

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Azimuth, -180° to +180° @ 1.0° increment

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-179.0	-33.0	-12.7	-20.3
-178.0	-31.6	-12.7	-18.9
-177.0	-28.9	-12.7	-16.2
-176.0	-36.8	-12.7	-24.1
-175.0	-29.5	-12.7	-16.8
-174.0	-30.7	-12.7	-18.0
-173.0	-35.6	-12.7	-22.9
-172.0	-31.2	-12.7	-18.5
-171.0	-34.6	-12.7	-21.9
-170.0	-41.4	-12.7	-28.7
-169.0	-33.3	-12.7	-20.6
-168.0	-31.5	-12.7	-18.8
-167.0	-29.9	-12.7	-17.2
-166.0	-39.2	-12.7	-26.5
-165.0	-37.6	-12.7	-24.9
-164.0	-35.3	-12.7	-22.6
-163.0	-36.9	-12.7	-24.2
-162.0	-43.1	-12.7	-30.4
-161.0	-38.9	-12.7	-26.2
-160.0	-43.3	-12.7	-30.6
-159.0	-34.9	-12.7	-22.2
-158.0	-41.4	-12.7	-28.7
-157.0	-34.6	-12.7	-21.9
-156.0	-39.4	-12.7	-26.7
-155.0	-48.8	-12.7	-36.1
-154.0	-45.1	-12.7	-32.4
-153.0	-50.7	-12.7	-38.0
-152.0	-36.6	-12.7	-23.9
-151.0	-41.3	-12.7	-28.6
-150.0	-50.2	-12.7	-37.5
-149.0	-44.7	-12.7	-32.0
-148.0	-40.3	-12.7	-27.6
-147.0	-44.5	-12.7	-31.8
-146.0	-45.0	-12.7	-32.3
-145.0	-39.2	-12.7	-26.5
-144.0	-42.9	-12.7	-30.2
-143.0	-35.7	-12.7	-23.0
-142.0	-52.3	-12.7	-39.6
-141.0	-44.0	-12.7	-31.3
-140.0	-37.5	-12.7	-24.8
-139.0	-39.5	-12.7	-26.8
-138.0	-40.6	-12.7	-27.9
-137.0	-36.4	-12.7	-23.7
-136.0	-44.8	-12.7	-32.1
-135.0	-44.4	-12.7	-31.7
-134.0	-46.3	-12.7	-33.6
-133.0	-37.5	-12.7	-24.8
-132.0	-38.7	-12.7	-26.0
-131.0	-39.6	-12.7	-26.9
-130.0	-37.4	-12.7	-24.7
-129.0	-53.7	-12.7	-41.0
-128.0	-35.9	-12.7	-23.2
-127.0	-31.9	-12.7	-19.2
-126.0	-33.7	-12.7	-21.0
-125.0	-51.1	-12.7	-38.4
-124.0	-40.2	-12.7	-27.5
-123.0	-36.1	-12.7	-23.4
-122.0	-34.8	-12.7	-22.1
-121.0	-34.4	-12.7	-21.7
-120.0	-33.5	-12.7	-20.8
-119.0	-36.2	-12.7	-23.5
-118.0	-33.2	-12.7	-20.5

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	30.0		
1.0	26.3		
2.0	13.8	18.8	-5.0
3.0	-5.7	14.4	-20.1
4.0	-7.5	11.2	-18.7
5.0	-3.8	8.8	-12.7
6.0	-10.6	6.8	-17.4
7.0	-10.5	5.3	-15.8
8.0	-7.5	5.3	-12.8
9.0	0.8	5.3	-4.5
10.0	-10.4	4.3	-14.7
11.0	-9.4	3.3	-12.7
12.0	-16.8	2.3	-19.2
13.0	-16.5	1.5	-18.0
14.0	-5.3	0.6	-5.9
15.0	-5.1	-0.1	-5.0
16.0	-6.1	-0.8	-5.3
17.0	-10.0	-1.5	-8.5
18.0	-10.8	-2.1	-8.7
19.0	-12.6	-2.7	-9.9
20.0	-13.6	-3.2	-10.4
21.0	-10.8	-3.8	-7.0
22.0	-9.2	-4.3	-4.9
23.0	-10.4	-4.7	-5.6
24.0	-15.3	-5.2	-10.1
25.0	-12.5	-5.6	-6.8
26.0	-18.5	-6.1	-12.4
27.0	-19.5	-6.5	-13.0
28.0	-32.3	-6.9	-25.5
29.0	-26.0	-7.3	-18.7
30.0	-16.7	-7.6	-9.1
31.0	-13.7	-8.0	-5.7
32.0	-12.5	-8.3	-4.2
33.0	-13.1	-8.7	-4.5
34.0	-12.8	-9.0	-3.8
35.0	-14.6	-9.3	-5.3
36.0	-18.4	-9.6	-8.8
37.0	-24.3	-9.9	-14.4
38.0	-23.1	-10.2	-12.9
39.0	-22.2	-10.5	-11.7
40.0	-18.7	-10.8	-7.9
41.0	-23.4	-11.0	-12.3
42.0	-19.5	-11.3	-8.3
43.0	-23.0	-11.5	-11.5
44.0	-24.5	-11.8	-12.7
45.0	-22.9	-12.0	-10.9
46.0	-20.5	-12.3	-8.2
47.0	-17.0	-12.5	-4.5
48.0	-20.4	-12.7	-7.7
49.0	-19.5	-12.7	-6.8
50.0	-26.6	-12.7	-13.9
51.0	-31.0	-12.7	-18.3
52.0	-32.7	-12.7	-20.0
53.0	-24.5	-12.7	-11.8
54.0	-25.5	-12.7	-12.8
55.0	-22.5	-12.7	-9.8
56.0	-36.6	-12.7	-23.9
57.0	-28.2	-12.7	-15.5
58.0	-25.5	-12.7	-12.8
59.0	-22.2	-12.7	-9.5
60.0	-25.4	-12.7	-12.7
61.0	-23.5	-12.7	-10.8

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Azimuth, -180° to +180° @ 1.0° increment

-117.0	-31.6	-12.7	-18.9	62.0	-23.8	-12.7	-11.1
-116.0	-28.7	-12.7	-16.0	63.0	-20.8	-12.7	-8.1
-115.0	-27.0	-12.7	-14.3	64.0	-18.8	-12.7	-6.1
-114.0	-25.1	-12.7	-12.4	65.0	-17.2	-12.7	-4.5
-113.0	-25.7	-12.7	-13.0	66.0	-18.2	-12.7	-5.5
-112.0	-23.3	-12.7	-10.6	67.0	-17.7	-12.7	-5.0
-111.0	-22.2	-12.7	-9.5	68.0	-22.7	-12.7	-10.0
-110.0	-20.7	-12.7	-8.0	69.0	-22.4	-12.7	-9.7
-109.0	-21.8	-12.7	-9.1	70.0	-22.5	-12.7	-9.8
-108.0	-23.2	-12.7	-10.5	71.0	-19.0	-12.7	-6.3
-107.0	-22.9	-12.7	-10.2	72.0	-20.6	-12.7	-7.9
-106.0	-23.6	-12.7	-10.9	73.0	-25.2	-12.7	-12.5
-105.0	-22.6	-12.7	-9.9	74.0	-31.6	-12.7	-18.9
-104.0	-22.6	-12.7	-9.9	75.0	-30.1	-12.7	-17.4
-103.0	-22.6	-12.7	-9.9	76.0	-22.8	-12.7	-10.1
-102.0	-23.8	-12.7	-11.1	77.0	-23.0	-12.7	-10.3
-101.0	-24.8	-12.7	-12.1	78.0	-22.1	-12.7	-9.4
-100.0	-35.2	-12.7	-22.5	79.0	-21.8	-12.7	-9.1
-99.0	-35.4	-12.7	-22.7	80.0	-31.2	-12.7	-18.5
-98.0	-28.1	-12.7	-15.4	81.0	-26.6	-12.7	-13.9
-97.0	-26.0	-12.7	-13.3	82.0	-22.3	-12.7	-9.6
-96.0	-23.4	-12.7	-10.7	83.0	-20.5	-12.7	-7.8
-95.0	-22.2	-12.7	-9.5	84.0	-18.3	-12.7	-5.6
-94.0	-20.7	-12.7	-8.0	85.0	-18.7	-12.7	-6.0
-93.0	-20.5	-12.7	-7.8	86.0	-18.7	-12.7	-6.0
-92.0	-21.1	-12.7	-8.4	87.0	-20.7	-12.7	-8.0
-91.0	-22.5	-12.7	-9.8	88.0	-22.9	-12.7	-10.2
-90.0	-24.4	-12.7	-11.7	89.0	-25.8	-12.7	-13.1
-89.0	-20.5	-12.7	-7.8	90.0	-31.3	-12.7	-18.6
-88.0	-20.6	-12.7	-7.9	91.0	-38.3	-12.7	-25.6
-87.0	-17.9	-12.7	-5.2	92.0	-27.1	-12.7	-14.4
-86.0	-16.9	-12.7	-4.2	93.0	-25.4	-12.7	-12.7
-85.0	-17.3	-12.7	-4.6	94.0	-25.2	-12.7	-12.5
-84.0	-18.4	-12.7	-5.7	95.0	-28.6	-12.7	-15.9
-83.0	-18.8	-12.7	-6.1	96.0	-30.5	-12.7	-17.8
-82.0	-20.2	-12.7	-7.5	97.0	-25.6	-12.7	-12.9
-81.0	-23.7	-12.7	-11.0	98.0	-19.2	-12.7	-6.5
-80.0	-26.6	-12.7	-13.9	99.0	-16.5	-12.7	-3.8
-79.0	-29.7	-12.7	-17.0	100.0	-14.8	-12.7	-2.1
-78.0	-40.6	-12.7	-27.9	101.0	-16.0	-12.7	-3.3
-77.0	-32.2	-12.7	-19.5	102.0	-17.6	-12.7	-4.9
-76.0	-27.3	-12.7	-14.6	103.0	-24.5	-12.7	-11.8
-75.0	-26.7	-12.7	-14.0	104.0	-25.3	-12.7	-12.6
-74.0	-24.7	-12.7	-12.0	105.0	-22.9	-12.7	-10.2
-73.0	-23.4	-12.7	-10.7	106.0	-20.1	-12.7	-7.4
-72.0	-20.8	-12.7	-8.1	107.0	-21.8	-12.7	-9.1
-71.0	-16.8	-12.7	-4.1	108.0	-25.6	-12.7	-12.9
-70.0	-18.5	-12.7	-5.8	109.0	-26.4	-12.7	-13.7
-69.0	-17.4	-12.7	-4.7	110.0	-26.7	-12.7	-14.0
-68.0	-19.6	-12.7	-6.9	111.0	-21.9	-12.7	-9.2
-67.0	-19.5	-12.7	-6.8	112.0	-18.0	-12.7	-5.3
-66.0	-21.8	-12.7	-9.1	113.0	-16.5	-12.7	-3.8
-65.0	-24.3	-12.7	-11.6	114.0	-16.7	-12.7	-4.0
-64.0	-23.4	-12.7	-10.7	115.0	-16.7	-12.7	-4.0
-63.0	-29.1	-12.7	-16.4	116.0	-19.1	-12.7	-6.4
-62.0	-27.7	-12.7	-15.0	117.0	-19.5	-12.7	-6.8
-61.0	-39.0	-12.7	-26.3	118.0	-20.6	-12.7	-7.9
-60.0	-40.6	-12.7	-27.9	119.0	-23.0	-12.7	-10.3
-59.0	-32.2	-12.7	-19.5	120.0	-22.8	-12.7	-10.1
-58.0	-30.1	-12.7	-17.4	121.0	-29.5	-12.7	-16.8
-57.0	-27.3	-12.7	-14.6	122.0	-28.3	-12.7	-15.6
-56.0	-24.1	-12.7	-11.4	123.0	-27.4	-12.7	-14.7
-55.0	-26.2	-12.7	-13.5	124.0	-39.0	-12.7	-26.3
-54.0	-26.7	-12.7	-14.0	125.0	-33.0	-12.7	-20.3
-53.0	-30.6	-12.7	-17.9	126.0	-33.1	-12.7	-20.4

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AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Azimuth, -180° to +180° @ 1.0° increment

-52.0	-34.3	-12.7	-21.6
-51.0	-29.8	-12.7	-17.1
-50.0	-26.5	-12.7	-13.8
-49.0	-23.0	-12.7	-10.3
-48.0	-22.3	-12.7	-9.6
-47.0	-22.8	-12.5	-10.3
-46.0	-25.7	-12.3	-13.4
-45.0	-25.1	-12.0	-13.0
-44.0	-36.3	-11.8	-24.5
-43.0	-30.9	-11.5	-19.3
-42.0	-32.2	-11.3	-20.9
-41.0	-44.5	-11.0	-33.5
-40.0	-28.0	-10.8	-17.2
-39.0	-27.6	-10.5	-17.1
-38.0	-41.6	-10.2	-31.4
-37.0	-30.8	-9.9	-20.9
-36.0	-27.7	-9.6	-18.1
-35.0	-24.9	-9.3	-15.6
-34.0	-22.2	-9.0	-13.2
-33.0	-23.4	-8.7	-14.7
-32.0	-17.5	-8.3	-9.2
-31.0	-21.0	-8.0	-13.0
-30.0	-18.3	-7.6	-10.7
-29.0	-19.1	-7.3	-11.8
-28.0	-16.8	-6.9	-9.9
-27.0	-22.2	-6.5	-15.7
-26.0	-19.3	-6.1	-13.2
-25.0	-16.6	-5.6	-10.9
-24.0	-27.7	-5.2	-22.5
-23.0	-15.4	-4.7	-10.7
-22.0	-14.8	-4.3	-10.5
-21.0	-11.8	-3.8	-8.0
-20.0	-16.7	-3.2	-13.5
-19.0	-17.3	-2.7	-14.7
-18.0	-20.9	-2.1	-18.8
-17.0	-12.3	-1.5	-10.9
-16.0	-7.9	-0.8	-7.1
-15.0	-5.5	-0.1	-5.4
-14.0	-5.7	0.6	-6.4
-13.0	-14.9	1.5	-16.4
-12.0	-13.9	2.3	-16.2
-11.0	-12.3	3.3	-15.5
-10.0	-8.1	4.3	-12.4
-9.0	2.0	5.3	-3.3
-8.0	-3.6	5.3	-8.9
-7.0	-22.7	5.3	-28.0
-6.0	-25.5	6.8	-32.3
-5.0	-0.1	8.8	-8.9
-4.0	-4.8	11.2	-16.1
-3.0	-9.0	14.4	-23.4
-2.0	9.8	18.8	-9.0
-1.0	23.7		
0.0	30.0		

127.0	-34.4	-12.7	-21.7
128.0	-31.6	-12.7	-18.9
129.0	-48.6	-12.7	-35.9
130.0	-37.2	-12.7	-24.5
131.0	-34.7	-12.7	-22.0
132.0	-40.8	-12.7	-28.1
133.0	-35.1	-12.7	-22.4
134.0	-36.9	-12.7	-24.2
135.0	-37.6	-12.7	-24.9
136.0	-36.9	-12.7	-24.2
137.0	-38.5	-12.7	-25.8
138.0	-44.0	-12.7	-31.3
139.0	-51.0	-12.7	-38.3
140.0	-32.7	-12.7	-20.0
141.0	-44.1	-12.7	-31.4
142.0	-51.2	-12.7	-38.5
143.0	-34.8	-12.7	-22.1
144.0	-40.1	-12.7	-27.4
145.0	-47.0	-12.7	-34.3
146.0	-45.7	-12.7	-33.0
147.0	-40.2	-12.7	-27.5
148.0	-41.0	-12.7	-28.3
149.0	-36.4	-12.7	-23.7
150.0	-37.8	-12.7	-25.1
151.0	-33.4	-12.7	-20.7
152.0	-48.7	-12.7	-36.0
153.0	-44.9	-12.7	-32.2
154.0	-36.3	-12.7	-23.6
155.0	-42.1	-12.7	-29.4
156.0	-36.4	-12.7	-23.7
157.0	-39.5	-12.7	-26.8
158.0	-41.4	-12.7	-28.7
159.0	-38.3	-12.7	-25.6
160.0	-40.0	-12.7	-27.3
161.0	-37.2	-12.7	-24.5
162.0	-49.4	-12.7	-36.7
163.0	-40.6	-12.7	-27.9
164.0	-35.5	-12.7	-22.8
165.0	-32.4	-12.7	-19.7
166.0	-48.8	-12.7	-36.1
167.0	-35.3	-12.7	-22.6
168.0	-38.8	-12.7	-26.1
169.0	-42.6	-12.7	-29.9
170.0	-33.5	-12.7	-20.8
171.0	-39.2	-12.7	-26.5
172.0	-53.9	-12.7	-41.2
173.0	-41.3	-12.7	-28.6
174.0	-29.5	-12.7	-16.8
175.0	-48.0	-12.7	-35.3
176.0	-51.7	-12.7	-39.0
177.0	-40.1	-12.7	-27.4
178.0	-40.6	-12.7	-27.9
179.0	-32.2	-12.7	-19.5

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Azimuth, -10° to +10° @ 0.1° increment

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol Az				6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol Az			
Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB	Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-10.0	-8.1	4.3	-12.4	0.0	30.0		
-9.9	-6.8	4.4	-11.2	0.1	30.1		
-9.8	-5.6	4.5	-10.1	0.2	30.1		
-9.7	-4.3	4.6	-8.9	0.3	30.0		
-9.6	-3.1	4.7	-7.8	0.4	29.7		
-9.5	-1.9	4.9	-6.8	0.5	29.4		
-9.4	-0.9	5.0	-5.8	0.6	29.0		
-9.3	0.1	5.1	-5.0	0.7	28.5		
-9.2	0.9	5.2	-4.3	0.8	27.9		
-9.1	1.5	5.3	-3.8	0.9	27.1		
-9.0	2.0	5.3	-3.3	1.0	26.3		
-8.9	2.3	5.3	-3.0	1.1	25.4		
-8.8	2.5	5.3	-2.8	1.2	24.4		
-8.7	2.4	5.3	-2.9	1.3	23.3		
-8.6	2.2	5.3	-3.1	1.4	22.1		
-8.5	1.8	5.3	-3.5	1.5	20.8	21.9	-1.1
-8.4	1.2	5.3	-4.1	1.6	19.4	21.2	-1.8
-8.3	0.4	5.3	-4.9	1.7	18.1	20.5	-2.4
-8.2	-0.6	5.3	-5.9	1.8	16.8	19.9	-3.2
-8.1	-2.0	5.3	-7.3	1.9	15.3	19.3	-4.0
-8.0	-3.6	5.3	-8.9	2.0	13.8	18.8	-5.0
-7.9	-5.5	5.3	-10.8	2.1	12.4	18.2	-5.9
-7.8	-7.7	5.3	-13.0	2.2	10.9	17.7	-6.8
-7.7	-10.4	5.3	-15.7	2.3	9.4	17.3	-7.9
-7.6	-13.5	5.3	-18.8	2.4	7.8	16.8	-9.0
-7.5	-16.9	5.3	-22.2	2.5	6.1	16.4	-10.3
-7.4	-20.5	5.3	-25.8	2.6	4.1	15.9	-11.8
-7.3	-25.0	5.3	-30.3	2.7	2.0	15.5	-13.5
-7.2	-32.5	5.3	-37.8	2.8	-0.3	15.1	-15.5
-7.1	-30.4	5.3	-35.7	2.9	-2.9	14.7	-17.6
-7.0	-22.7	5.3	-28.0	3.0	-5.7	14.4	-20.1
-6.9	-18.0	5.3	-23.4	3.1	-8.8	14.0	-22.8
-6.8	-15.0	5.5	-20.5	3.2	-11.8	13.7	-25.5
-6.7	-12.9	5.6	-18.5	3.3	-15.0	13.3	-28.3
-6.6	-11.6	5.8	-17.4	3.4	-19.0	13.0	-32.0
-6.5	-10.9	6.0	-16.9	3.5	-22.8	12.7	-35.5
-6.4	-11.0	6.1	-17.1	3.6	-19.9	12.4	-32.3
-6.3	-11.9	6.3	-18.2	3.7	-15.3	12.1	-27.4
-6.2	-13.8	6.5	-20.3	3.8	-11.8	11.8	-23.6
-6.1	-17.9	6.7	-24.6	3.9	-9.3	11.5	-20.8
-6.0	-25.5	6.8	-32.3	4.0	-7.5	11.2	-18.7
-5.9	-17.7	7.0	-24.7	4.1	-6.2	11.0	-17.1
-5.8	-11.6	7.2	-18.8	4.2	-5.2	10.7	-15.9
-5.7	-7.9	7.4	-15.3	4.3	-4.5	10.5	-15.0
-5.6	-5.2	7.6	-12.8	4.4	-4.1	10.2	-14.3
-5.5	-3.3	7.8	-11.1	4.5	-3.7	10.0	-13.7
-5.4	-1.9	8.0	-9.9	4.6	-3.6	9.7	-13.3
-5.3	-0.9	8.2	-9.1	4.7	-3.5	9.5	-13.0
-5.2	-0.3	8.4	-8.7	4.8	-3.5	9.3	-12.8
-5.1	0.0	8.6	-8.6	4.9	-3.6	9.0	-12.6
-5.0	-0.1	8.8	-8.9	5.0	-3.8	8.8	-12.7
-4.9	-0.4	9.0	-9.4	5.1	-4.3	8.6	-12.9
-4.8	-1.0	9.3	-10.3	5.2	-4.9	8.4	-13.3
-4.7	-1.9	9.5	-11.3	5.3	-5.7	8.2	-13.9
-4.6	-2.9	9.7	-12.7	5.4	-6.9	8.0	-14.9
-4.5	-4.1	10.0	-14.1	5.5	-8.5	7.8	-16.3
-4.4	-5.2	10.2	-15.4	5.6	-10.3	7.6	-17.9
-4.3	-5.8	10.5	-16.2	5.7	-11.8	7.4	-19.2
-4.2	-5.7	10.7	-16.4	5.8	-12.6	7.2	-19.9
-4.1	-5.3	11.0	-16.3	5.9	-11.9	7.0	-18.9
-4.0	-4.8	11.2	-16.1	6.0	-10.6	6.8	-17.4
-3.9	-4.5	11.5	-16.0	6.1	-9.3	6.7	-15.9
-3.8	-4.4	11.8	-16.2	6.2	-8.2	6.5	-14.7
-3.7	-4.7	12.1	-16.8	6.3	-7.5	6.3	-13.8
-3.6	-5.1	12.4	-17.5	6.4	-7.2	6.1	-13.3

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Azimuth, -10° to +10° @ 0.1° increment

-3.5	-5.9	12.7	-18.6		6.5	-7.2	6.0	-13.2
-3.4	-6.7	13.0	-19.8		6.6	-7.5	5.8	-13.3
-3.3	-7.7	13.3	-21.0		6.7	-8.0	5.6	-13.6
-3.2	-8.4	13.7	-22.1		6.8	-8.7	5.5	-14.2
-3.1	-8.9	14.0	-23.0		6.9	-9.5	5.3	-14.9
-3.0	-9.0	14.4	-23.4		7.0	-10.5	5.3	-15.8
-2.9	-8.3	14.7	-23.1		7.1	-11.6	5.3	-16.9
-2.8	-6.6	15.1	-21.8		7.2	-12.8	5.3	-18.1
-2.7	-4.3	15.5	-19.8		7.3	-14.2	5.3	-19.5
-2.6	-1.9	15.9	-17.8		7.4	-16.4	5.3	-21.7
-2.5	0.6	16.4	-15.8		7.5	-20.2	5.3	-25.5
-2.4	2.8	16.8	-14.0		7.6	-26.2	5.3	-31.5
-2.3	4.8	17.3	-12.5		7.7	-21.6	5.3	-26.9
-2.2	6.5	17.7	-11.2		7.8	-14.9	5.3	-20.2
-2.1	8.2	18.2	-10.0		7.9	-10.6	5.3	-15.9
-2.0	9.8	18.8	-9.0		8.0	-7.5	5.3	-12.8
-1.9	11.3	19.3	-8.1		8.1	-5.3	5.3	-10.6
-1.8	12.7	19.9	-7.2		8.2	-3.4	5.3	-8.7
-1.7	14.2	20.5	-6.4		8.3	-1.9	5.3	-7.2
-1.6	15.6	21.2	-5.6		8.4	-0.9	5.3	-6.2
-1.5	17.0	21.9	-4.9		8.5	-0.1	5.3	-5.4
-1.4	18.5				8.6	0.5	5.3	-4.8
-1.3	19.9				8.7	0.9	5.3	-4.4
-1.2	21.2				8.8	1.0	5.3	-4.3
-1.1	22.5				8.9	1.0	5.3	-4.3
-1.0	23.7				9.0	0.8	5.3	-4.5
-0.9	24.8				9.1	0.3	5.3	-5.0
-0.8	25.8				9.2	-0.2	5.2	-5.5
-0.7	26.6				9.3	-1.0	5.1	-6.1
-0.6	27.4				9.4	-2.0	5.0	-6.9
-0.5	28.1				9.5	-3.1	4.9	-7.9
-0.4	28.7				9.6	-4.3	4.7	-9.1
-0.3	29.2				9.7	-5.8	4.6	-10.4
-0.2	29.6				9.8	-7.3	4.5	-11.8
-0.1	29.8				9.9	-8.9	4.4	-13.4
0.0	30.0				10.0	-10.4	4.3	-14.7

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Elevation, -30° to +30° @ 0.5° increment

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol EI

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-30.0	-16.7	-7.6	-9.1
-29.5	-22.7	-7.4	-15.3
-29.0	-26.0	-7.3	-18.7
-28.5	-26.6	-7.1	-19.6
-28.0	-32.3	-6.9	-25.5
-27.5	-24.2	-6.7	-17.5
-27.0	-19.5	-6.5	-13.0
-26.5	-21.1	-6.3	-14.9
-26.0	-18.5	-6.1	-12.4
-25.5	-13.3	-5.9	-7.4
-25.0	-12.5	-5.6	-6.8
-24.5	-14.8	-5.4	-9.4
-24.0	-15.3	-5.2	-10.1
-23.5	-12.1	-5.0	-7.2
-23.0	-10.4	-4.7	-5.6
-22.5	-10.0	-4.5	-5.5
-22.0	-9.2	-4.3	-4.9
-21.5	-9.0	-4.0	-5.0
-21.0	-10.8	-3.8	-7.0
-20.5	-13.7	-3.5	-10.2
-20.0	-13.6	-3.2	-10.4
-19.5	-11.2	-3.0	-8.2
-19.0	-12.6	-2.7	-9.9
-18.5	-15.5	-2.4	-13.1
-18.0	-10.8	-2.1	-8.7
-17.5	-9.7	-1.8	-7.9
-17.0	-10.0	-1.5	-8.5
-16.5	-8.2	-1.1	-7.1
-16.0	-6.1	-0.8	-5.3
-15.5	-5.2	-0.5	-4.7
-15.0	-5.1	-0.1	-5.0
-14.5	-4.5	0.3	-4.8
-14.0	-5.3	0.6	-5.9
-13.5	-10.1	1.0	-11.1
-13.0	-16.5	1.5	-18.0
-12.5	-13.0	1.9	-14.9
-12.0	-16.8	2.3	-19.1
-11.5	-11.5	2.8	-14.3
-11.0	-9.4	3.3	-12.7
-10.5	-12.3	3.8	-16.0
-10.0	-10.4	4.3	-14.7
-9.5	-3.0	4.9	-7.9
-9.0	0.8	5.4	-4.7
-8.5	-0.1	6.1	-6.1
-8.0	-7.5	6.7	-14.2
-7.5	-20.2	7.4	-27.6
-7.0	-10.5	8.2	-18.7
-6.5	-7.2	9.0	-16.1
-6.0	-10.6	9.8	-20.4
-5.5	-8.5	10.8	-19.3
-5.0	-3.8	11.8	-15.7
-4.5	-3.7	13.0	-16.7
-4.0	-7.5	14.2	-21.7
-3.5	-22.7	15.7	-38.4
-3.0	-5.7	17.4	-23.1
-2.5	6.1		
-2.0	13.8		
-1.5	20.8		
-1.0	26.3		
-0.5	29.4		
0.0	30.0		

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol EI

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	30.0		
0.5	28.1		
1.0	23.7		
1.5	17.0		
2.0	9.8		
2.5	0.6		
3.0	-9.0	17.4	-26.3
3.5	-5.9	15.7	-21.6
4.0	-4.8	14.2	-19.1
4.5	-4.1	13.0	-17.1
5.0	-0.1	11.8	-11.9
5.5	-3.3	10.8	-14.1
6.0	-25.5	9.8	-35.3
6.5	-10.9	9.0	-19.9
7.0	-22.7	8.2	-30.9
7.5	-16.9	7.4	-24.3
8.0	-3.6	6.7	-10.4
8.5	1.8	6.1	-4.2
9.0	2.0	5.4	-3.4
9.5	-1.9	4.9	-6.8
10.0	-8.1	4.3	-12.4
10.5	-13.3	3.8	-17.1
11.0	-12.3	3.3	-15.5
11.5	-17.0	2.8	-19.8
12.0	-13.9	2.3	-16.2
12.5	-12.5	1.9	-14.4
13.0	-14.9	1.5	-16.4
13.5	-7.9	1.0	-9.0
14.0	-5.7	0.6	-6.4
14.5	-5.7	0.3	-6.0
15.0	-5.5	-0.1	-5.4
15.5	-5.5	-0.5	-5.0
16.0	-7.9	-0.8	-7.1
16.5	-12.7	-1.1	-11.6
17.0	-12.3	-1.5	-10.9
17.5	-14.1	-1.8	-12.3
18.0	-20.9	-2.1	-18.8
18.5	-19.1	-2.4	-16.8
19.0	-17.3	-2.7	-14.7
19.5	-16.3	-3.0	-13.3
20.0	-16.7	-3.2	-13.5
20.5	-14.3	-3.5	-10.8
21.0	-11.8	-3.8	-8.0
21.5	-12.4	-4.0	-8.4
22.0	-14.8	-4.3	-10.5
22.5	-15.2	-4.5	-10.7
23.0	-15.4	-4.7	-10.7
23.5	-19.5	-5.0	-14.5
24.0	-27.7	-5.2	-22.5
24.5	-19.9	-5.4	-14.5
25.0	-16.6	-5.6	-10.9
25.5	-16.6	-5.9	-10.8
26.0	-19.3	-6.1	-13.2
26.5	-23.4	-6.3	-17.2
27.0	-22.2	-6.5	-15.7
27.5	-18.0	-6.7	-11.3
28.0	-16.8	-6.9	-9.9
28.5	-18.3	-7.1	-11.3
29.0	-19.1	-7.3	-11.8
29.5	-17.7	-7.4	-10.3
30.0	-18.3	-7.6	-10.6

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Elevation, -10° to +10° @ 0.1° increment

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol EI

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-10.0	-10.4	4.3	-14.7
-9.9	-8.9	4.4	-13.3
-9.8	-7.3	4.5	-11.8
-9.7	-5.8	4.6	-10.4
-9.6	-4.3	4.7	-9.1
-9.5	-3.0	4.9	-7.9
-9.4	-1.9	5.0	-6.9
-9.3	-1.0	5.1	-6.1
-9.2	-0.2	5.2	-5.4
-9.1	0.3	5.3	-5.0
-9.0	0.8	5.4	-4.7
-8.9	1.0	5.6	-4.6
-8.8	1.1	5.7	-4.6
-8.7	0.9	5.8	-4.9
-8.6	0.5	5.9	-5.4
-8.5	-0.1	6.1	-6.1
-8.4	-0.9	6.2	-7.1
-8.3	-1.9	6.3	-8.3
-8.2	-3.4	6.5	-9.9
-8.1	-5.3	6.6	-11.9
-8.0	-7.5	6.7	-14.2
-7.9	-10.6	6.9	-17.5
-7.8	-14.9	7.0	-21.9
-7.7	-21.6	7.1	-28.7
-7.6	-26.2	7.3	-33.4
-7.5	-20.2	7.4	-27.6
-7.4	-16.4	7.6	-23.9
-7.3	-14.2	7.7	-21.9
-7.2	-12.8	7.9	-20.6
-7.1	-11.6	8.0	-19.6
-7.0	-10.5	8.2	-18.7
-6.9	-9.5	8.3	-17.9
-6.8	-8.7	8.5	-17.2
-6.7	-8.0	8.6	-16.6
-6.6	-7.5	8.8	-16.3
-6.5	-7.2	9.0	-16.1
-6.4	-7.2	9.1	-16.3
-6.3	-7.5	9.3	-16.8
-6.2	-8.2	9.5	-17.7
-6.1	-9.3	9.7	-18.9
-6.0	-10.6	9.8	-20.4
-5.9	-11.9	10.0	-21.9
-5.8	-12.6	10.2	-22.8
-5.7	-11.8	10.4	-22.2
-5.6	-10.3	10.6	-20.9
-5.5	-8.5	10.8	-19.3
-5.4	-6.9	11.0	-17.9
-5.3	-5.7	11.2	-16.9
-5.2	-4.9	11.4	-16.3
-5.1	-4.3	11.6	-15.9
-5.0	-3.8	11.8	-15.7
-4.9	-3.6	12.0	-15.6
-4.8	-3.5	12.3	-15.7
-4.7	-3.5	12.5	-16.0
-4.6	-3.5	12.7	-16.3
-4.5	-3.7	13.0	-16.7
-4.4	-4.0	13.2	-17.3
-4.3	-4.5	13.5	-18.0
-4.2	-5.2	13.7	-18.9
-4.1	-6.2	14.0	-20.1
-4.0	-7.5	14.2	-21.7
-3.9	-9.3	14.5	-23.8

6.40 GHz @ -9.90 dBW / 4 kHz in Co-pol EI

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	30.0		
0.1	29.9		
0.2	29.6		
0.3	29.2		
0.4	28.7		
0.5	28.1		
0.6	27.4		
0.7	26.6		
0.8	25.8		
0.9	24.8		
1.0	23.7		
1.1	22.5		
1.2	21.2		
1.3	19.9		
1.4	18.5		
1.5	17.0		
1.6	15.6		
1.7	14.2		
1.8	12.7		
1.9	11.3		
2.0	9.8		
2.1	8.2		
2.2	6.5		
2.3	4.8		
2.4	2.8		
2.5	0.6		
2.6	-1.9		
2.7	-4.3		
2.8	-6.6		
2.9	-8.3		
3.0	-9.0	17.4	-26.3
3.1	-8.9	17.0	-25.9
3.2	-8.4	16.7	-25.1
3.3	-7.7	16.3	-24.0
3.4	-6.7	16.0	-22.8
3.5	-5.9	15.7	-21.6
3.6	-5.1	15.4	-20.5
3.7	-4.7	15.1	-19.7
3.8	-4.4	14.8	-19.2
3.9	-4.5	14.5	-19.0
4.0	-4.8	14.2	-19.1
4.1	-5.3	14.0	-19.3
4.2	-5.7	13.7	-19.4
4.3	-5.8	13.5	-19.2
4.4	-5.2	13.2	-18.4
4.5	-4.1	13.0	-17.1
4.6	-2.9	12.7	-15.7
4.7	-1.8	12.5	-14.3
4.8	-1.0	12.3	-13.3
4.9	-0.4	12.0	-12.4
5.0	-0.1	11.8	-11.9
5.1	0.0	11.6	-11.6
5.2	-0.3	11.4	-11.7
5.3	-0.9	11.2	-12.1
5.4	-1.9	11.0	-12.9
5.5	-3.3	10.8	-14.1
5.6	-5.2	10.6	-15.7
5.7	-7.9	10.4	-18.3
5.8	-11.6	10.2	-21.8
5.9	-17.7	10.0	-27.7
6.0	-25.5	9.8	-35.3
6.1	-17.9	9.7	-27.6

Orbit Communication - Satcom Products

AL-7108-C, 2.4m Antenna, EIRPsd Data Table
Co-pol Elevation, -10° to +10° @ 0.1° increment

-3.8	-11.8	14.8	-26.6
-3.7	-15.3	15.1	-30.4
-3.6	-19.9	15.4	-35.3
-3.5	-22.7	15.7	-38.4
-3.4	-19.0	16.0	-35.0
-3.3	-15.0	16.3	-31.3
-3.2	-11.8	16.7	-28.5
-3.1	-8.8	17.0	-25.8
-3.0	-5.7	17.4	-23.1
-2.9	-2.9		
-2.8	-0.3		
-2.7	2.0		
-2.6	4.1		
-2.5	6.1		
-2.4	7.8		
-2.3	9.4		
-2.2	10.9		
-2.1	12.4		
-2.0	13.8		
-1.9	15.3		
-1.8	16.8		
-1.7	18.1		
-1.6	19.4		
-1.5	20.8		
-1.4	22.1		
-1.3	23.3		
-1.2	24.4		
-1.1	25.4		
-1.0	26.3		
-0.9	27.1		
-0.8	27.9		
-0.7	28.5		
-0.6	29.0		
-0.5	29.4		
-0.4	29.7		
-0.3	30.0		
-0.2	30.1		
-0.1	30.1		
0.0	30.0		

6.2	-13.8	9.5	-23.3
6.3	-11.9	9.3	-21.2
6.4	-11.0	9.1	-20.1
6.5	-10.9	9.0	-19.9
6.6	-11.6	8.8	-20.4
6.7	-12.9	8.6	-21.5
6.8	-15.0	8.5	-23.5
6.9	-18.0	8.3	-26.4
7.0	-22.7	8.2	-30.9
7.1	-30.4	8.0	-38.4
7.2	-32.5	7.9	-40.4
7.3	-25.0	7.7	-32.7
7.4	-20.5	7.6	-28.1
7.5	-16.9	7.4	-24.3
7.6	-13.5	7.3	-20.8
7.7	-10.4	7.1	-17.6
7.8	-7.7	7.0	-14.7
7.9	-5.5	6.9	-12.4
8.0	-3.6	6.7	-10.4
8.1	-2.0	6.6	-8.6
8.2	-0.6	6.5	-7.1
8.3	0.4	6.3	-6.0
8.4	1.2	6.2	-5.0
8.5	1.8	6.1	-4.2
8.6	2.2	5.9	-3.7
8.7	2.5	5.8	-3.4
8.8	2.5	5.7	-3.2
8.9	2.3	5.6	-3.2
9.0	2.0	5.4	-3.4
9.1	1.5	5.3	-3.8
9.2	0.9	5.2	-4.3
9.3	0.1	5.1	-5.0
9.4	-0.9	5.0	-5.8
9.5	-1.9	4.9	-6.8
9.6	-3.1	4.7	-7.8
9.7	-4.3	4.6	-8.9
9.8	-5.6	4.5	-10.1
9.9	-6.8	4.4	-11.2
10.0	-8.1	4.3	-12.4

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AL-7108-C, 2.4m Antenna, EIRPsd Data Table
X-pol Azimuth, -10° to +10° @ 0.1° increment

6.40 GHz @ -9.90 dBW / 4 kHz in X-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
-10.0	-15.7	-4.7	-11.0
-9.9	-16.1	-4.7	-11.4
-9.8	-16.6	-4.7	-11.9
-9.7	-17.2	-4.7	-12.5
-9.6	-17.9	-4.7	-13.2
-9.5	-18.3	-4.7	-13.6
-9.4	-17.9	-4.7	-13.2
-9.3	-16.7	-4.7	-12.0
-9.2	-15.2	-4.7	-10.5
-9.1	-13.7	-4.7	-9.0
-9.0	-12.3	-4.7	-7.6
-8.9	-11.3	-4.7	-6.6
-8.8	-10.5	-4.7	-5.8
-8.7	-9.9	-4.7	-5.2
-8.6	-9.4	-4.7	-4.7
-8.5	-9.1	-4.7	-4.4
-8.4	-8.8	-4.7	-4.1
-8.3	-8.5	-4.7	-3.8
-8.2	-8.1	-4.7	-3.4
-8.1	-7.6	-4.7	-2.9
-8.0	-7.1	-4.7	-2.4
-7.9	-6.6	-4.7	-1.9
-7.8	-6.1	-4.7	-1.4
-7.7	-5.7	-4.7	-1.0
-7.6	-5.4	-4.7	-0.7
-7.5	-5.4	-4.7	-0.7
-7.4	-5.4	-4.7	-0.7
-7.3	-5.7	-4.7	-1.0
-7.2	-6.1	-4.7	-1.4
-7.1	-6.5	-4.7	-1.8
-7.0	-7.1	-4.7	-2.4
-6.9	-7.5	-4.7	-2.9
-6.8	-7.7	-4.5	-3.2
-6.7	-7.5	-4.4	-3.1
-6.6	-7.0	-4.2	-2.8
-6.5	-6.3	-4.0	-2.2
-6.4	-5.5	-3.9	-1.6
-6.3	-4.8	-3.7	-1.1
-6.2	-4.2	-3.5	-0.7
-6.1	-3.7	-3.3	-0.4
-6.0	-3.3	-3.2	-0.2
-5.9	-3.0	-3.0	0.0
-5.8	-2.8	-2.8	0.0
-5.7	-2.6	-2.6	0.0
-5.6	-2.5	-2.4	-0.1
-5.5	-2.4	-2.2	-0.2
-5.4	-2.3	-2.0	-0.3
-5.3	-2.2	-1.8	-0.4
-5.2	-2.1	-1.6	-0.5
-5.1	-2.1	-1.4	-0.7
-5.0	-2.2	-1.2	-1.1
-4.9	-2.4	-1.0	-1.5
-4.8	-2.8	-0.7	-2.1
-4.7	-3.3	-0.5	-2.8
-4.6	-4.1	-0.3	-3.8
-4.5	-5.1	0.0	-5.0
-4.4	-6.4	0.2	-6.6
-4.3	-8.0	0.5	-8.4
-4.2	-10.1	0.7	-10.8
-4.1	-13.0	1.0	-13.9
-4.0	-16.8	1.2	-18.0
-3.9	-19.9	1.5	-21.4

6.40 GHz @ -9.90 dBW / 4 kHz in X-pol Az

Angle Degrees	EIRPsd dBW/4kHz	Mask dBW/4kHz	Over Mask dB
0.0	-7.4		
0.1	-12.5		
0.2	-10.8		
0.3	-5.8		
0.4	-2.6		
0.5	-0.4		
0.6	1.2		
0.7	2.4		
0.8	3.2		
0.9	3.7		
1.0	4.0		
1.1	4.1		
1.2	4.0		
1.3	3.7		
1.4	3.2		
1.5	2.5		
1.6	1.6		
1.7	0.5		
1.8	-0.9	9.9	-10.8
1.9	-2.7	9.3	-12.0
2.0	-4.8	8.8	-13.6
2.1	-7.4	8.2	-15.6
2.2	-10.4	7.7	-18.1
2.3	-13.3	7.3	-20.5
2.4	-13.8	6.8	-20.6
2.5	-12.4	6.4	-18.7
2.6	-10.8	5.9	-16.7
2.7	-9.6	5.5	-15.1
2.8	-9.0	5.1	-14.1
2.9	-8.9	4.7	-13.6
3.0	-9.1	4.4	-13.4
3.1	-9.7	4.0	-13.7
3.2	-10.6	3.7	-14.3
3.3	-11.9	3.3	-15.3
3.4	-13.8	3.0	-16.8
3.5	-16.2	2.7	-18.9
3.6	-19.4	2.4	-21.8
3.7	-23.6	2.1	-25.7
3.8	-28.9	1.8	-30.7
3.9	-28.2	1.5	-29.7
4.0	-24.0	1.2	-25.2
4.1	-21.2	1.0	-22.2
4.2	-19.4	0.7	-20.1
4.3	-18.0	0.5	-18.5
4.4	-17.0	0.2	-17.3
4.5	-16.1	0.0	-16.1
4.6	-15.4	-0.3	-15.1
4.7	-14.7	-0.5	-14.2
4.8	-13.9	-0.7	-13.2
4.9	-13.1	-1.0	-12.2
5.0	-12.5	-1.2	-11.3
5.1	-11.9	-1.4	-10.5
5.2	-11.2	-1.6	-9.6
5.3	-10.5	-1.8	-8.7
5.4	-10.0	-2.0	-8.0
5.5	-9.5	-2.2	-7.3
5.6	-9.0	-2.4	-6.6
5.7	-8.6	-2.6	-6.0
5.8	-8.2	-2.8	-5.5
5.9	-8.0	-3.0	-5.0
6.0	-7.8	-3.2	-4.7
6.1	-7.8	-3.3	-4.5

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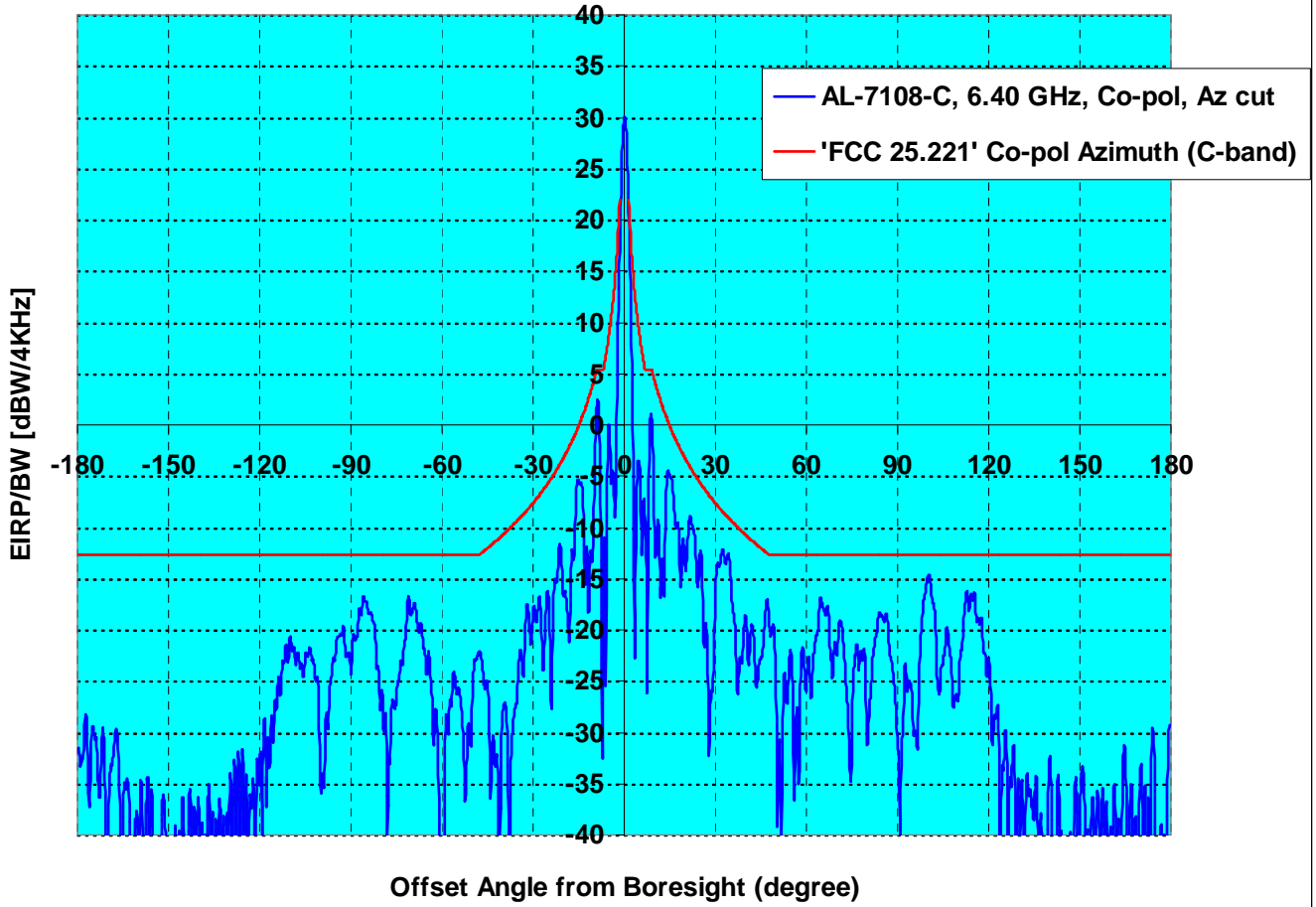
AL-7108-C, 2.4m Antenna, EIRPsd Data Table
X-pol Azimuth, -10° to +10° @ 0.1° increment

-3.8	-18.1	1.8	-19.9
-3.7	-14.7	2.1	-16.8
-3.6	-12.2	2.4	-14.6
-3.5	-10.3	2.7	-13.0
-3.4	-9.1	3.0	-12.1
-3.3	-8.3	3.3	-11.7
-3.2	-7.8	3.7	-11.5
-3.1	-7.6	4.0	-11.6
-3.0	-7.5	4.4	-11.9
-2.9	-7.5	4.7	-12.2
-2.8	-7.3	5.1	-12.4
-2.7	-6.7	5.5	-12.2
-2.6	-5.6	5.9	-11.5
-2.5	-4.2	6.4	-10.5
-2.4	-2.5	6.8	-9.3
-2.3	-0.9	7.3	-8.1
-2.2	0.6	7.7	-7.1
-2.1	2.1	8.2	-6.2
-2.0	3.3	8.8	-5.4
-1.9	4.4	9.3	-4.9
-1.8	5.4	9.9	-4.5
-1.7	6.2		
-1.6	6.8		
-1.5	7.4		
-1.4	7.7		
-1.3	8.0		
-1.2	8.1		
-1.1	8.1		
-1.0	8.0		
-0.9	7.7		
-0.8	7.3		
-0.7	6.7		
-0.6	5.9		
-0.5	4.9		
-0.4	3.6		
-0.3	2.0		
-0.2	-0.1		
-0.1	-3.0		
0.0	-7.4		

6.2	-7.9	-3.5	-4.4
6.3	-8.1	-3.7	-4.4
6.4	-8.3	-3.9	-4.4
6.5	-8.6	-4.0	-4.6
6.6	-9.0	-4.2	-4.8
6.7	-9.3	-4.4	-4.9
6.8	-9.5	-4.5	-5.0
6.9	-9.6	-4.7	-5.0
7.0	-9.5	-4.7	-4.8
7.1	-9.3	-4.7	-4.6
7.2	-9.1	-4.7	-4.4
7.3	-8.9	-4.7	-4.2
7.4	-8.6	-4.7	-3.9
7.5	-8.3	-4.7	-3.6
7.6	-8.3	-4.7	-3.6
7.7	-8.3	-4.7	-3.6
7.8	-8.2	-4.7	-3.5
7.9	-8.3	-4.7	-3.6
8.0	-8.4	-4.7	-3.7
8.1	-8.5	-4.7	-3.8
8.2	-8.7	-4.7	-4.0
8.3	-8.9	-4.7	-4.2
8.4	-9.0	-4.7	-4.3
8.5	-9.2	-4.7	-4.5
8.6	-9.5	-4.7	-4.8
8.7	-9.8	-4.7	-5.1
8.8	-10.1	-4.7	-5.4
8.9	-10.4	-4.7	-5.7
9.0	-10.7	-4.7	-6.0
9.1	-11.0	-4.7	-6.3
9.2	-11.2	-4.7	-6.5
9.3	-11.3	-4.7	-6.6
9.4	-11.4	-4.7	-6.7
9.5	-11.2	-4.7	-6.5
9.6	-11.1	-4.7	-6.4
9.7	-10.9	-4.7	-6.2
9.8	-10.7	-4.7	-6.0
9.9	-10.5	-4.7	-5.8
10.0	-10.4	-4.7	-5.7

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 AL-7108-C, 2.4m Antenna, EIRPsd, Co-pol, Azimuth

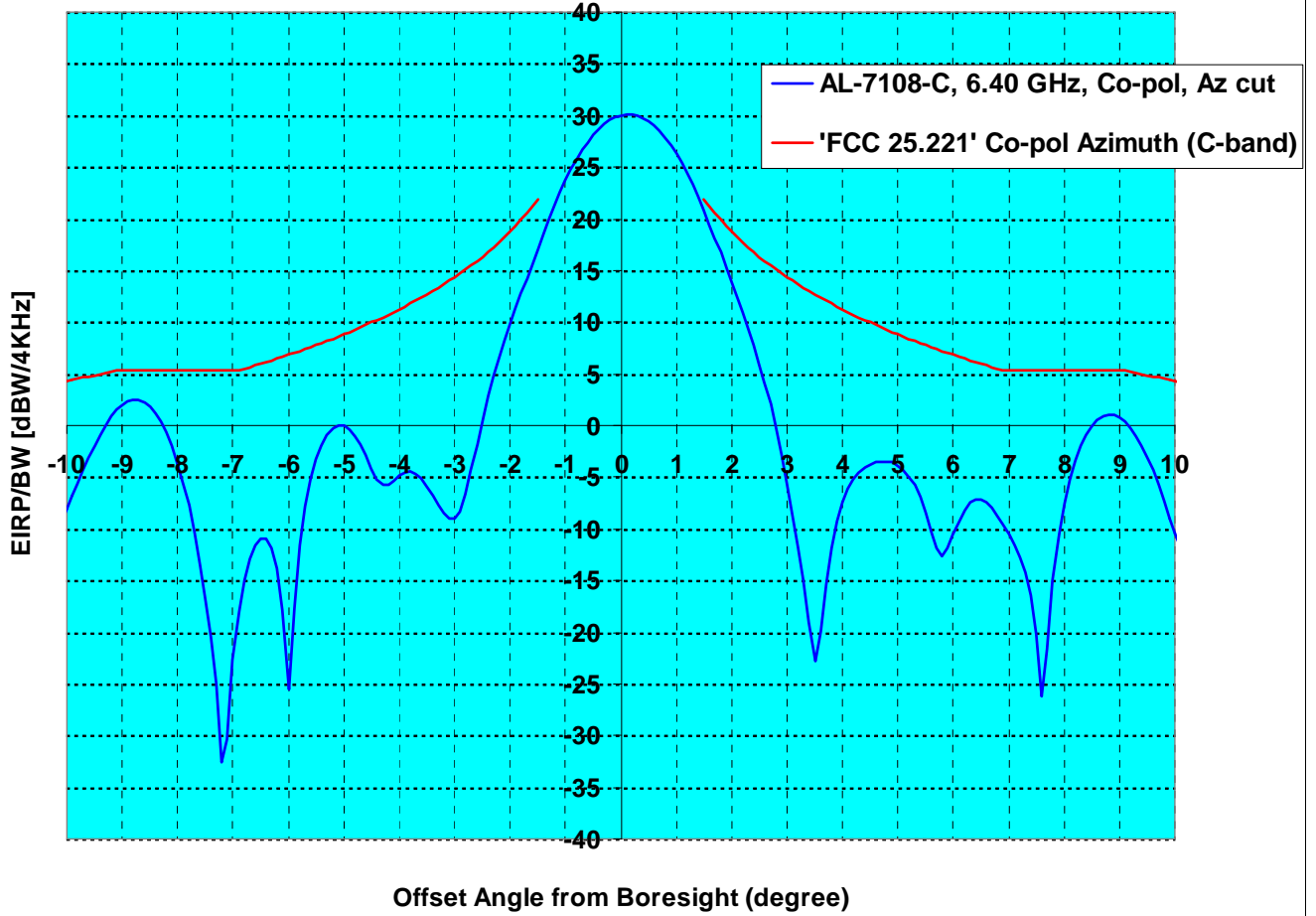
**'FCC 25.221' Co-pol Guide at C-band for EIRP/BW of -9.90 dBW/4KHz to Input
 and 30.03 dBW/4KHz in the Output of AL-7108-C Antenna at 6.40 GHz in Az cut
 Min BW of 554 KHz in case of 20W BUC**



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (1.5° to 7°)	± (7° to 180°)	
AL-7108-C, 6.40 GHz, Co-pol, Az cut	-9.90	39.93	-1.09	-1.90	0.00

Orbit Communication - Satcom Products
 AL-7108-C, 2.4m Antenna, EIRPsd, Co-pol, Azimuth

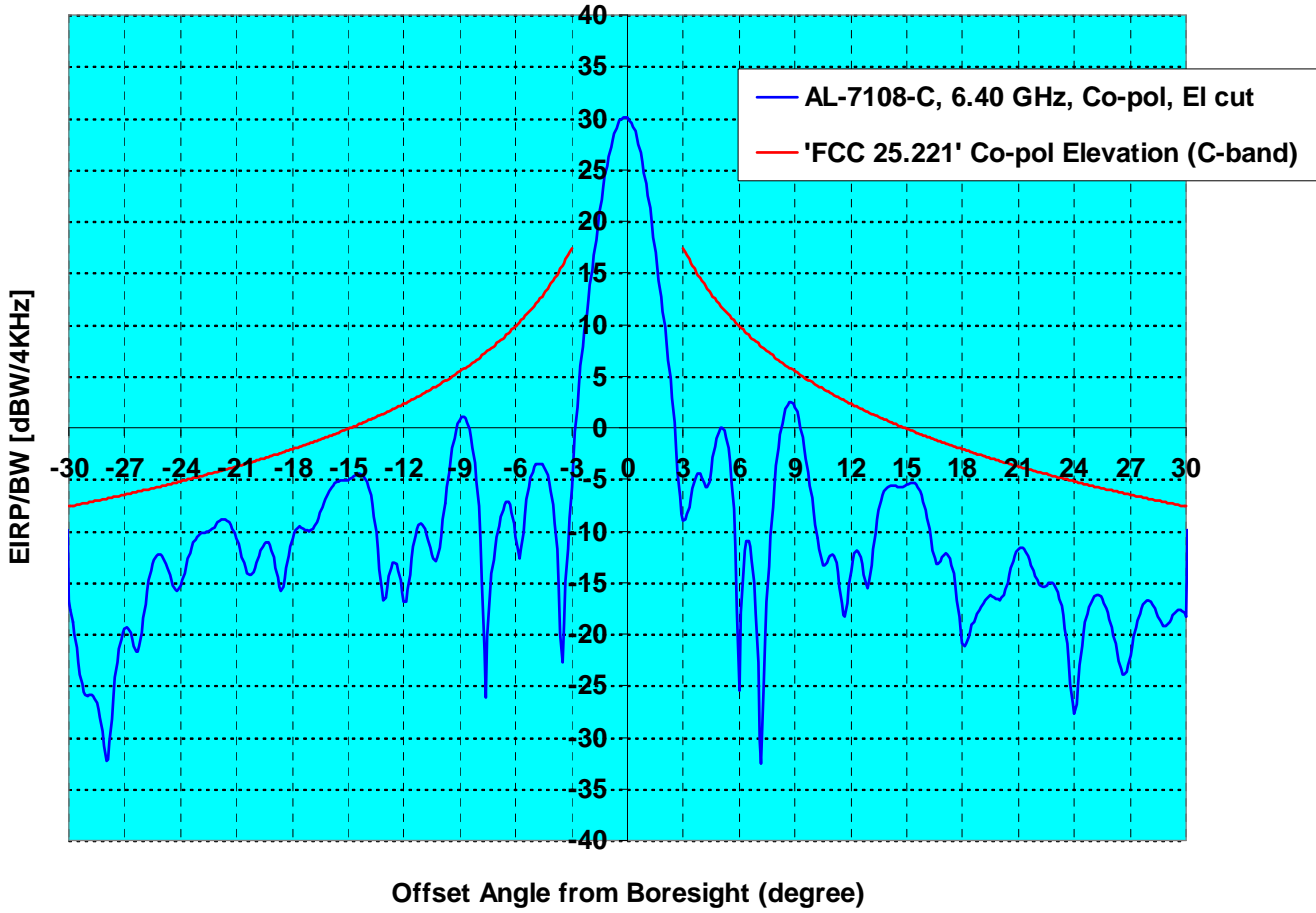
**'FCC 25.221' Co-pol Guide at C-band for EIRP/BW of -9.90 dBW/4KHz to Input
 and 30.03 dBW/4KHz in the Output of AL-7108-C Antenna at 6.40 GHz in Az cut
 Min BW of 554 KHz in case of 20W BUC**



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (1.5° to 7°)	± (7° to 180°)	
AL-7108-C, 6.40 GHz, Co-pol, Az cut	-9.90	39.93	-1.09	-1.90	0.00

Orbit Communication - Satcom Products
 AL-7108-C, 2.4m Antenna, EIRPsd, Co-pol, Elevation

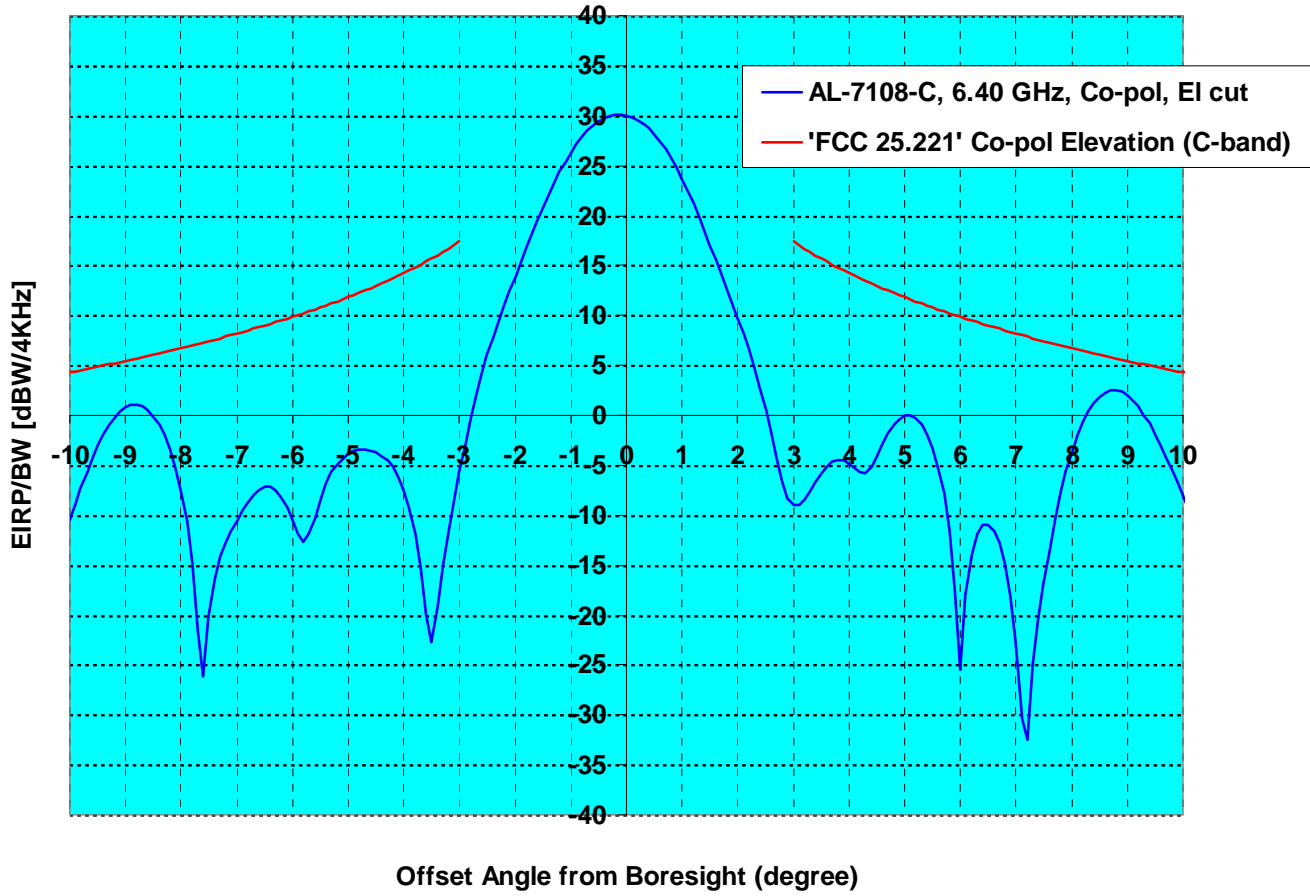
**'FCC 25.221' Co-pol Guide at C-band for EIRP/BW of -9.90 dBW/4KHz to Input
 and 30.03 dBW/4KHz in the Output of AL-7108-C Antenna at 6.40 GHz in El cut
 Min BW of 554 KHz in case of 20W BUC**



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (3° to 7°)	± (3° to 30°)	
AL-7108-C, 6.40 GHz, Co-pol, El cut	-9.90	39.93	-11.64	-3.21	0.00

Orbit Communication - Satcom Products
AL-7108-C, 2.4m Antenna, EIRPsd, Co-pol, Elevation

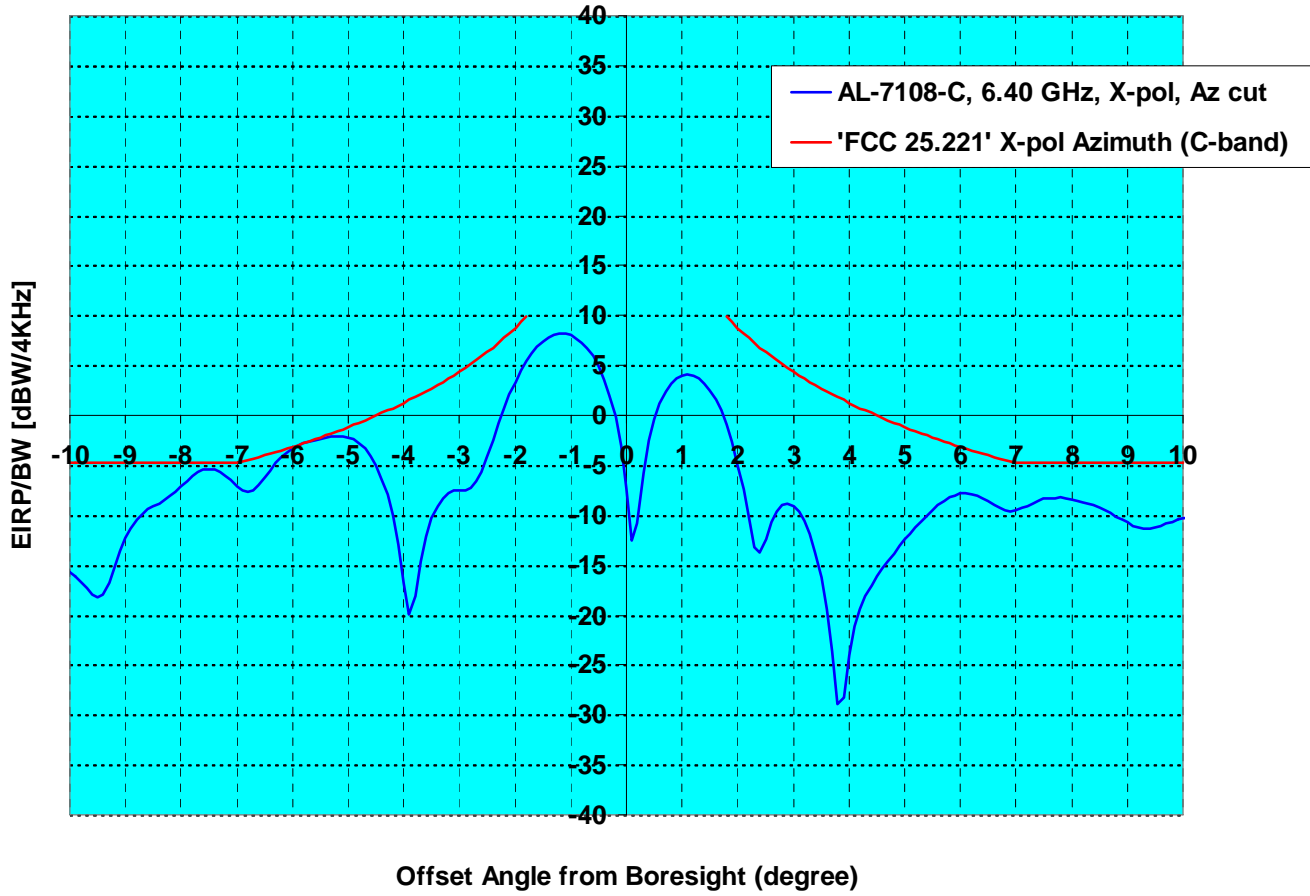
**'FCC 25.221' Co-pol Guide at C-band for EIRP/BW of -9.90 dBW/4KHz to Input
and 30.03 dBW/4KHz in the Output of AL-7108-C Antenna at 6.40 GHz in EL cut**
Min BW of 554 KHz in case of 20W BUC



Configuration System, Frequency, Polarization, Plane	Input EIRPsd dBW/4KHz	Antenna Gain dBi	Peak Excursions dB		Over Mask %
			± (3° to 7°)	± (3° to 30°)	
AL-7108-C, 6.40 GHz, Co-pol, El cut	-9.90	39.93	-11.64	-3.21	0.00

Orbit Communication - Satcom Products
 AL-7108-C, 2.4m Antenna, EIRPsd, X-pol, Azimuth

**'FCC 25.221' X-pol Guide at C-band for EIRP/BW of -9.90 dBW/4KHz to Input
 and 30.03 dBW/4KHz in the Output of AL-7108-C Antenna at 6.40 GHz in Az cut
 Min BW of 554 KHz in case of 20W 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°)	
AL-7108-C, 6.40 GHz, X-pol, Az cut	-9.90	39.93	0.00	0.00	0.00