

Elevation Plane Pattern

Customer: KBSV-TV

Date: July 14, 2005

Frequency 476-482 MHz

Type Number: JA/LS-AK-12

Polarization Horizontal



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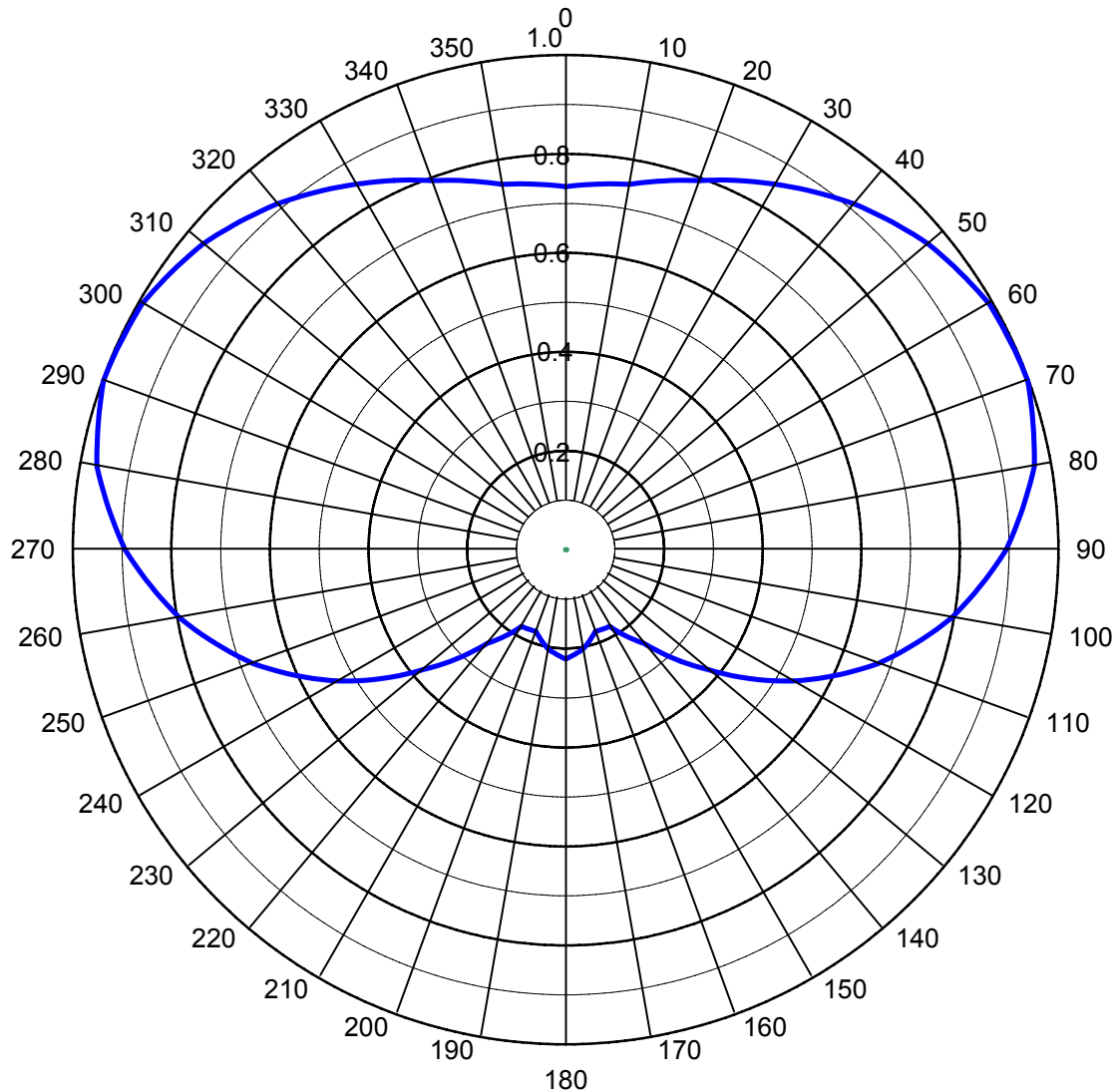
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Elevation Pattern Tabulation of Relative Field

<u>Elevation</u> <u>angle</u>	<u>H-pol</u>	<u>Elevation</u> <u>angle</u>	<u>H-pol</u>	<u>Elevation</u> <u>angle</u>	<u>H-pol</u>
10	0.082	-24	0.090	-58	0.015
9	0.019	-25	0.058	-59	0.034
8	0.131	-26	0.060	-60	0.050
7	0.227	-27	0.085	-61	0.062
6	0.258	-28	0.098	-62	0.068
5	0.193	-29	0.087	-63	0.069
4	0.052	-30	0.058	-64	0.064
3	0.248	-31	0.026	-65	0.055
2	0.536	-32	0.035	-66	0.043
1	0.794	-33	0.059	-67	0.029
0	0.960	-34	0.068	-68	0.015
-1	0.995	-35	0.060	-69	0.012
-2	0.893	-36	0.041	-70	0.024
-3	0.682	-37	0.028	-71	0.037
-4	0.421	-38	0.040	-72	0.050
-5	0.192	-39	0.055	-73	0.060
-6	0.143	-40	0.060	-74	0.068
-7	0.201	-41	0.054	-75	0.073
-8	0.197	-42	0.039	-76	0.077
-9	0.141	-43	0.019	-77	0.078
-10	0.113	-44	0.010	-78	0.077
-11	0.157	-45	0.023	-79	0.075
-12	0.192	-46	0.032	-80	0.071
-13	0.179	-47	0.033	-81	0.067
-14	0.125	-48	0.029	-82	0.061
-15	0.062	-49	0.028	-83	0.054
-16	0.066	-50	0.034	-84	0.047
-17	0.101	-51	0.044	-85	0.040
-18	0.110	-52	0.053	-86	0.032
-19	0.098	-53	0.056	-87	0.024
-20	0.094	-54	0.052	-88	0.016
-21	0.111	-55	0.041	-89	0.008
-22	0.125	-56	0.025	-90	0.000
-23	0.119	-57	0.007		



Azimuth Pattern



FCC AZIMUTH PATTERN LIMITS

Customer: Rich Green Location:
Freq: 476-482 MHz. / Channel 15
Gain: 24.27x / 13.85 dBd

November 5, 2004
Antenna: JA/LS-AK-12
Shown in REL Fieldplot



Tabulation

AZ	FI	AZ	FI
0	0.734	180	0.221
10	0.75	190	0.204
20	0.794	200	0.176
30	0.853	210	0.179
40	0.912	220	0.247
50	0.961	230	0.377
60	0.993	240	0.531
70	0.998	250	0.674
80	0.966	260	0.795
90	0.894	270	0.894
100	0.795	280	0.966
110	0.674	290	0.998
120	0.531	300	0.993
130	0.377	310	0.961
140	0.247	320	0.912
150	0.179	330	0.853
160	0.176	340	0.794
170	0.204	350	0.75

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