

Table of Distances - 60 dBu Coverage

Scala CL-FM Log Periodic Antenna, Horizontal Polarization, Main Lobe at 340 degrees

Power Output in Main Lobe at 340 degrees: 8 watts -20.969 DBK

Azi in Deg.s	Antenna Loss DBK	Actual or Interpolated	Total Power DBK	Total Power Watts	HAAT for Radial	Dist. To 60 dBu Con.	Free Space Eq
30	-12	Actual	-32.9691	0.50476588 watts	95.6 m	2.59 km	
31	-12.8	Interpolated	-33.8091	0.4159968 watts	87.6 m	2.36 km	
32	-13.7	Interpolated	-34.6491	0.34283882 watts	78.4 m	2.17 km	
33	-14.5	Interpolated	-35.4891	0.28254654 watts	67.1 m	1.96 km	
34	-15.4	Interpolated	-36.3291	0.23285737 watts	54.3 m	1.72 km	
35	-16.2	Actual	-37.1691	0.19190663 watts	40.9 m	1.61 km	
36	-17.2	Interpolated	-38.2091	0.15103931 watts	28.7 m	1.61 km	
37	-18.3	Interpolated	-39.2491	0.11887485 watts	20 m	1.61 km	
38	-19.3	Interpolated	-40.2891	0.09355995 watts	15.1 m	1.61 km	
39	-20.4	Interpolated	-41.3291	0.07363597 watts	12.5 m	1.61 km	
40	-21.4	Actual	-42.3691	0.05795488 watts	11.6 m	1.61 km	
41	-22.5	Interpolated	-43.4691	0.04498731 watts	11.9 m	1.486924 km	free
42	-23.6	Interpolated	-44.5691	0.03492127 watts	13.2 m	1.310052 km	free
43	-24.7	Interpolated	-45.6691	0.02710753 watts	15.2 m	1.15422 km	free
44	-25.8	Interpolated	-46.7691	0.02104214 watts	17.3 m	1.016924 km	free
45	-26.9	Actual	-47.8691	0.0163339 watts	19.1 m	0.89596 km	free
46	-28.3	Interpolated	-49.2891	0.0117785 watts	20.3 m	0.760832 km	free
47	-29.7	Interpolated	-50.7091	0.00849356 watts	20.9 m	0.646084 km	free
48	-31.2	Interpolated	-52.1291	0.00612477 watts	20.9 m	0.548642 km	free
49	-32.6	Interpolated	-53.5491	0.00441662 watts	20.2 m	0.465896 km	free
50	-34	Actual	-54.9691	0.00318486 watts	19.3 m	0.395629 km	free
51	-35.2	Interpolated	-56.1691	0.00241596 watts	19.2 m	0.344579 km	free
52	-36.4	Interpolated	-57.3691	0.00183269 watts	20.1 m	0.300116 km	free
53	-37.6	Interpolated	-58.5691	0.00139024 watts	22 m	0.26139 km	free
54	-38.8	Interpolated	-59.7691	0.00105461 watts	24.1 m	0.227661 km	free
55	-40	Actual	-60.9691	0.0008 watts	26.2 m	0.198284 km	free
56	-40.0	Interpolated	-60.9691	0.0008 watts	28.5 m	0.198284 km	free
57	-40.0	Interpolated	-60.9691	0.0008 watts	31.3 m	0.198284 km	free
58	-40.0	Interpolated	-60.9691	0.0008 watts	35.1 m	0.198284 km	free
59	-40.0	Interpolated	-60.9691	0.0008 watts	39.7 m	0.198284 km	free
60	-40	Actual	-60.9691	0.0008 watts	44.7 m	0.198284 km	free
61	-40.0	Interpolated	-60.9691	0.0008 watts	49.9 m	0.198284 km	free
62	-40.0	Interpolated	-60.9691	0.0008 watts	55.3 m	0.198284 km	free
63	-40.0	Interpolated	-60.9691	0.0008 watts	60.7 m	0.198284 km	free
64	-40.0	Interpolated	-60.9691	0.0008 watts	64.9 m	0.198284 km	free
65	-40	Actual	-60.9691	0.0008 watts	67.3 m	0.198284 km	free
66	-40.0	Interpolated	-60.9691	0.0008 watts	67.9 m	0.198284 km	free
67	-40.0	Interpolated	-60.9691	0.0008 watts	66.8 m	0.198284 km	free
68	-40.0	Interpolated	-60.9691	0.0008 watts	63.9 m	0.198284 km	free

69	-40.0	Interpolated	-60.9691	0.0008 watts	59.3 m	0.198284 km	free
70	-40	Actual	-60.9691	0.0008 watts	52.9 m	0.198284 km	free
71	-40.0	Interpolated	-60.9691	0.0008 watts	46.2 m	0.198284 km	free
72	-40.0	Interpolated	-60.9691	0.0008 watts	40 m	0.198284 km	free
73	-40.0	Interpolated	-60.9691	0.0008 watts	34.7 m	0.198284 km	free
74	-40.0	Interpolated	-60.9691	0.0008 watts	30.9 m	0.198284 km	free
75	-40	Actual	-60.9691	0.0008 watts	28.7 m	0.198284 km	free
76	-40.0	Interpolated	-60.9691	0.0008 watts	29.1 m	0.198284 km	free
77	-40.0	Interpolated	-60.9691	0.0008 watts	33.1 m	0.198284 km	free
78	-40.0	Interpolated	-60.9691	0.0008 watts	38.9 m	0.198284 km	free
79	-40.0	Interpolated	-60.9691	0.0008 watts	46 m	0.198284 km	free
80	-40	Actual	-60.9691	0.0008 watts	54.2 m	0.198284 km	free
81	-40.0	Interpolated	-60.9691	0.0008 watts	61.8 m	0.198284 km	free
82	-40.0	Interpolated	-60.9691	0.0008 watts	69.3 m	0.198284 km	free
83	-40.0	Interpolated	-60.9691	0.0008 watts	74.9 m	0.198284 km	free
84	-40.0	Interpolated	-60.9691	0.0008 watts	77 m	0.198284 km	free
85	-40	Actual	-60.9691	0.0008 watts	78.3 m	0.198284 km	free
86	-40.0	Interpolated	-60.9691	0.0008 watts	79.2 m	0.198284 km	free
87	-40.0	Interpolated	-60.9691	0.0008 watts	78.3 m	0.198284 km	free
88	-40.0	Interpolated	-60.9691	0.0008 watts	77.4 m	0.198284 km	free
89	-40.0	Interpolated	-60.9691	0.0008 watts	76.4 m	0.198284 km	free
90	-40	Actual	-60.9691	0.0008 watts	77.1 m	0.198284 km	free
91	-39.6	Interpolated	-60.5891	0.00087315 watts	83.6 m	0.207152 km	free
92	-39.2	Interpolated	-60.2091	0.00095299 watts	90 m	0.216416 km	free
93	-38.9	Interpolated	-59.8291	0.00104014 watts	96.4 m	0.226094 km	free
94	-38.5	Interpolated	-59.4491	0.00113525 watts	100.9 m	0.236205 km	free
95	-38.1	Actual	-59.0691	0.00123905 watts	102.9 m	0.246768 km	free
96	-37.8	Interpolated	-58.7491	0.0013338 watts	104.4 m	0.256029 km	free
97	-37.5	Interpolated	-58.4291	0.00143579 watts	105.7 m	0.265637 km	free
98	-37.1	Interpolated	-58.1091	0.00154557 watts	106.6 m	0.275606 km	free
99	-36.8	Interpolated	-57.7891	0.00166376 watts	107.3 m	0.285949 km	free
100	-36.5	Actual	-57.4691	0.00179098 watts	107.3 m	0.29668 km	free
101	-36.0	Interpolated	-56.9691	0.00200951 watts	103 m	0.31426 km	free
102	-35.5	Interpolated	-56.4691	0.00225471 watts	95.7 m	0.332881 km	free
103	-35.0	Interpolated	-55.9691	0.00252982 watts	88.8 m	0.352605 km	free
104	-34.5	Interpolated	-55.4691	0.00283851 watts	84.8 m	0.373498 km	free
105	-34	Actual	-54.9691	0.00318486 watts	84.8 m	0.395629 km	free
106	-33.6	Interpolated	-54.5691	0.00349213 watts	86.9 m	0.414275 km	free
107	-33.2	Interpolated	-54.1691	0.00382904 watts	90.1 m	0.433799 km	free
108	-32.8	Interpolated	-53.7691	0.00419846 watts	93.4 m	0.454243 km	free
109	-32.4	Interpolated	-53.3691	0.00460352 watts	95.5 m	0.475651 km	free
110	-32	Actual	-52.9691	0.00504766 watts	95.7 m	0.498068 km	free
111	-31.8	Interpolated	-52.7291	0.00533445 watts	94.2 m	0.512022 km	free
112	-31.5	Interpolated	-52.4891	0.00563754 watts	91.6 m	0.526367 km	free
113	-31.3	Interpolated	-52.2491	0.00595786 watts	88.9 m	0.541114 km	free
114	-31.0	Interpolated	-52.0091	0.00629637 watts	86.7 m	0.556274 km	free
115	-30.8	Actual	-51.7691	0.00665411 watts	85.7 m	0.571859 km	free
116	-30.5	Interpolated	-51.5091	0.00706464 watts	85.7 m	0.589235 km	free

117	-30.3	Interpolated	-51.2491	0.0075005 watts	86.7 m	0.60714 km	free
118	-30.0	Interpolated	-50.9891	0.00796324 watts	88 m	0.625588 km	free
119	-29.8	Interpolated	-50.7291	0.00845454 watts	89.4 m	0.644598 km	free
120	-29.5	Actual	-50.4691	0.00897615 watts	90.2 m	0.664184 km	free
121	-29.4	Interpolated	-50.3491	0.00922763 watts	90.2 m	0.673424 km	free
122	-29.3	Interpolated	-50.2291	0.00948615 watts	89.2 m	0.682792 km	free
123	-29.1	Interpolated	-50.1091	0.00975192 watts	87.2 m	0.692291 km	free
124	-29.0	Interpolated	-49.9891	0.01002513 watts	84.4 m	0.701922 km	free
125	-28.9	Actual	-49.8691	0.010306 watts	81 m	0.711686 km	free
126	-28.8	Interpolated	-49.7491	0.01059473 watts	78.2 m	0.721587 km	free
127	-28.7	Interpolated	-49.6291	0.01089156 watts	76.6 m	0.731625 km	free
128	-28.5	Interpolated	-49.5091	0.0111967 watts	76.1 m	0.741803 km	free
129	-28.4	Interpolated	-49.3891	0.01151039 watts	76.8 m	0.752123 km	free
130	-28.3	Actual	-49.2691	0.01183287 watts	78.6 m	0.762586 km	free
131	-28.3	Interpolated	-49.2291	0.01194236 watts	80.9 m	0.766106 km	free
132	-28.2	Interpolated	-49.1891	0.01205286 watts	83.6 m	0.769642 km	free
133	-28.2	Interpolated	-49.1491	0.01216438 watts	86.8 m	0.773194 km	free
134	-28.1	Interpolated	-49.1091	0.01227694 watts	90.4 m	0.776763 km	free
135	-28.1	Actual	-49.0691	0.01239053 watts	92.8 m	0.780349 km	free
136	-28.1	Interpolated	-49.0491	0.01244773 watts	94.4 m	0.782147 km	free
137	-28.1	Interpolated	-49.0291	0.01250518 watts	96.1 m	0.783951 km	free
138	-28.0	Interpolated	-49.0091	0.0125629 watts	97.9 m	0.785758 km	free
139	-28.0	Interpolated	-48.9891	0.01262089 watts	98.9 m	0.787569 km	free
140	-28	Actual	-48.9691	0.01267915 watts	99 m	0.789385 km	free
141	-28.0	Interpolated	-48.9691	0.01267915 watts	99.1 m	0.789385 km	free
142	-28.0	Interpolated	-48.9691	0.01267915 watts	99.3 m	0.789385 km	free
143	-28.0	Interpolated	-48.9691	0.01267915 watts	98.9 m	0.789385 km	free
144	-28.0	Interpolated	-48.9691	0.01267915 watts	97 m	0.789385 km	free
145	-28	Actual	-48.9691	0.01267915 watts	94.4 m	0.789385 km	free
146	-28.0	Interpolated	-48.9691	0.01267915 watts	92.3 m	0.789385 km	free
147	-28.0	Interpolated	-48.9691	0.01267915 watts	90.9 m	0.789385 km	free
148	-28.0	Interpolated	-48.9691	0.01267915 watts	90.4 m	0.789385 km	free
149	-28.0	Interpolated	-48.9691	0.01267915 watts	90.6 m	0.789385 km	free
150	-28	Actual	-48.9691	0.01267915 watts	90.8 m	0.789385 km	free
151	-28.0	Interpolated	-48.9691	0.01267915 watts	91.2 m	0.789385 km	free
152	-28.0	Interpolated	-48.9691	0.01267915 watts	92 m	0.789385 km	free
153	-28.0	Interpolated	-48.9691	0.01267915 watts	92.8 m	0.789385 km	free
154	-28.0	Interpolated	-48.9691	0.01267915 watts	93.7 m	0.789385 km	free
155	-28	Actual	-48.9691	0.01267915 watts	93.6 m	0.789385 km	free
156	-28.0	Interpolated	-48.9691	0.01267915 watts	92.9 m	0.789385 km	free
157	-28.0	Interpolated	-48.9691	0.01267915 watts	93.3 m	0.789385 km	free
158	-28.0	Interpolated	-48.9691	0.01267915 watts	93 m	0.789385 km	free
159	-28.0	Interpolated	-48.9691	0.01267915 watts	91.9 m	0.789385 km	free
160	-28	Actual	-48.9691	0.01267915 watts	89.9 m	0.789385 km	free
161	-28.0	Interpolated	-48.9691	0.01267915 watts	87.1 m	0.789385 km	free
162	-28.0	Interpolated	-48.9691	0.01267915 watts	83.7 m	0.789385 km	free
163	-28.0	Interpolated	-48.9691	0.01267915 watts	82.1 m	0.789385 km	free
164	-28.0	Interpolated	-48.9691	0.01267915 watts	82 m	0.789385 km	free

165	-28	Actual	-48.9691	0.01267915 watts	83.5 m	0.789385 km	free
166	-28.0	Interpolated	-48.9691	0.01267915 watts	87.2 m	0.789385 km	free
167	-28.0	Interpolated	-48.9691	0.01267915 watts	91.3 m	0.789385 km	free
168	-28.0	Interpolated	-48.9691	0.01267915 watts	93.3 m	0.789385 km	free
169	-28.0	Interpolated	-48.9691	0.01267915 watts	93.1 m	0.789385 km	free
170	-28	Actual	-48.9691	0.01267915 watts	91.5 m	0.789385 km	free
171	-28.0	Interpolated	-48.9691	0.01267915 watts	90.3 m	0.789385 km	free
172	-28.0	Interpolated	-48.9691	0.01267915 watts	88.9 m	0.789385 km	free
173	-28.0	Interpolated	-48.9691	0.01267915 watts	86.9 m	0.789385 km	free
174	-28.0	Interpolated	-48.9691	0.01267915 watts	85.8 m	0.789385 km	free
175	-28	Actual	-48.9691	0.01267915 watts	86.4 m	0.789385 km	free
176	-28.0	Interpolated	-48.9691	0.01267915 watts	88.3 m	0.789385 km	free
177	-28.0	Interpolated	-48.9691	0.01267915 watts	90.3 m	0.789385 km	free
178	-28.0	Interpolated	-48.9691	0.01267915 watts	91.7 m	0.789385 km	free
179	-28.0	Interpolated	-48.9691	0.01267915 watts	91.8 m	0.789385 km	free
180	-28	Actual	-48.9691	0.01267915 watts	91.9 m	0.789385 km	free