

AZIMUTH PATTERN INFORMATION

Customer: Island Broadcast Services

Model: Prostar Slot

Type: Peanut

Channel: Single Channel

Notes: Horizontally Polarized, UHF Slot Antenna



**PEANUT
UHF SLOT ANTENNA
ANTENNA PATTERN TABULATION**

0 DEGREES = TRUE NORTH

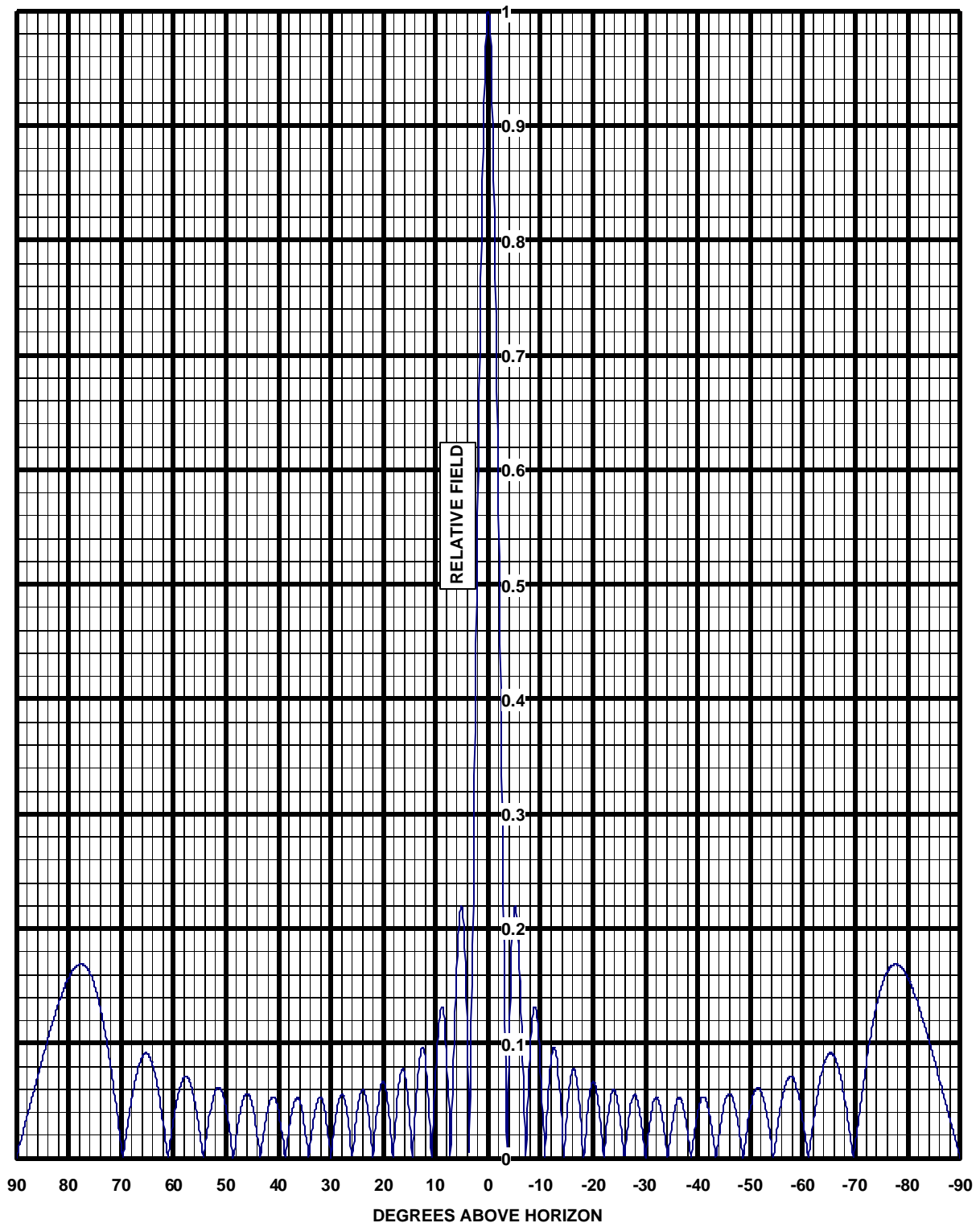
AZIMUTH	FIELD	dB
0	0.74	-2.62
10	0.75	-2.50
20	0.80	-1.94
30	0.85	-1.41
40	0.90	-0.92
50	0.96	-0.35
60	1.00	0.00
70	1.00	0.00
80	0.96	-0.35
90	0.90	-0.92
100	0.80	-1.94
110	0.65	-3.74
120	0.52	-5.68
130	0.36	-8.87
140	0.24	-12.40
150	0.20	-13.98
160	0.21	-13.56
170	0.23	-12.77
180	0.24	-12.40
190	0.23	-12.77
200	0.21	-13.56
210	0.20	-13.98
220	0.24	-12.40
230	0.36	-8.87
240	0.52	-5.68
250	0.65	-3.74
260	0.80	-1.94
270	0.90	-0.92
280	0.96	-0.35
290	1.00	0.00
300	1.00	0.00
310	0.96	-0.35
320	0.90	-0.92
330	0.85	-1.41
340	0.80	-1.94
350	0.75	-2.50



6340 Sky Creek Drive
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Telephone (916) 383-1177
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COMPUTED ELEVATION PATTERN



Customer: Island Broadcast Services

Channel: 46

Model: JA/MS-16/46
Description: UHF Slot Antenna
-0° Beam Tilt, 0% Null Fill



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Elevation Pattern Tabulation

ELEVATION PATTERN TABULATION

RELATIVE FIELD VS ELEVATION ANGLE

<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>	<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>	<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>
10	0.076	-26	0.003	-61	0.002
9	0.131	-27	0.041	-62	0.032
8	0.096	-28	0.055	-63	0.061
7	0.026	-29	0.038	-64	0.082
6	0.165	-30	0.000	-65	0.091
5	0.218	-31	0.037	-66	0.088
4	0.102	-32	0.053	-67	0.075
3	0.186	-33	0.041	-68	0.051
2	0.561	-34	0.009	-69	0.021
1	0.877	-35	0.028	-70	0.012
0	1.000	-36	0.050	-71	0.047
-1	0.877	-37	0.048	-72	0.079
-2	0.561	-38	0.024	-73	0.108
-3	0.186	-39	0.011	-74	0.132
-4	0.102	-40	0.041	-75	0.150
-5	0.218	-41	0.053	-76	0.162
-6	0.165	-42	0.043	-77	0.168
-7	0.026	-43	0.015	-78	0.169
-8	0.096	-44	0.019	-79	0.165
-9	0.131	-45	0.046	-80	0.157
-10	0.076	-46	0.056	-81	0.147
-11	0.018	-47	0.046	-82	0.134
-12	0.086	-48	0.020	-83	0.119
-13	0.089	-49	0.014	-84	0.103
-14	0.035	-50	0.043	-85	0.087
-15	0.036	-51	0.060	-86	0.070
-16	0.076	-52	0.059	-87	0.052
-17	0.064	-53	0.041	-88	0.035
-18	0.013	-54	0.011	-89	0.017
-19	0.042	-55	0.022	-90	0.000
-20	0.067	-56	0.050		
-21	0.048	-57	0.068		
-22	0.001	-58	0.070		
-23	0.043	-59	0.058		
-24	0.060	-60	0.033		
-25	0.040				

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