

Orbit Communication - Satcom Products

AL-7103-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

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AL-7103-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

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AL-7103-Ku, 1.2m Antenna, EIRPsd 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

AL-7103-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

AL-7103-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

AL-7103-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

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

AL-7103-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

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

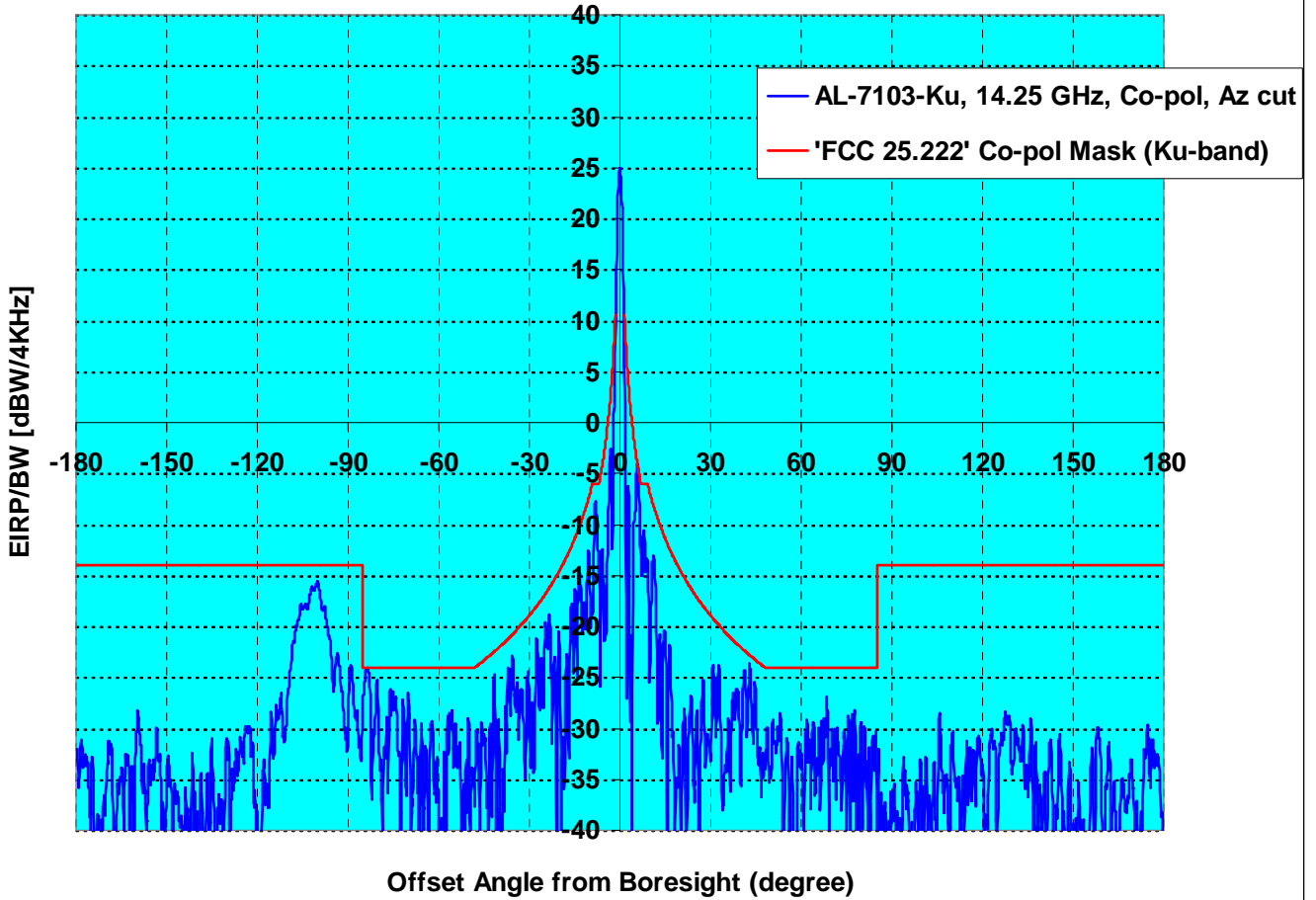
X-pol Azimuth, -10° to +10° @ 0.1° increment

-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
 AL-7103-Ku, 1.2m Antenna, EIRPsd, Co-pol, Azimuth

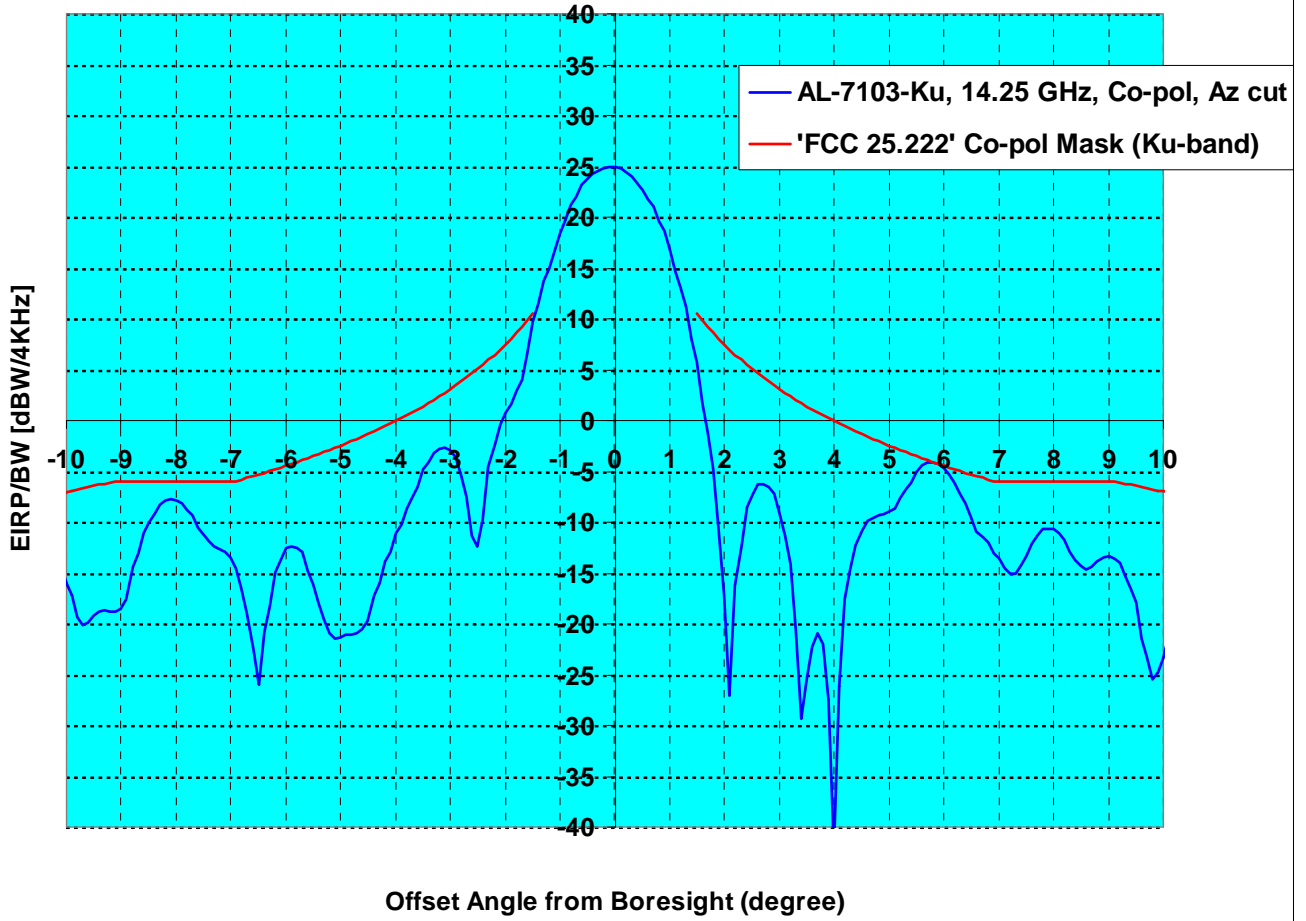
**'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input
 and 24.91 dBW/4KHz in the Output of AL-7103-Ku Antenna at 14.25 GHz in Az cut
 Min BW of 1.066 MHz in case of 8W BUC**



Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
		± (1.5° to 7°)	± (7° to 180°)	
-17.73	42.64	0.00	-0.01	0.00

Orbit Communication - Satcom Products
 AL-7103-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 AL-7103-Ku Antenna at 14.25 GHz in Az cut
 Min BW of 1.066 MHz in case of 8W BUC**

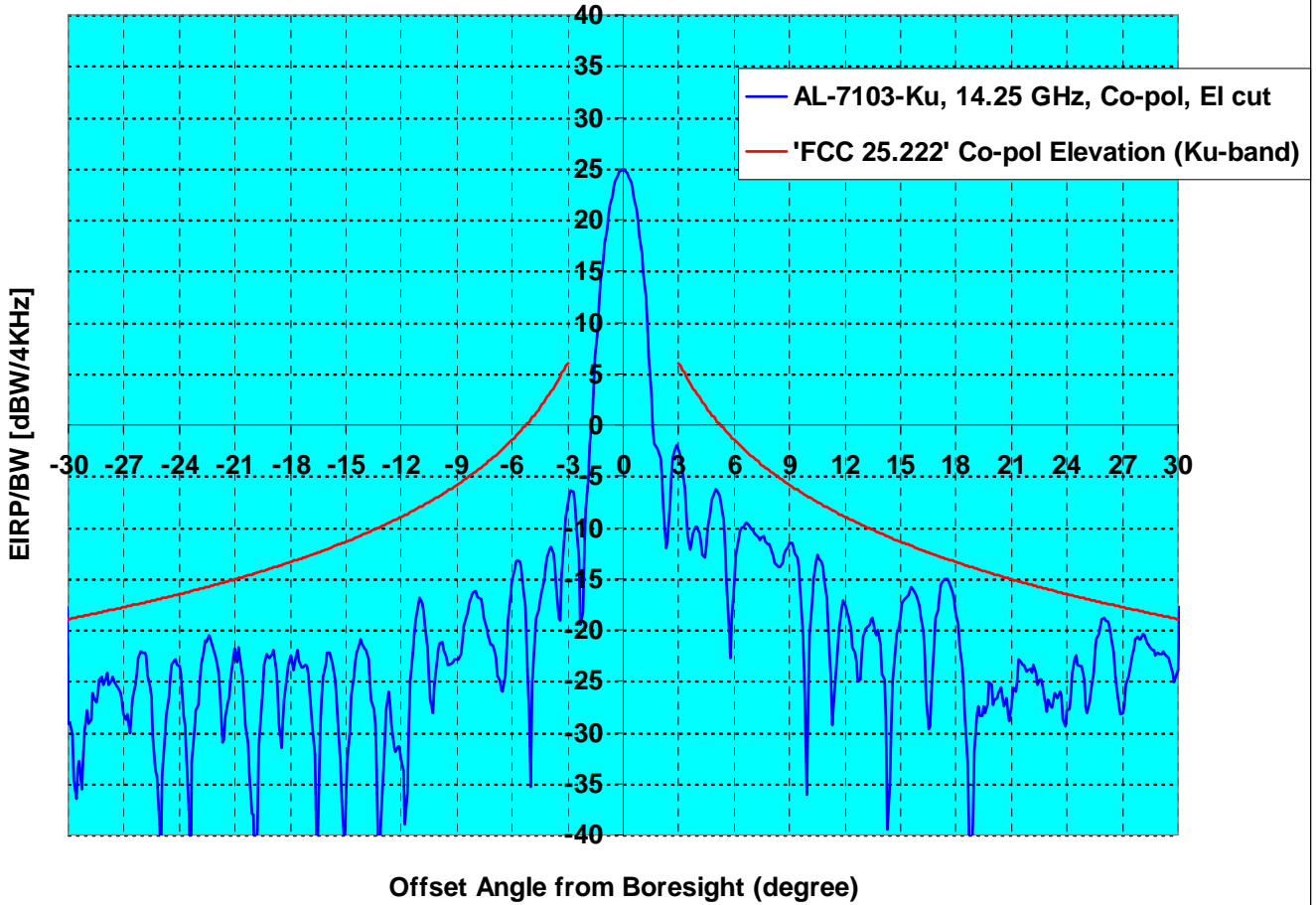


Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
		± (1.5° to 7°)	± (7° to 180°)	
-17.73	42.64	0.00	-0.01	0.00

Orbit Communication - Satcom Products

AL-7103-Ku, 1.2m Antenna, EIRPsd, Co-pol, Elevation

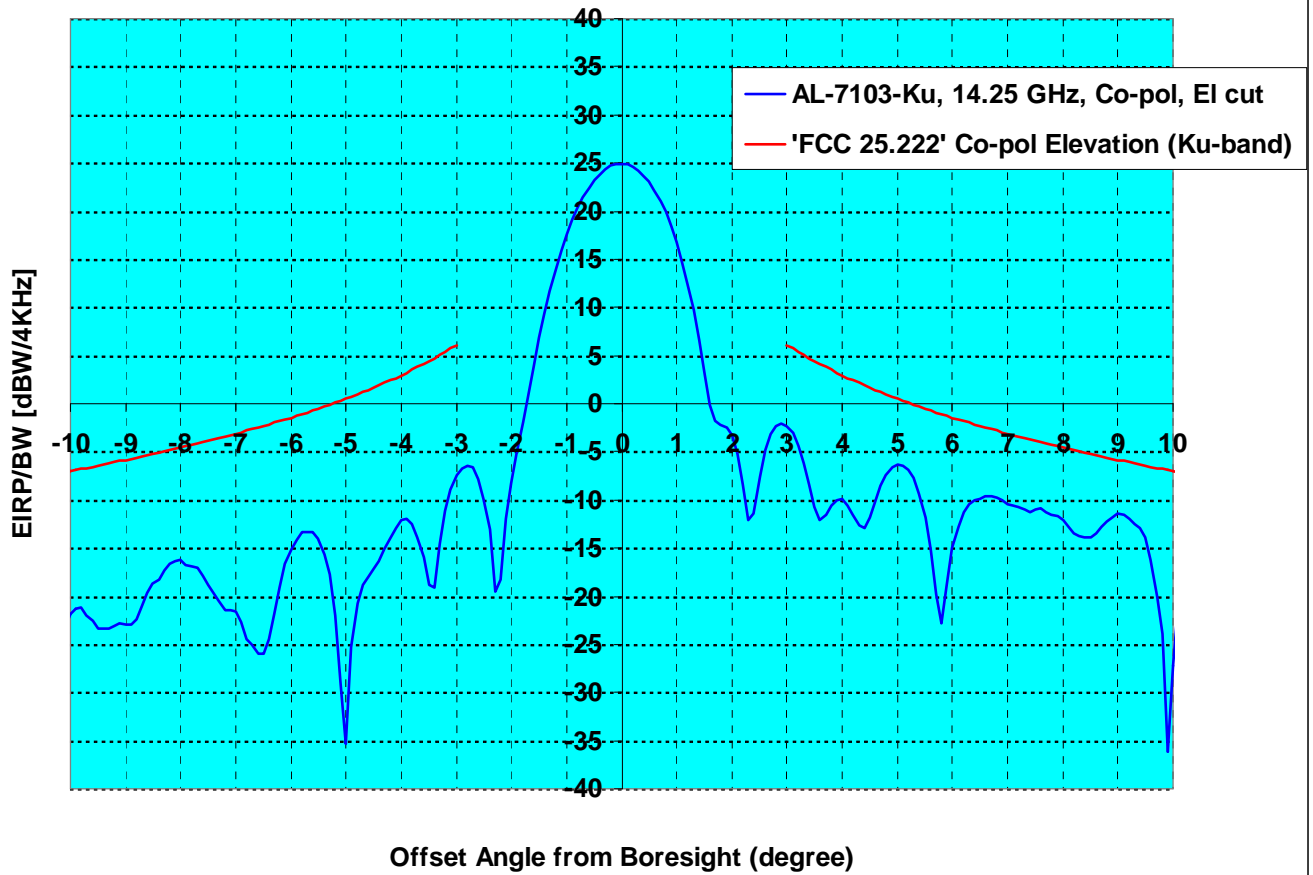
**'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input
and 24.91 dBW/4KHz in the Output of AL-7103-Ku Antenna at 14.25 GHz in EI cut
Min BW of 1.066 MHz in case of 8W BUC**



Input EIRPsd	Antenna Gain	Peak Excursions dB		Over Mask
dBW/4KHz	dBi	± (3° to 7°)	± (3° to 30°)	%
-17.73	42.64	-6.75	-1.50	0.00

Orbit Communication - Satcom Products
 AL-7103-Ku, 1.2m Antenna, EIRPsd, Co-pol, Elevation

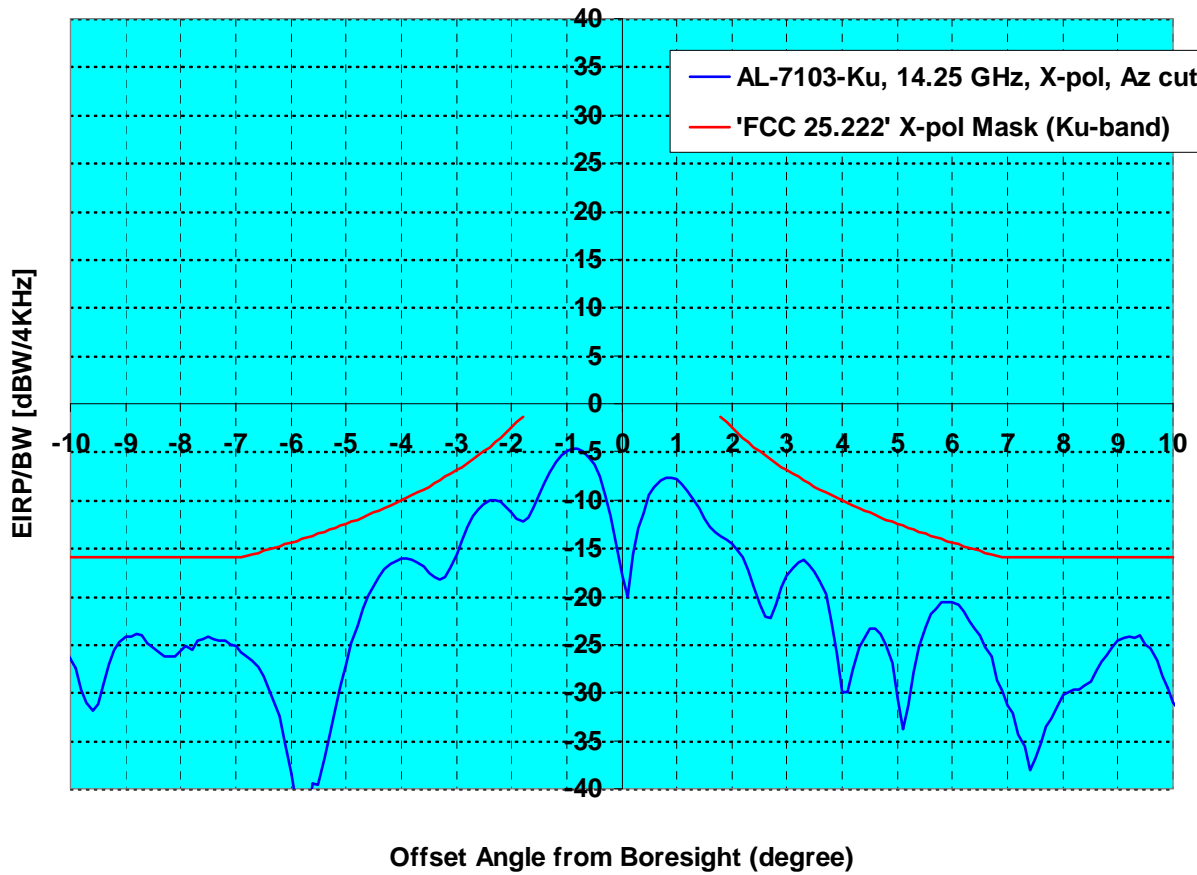
'FCC 25.222' Co-pol Guide at Ku-band for EIRP/BW of -17.73 dBW/4KHz to Input
 and 24.91 dBW/4KHz in the Output of AL-7103-Ku Antenna at 14.25 GHz in EI cut
 Min BW of 1.066 MHz in case of 8W BUC



Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
		± (3° to 7°)	± (3° to 30°)	
-17.73	42.64	-6.75	-1.50	0.00

Orbit Communication - Satcom Products
 AL-7103-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 AL-7103-Ku Antenna at 14.25 GHz in Az cut
 Min BW of 1.066 MHz in case of 8W BUC



Input EIRPsd	Antenna Gain	Peak Excursions dB		Over Mask
		± (1.8° to 7°)	± (1.8° to 180°)	
-17.73	42.64	-5.50	-5.50	0.00