

## AZIMUTH PATTERN INFORMATION

Customer: WVSN-DT

Model: JA/MS-AW-12

Notes: Horizontally Polarized, UHF Slot Antenna

CH 23 (524-530 MHz)  
Channel: ~~49 (680-686 MHz)~~

Pattern: Cardioid

**PATTERN # 37 - "A" Wide Cardioid (AW)**  
**SLOT ANTENNA PATTERN TABULATION**

**0 DEGREES = TRUE NORTH**

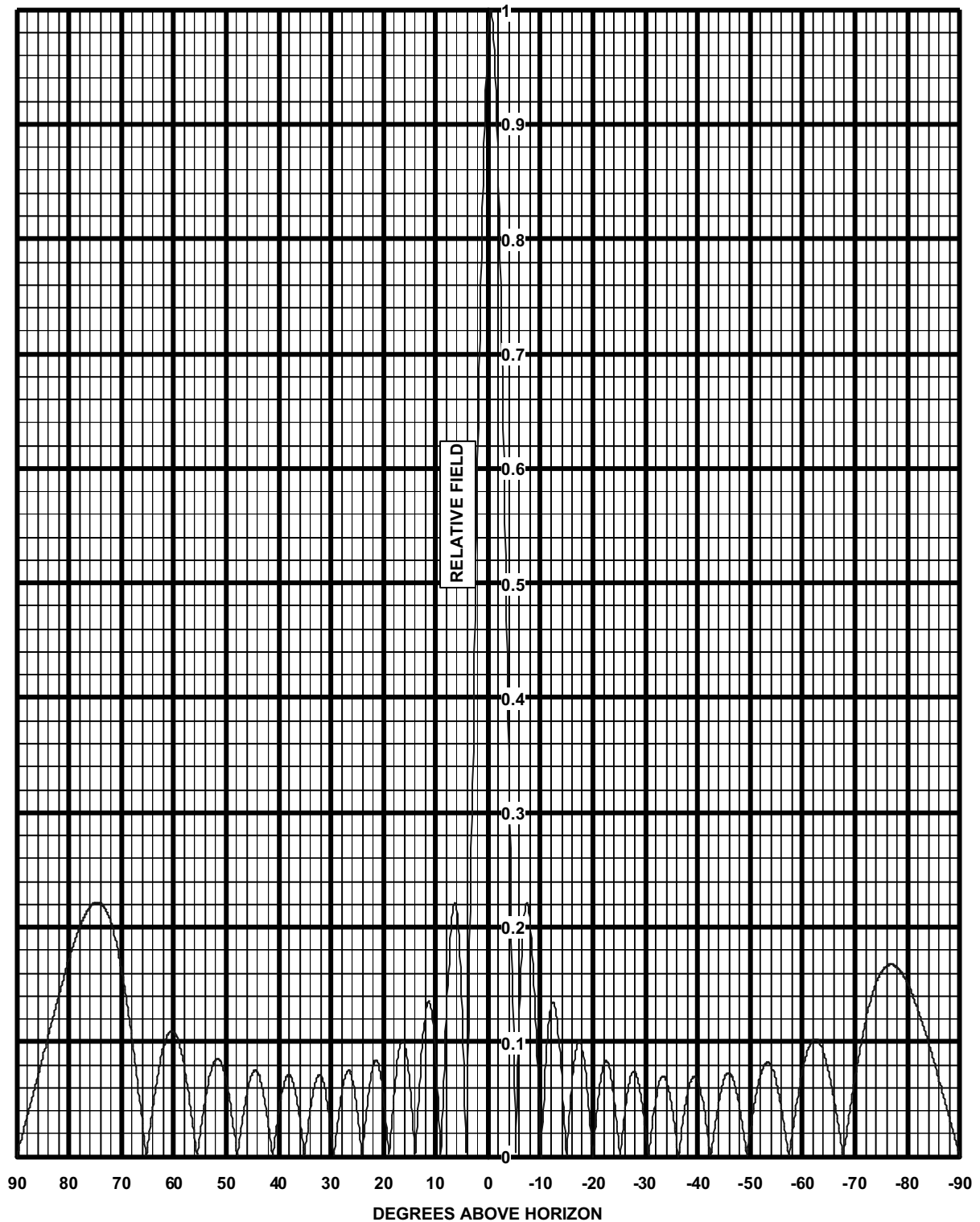
<u>AZIMUTH</u>	<u>FIELD</u>	<u>dB</u>
0	1.000	0.00
10	0.985	-0.13
20	0.951	-0.44
30	0.925	-0.68
40	0.929	-0.64
50	0.959	-0.36
60	0.990	-0.09
70	0.997	-0.03
80	0.975	-0.22
90	0.922	-0.71
100	0.845	-1.46
110	0.758	-2.41
120	0.680	-3.35
130	0.605	-4.36
140	0.510	-5.85
150	0.397	-8.02
160	0.302	-10.40
170	0.253	-11.94
180	0.241	-12.36
190	0.253	-11.94
200	0.302	-10.40
210	0.397	-8.02
220	0.510	-5.85
230	0.605	-4.36
240	0.680	-3.35
250	0.758	-2.41
260	0.845	-1.46
270	0.922	-0.71
280	0.975	-0.22
290	0.997	-0.03
300	0.990	-0.09
310	0.959	-0.36
320	0.929	-0.64
330	0.925	-0.68
340	0.951	-0.44
350	0.985	-0.13



6340 Sky Creek Drive  
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COMPUTED ELEVATION PATTERN



Customer: WVSN-DT  
Site: Puerto Rico

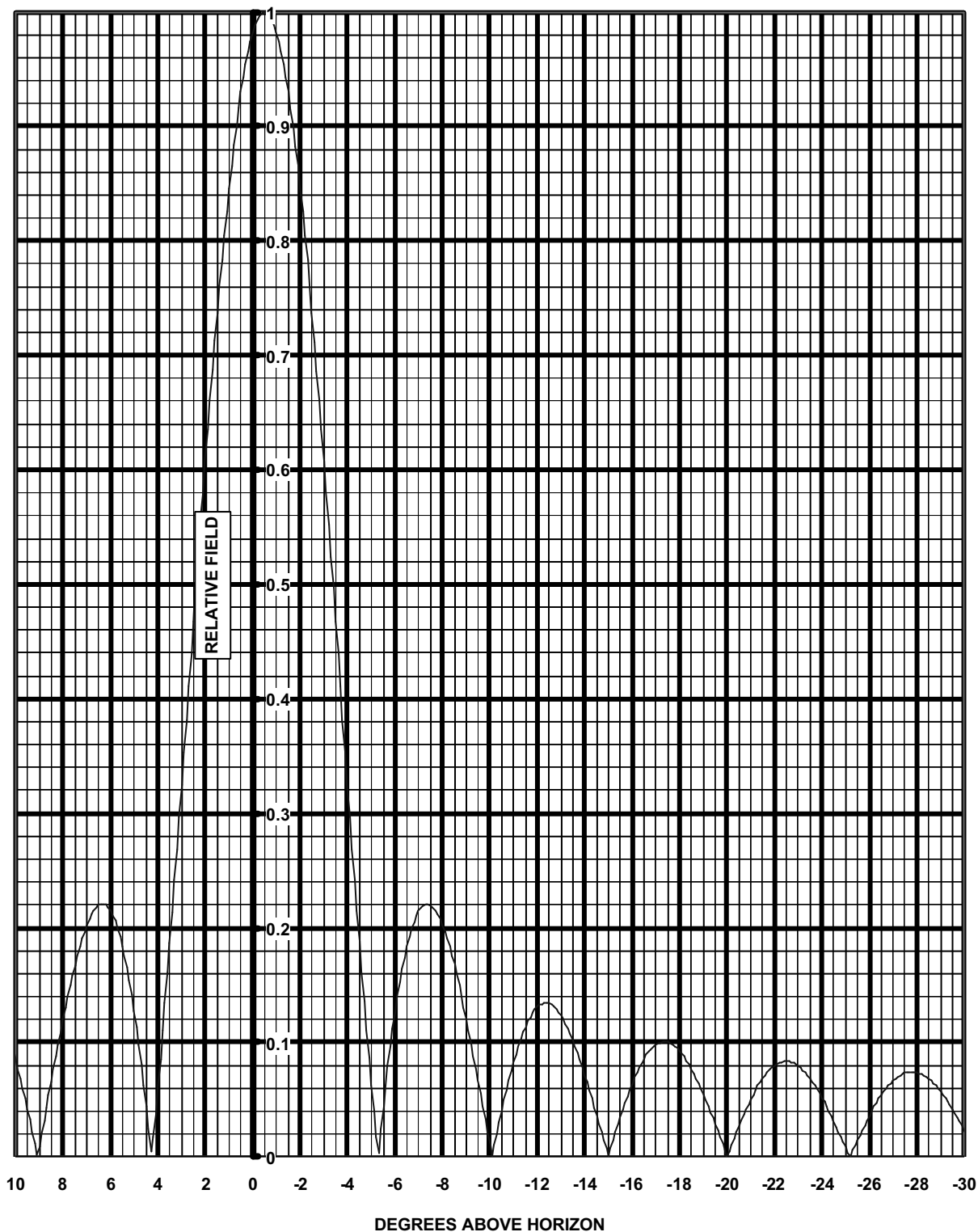
Model: JA/MS-AL-12  
Description: UHF Slot Antenna  
-0.50 ° Beam Tilt, 0% Null Fill



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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	0.085	-26	0.036	-61	0.093
9	0.009	-27	0.066	-62	0.102
8	0.120	-28	0.074	-63	0.101
7	0.203	-29	0.057	-64	0.091
6	0.215	-30	0.023	-65	0.073
5	0.127	-31	0.017	-66	0.050
4	0.062	-32	0.051	-67	0.022
3	0.325	-33	0.069	-68	0.008
2	0.608	-34	0.066	-69	0.039
1	0.846	-35	0.045	-70	0.068
0	0.982	-36	0.011	-71	0.095
-1	0.982	-37	0.025	-72	0.118
-2	0.846	-38	0.054	-73	0.137
-3	0.608	-39	0.069	-74	0.151
-4	0.325	-40	0.066	-75	0.161
-5	0.063	-41	0.047	-76	0.166
-6	0.127	-42	0.017	-77	0.167
-7	0.214	-43	0.018	-78	0.165
-8	0.203	-44	0.048	-79	0.160
-9	0.121	-45	0.068	-80	0.151
-10	0.011	-46	0.073	-81	0.141
-11	0.083	-47	0.064	-82	0.128
-12	0.131	-48	0.042	-83	0.115
-13	0.124	-49	0.012	-84	0.100
-14	0.072	-50	0.021	-85	0.084
-15	0.000	-51	0.050	-86	0.068
-16	0.064	-52	0.072	-87	0.051
-17	0.098	-53	0.082	-88	0.034
-18	0.093	-54	0.079	-89	0.017
-19	0.055	-55	0.065	-90	0.000
-20	0.000	-56	0.041		
-21	0.050	-57	0.011		
-22	0.080	-58	0.020		
-23	0.079	-59	0.050		
-24	0.052	-60	0.076		
-25	0.008				

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