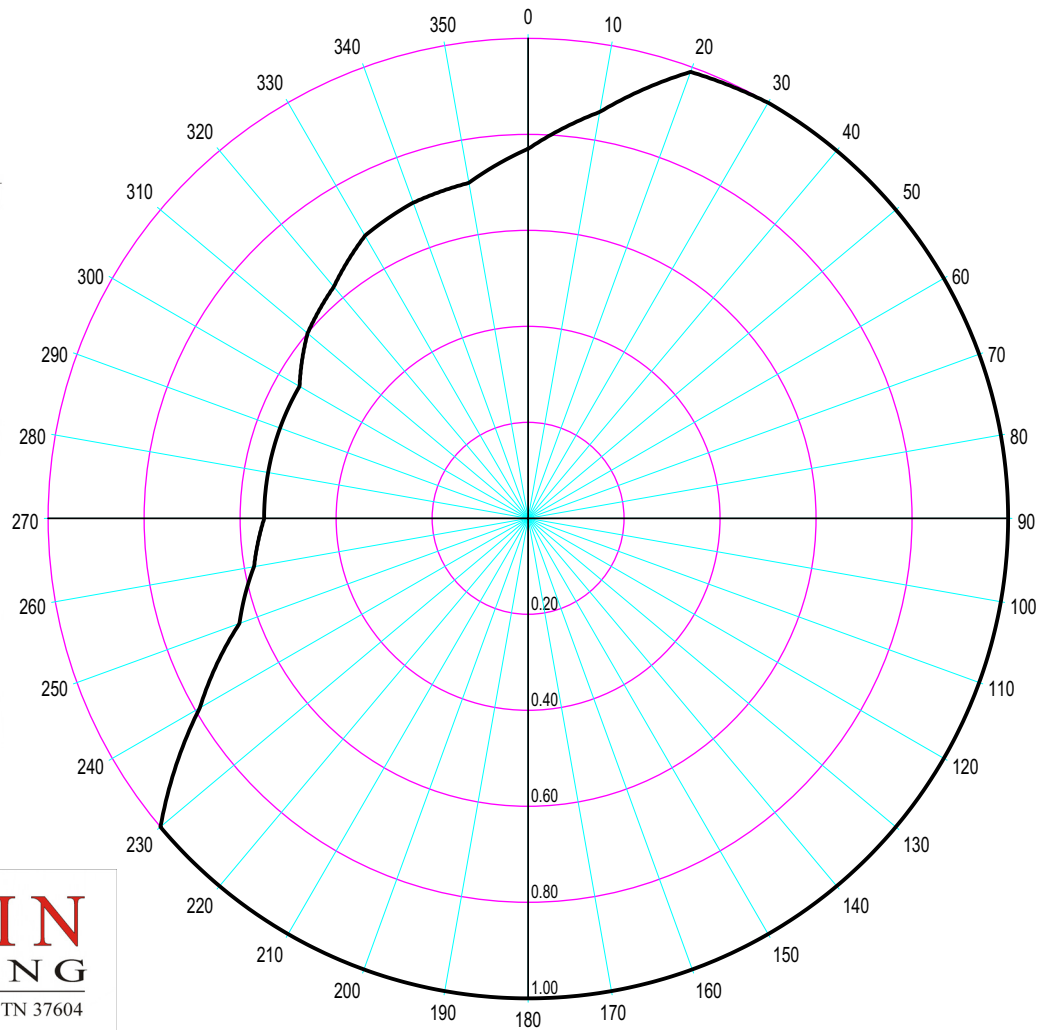


W222AN Directional Antenna Pattern

The proposed W222AN directional antenna pattern will be produced by adding parasitic elements to a Jampro “Penetrator” circularly polarized antenna bay.

Shown is the horizontal radiation pattern. The vertical pattern will not exceed the horizontal pattern.



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Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk
0.0	0.770	148.225	-8.291	90.0	1.000	250.000	-6.021	180.0	1.000	250.000	-6.021	270.0	0.550	75.625	-11.213
5.0	0.815	166.056	-7.797	95.0	1.000	250.000	-6.021	185.0	1.000	250.000	-6.021	275.0	0.550	75.625	-11.213
10.0	0.860	184.900	-7.331	100.0	1.000	250.000	-6.021	190.0	1.000	250.000	-6.021	280.0	0.550	75.625	-11.213
15.0	0.925	213.906	-6.698	105.0	1.000	250.000	-6.021	195.0	1.000	250.000	-6.021	285.0	0.550	75.625	-11.213
20.0	0.990	245.025	-6.108	110.0	1.000	250.000	-6.021	200.0	1.000	250.000	-6.021	290.0	0.550	75.625	-11.213
25.0	0.995	247.506	-6.064	115.0	1.000	250.000	-6.021	205.0	1.000	250.000	-6.021	295.0	0.550	75.625	-11.213
30.0	1.000	250.000	-6.021	120.0	1.000	250.000	-6.021	210.0	1.000	250.000	-6.021	300.0	0.550	75.625	-11.213
35.0	1.000	250.000	-6.021	125.0	1.000	250.000	-6.021	215.0	1.000	250.000	-6.021	305.0	0.575	82.656	-10.827
40.0	1.000	250.000	-6.021	130.0	1.000	250.000	-6.021	220.0	1.000	250.000	-6.021	310.0	0.600	90.000	-10.458
45.0	1.000	250.000	-6.021	135.0	1.000	250.000	-6.021	225.0	1.000	250.000	-6.021	315.0	0.615	94.556	-10.243
50.0	1.000	250.000	-6.021	140.0	1.000	250.000	-6.021	230.0	1.000	250.000	-6.021	320.0	0.630	99.225	-10.034
55.0	1.000	250.000	-6.021	145.0	1.000	250.000	-6.021	235.0	0.895	200.256	-6.984	325.0	0.655	107.256	-9.696
60.0	1.000	250.000	-6.021	150.0	1.000	250.000	-6.021	240.0	0.790	156.025	-8.068	330.0	0.680	115.600	-9.370
65.0	1.000	250.000	-6.021	155.0	1.000	250.000	-6.021	245.0	0.715	127.806	-8.934	335.0	0.690	119.025	-9.244
70.0	1.000	250.000	-6.021	160.0	1.000	250.000	-6.021	250.0	0.640	102.400	-9.897	340.0	0.700	122.500	-9.119
75.0	1.000	250.000	-6.021	165.0	1.000	250.000	-6.021	255.0	0.610	93.025	-10.314	345.0	0.705	124.256	-9.057
80.0	1.000	250.000	-6.021	170.0	1.000	250.000	-6.021	260.0	0.580	84.100	-10.752	350.0	0.710	126.025	-8.995
85.0	1.000	250.000	-6.021	175.0	1.000	250.000	-6.021	265.0	0.565	79.806	-10.980	355.0	0.740	136.900	-8.636