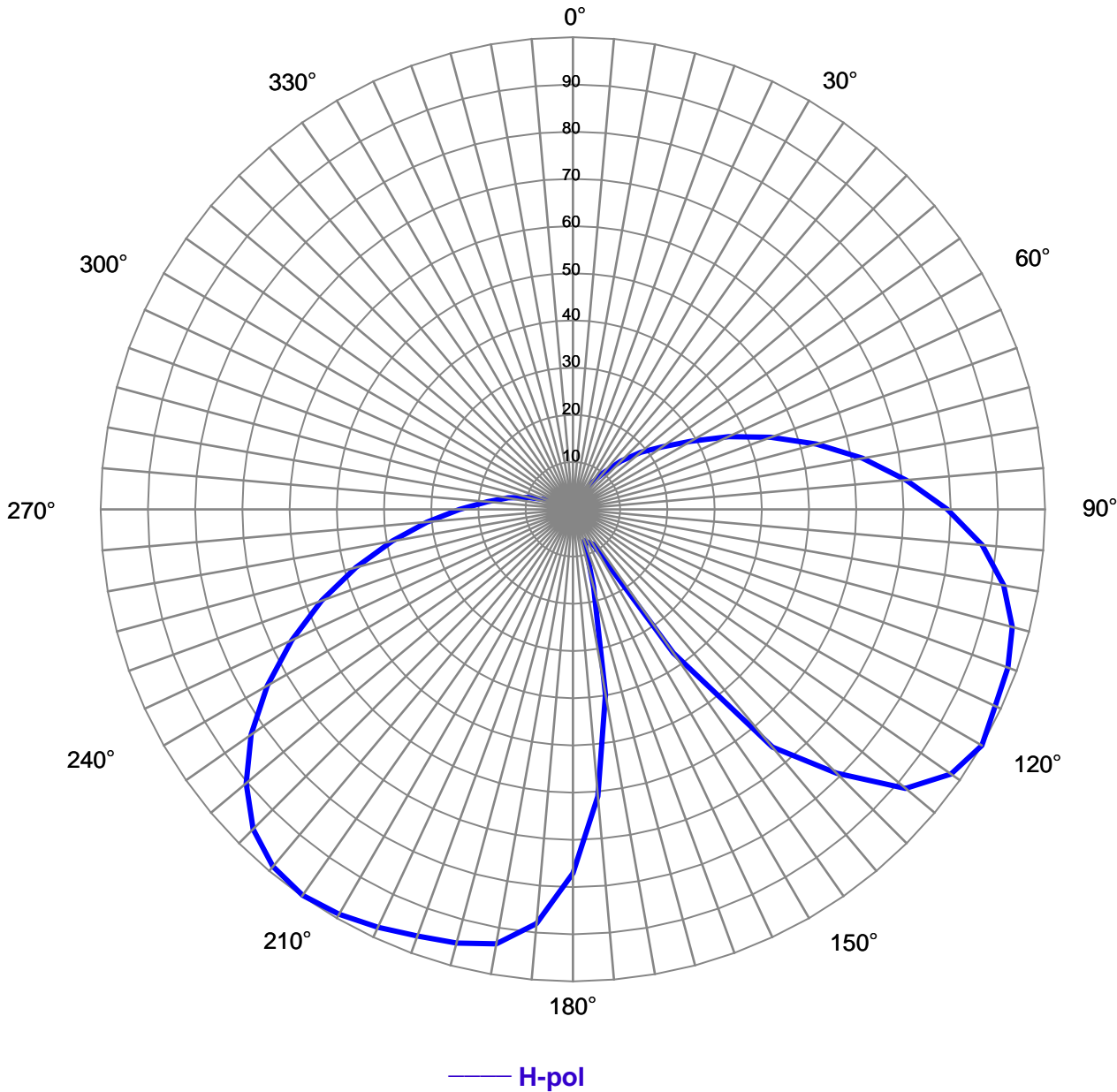


FIGURE 2 KAVC-LD  
DIRECTIONAL ANTENNA  
RELATIVE FIELD TABULATION &  
GRAPHICAL PLOT



Relative Field  
Azimuth Plane Pattern

PATTERN SHOWN IS NOT  
ROTATED



Pattern Type:	Relative Field	Type:	UHF Offset Panels
Antenna Model:	PSIUP2PN-27 Custom	Orientation:	110/205 Degrees
Polarization:	Horizontal	Configuration:	2-Bay/4-Panel reduced rear
Gain:	11.70 (10.68 dB)	Reference:	KAVC-LD
Channel:	27	Date:	1/22/2024

## Azimuth Pattern Tabulation

Antenna: PSIUP2PN-27 Custom

Gain: 11.7 (10.68 dB)

Channel: 27

KAVC-LD

Angle	Relative Field	Power Gain	Gain dB	Angle	Relative Field	Power Gain	Gain dB
0	0.035	0.014	-18.49	180	0.771	6.951	8.42
5	0.032	0.012	-19.27	185	0.881	9.081	9.58
10	0.025	0.008	-21.22	190	0.935	10.220	10.09
15	0.018	0.004	-24.41	195	0.951	10.581	10.25
20	0.011	0.001	-28.33	200	0.962	10.823	10.34
25	0.017	0.003	-24.61	205	0.977	11.163	10.48
30	0.037	0.016	-18.05	210	0.990	11.476	10.60
35	0.066	0.051	-12.95	215	1.000	11.700	10.68
40	0.102	0.123	-9.11	220	0.988	11.416	10.58
45	0.144	0.244	-6.13	225	0.958	10.733	10.31
50	0.188	0.414	-3.83	230	0.903	9.540	9.80
55	0.231	0.622	-2.06	235	0.832	8.095	9.08
60	0.289	0.974	-0.11	240	0.747	6.536	8.15
65	0.364	1.552	1.91	245	0.657	5.053	7.04
70	0.446	2.331	3.68	250	0.566	3.751	5.74
75	0.534	3.339	5.24	255	0.475	2.642	4.22
80	0.623	4.544	6.57	260	0.388	1.763	2.46
85	0.709	5.881	7.69	265	0.310	1.126	0.51
90	0.793	7.361	8.67	270	0.240	0.673	-1.72
95	0.870	8.856	9.47	275	0.182	0.388	-4.12
100	0.927	10.045	10.02	280	0.139	0.226	-6.46
105	0.963	10.859	10.36	285	0.097	0.111	-9.55
110	0.980	11.246	10.51	290	0.059	0.041	-13.84
115	0.987	11.398	10.57	295	0.027	0.009	-20.63
120	1.000	11.700	10.68	300	0.012	0.002	-27.59
125	0.978	11.191	10.49	305	0.019	0.004	-23.83
130	0.920	9.903	9.96	310	0.029	0.010	-20.07
135	0.790	7.302	8.63	315	0.037	0.016	-18.05
140	0.658	5.066	7.05	320	0.042	0.021	-16.85
145	0.372	1.615	2.08	325	0.044	0.022	-16.49
150	0.085	0.085	-10.73	330	0.040	0.019	-17.28
155	0.078	0.070	-11.53	335	0.029	0.010	-19.95
160	0.070	0.057	-12.42	340	0.015	0.003	-25.80
165	0.170	0.337	-4.72	345	0.012	0.002	-27.73
170	0.398	1.855	2.68	350	0.023	0.006	-22.01
175	0.610	4.356	6.39	355	0.032	0.012	-19.11