

Power Density Calc.		Station:	WTPM-FM-1	RC Hght (feet):	30	SITE:		Near Rodadero, Yauco	Ant. G (X)	5.0
RCAGL (m)	9.1	ERP (kW):	(Lin.=1, Circ.=2):	Avg. Pwr. (kW):		2.8	Max. RF-uW	Max. %	ERP (W)	ANT. IN (W)
		2.8	1	TV Channel:		6	192.72	96.4%	2,800	560
		Ant. Polariz.		Freq. (MHz)		92.9	ANTENA:		Line Eff (%)	90.4%
		(Sng=1, Cir=2) :		MPE (uW/cm^2)		200.00	SCALA CL-FM Vpol		TPO (W):	619
		Ant. =>	Scala CL-FM	Max. RF % =		96.4%				
Depression Angle	Vertical Relative Field		Max. RF =	192.72						
				uW/sq.cm	R-dist (m)	X-dist. (m)	% of Max.	X-dist. (feet)		
1	0.996			0.55	409.3	409.3	0.3	1,342.8		
2	0.992			2.20	204.7	204.6	1.1	671.2		
3	0.988			4.90	136.5	136.3	2.4	447.2		
4	0.984			8.63	102.4	102.2	4.3	335.2		
5	0.980			13.37	82.0	81.7	6.7	267.9		
5	0.980			13.37	82.0	81.7	6.7	267.9		
6	0.974			18.99	68.3	68.0	9.5	223.0		
7	0.968			25.50	58.6	58.2	12.8	190.9		
8	0.962			32.84	51.3	50.8	16.4	166.8		
9	0.956			40.98	45.7	45.1	20.5	148.0		
10	0.950			49.86	41.1	40.5	24.9	132.9		
10	0.950			49.86	41.1	40.5	24.9	132.9		
11	0.939			58.82	37.4	36.8	29.4	120.6		
12	0.928			68.21	34.4	33.6	34.1	110.3		
13	0.917			77.97	31.8	30.9	39.0	101.5		
14	0.906			88.03	29.5	28.7	44.0	94.0		
15	0.895			98.32	27.6	26.7	49.2	87.5		
15	0.895			98.32	27.6	26.7	49.2	87.5		
16	0.880			107.81	25.9	24.9	53.9	81.7		
17	0.865			117.20	24.4	23.4	58.6	76.7		
18	0.850			126.42	23.1	22.0	63.2	72.1		
19	0.835			135.41	21.9	20.7	67.7	68.1		
20	0.820			144.12	20.9	19.6	72.1	64.4		
20	0.820			144.12	20.9	19.6	72.1	64.4		
21	0.803			151.74	19.9	18.6	75.9	61.1		
22	0.786			158.86	19.1	17.7	79.4	58.0		
23	0.769			165.43	18.3	16.8	82.7	55.2		
24	0.752			171.42	17.6	16.0	85.7	52.6		
25	0.735			176.80	16.9	15.3	88.4	50.3		
25	0.735			176.80	16.9	15.3	88.4	50.3		
26	0.717			181.02	16.3	14.6	90.5	48.1		
27	0.699			184.53	15.7	14.0	92.3	46.0		
28	0.681			187.29	15.2	13.4	93.6	44.1		
29	0.663			189.31	14.7	12.9	94.7	42.3		
30	0.645			190.58	14.3	12.4	95.3	40.6		
30	0.645			190.58	14.3	12.4	95.3	40.6		
31	0.628			191.69	13.9	11.9	95.8	39.0		
32	0.612			192.72	13.48	11.43	96.36	37.51	Max. RF Field at 2 mts AGL	
33	0.595			192.42	13.1	11.0	96.2	36.1		
34	0.579			192.08	12.8	10.6	96.0	34.7		
35	0.562			190.40	12.5	10.2	95.2	33.5		
35	0.562			190.40	12.5	10.2	95.2	33.5		
36	0.544			187.35	12.2	9.8	93.7	32.3		
37	0.525			182.92	11.9	9.5	91.5	31.1		
38	0.507			178.53	11.6	9.1	89.3	30.0		
39	0.488			172.82	11.4	8.8	86.4	28.9		
40	0.470			167.24	11.1	8.5	83.6	27.9		
40	0.470			167.24	11.1	8.5	83.6	27.9		
41	0.448			158.29	10.9	8.2	79.1	27.0		
42	0.426			148.88	10.7	7.9	74.4	26.0		
43	0.404			139.10	10.5	7.7	69.6	25.1		
44	0.382			129.03	10.3	7.4	64.5	24.3		
45	0.360			118.74	10.1	7.1	59.4	23.4		
45	0.360			118.74	10.1	7.1	59.4	23.4		
46	0.338			108.32	9.9	6.9	54.2	22.6		
47	0.316			97.87	9.8	6.7	48.9	21.9		
48	0.294			87.47	9.6	6.4	43.7	21.1		
49	0.272			77.22	9.5	6.2	38.6	20.4		
50	0.250			67.20	9.3	6.0	33.6	19.7		
50	0.250			67.20	9.3	6.0	33.6	19.7		
51	0.231			59.05	9.2	5.8	29.5	19.0		
52	0.212			51.14	9.1	5.6	25.6	18.3		
53	0.193			43.53	8.9	5.4	21.8	17.7		
54	0.174			36.31	8.8	5.2	18.2	17.0	Fence Min. Hor. Dist from Twr.	
55	0.155			29.54	8.7	5.0	14.8	16.4		
55	0.155			29.54	8.7	5.0	14.8	16.4		
56	0.141			25.04	8.6	4.8	12.5	15.8		
57	0.127			20.79	8.5	4.6	10.4	15.2		
58	0.113			16.83	8.4	4.5	8.4	14.6		
59	0.099			13.20	8.3	4.3	6.6	14.1		
60	0.085			9.93	8.2	4.1	5.0	13.5		
60	0.085			9.93	8.2	4.1	5.0	13.5		
61	0.077			8.31	8.2	4.0	4.2	13.0		
61	0.077			8.31	8.2	4.0	4.2	13.0		
62	0.069			6.80	8.1	3.8	3.4	12.5		
62	0.069			6.80	8.1	3.8	3.4	12.5		
63	0.061			5.41	8.0	3.6	2.7	11.9		
63	0.061			5.41	8.0	3.6	2.7	11.9		
64	0.053			4.16	7.9	3.5	2.1	11.4		
64	0.053			4.16	7.9	3.5	2.1	11.4		
65	0.045			3.05	7.9	3.3	1.5	10.9		
65	0.045			3.05	7.9	3.3	1.5	10.9		
70	0.020			0.65	7.6	2.6	0.3	8.5		
75	0.010			0.17	7.4	1.9	0.1	6.3		
80	0.010			0.18	7.3	1.3	0.1	4.1		
85	0.010			0.18	7.2	0.6	0.1	2.1		
90	0.010			0.18	7.1	0.0	0.1	0.0		