	-6.0	-4.6
8.0	-10.7	-6.0	-4.7
8.1	-11.1	-6.0	-5.1
8.2	-11.7	-6.0	-5.7
8.3	-12.9	-6.0	-6.9
8.4	-13.7	-6.0	-7.7
8.5	-14.3	-6.0	-8.3
8.6	-14.6	-6.0	-8.6
8.7	-14.5	-6.0	-8.5
8.8	-13.9	-6.0	-7.9
8.9	-13.5	-6.0	-7.5
9.0	-13.4	-6.0	-7.4
9.1	-13.6	-6.0	-7.6
9.2	-14.0	-6.1	-7.9
9.3	-15.3	-6.2	-9.1
9.4	-16.5	-6.3	-10.2
9.5	-17.9	-6.4	-11.4
9.6	-21.5	-6.6	-14.9
9.7	-23.3	-6.7	-16.6
9.8	-25.4	-6.8	-18.7
9.9	-24.7	-6.9	-17.9
10.0	-23.4	-7.0	-16.4

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table  
 Co-pol Azimuth, -180° to +180° @ 1.0° increment

**14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol Az**

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-179.0	-35.1	-14.0	-21.1
-178.0	-32.7	-14.0	-18.7
-177.0	-31.6	-14.0	-17.6
-176.0	-31.1	-14.0	-17.1
-175.0	-32.9	-14.0	-18.9
-174.0	-36.2	-14.0	-22.2
-173.0	-37.8	-14.0	-23.8
-172.0	-39.9	-14.0	-25.9
-171.0	-34.7	-14.0	-20.7
-170.0	-36.5	-14.0	-22.5
-169.0	-28.9	-14.0	-14.9
-168.0	-33.1	-14.0	-19.1
-167.0	-36.3	-14.0	-22.3
-166.0	-35.0	-14.0	-21.0
-165.0	-33.0	-14.0	-19.0
-164.0	-41.6	-14.0	-27.6
-163.0	-31.9	-14.0	-17.9
-162.0	-35.5	-14.0	-21.5
-161.0	-36.0	-14.0	-22.0
-160.0	-27.8	-14.0	-13.8
-159.0	-27.5	-14.0	-13.5
-158.0	-32.7	-14.0	-18.7
-157.0	-33.9	-14.0	-19.9
-156.0	-41.2	-14.0	-27.2
-155.0	-34.0	-14.0	-20.0
-154.0	-31.0	-14.0	-17.0
-153.0	-28.3	-14.0	-14.3
-152.0	-32.3	-14.0	-18.3
-151.0	-38.9	-14.0	-24.9
-150.0	-38.1	-14.0	-24.1
-149.0	-36.6	-14.0	-22.6
-148.0	-38.3	-14.0	-24.3
-147.0	-35.2	-14.0	-21.2
-146.0	-36.8	-14.0	-22.8
-145.0	-40.2	-14.0	-26.2
-144.0	-42.4	-14.0	-28.4
-143.0	-36.3	-14.0	-22.3
-142.0	-48.7	-14.0	-34.7
-141.0	-37.1	-14.0	-23.1
-140.0	-41.7	-14.0	-27.7
-139.0	-38.3	-14.0	-24.3
-138.0	-48.6	-14.0	-34.6
-137.0	-35.5	-14.0	-21.5
-136.0	-45.0	-14.0	-31.0
-135.0	-29.6	-14.0	-15.6
-134.0	-48.8	-14.0	-34.8
-133.0	-37.7	-14.0	-23.7
-132.0	-37.9	-14.0	-23.9
-131.0	-37.5	-14.0	-23.5
-130.0	-31.4	-14.0	-17.4
-129.0	-42.8	-14.0	-28.8
-128.0	-34.4	-14.0	-20.4
-127.0	-29.5	-14.0	-15.5
-126.0	-31.1	-14.0	-17.1
-125.0	-31.6	-14.0	-17.6
-124.0	-27.0	-14.0	-13.0
-123.0	-29.4	-14.0	-15.4
-122.0	-33.7	-14.0	-19.7
-121.0	-38.6	-14.0	-24.6
-120.0	-39.8	-14.0	-25.8
-119.0	-41.5	-14.0	-27.5
-118.0	-31.7	-14.0	-17.7

**14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol Az**

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	28.6		
1.0	21.2		
2.0	0.7	7.5	-6.8
3.0	1.5	3.1	-1.6
4.0	-5.9	-0.1	-5.8
5.0	-2.8	-2.5	-0.3
6.0	-11.5	-4.5	-7.1
7.0	-6.3	-6.0	-0.3
8.0	-8.4	-6.0	-2.4
9.0	-7.6	-6.0	-1.6
10.0	-24.4	-7.0	-17.4
11.0	-13.0	-8.0	-4.9
12.0	-14.3	-9.0	-5.3
13.0	-16.6	-9.8	-6.7
14.0	-19.2	-10.7	-8.5
15.0	-14.2	-11.4	-2.8
16.0	-13.8	-12.1	-1.7
17.0	-14.7	-12.8	-1.9
18.0	-13.8	-13.4	-0.4
19.0	-26.9	-14.0	-12.9
20.0	-23.9	-14.5	-9.4
21.0	-23.1	-15.1	-8.0
22.0	-20.3	-15.6	-4.7
23.0	-23.2	-16.0	-7.2
24.0	-24.9	-16.5	-8.4
25.0	-23.5	-16.9	-6.6
26.0	-14.9	-17.4	2.5
27.0	-24.6	-17.8	-6.8
28.0	-16.3	-18.2	1.9
29.0	-17.9	-18.6	0.7
30.0	-19.4	-18.9	-0.5
31.0	-21.8	-19.3	-2.5
32.0	-27.0	-19.6	-7.4
33.0	-23.9	-20.0	-3.9
34.0	-35.2	-20.3	-14.9
35.0	-31.6	-20.6	-11.0
36.0	-27.7	-20.9	-6.8
37.0	-26.1	-21.2	-4.9
38.0	-26.5	-21.5	-5.0
39.0	-26.1	-21.8	-4.4
40.0	-33.8	-22.1	-11.8
41.0	-22.8	-22.3	-0.5
42.0	-29.6	-22.6	-7.0
43.0	-22.6	-22.8	0.3
44.0	-28.7	-23.1	-5.7
45.0	-25.3	-23.3	-2.0
46.0	-30.8	-23.6	-7.2
47.0	-31.3	-23.8	-7.5
48.0	-32.6	-24.0	-8.6
49.0	-29.2	-24.0	-5.2
50.0	-29.0	-24.0	-5.0
51.0	-28.9	-24.0	-4.9
52.0	-31.5	-24.0	-7.5
53.0	-27.7	-24.0	-3.7
54.0	-43.3	-24.0	-19.3
55.0	-31.3	-24.0	-7.3
56.0	-37.8	-24.0	-13.8
57.0	-30.2	-24.0	-6.2
58.0	-41.3	-24.0	-17.3
59.0	-30.4	-24.0	-6.4
60.0	-29.7	-24.0	-5.7
61.0	-37.0	-24.0	-13.0

**Orbit Communication - Satcom Products**

OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table

Co-pol Azimuth, -180° to +180° @ 1.0° increment

-117.0	-40.9	-14.0	-26.9
-116.0	-36.3	-14.0	-22.3
-115.0	-30.2	-14.0	-16.2
-114.0	-27.4	-14.0	-13.4
-113.0	-27.0	-14.0	-13.0
-112.0	-26.0	-14.0	-12.0
-111.0	-28.1	-14.0	-14.1
-110.0	-27.3	-14.0	-13.3
-109.0	-22.6	-14.0	-8.6
-108.0	-19.8	-14.0	-5.8
-107.0	-18.3	-14.0	-4.3
-106.0	-16.3	-14.0	-2.3
-105.0	-16.1	-14.0	-2.1
-104.0	-15.9	-14.0	-1.9
-103.0	-16.0	-14.0	-2.0
-102.0	-14.4	-14.0	-0.4
-101.0	-14.7	-14.0	-0.7
-100.0	-13.8	-14.0	0.2
-99.0	-16.3	-14.0	-2.3
-98.0	-16.2	-14.0	-2.2
-97.0	-17.9	-14.0	-3.9
-96.0	-20.0	-14.0	-6.0
-95.0	-24.8	-14.0	-10.8
-94.0	-21.3	-14.0	-7.3
-93.0	-22.3	-14.0	-8.3
-92.0	-25.2	-14.0	-11.2
-91.0	-27.0	-14.0	-13.0
-90.0	-27.8	-14.0	-13.8
-89.0	-22.2	-14.0	-8.2
-88.0	-25.9	-14.0	-11.9
-87.0	-26.1	-14.0	-12.1
-86.0	-34.9	-14.0	-20.9
-85.0	-28.7	-24.0	-4.7
-84.0	-22.3	-24.0	1.7
-83.0	-22.1	-24.0	1.9
-82.0	-31.1	-24.0	-7.1
-81.0	-27.3	-24.0	-3.3
-80.0	-26.1	-24.0	-2.1
-79.0	-30.8	-24.0	-6.8
-78.0	-27.9	-24.0	-3.9
-77.0	-34.1	-24.0	-10.1
-76.0	-31.5	-24.0	-7.5
-75.0	-23.3	-24.0	0.7
-74.0	-26.6	-24.0	-2.6
-73.0	-30.4	-24.0	-6.4
-72.0	-30.6	-24.0	-6.6
-71.0	-32.6	-24.0	-8.6
-70.0	-26.3	-24.0	-2.3
-69.0	-35.9	-24.0	-11.9
-68.0	-30.6	-24.0	-6.6
-67.0	-33.6	-24.0	-9.6
-66.0	-38.7	-24.0	-14.7
-65.0	-36.6	-24.0	-12.6
-64.0	-29.4	-24.0	-5.4
-63.0	-36.1	-24.0	-12.1
-62.0	-30.7	-24.0	-6.7
-61.0	-33.7	-24.0	-9.7
-60.0	-34.7	-24.0	-10.7
-59.0	-50.8	-24.0	-26.8
-58.0	-29.8	-24.0	-5.8
-57.0	-29.8	-24.0	-5.8
-56.0	-28.6	-24.0	-4.6
-55.0	-31.2	-24.0	-7.2
-54.0	-29.0	-24.0	-5.0
-53.0	-28.2	-24.0	-4.2

62.0	-28.5	-24.0	-4.5
63.0	-34.9	-24.0	-10.9
64.0	-27.8	-24.0	-3.8
65.0	-33.7	-24.0	-9.7
66.0	-31.3	-24.0	-7.3
67.0	-30.9	-24.0	-6.9
68.0	-27.3	-24.0	-3.3
69.0	-29.7	-24.0	-5.7
70.0	-37.1	-24.0	-13.1
71.0	-27.2	-24.0	-3.2
72.0	-29.7	-24.0	-5.7
73.0	-33.6	-24.0	-9.6
74.0	-33.0	-24.0	-9.0
75.0	-27.1	-24.0	-3.1
76.0	-28.2	-24.0	-4.2
77.0	-31.8	-24.0	-7.8
78.0	-34.1	-24.0	-10.1
79.0	-45.7	-24.0	-21.7
80.0	-37.3	-24.0	-13.3
81.0	-29.9	-24.0	-5.9
82.0	-36.5	-24.0	-12.5
83.0	-33.7	-24.0	-9.7
84.0	-37.0	-24.0	-13.0
85.0	-26.9	-24.0	-2.9
86.0	-32.2	-14.0	-18.2
87.0	-45.8	-14.0	-31.8
88.0	-41.2	-14.0	-27.2
89.0	-48.7	-14.0	-34.7
90.0	-36.4	-14.0	-22.4
91.0	-36.2	-14.0	-22.2
92.0	-39.6	-14.0	-25.6
93.0	-43.1	-14.0	-29.1
94.0	-34.5	-14.0	-20.5
95.0	-33.2	-14.0	-19.2
96.0	-38.1	-14.0	-24.1
97.0	-46.8	-14.0	-32.8
98.0	-33.7	-14.0	-19.7
99.0	-31.8	-14.0	-17.8
100.0	-41.0	-14.0	-27.0
101.0	-37.0	-14.0	-23.0
102.0	-40.5	-14.0	-26.5
103.0	-41.4	-14.0	-27.4
104.0	-32.7	-14.0	-18.7
105.0	-42.7	-14.0	-28.7
106.0	-26.3	-14.0	-12.3
107.0	-31.6	-14.0	-17.6
108.0	-37.3	-14.0	-23.3
109.0	-44.5	-14.0	-30.5
110.0	-29.5	-14.0	-15.5
111.0	-35.4	-14.0	-21.4
112.0	-35.6	-14.0	-21.6
113.0	-32.1	-14.0	-18.1
114.0	-47.4	-14.0	-33.4
115.0	-40.9	-14.0	-26.9
116.0	-31.2	-14.0	-17.2
117.0	-33.4	-14.0	-19.4
118.0	-31.7	-14.0	-17.7
119.0	-30.5	-14.0	-16.5
120.0	-32.2	-14.0	-18.2
121.0	-36.1	-14.0	-22.1
122.0	-40.2	-14.0	-26.2
123.0	-38.8	-14.0	-24.8
124.0	-44.2	-14.0	-30.2
125.0	-30.9	-14.0	-16.9
126.0	-46.7	-14.0	-32.7

**Orbit Communication - Satcom Products**

OceanTRx 4-500-Ku, 1.2m Antenna, EIRPs<sub>d</sub> Data Table

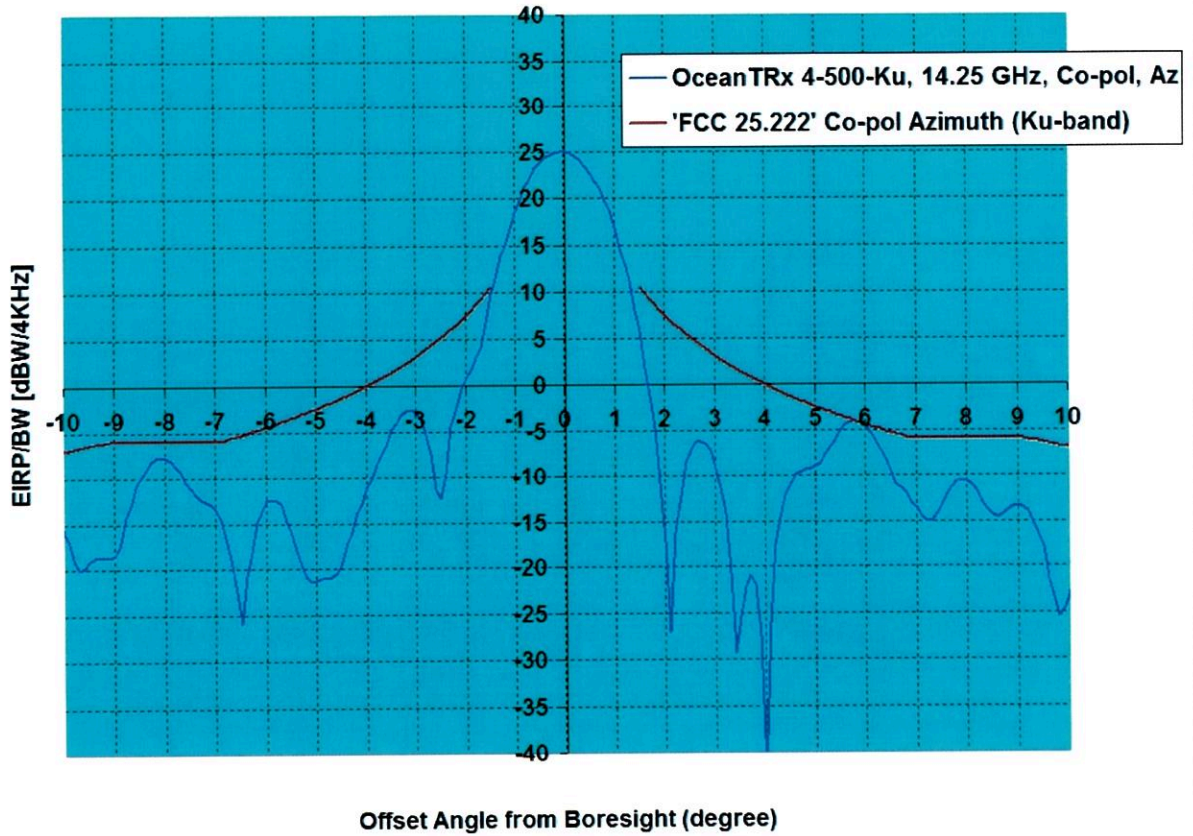
Co-pol Azimuth, -180° to +180° @ 1.0° increment

-52.0	-34.5	-24.0	-10.5
-51.0	-30.3	-24.0	-6.3
-50.0	-30.0	-24.0	-6.0
-49.0	-29.9	-24.0	-5.9
-48.0	-39.8	-24.0	-15.8
-47.0	-30.4	-23.8	-6.6
-46.0	-27.0	-23.6	-3.4
-45.0	-26.4	-23.3	-3.1
-44.0	-42.0	-23.1	-18.9
-43.0	-31.3	-22.8	-8.5
-42.0	-25.0	-22.6	-2.4
-41.0	-31.5	-22.3	-9.2
-40.0	-31.0	-22.1	-8.9
-39.0	-33.4	-21.8	-11.6
-38.0	-27.5	-21.5	-6.0
-37.0	-22.1	-21.2	-0.9
-36.0	-25.2	-20.9	-4.3
-35.0	-25.1	-20.6	-4.5
-34.0	-24.3	-20.3	-4.0
-33.0	-24.2	-20.0	-4.3
-32.0	-26.7	-19.6	-7.1
-31.0	-27.0	-19.3	-7.8
-30.0	-23.2	-18.9	-4.3
-29.0	-31.2	-18.6	-12.6
-28.0	-24.6	-18.2	-6.5
-27.0	-22.3	-17.8	-4.5
-26.0	-17.8	-17.4	-0.4
-25.0	-26.2	-16.9	-9.2
-24.0	-18.2	-16.5	-1.7
-23.0	-20.6	-16.0	-4.6
-22.0	-19.8	-15.6	-4.2
-21.0	-17.9	-15.1	-2.8
-20.0	-27.4	-14.5	-12.9
-19.0	-19.2	-14.0	-5.3
-18.0	-20.5	-13.4	-7.1
-17.0	-19.6	-12.8	-6.9
-16.0	-19.9	-12.1	-7.8
-15.0	-35.1	-11.4	-23.7
-14.0	-17.2	-10.7	-6.5
-13.0	-32.0	-9.8	-22.2
-12.0	-27.1	-9.0	-18.1
-11.0	-13.1	-8.0	-5.1
-10.0	-18.1	-7.0	-11.1
-9.0	-17.8	-6.0	-11.8
-8.0	-12.1	-6.0	-6.1
-7.0	-19.0	-6.0	-13.0
-6.0	-11.3	-4.5	-6.9
-5.0	-30.6	-2.5	-28.1
-4.0	-8.1	-0.1	-8.0
-3.0	-3.8	3.1	-6.9
-2.0	-4.8	7.5	-12.3
-1.0	21.3		
0.0	28.6		

127.0	-38.9	-14.0	-24.9
128.0	-45.6	-14.0	-31.6
129.0	-31.1	-14.0	-17.1
130.0	-34.5	-14.0	-20.5
131.0	-34.3	-14.0	-20.3
132.0	-40.1	-14.0	-26.1
133.0	-30.9	-14.0	-16.9
134.0	-36.5	-14.0	-22.5
135.0	-44.5	-14.0	-30.5
136.0	-31.9	-14.0	-17.9
137.0	-37.8	-14.0	-23.8
138.0	-34.4	-14.0	-20.4
139.0	-34.7	-14.0	-20.7
140.0	-35.8	-14.0	-21.8
141.0	-38.1	-14.0	-24.1
142.0	-32.2	-14.0	-18.2
143.0	-36.5	-14.0	-22.5
144.0	-43.2	-14.0	-29.2
145.0	-37.8	-14.0	-23.8
146.0	-28.9	-14.0	-14.9
147.0	-39.0	-14.0	-25.0
148.0	-45.6	-14.0	-31.6
149.0	-34.2	-14.0	-20.2
150.0	-41.8	-14.0	-27.8
151.0	-35.3	-14.0	-21.3
152.0	-34.1	-14.0	-20.1
153.0	-52.2	-14.0	-38.2
154.0	-46.3	-14.0	-32.3
155.0	-40.5	-14.0	-26.5
156.0	-31.9	-14.0	-17.9
157.0	-45.0	-14.0	-31.0
158.0	-28.4	-14.0	-14.4
159.0	-31.0	-14.0	-17.0
160.0	-41.3	-14.0	-27.3
161.0	-32.5	-14.0	-18.5
162.0	-32.9	-14.0	-18.9
163.0	-34.6	-14.0	-20.6
164.0	-46.9	-14.0	-32.9
165.0	-50.2	-14.0	-36.2
166.0	-34.1	-14.0	-20.1
167.0	-36.2	-14.0	-22.2
168.0	-34.6	-14.0	-20.6
169.0	-31.4	-14.0	-17.4
170.0	-36.2	-14.0	-22.2
171.0	-37.7	-14.0	-23.7
172.0	-37.6	-14.0	-23.6
173.0	-37.7	-14.0	-23.7
174.0	-30.6	-14.0	-16.6
175.0	-28.8	-14.0	-14.8
176.0	-31.1	-14.0	-17.1
177.0	-31.6	-14.0	-17.6
178.0	-32.7	-14.0	-18.7
179.0	-35.1	-14.0	-21.1

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd, Co-pol, Azimuth

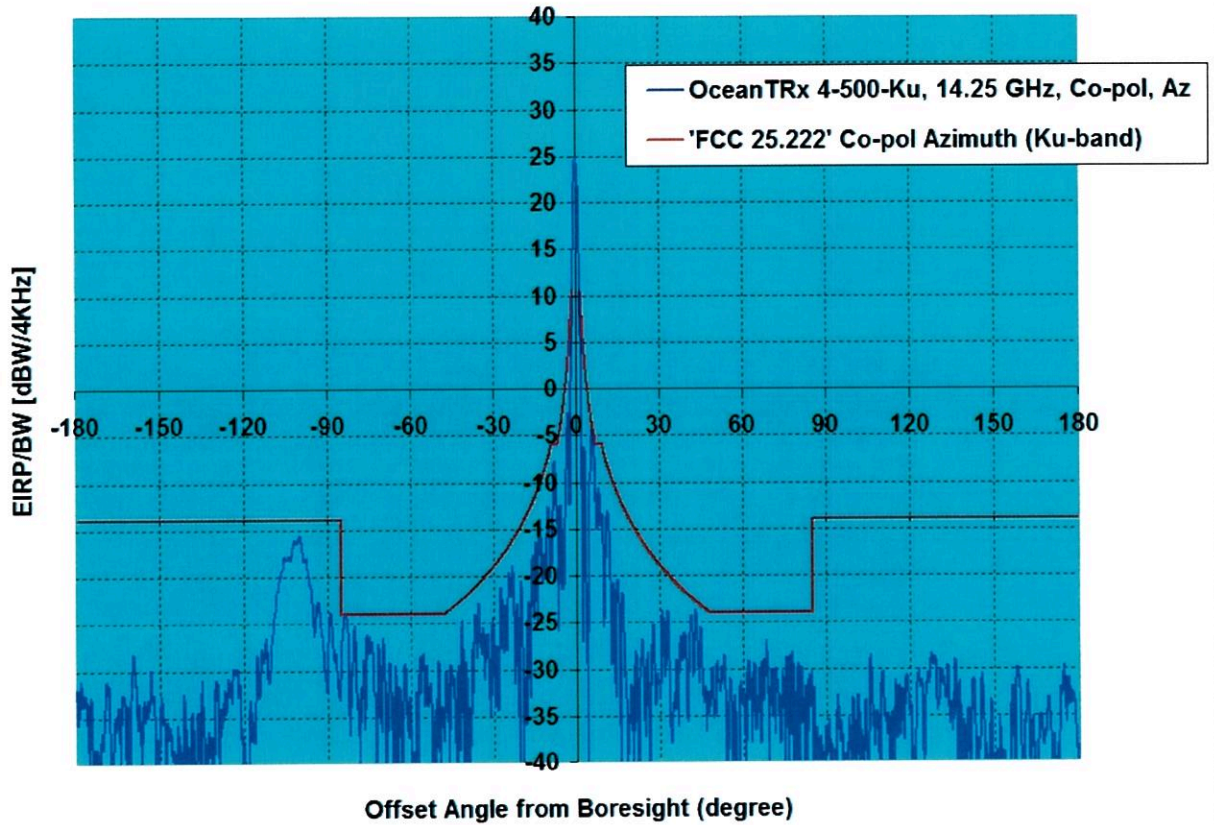
'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input  
 and 24.91 dBW/4KHz in the Output of OceanTRx 4-500-Ku Ant. at 14.25 GHz in Az  
 Min BW of 2.13 MHz in case of 16W BUC



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (1.5° to 7°)	± (7° to 180°)	
OceanTRx 4-500-Ku, 14.25 GHz, Co-pol, Az	-17.73	42.64	0.00	-0.01	0.00

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd, Co-pol, Azimuth

**'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input  
 and 24.91 dBW/4KHz in the Output of OceanTRx 4-500-Ku Ant. at 14.25 GHz in Az  
 Min BW of 2.13 MHz in case of 16W BUC**



Configuration	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (1.5° to 7°)	± (7° to 180°)	
OceanTRx 4-500-Ku, 14.25 GHz, Co-pol, Az	-17.73	42.64	0.00	-0.01	0.00



(B) Tables AL-7103 KU & TRX 4-500-KU

**Orbit Communication - Satcom Products**

AL-7103-Ku, 1.2m Antenna, EIRPsd Data Table

Co-pol Elevation, -10° to +10° @ 0.1° increment

14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol EI

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-10.0	-21.8	-7.0	-14.8
-9.9	-21.3	-6.9	-14.4
-9.8	-21.2	-6.8	-14.5
-9.7	-21.9	-6.7	-15.3
-9.6	-22.6	-6.6	-16.0
-9.5	-23.4	-6.4	-17.0
-9.4	-23.4	-6.3	-17.1
-9.3	-23.3	-6.2	-17.1
-9.2	-23.1	-6.1	-17.1
-9.1	-22.9	-6.0	-16.9
-9.0	-22.9	-5.9	-17.1
-8.9	-22.9	-5.7	-17.2
-8.8	-22.4	-5.6	-16.7
-8.7	-21.0	-5.5	-15.5
-8.6	-19.7	-5.4	-14.3
-8.5	-18.7	-5.2	-13.5
-8.4	-18.3	-5.1	-13.2
-8.3	-17.4	-5.0	-12.4
-8.2	-16.6	-4.8	-11.8
-8.1	-16.3	-4.7	-11.6
-8.0	-16.2	-4.6	-11.6
-7.9	-16.7	-4.4	-12.3
-7.8	-16.9	-4.3	-12.6
-7.7	-17.0	-4.2	-12.8
-7.6	-17.8	-4.0	-13.8
-7.5	-18.8	-3.9	-14.9
-7.4	-19.7	-3.7	-16.0
-7.3	-20.5	-3.6	-17.0
-7.2	-21.4	-3.4	-18.0
-7.1	-21.5	-3.3	-18.2
-7.0	-21.6	-3.1	-18.5
-6.9	-22.6	-3.0	-19.7
-6.8	-24.4	-2.8	-21.6
-6.7	-25.0	-2.7	-22.3
-6.6	-25.9	-2.5	-23.4
-6.5	-26.0	-2.3	-23.7
-6.4	-24.4	-2.2	-22.3
-6.3	-21.8	-2.0	-19.8
-6.2	-19.1	-1.8	-17.3
-6.1	-16.7	-1.6	-15.0
-6.0	-15.2	-1.5	-13.7
-5.9	-14.1	-1.3	-12.8
-5.8	-13.4	-1.1	-12.3
-5.7	-13.3	-0.9	-12.4
-5.6	-13.4	-0.7	-12.7
-5.5	-14.1	-0.5	-13.6
-5.4	-15.6	-0.3	-15.3
-5.3	-17.7	-0.1	-17.6
-5.2	-22.0	0.1	-22.1
-5.1	-29.1	0.3	-29.4
-5.0	-35.3	0.5	-35.8
-4.9	-25.3	0.7	-26.0
-4.8	-20.8	1.0	-21.7
-4.7	-18.9	1.2	-20.1
-4.6	-18.0	1.4	-19.4
-4.5	-17.2	1.7	-18.8
-4.4	-16.4	1.9	-18.3
-4.3	-15.2	2.2	-17.3
-4.2	-13.9	2.4	-16.4
-4.1	-12.9	2.7	-15.6
-4.0	-12.1	2.9	-15.1
-3.9	-11.9	3.2	-15.2

14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol EI

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	24.9		
0.1	24.8		
0.2	24.6		
0.3	24.2		
0.4	23.7		
0.5	23.0		
0.6	22.1		
0.7	21.1		
0.8	19.9		
0.9	18.4		
1.0	16.7		
1.1	14.7		
1.2	12.5		
1.3	9.8		
1.4	6.7		
1.5	3.1		
1.6	-0.1		
1.7	-1.8		
1.8	-2.3		
1.9	-2.5		
2.0	-3.3		
2.1	-5.2		
2.2	-8.3		
2.3	-12.1		
2.4	-11.4		
2.5	-7.6		
2.6	-4.8		
2.7	-3.1		
2.8	-2.3		
2.9	-2.0		
3.0	-2.3	6.1	-8.4
3.1	-3.1	5.7	-8.8
3.2	-4.5	5.4	-9.8
3.3	-6.2	5.0	-11.2
3.4	-8.4	4.7	-13.2
3.5	-10.8	4.4	-15.2
3.6	-12.1	4.1	-16.2
3.7	-11.5	3.8	-15.3
3.8	-10.6	3.5	-14.1
3.9	-10.0	3.2	-13.2
4.0	-9.9	2.9	-12.9
4.1	-10.6	2.7	-13.2
4.2	-11.5	2.4	-13.9
4.3	-12.6	2.2	-14.8
4.4	-12.9	1.9	-14.8
4.5	-11.8	1.7	-13.4
4.6	-10.1	1.4	-11.5
4.7	-8.5	1.2	-9.7
4.8	-7.4	1.0	-8.3
4.9	-6.6	0.7	-7.4
5.0	-6.3	0.5	-6.8
5.1	-6.4	0.3	-6.7
5.2	-6.9	0.1	-7.0
5.3	-7.8	-0.1	-7.7
5.4	-9.3	-0.3	-9.0
5.5	-11.9	-0.5	-11.3
5.6	-15.3	-0.7	-14.6
5.7	-19.8	-0.9	-18.9
5.8	-22.8	-1.1	-21.7
5.9	-18.8	-1.3	-17.6
6.0	-15.0	-1.5	-13.6
6.1	-12.7	-1.6	-11.1

### Orbit Communication - Satcom Products

AL-7103-Ku, 1.2m Antenna, EIRPsd Data Table

Co-pol Elevation, -10° to +10° @ 0.1° increment

-3.8	-12.6	3.5	-16.1
-3.7	-13.8	3.8	-17.6
-3.6	-15.9	4.1	-20.0
-3.5	-18.8	4.4	-23.2
-3.4	-19.1	4.7	-23.8
-3.3	-14.6	5.0	-19.7
-3.2	-11.1	5.4	-16.5
-3.1	-9.0	5.7	-14.7
-3.0	-7.5	6.1	-13.5
-2.9	-6.7		
-2.8	-6.4		
-2.7	-6.6		
-2.6	-7.8		
-2.5	-9.8		
-2.4	-13.0		
-2.3	-19.5		
-2.2	-18.3		
-2.1	-12.0		
-2.0	-8.3		
-1.9	-5.2		
-1.8	-2.0		
-1.7	0.9		
-1.6	3.9		
-1.5	6.9		
-1.4	9.3		
-1.3	11.7		
-1.2	14.0		
-1.1	16.0		
-1.0	17.6		
-0.9	19.0		
-0.8	20.4		
-0.7	21.5		
-0.6	22.4		
-0.5	23.2		
-0.4	23.8		
-0.3	24.3		
-0.2	24.7		
-0.1	24.9		
0.0	24.9		

6.2	-11.2	-1.8	-9.4
6.3	-10.5	-2.0	-8.5
6.4	-10.1	-2.2	-7.9
6.5	-9.9	-2.3	-7.6
6.6	-9.7	-2.5	-7.2
6.7	-9.6	-2.7	-6.9
6.8	-9.7	-2.8	-6.9
6.9	-10.1	-3.0	-7.1
7.0	-10.4	-3.1	-7.3
7.1	-10.6	-3.3	-7.3
7.2	-10.7	-3.4	-7.3
7.3	-11.0	-3.6	-7.4
7.4	-11.2	-3.7	-7.5
7.5	-11.0	-3.9	-7.1
7.6	-10.9	-4.0	-6.9
7.7	-11.3	-4.2	-7.2
7.8	-11.6	-4.3	-7.3
7.9	-11.7	-4.4	-7.2
8.0	-12.0	-4.6	-7.5
8.1	-12.8	-4.7	-8.1
8.2	-13.5	-4.8	-8.7
8.3	-13.7	-5.0	-8.7
8.4	-13.8	-5.1	-8.7
8.5	-13.8	-5.2	-8.6
8.6	-13.4	-5.4	-8.1
8.7	-12.7	-5.5	-7.2
8.8	-12.3	-5.6	-6.7
8.9	-11.8	-5.7	-6.1
9.0	-11.5	-5.9	-5.6
9.1	-11.5	-6.0	-5.5
9.2	-11.9	-6.1	-5.8
9.3	-12.5	-6.2	-6.3
9.4	-13.0	-6.3	-6.6
9.5	-13.9	-6.4	-7.5
9.6	-16.2	-6.6	-9.6
9.7	-20.0	-6.7	-13.4
9.8	-24.0	-6.8	-17.2
9.9	-36.1	-6.9	-29.2
10.0	-27.2	-7.0	-20.2

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table  
 Co-pol Elevation, -30° to +30° @ 0.5° increment

**14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol EI**

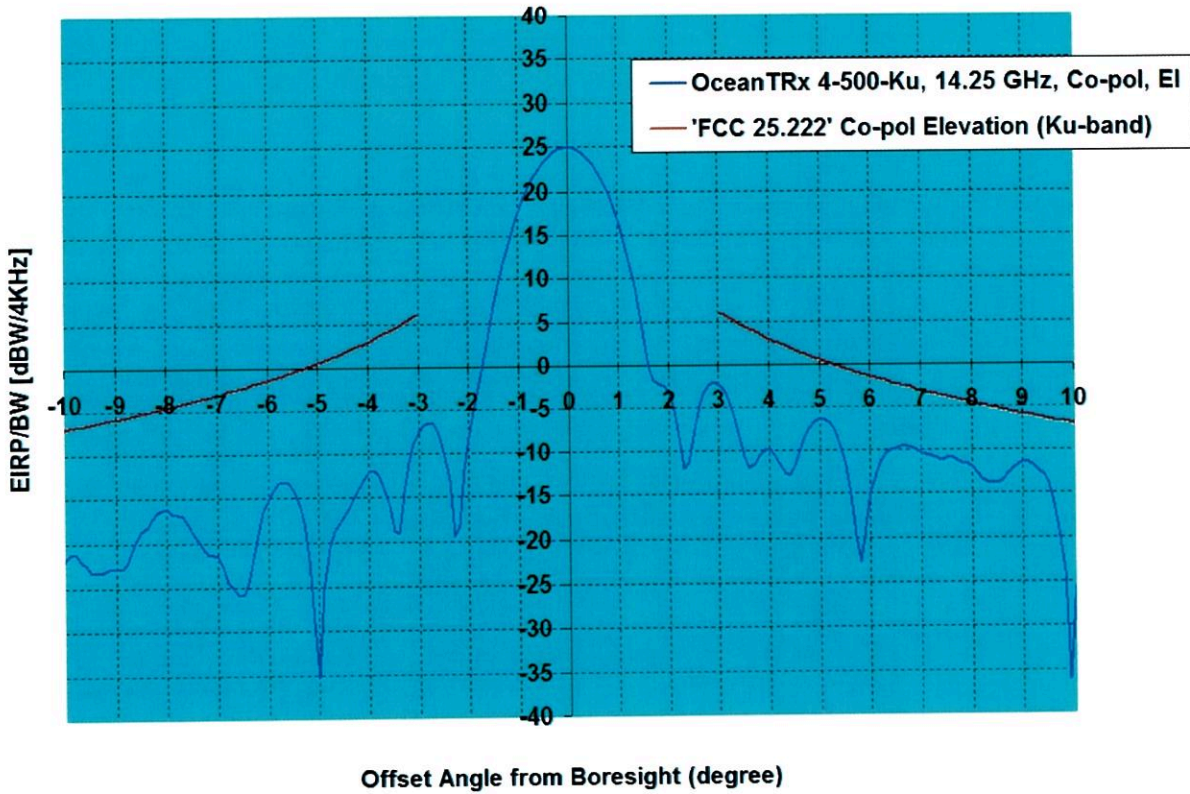
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-30.0	-29.1	-18.9	-10.2
-29.5	-33.5	-18.7	-14.7
-29.0	-27.8	-18.6	-9.3
-28.5	-27.1	-18.4	-8.7
-28.0	-24.7	-18.2	-6.5
-27.5	-25.0	-18.0	-7.0
-27.0	-28.2	-17.8	-10.5
-26.5	-26.6	-17.6	-9.0
-26.0	-22.2	-17.4	-4.8
-25.5	-26.6	-17.2	-9.4
-25.0	-42.4	-16.9	-25.4
-24.5	-24.7	-16.7	-8.0
-24.0	-23.5	-16.5	-7.0
-23.5	-38.0	-16.3	-21.7
-23.0	-27.3	-16.0	-11.3
-22.5	-21.1	-15.8	-5.3
-22.0	-22.7	-15.6	-7.2
-21.5	-28.5	-15.3	-13.2
-21.0	-21.8	-15.1	-6.8
-20.5	-27.0	-14.8	-12.2
-20.0	-38.0	-14.5	-23.5
-19.5	-25.9	-14.3	-11.6
-19.0	-22.4	-14.0	-8.4
-18.5	-31.5	-13.7	-17.9
-18.0	-22.5	-13.4	-9.1
-17.5	-23.0	-13.1	-9.9
-17.0	-24.3	-12.8	-11.6
-16.5	-40.8	-12.4	-28.3
-16.0	-22.3	-12.1	-10.2
-15.5	-26.6	-11.8	-14.8
-15.0	-36.9	-11.4	-25.5
-14.5	-23.2	-11.0	-12.1
-14.0	-21.8	-10.7	-11.1
-13.5	-27.7	-10.3	-17.5
-13.0	-34.0	-9.8	-24.2
-12.5	-29.3	-9.4	-19.9
-12.0	-32.6	-9.0	-23.6
-11.5	-25.0	-8.5	-16.4
-11.0	-16.9	-8.0	-8.9
-10.5	-24.7	-7.5	-17.2
-10.0	-21.8	-7.0	-14.8
-9.5	-23.4	-6.4	-17.0
-9.0	-22.9	-5.9	-17.1
-8.5	-18.7	-5.2	-13.5
-8.0	-16.2	-4.6	-11.6
-7.5	-18.8	-3.9	-14.9
-7.0	-21.6	-3.1	-18.5
-6.5	-26.0	-2.3	-23.7
-6.0	-15.2	-1.5	-13.7
-5.5	-14.1	-0.5	-13.6
-5.0	-35.3	0.5	-35.8
-4.5	-17.2	1.7	-18.8
-4.0	-12.1	2.9	-15.1
-3.5	-18.8	4.4	-23.2
-3.0	-7.5	6.1	-13.5
-2.5	-9.8		
-2.0	-8.3		
-1.5	6.9		
-1.0	17.6		
-0.5	23.2		
0.0	24.9		

**14.25 GHz @ -17.73 dBW / 4 kHz in Co-pol EI**

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	24.9		
0.5	23.0		
1.0	16.7		
1.5	3.1		
2.0	-3.3		
2.5	-7.6		
3.0	-2.3	6.1	-8.4
3.5	-10.8	4.4	-15.2
4.0	-9.9	2.9	-12.9
4.5	-11.8	1.7	-13.4
5.0	-6.3	0.5	-6.8
5.5	-11.9	-0.5	-11.3
6.0	-15.0	-1.5	-13.6
6.5	-9.9	-2.3	-7.6
7.0	-10.4	-3.1	-7.3
7.5	-11.0	-3.9	-7.1
8.0	-12.0	-4.6	-7.5
8.5	-13.8	-5.2	-8.6
9.0	-11.5	-5.9	-5.6
9.5	-13.9	-6.4	-7.5
10.0	-27.2	-7.0	-20.2
10.5	-12.7	-7.5	-5.2
11.0	-16.8	-8.0	-8.8
11.5	-23.7	-8.5	-15.1
12.0	-17.7	-9.0	-8.7
12.5	-22.3	-9.4	-12.9
13.0	-20.7	-9.8	-10.8
13.5	-18.8	-10.3	-8.6
14.0	-24.4	-10.7	-13.7
14.5	-29.3	-11.0	-18.3
15.0	-18.5	-11.4	-7.1
15.5	-16.1	-11.8	-4.3
16.0	-17.7	-12.1	-5.6
16.5	-29.6	-12.4	-17.2
17.0	-18.0	-12.8	-5.2
17.5	-15.0	-13.1	-1.9
18.0	-18.3	-13.4	-5.0
18.5	-28.4	-13.7	-14.8
19.0	-32.0	-14.0	-18.0
19.5	-27.5	-14.3	-13.2
20.0	-27.3	-14.5	-12.8
20.5	-26.5	-14.8	-11.7
21.0	-27.0	-15.1	-12.0
21.5	-23.1	-15.3	-7.8
22.0	-23.8	-15.6	-8.2
22.5	-24.8	-15.8	-9.0
23.0	-26.7	-16.0	-10.7
23.5	-26.7	-16.3	-10.4
24.0	-27.8	-16.5	-11.3
24.5	-22.5	-16.7	-5.8
25.0	-27.5	-16.9	-10.5
25.5	-22.3	-17.2	-5.1
26.0	-18.9	-17.4	-1.5
26.5	-22.2	-17.6	-4.6
27.0	-28.1	-17.8	-10.3
27.5	-22.4	-18.0	-4.4
28.0	-20.9	-18.2	-2.7
28.5	-21.7	-18.4	-3.3
29.0	-22.3	-18.6	-3.7
29.5	-22.8	-18.7	-4.0
30.0	-23.9	-18.9	-4.9

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd, Co-pol, Elevation

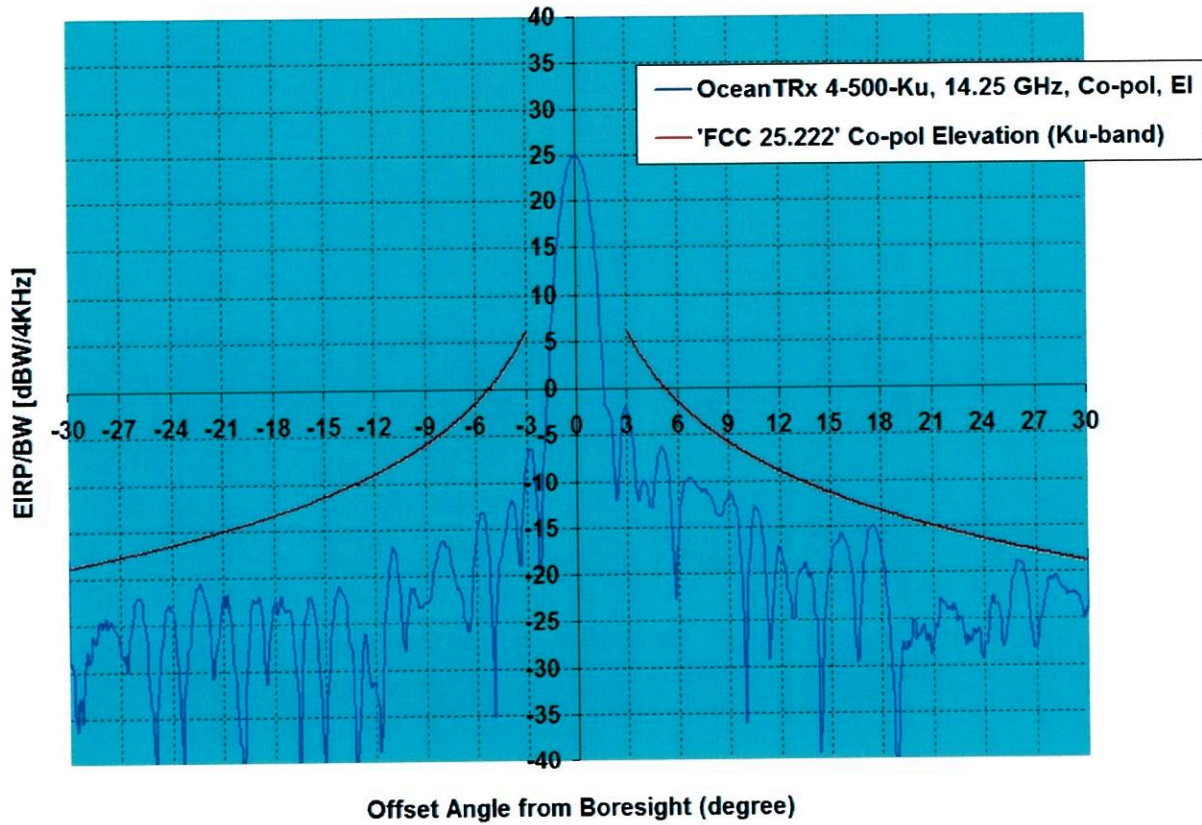
'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input  
 and 24.91 dBW/4KHz in the Output of OceanTRx 4-500-Ku Ant. at 14.25 GHz in EI  
 Min BW of 2.13 MHz in case of 16W BUC



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (3° to 7°)	± (3° to 30°)	
OceanTRx 4-500-Ku, 14.25 GHz, Co-pol, EI	-17.73	42.64	-6.75	-1.50	0.00

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd, Co-pol, Elevation

'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input  
 and 24.91 dBW/4KHz in the Output of OceanTRx 4-500-Ku Ant. at 14.25 GHz in EI  
 Min BW of 2.13 MHz in case of 16W BUC



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (3° to 7°)	± (3° to 30°)	
OceanTRx 4-500-Ku, 14.25 GHz, Co-pol, EI	-17.73	42.64	-6.75	-1.50	0.00

(C) Tables AL-7103 KU & TRx 4-500-KU

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table  
 X-pol Azimuth, -10° to +10° @ 0.1° increment

14.25 GHz @ -17.73 dBW / 4 kHz in X-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-10.0	-26.6	-16.0	-10.6
-9.9	-27.5	-16.0	-11.5
-9.8	-29.7	-16.0	-13.7
-9.7	-31.1	-16.0	-15.1
-9.6	-31.8	-16.0	-15.8
-9.5	-31.2	-16.0	-15.2
-9.4	-29.2	-16.0	-13.2
-9.3	-27.0	-16.0	-11.0
-9.2	-25.6	-16.0	-9.6
-9.1	-24.7	-16.0	-8.7
-9.0	-24.1	-16.0	-8.1
-8.9	-24.1	-16.0	-8.1
-8.8	-23.9	-16.0	-7.9
-8.7	-24.1	-16.0	-8.1
-8.6	-24.8	-16.0	-8.8
-8.5	-25.3	-16.0	-9.3
-8.4	-25.8	-16.0	-9.8
-8.3	-26.2	-16.0	-10.2
-8.2	-26.2	-16.0	-10.2
-8.1	-26.2	-16.0	-10.2
-8.0	-25.7	-16.0	-9.7
-7.9	-25.2	-16.0	-9.2
-7.8	-25.6	-16.0	-9.6
-7.7	-24.5	-16.0	-8.5
-7.6	-24.5	-16.0	-8.5
-7.5	-24.2	-16.0	-8.2
-7.4	-24.4	-16.0	-8.4
-7.3	-24.6	-16.0	-8.6
-7.2	-24.6	-16.0	-8.6
-7.1	-25.1	-16.0	-9.1
-7.0	-25.2	-16.0	-9.2
-6.9	-25.8	-16.0	-9.8
-6.8	-26.3	-15.8	-10.4
-6.7	-26.6	-15.7	-11.0
-6.6	-27.4	-15.5	-11.9
-6.5	-28.4	-15.3	-13.0
-6.4	-29.7	-15.2	-14.6
-6.3	-31.1	-15.0	-16.1
-6.2	-32.4	-14.8	-17.6
-6.1	-35.3	-14.6	-20.6
-6.0	-38.4	-14.5	-24.0
-5.9	-41.9	-14.3	-27.6
-5.8	-46.6	-14.1	-32.5
-5.7	-43.1	-13.9	-29.2
-5.6	-39.4	-13.7	-25.7
-5.5	-39.6	-13.5	-26.1
-5.4	-36.8	-13.3	-23.5
-5.3	-34.3	-13.1	-21.2
-5.2	-31.8	-12.9	-18.9
-5.1	-29.3	-12.7	-16.6
-5.0	-27.2	-12.5	-14.7
-4.9	-24.9	-12.3	-12.6
-4.8	-23.1	-12.0	-11.0
-4.7	-21.3	-11.8	-9.5
-4.6	-20.0	-11.6	-8.4
-4.5	-19.0	-11.3	-7.6
-4.4	-18.0	-11.1	-6.9
-4.3	-17.2	-10.8	-6.4
-4.2	-16.7	-10.6	-6.1
-4.1	-16.3	-10.3	-6.0
-4.0	-16.1	-10.1	-6.1
-3.9	-16.1	-9.8	-6.3

14.25 GHz @ -17.73 dBW / 4 kHz in X-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	-17.9		
0.1	-20.1		
0.2	-15.7		
0.3	-12.9		
0.4	-11.4		
0.5	-9.5		
0.6	-8.6		
0.7	-7.9		
0.8	-7.7		
0.9	-7.7		
1.0	-7.9		
1.1	-8.3		
1.2	-9.1		
1.3	-10.0		
1.4	-10.9		
1.5	-12.0		
1.6	-12.7		
1.7	-13.4		
1.8	-13.7	-1.4	-12.3
1.9	-14.1	-2.0	-12.2
2.0	-14.6	-2.5	-12.1
2.1	-15.3	-3.1	-12.2
2.2	-16.0	-3.6	-12.4
2.3	-17.4	-4.0	-13.3
2.4	-19.0	-4.5	-14.5
2.5	-20.9	-4.9	-15.9
2.6	-22.1	-5.4	-16.8
2.7	-22.3	-5.8	-16.5
2.8	-20.9	-6.2	-14.7
2.9	-19.1	-6.6	-12.5
3.0	-17.9	-6.9	-10.9
3.1	-17.0	-7.3	-9.7
3.2	-16.5	-7.6	-8.8
3.3	-16.3	-8.0	-8.3
3.4	-16.7	-8.3	-8.4
3.5	-17.4	-8.6	-8.8
3.6	-18.4	-8.9	-9.5
3.7	-19.8	-9.2	-10.6
3.8	-22.7	-9.5	-13.2
3.9	-26.0	-9.8	-16.2
4.0	-30.0	-10.1	-20.0
4.1	-30.0	-10.3	-19.7
4.2	-27.7	-10.6	-17.1
4.3	-25.3	-10.8	-14.5
4.4	-24.3	-11.1	-13.2
4.5	-23.4	-11.3	-12.0
4.6	-23.3	-11.6	-11.8
4.7	-23.9	-11.8	-12.1
4.8	-25.0	-12.0	-13.0
4.9	-26.9	-12.3	-14.7
5.0	-30.7	-12.5	-18.2
5.1	-33.9	-12.7	-21.2
5.2	-31.3	-12.9	-18.4
5.3	-27.9	-13.1	-14.8
5.4	-25.3	-13.3	-12.0
5.5	-23.2	-13.5	-9.7
5.6	-21.9	-13.7	-8.2
5.7	-21.3	-13.9	-7.4
5.8	-20.6	-14.1	-6.5
5.9	-20.6	-14.3	-6.3
6.0	-20.7	-14.5	-6.2
6.1	-20.9	-14.6	-6.3

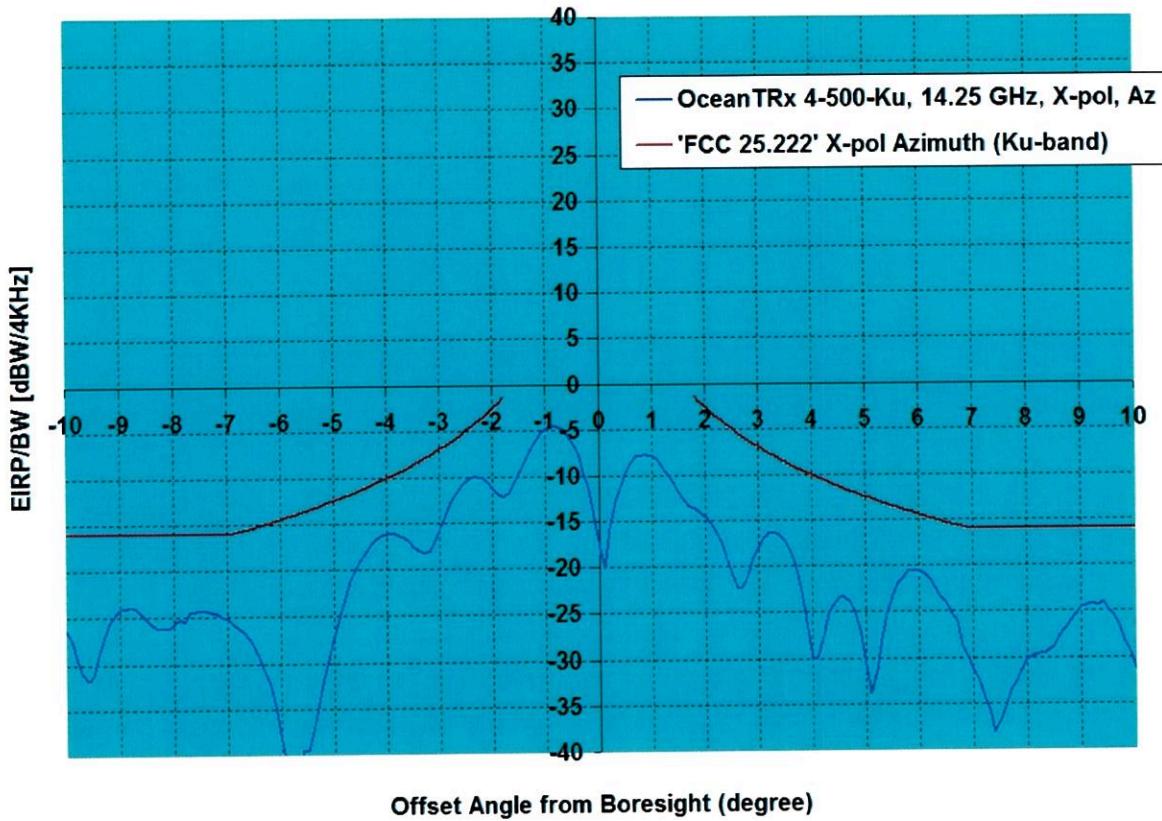
**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd Data Table  
 X-pol Azimuth, -10° to +10° @ 0.1° increment

-3.8	-16.3	-9.5	-6.8
-3.7	-16.6	-9.2	-7.4
-3.6	-16.9	-8.9	-8.0
-3.5	-17.6	-8.6	-9.0
-3.4	-18.0	-8.3	-9.7
-3.3	-18.3	-8.0	-10.4
-3.2	-18.0	-7.6	-10.4
-3.1	-17.0	-7.3	-9.7
-3.0	-15.6	-6.9	-8.7
-2.9	-14.1	-6.6	-7.6
-2.8	-12.7	-6.2	-6.5
-2.7	-11.7	-5.8	-5.9
-2.6	-10.9	-5.4	-5.6
-2.5	-10.4	-4.9	-5.5
-2.4	-10.1	-4.5	-5.6
-2.3	-10.0	-4.0	-6.0
-2.2	-10.2	-3.6	-6.6
-2.1	-10.7	-3.1	-7.6
-2.0	-11.3	-2.5	-8.8
-1.9	-11.9	-2.0	-10.0
-1.8	-12.2	-1.4	-10.8
-1.7	-11.8		
-1.6	-10.7		
-1.5	-9.5		
-1.4	-8.3		
-1.3	-7.1		
-1.2	-6.1		
-1.1	-5.3		
-1.0	-5.0		
-0.9	-4.7		
-0.8	-4.6		
-0.7	-4.9		
-0.6	-5.6		
-0.5	-6.3		
-0.4	-7.5		
-0.3	-9.5		
-0.2	-11.6		
-0.1	-14.5		
0.0	-17.9		

6.2	-21.6	-14.8	-6.7
6.3	-22.5	-15.0	-7.5
6.4	-23.4	-15.2	-8.3
6.5	-24.1	-15.3	-8.8
6.6	-25.2	-15.5	-9.8
6.7	-26.2	-15.7	-10.5
6.8	-28.8	-15.8	-13.0
6.9	-29.8	-16.0	-13.9
7.0	-31.3	-16.0	-15.3
7.1	-32.2	-16.0	-16.2
7.2	-34.3	-16.0	-18.3
7.3	-35.7	-16.0	-19.7
7.4	-38.1	-16.0	-22.1
7.5	-36.8	-16.0	-20.8
7.6	-35.4	-16.0	-19.4
7.7	-33.5	-16.0	-17.5
7.8	-32.7	-16.0	-16.7
7.9	-31.3	-16.0	-15.3
8.0	-30.2	-16.0	-14.2
8.1	-29.9	-16.0	-13.9
8.2	-29.7	-16.0	-13.7
8.3	-29.6	-16.0	-13.6
8.4	-29.2	-16.0	-13.2
8.5	-28.9	-16.0	-12.9
8.6	-27.7	-16.0	-11.7
8.7	-26.9	-16.0	-10.9
8.8	-26.1	-16.0	-10.1
8.9	-25.3	-16.0	-9.3
9.0	-24.6	-16.0	-8.6
9.1	-24.4	-16.0	-8.4
9.2	-24.2	-16.0	-8.2
9.3	-24.4	-16.0	-8.4
9.4	-24.1	-16.0	-8.1
9.5	-25.0	-16.0	-9.0
9.6	-25.5	-16.0	-9.5
9.7	-26.7	-16.0	-10.7
9.8	-28.3	-16.0	-12.3
9.9	-29.5	-16.0	-13.5
10.0	-31.1	-16.0	-15.1

**Orbit Communication - Satcom Products**  
 OceanTRx 4-500-Ku, 1.2m Antenna, EIRPsd, X-pol, Azimuth

**'FCC 25.222' X-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input  
 and 24.91 dBW/4KHz in the Output of OceanTRx 4-500-Ku Ant. at 14.25 GHz in Az  
 Min BW of 2.13 MHz in case of 16W BUC**



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (1.8° to 7°)	± (1.8° to 180°)	
OceanTRx 4-500-Ku, 14.25 GHz, X-pol, Az	-17.73	42.64	-5.50	-5.50	0.00