

SHI 6832-2 2 Bay Standard 98" Bay Spaced Antenna

Depression Angle from Antenna	Antenna Relative Field	ERP Watts	ERP dBk	Distance to Ground from Antenna (m)	Free Space Signal (dBu)	dB Loss for Reflection	Signal Strength at Ground (dBu)	Circular Distance From Tower (m)	Distance to Contour using Free Space (m)	Height of Contour above Ground (m)
90	0.000	0.000	-87.70	34.00	48.59	0	48.59	0.00	0.01	33.99
85	0.040	0.272	-35.65	34.13	100.60	0	100.60	2.97	3.60	30.41
80	0.074	0.931	-30.31	34.52	105.85	0	105.85	6.00	6.66	27.44
75	0.099	1.666	-27.78	35.20	108.21	0	108.21	9.11	8.91	25.39
70	0.112	2.132	-26.71	36.18	109.04	0	109.04	12.37	10.08	24.53
65	0.109	2.020	-26.95	37.51	108.49	0	108.49	15.85	9.81	25.11
60	0.087	1.287	-28.91	39.26	106.14	0	106.14	19.63	7.83	27.22
55	0.045	0.344	-34.63	41.51	99.93	0	99.93	23.81	4.05	30.68
50	0.020	0.068	-41.67	44.38	92.30	0	92.30	28.53	1.80	32.62
45	0.107	1.946	-27.11	48.08	106.17	0	106.17	34.00	9.63	27.19
40	0.213	7.713	-21.13	52.89	111.32	0	111.32	40.52	19.17	21.68
35	0.335	19.078	-17.19	59.28	114.27	0	114.27	48.56	30.15	16.71
30	0.467	37.075	-14.31	68.00	115.96	0	115.96	58.89	42.03	12.99
25	0.601	61.404	-12.12	80.45	116.69	0	116.69	72.91	54.09	11.14
20	0.728	90.097	-10.45	99.41	116.52	0	116.52	93.41	65.52	11.59
15	0.839	119.667	-9.22	131.37	115.33	0	115.33	126.89	75.51	14.46
10	0.926	145.771	-8.36	195.80	112.72	0	112.72	192.82	83.34	19.53
5	0.981	163.601	-7.86	390.11	107.23	0	107.23	388.62	88.29	26.31

Distance to Ground Level assumes flat ground or a site where the site level is above average terrain in all azimuths.

Maximum ERP	170	watts	Max dBu at Ground Level	116.69	Lowest Height of Contour (m)	11.14
Radiation Center AG	34	m				
Radiation Center AG	112	ft.				
Maximum ERP	-7.70	dBk				
Protected dBu	80.14	dBu				
Interfering dBu	120.1	dBu				
Free Space Distance	90.00	m				