

# Antenna Data – 922 San Pedro Ave – San Antonio, TX

Shively 6812 – 1 Bay

Power – 50 W

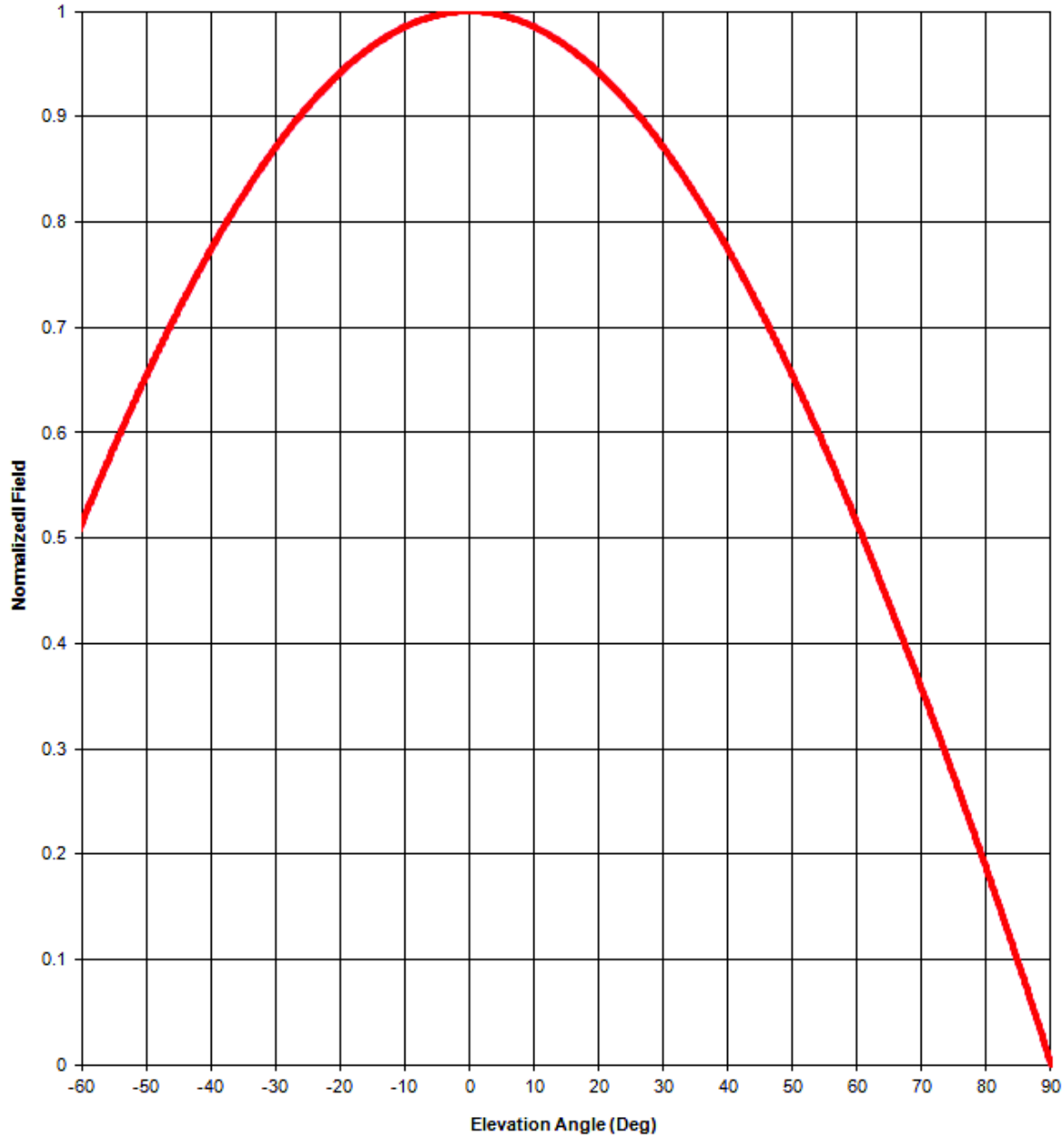
Height – 15.5 m

Contour – 127

depression angle below horizon	relative field	db from relative	ERP	angular distance to contour	vertical distance	horizontal distance	clearance above ground	height above ground	interfering V/m	interfering dbu
0	1.000	0.00	50.00	22.141	0.000	22.141	15.500	15.5	2.239	127
5	0.996	-0.03	49.60	22.053	1.922	21.969	13.578	15.5	2.239	127
10	0.985	-0.13	48.51	21.809	3.787	21.478	11.713	15.5	2.239	127
15	0.967	-0.29	46.75	21.411	5.541	20.681	9.959	15.5	2.239	127
20	0.942	-0.52	44.37	20.857	7.134	19.599	8.366	15.5	2.239	127
25	0.910	-0.82	41.41	20.149	8.515	18.261	6.985	15.5	2.239	127
30	0.871	-1.20	37.93	19.285	9.643	16.701	5.857	15.5	2.239	127
35	0.826	-1.66	34.11	18.289	10.490	14.981	5.010	15.5	2.239	127
40	0.774	-2.23	29.95	17.137	11.016	13.128	4.484	15.5	2.239	127
45	0.717	-2.89	25.70	15.875	11.226	11.226	4.274	15.5	2.239	127
50	0.654	-3.69	21.39	14.480	11.093	9.308	4.407	15.5	2.239	127
55	0.586	-4.64	17.17	12.975	10.628	7.442	4.872	15.5	2.239	127
60	0.514	-5.78	13.21	11.381	9.856	5.690	5.644	15.5	2.239	127
65	0.437	-7.19	9.55	9.676	8.769	4.089	6.731	15.5	2.239	127
70	0.357	-8.95	6.37	7.904	7.428	2.703	8.072	15.5	2.239	127
75	0.273	-11.28	3.73	6.045	5.839	1.564	9.661	15.5	2.239	127
80	0.186	-14.61	1.73	4.118	4.056	0.715	11.444	15.5	2.239	127
85	0.096	-20.35	0.46	2.126	2.117	0.185	13.383	15.5	2.239	127
90	0.001	-60.00	0.00	0.022	0.022	0.000	15.478	15.5	2.239	127



## Elevation pattern



Antenna model: 6812b, single bay

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
0.46	-3.39 dB

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Degrees	Rel. Field
1	1.000
2	0.999
3	0.999
4	0.998
5	0.996
6	0.995
7	0.993
8	0.991
9	0.988
10	0.985
11	0.982
12	0.979
13	0.975
14	0.971
15	0.967
16	0.963
17	0.958
18	0.953

Degrees	Rel. Field
19	0.948
20	0.942
21	0.936
22	0.930
23	0.924
24	0.917
25	0.910
26	0.903
27	0.895
28	0.887
29	0.879
30	0.871
31	0.862
32	0.854
33	0.845
34	0.835
35	0.826
36	0.816

Degrees	Rel. Field
37	0.806
38	0.796
39	0.785
40	0.774
41	0.763
42	0.752
43	0.741
44	0.729
45	0.717
46	0.705
47	0.693
48	0.680
49	0.667
50	0.654
51	0.641
52	0.628
53	0.614
54	0.600

Degrees	Rel. Field
55	0.586
56	0.572
57	0.558
58	0.544
59	0.529
60	0.514
61	0.499
62	0.484
63	0.469
64	0.453
65	0.437
66	0.422
67	0.406
68	0.390
69	0.373
70	0.357
71	0.341
72	0.324

Degrees	Rel. Field
73	0.307
74	0.290
75	0.273
76	0.256
77	0.239
78	0.221
79	0.204
80	0.186
81	0.168
82	0.151
83	0.133
84	0.114
85	0.096
86	0.078
87	0.059
88	0.040
89	0.021
90	0.000

## Elevation Pattern Tabulation

Antenna model: 6812b, single bay

Relative Field at 0° Depression = 1.000





# Antenna Structure Registration

[FCC](#) > [WTB](#) > [ASR](#) > [Online Systems](#) > TOWAIR

[FCC Site Map](#)

## TOWAIR Determination Results

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TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results	
<b>Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.</b>	
Your Specifications	
NAD83 Coordinates	
Latitude	29-26-33.4 north
Longitude	098-29-57.0 west
Measurements (Meters)	
Overall Structure Height (AGL)	18
Support Structure Height (AGL)	6
Site Elevation (AMSL)	204.9
Structure Type	
POLE - Any type of Pole	

### [Tower Construction Notifications](#)

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

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