Exhibit 16-1
Site to Site RSS Calculations
KCTC-AM 1320 kHz West Sacramento, CA

Licensed

Point: KSDT Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KKSM	68.6	27.3	64.4	64.5	424.614	5.4808	5.4808
KFNZ	888.1	212.0	7.2	366.0	53.897	3.9452	6.7531
KYHN	2076.1	271.5	.0	1367.2	12.860	3.5162	7.6137
KCTC-L	**674.5**	**143.5**	**10.5**	**203.9**	**81.958**	**3.3429**	**8.3152**
KXYZ	2107.6	287.9	.0	1094.4	13.466	2.9474	8.8221
KWKW *	127.9	103.2	48.1	266.9	367.481	1.9617	
XESR	844.7	328.8	7.8	150.6	63.226	1.9048	
KOLT	1472.6	236.6	2.3	405.1	22.659	1.8359	

* - indicates an adjacent channel station.

Point: KKSM Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KCTC-L	**709.9**	**148.4**	**9.9**	**467.1**	**76.440**	**7.1405**	**7.1405**
KSDT	68.6	207.5	64.4	71.6	424.614	6.0823	9.3798
KFNZ	956.6	211.9	6.4	367.3	48.246	3.5441	10.0270
KYHN	2119.8	270.0	.0	1407.1	12.469	3.5092	10.6234
KXYZ	2133.3	286.2	.0	1094.3	13.252	2.9003	11.0122
KWKW *	130.2	134.0	47.6	283.8	364.117	2.0669	
XESR	813.8	324.6	8.2	150.4	67.107	2.0188	
KOLT	1536.8	235.6	1.9	413.3	21.172	1.7499	

* - indicates an adjacent channel station.

Point: PORTERV Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	800.5	233.1	8.4	748.5	62.192	9.3105	9.3105
KSDT	321.0	324.9	23.4	217.7	199.816	8.7018	12.7439
KCTC-L	**353.7**	**144.6**	**21.3**	**171.4**	**181.470**	**6.2217**	**14.1816**
KKSM	357.8	334.5	21.1	137.9	178.793	4.9294	15.0139
KYHN	2223.2	279.2	.0	1120.4	10.849	2.4310	
KXYZ	2331.9	294.0	.0	1083.7	10.849	2.3514	
KXRO	1270.3	160.2	3.6	319.7	27.894	1.7835	

Proposed

Point: KSDT Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KKSM	68.6	27.3	64.4	64.5	424.614	5.4808	5.4808
KFNZ	888.1	212.0	7.2	366.0	53.897	3.9452	6.7531
KYHN	2076.1	271.5	.0	1367.2	12.860	3.5162	7.6137
KCTC-A	**679.6**	**141.7**	**10.4**	**192.0**	**81.124**	**3.1147**	**8.2261**
KXYZ	2107.6	287.9	.0	1094.4	13.466	2.9474	8.7382
KWKW *	127.9	103.2	48.1	266.9	367.481	1.9617	
XESR	844.7	328.8	7.8	150.6	63.226	1.9048	
KOLT	1472.6	236.6	2.3	405.1	22.659	1.8359	

* - indicates an adjacent channel station.

Point: KKSM Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSDT	68.6	207.5	64.4	71.6	424.614	6.0823	6.0823
KFNZ	956.6	211.9	6.4	367.3	48.246	3.5441	7.0395
KYHN	2119.8	270.0	.0	1407.1	12.469	3.5092	7.8657
KXYZ	2133.3	286.2	.0	1094.3	13.252	2.9003	8.3834
KCTC-A	**713.2**	**146.6**	**9.8**	**189.4**	**75.958**	**2.8777**	**8.8635**
KWKW *	130.2	134.0	47.6	283.8	364.117	2.0669	
XESR	813.8	324.6	8.2	150.4	67.107	2.0188	
KOLT	1536.8	235.6	1.9	413.3	21.172	1.7499	

* - indicates an adjacent channel station.

Point: PORTERV Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	800.5	233.1	8.4	748.5	62.192	9.3105	9.3105
KSDT	321.0	324.9	23.4	217.7	199.816	8.7018	12.7439
KCTC-A	**358.7**	**141.2**	**21.1**	**157.5**	**178.764**	**5.6306**	**13.9324**
KKSM	357.8	334.5	21.1	137.9	178.793	4.9294	14.7787
KYHN	2223.2	279.2	.0	1120.4	10.849	2.4310	
KXYZ	2331.9	294.0	.0	1083.7	10.849	2.3514	
KXRO	1270.3	160.2	3.6	319.7	27.894	1.7835	

Point: KSDT Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KKSM		91.1	9.0	57.5	83.2	404.707	6.7341	6.7341
KFNZ		871.3	213.9	7.4	405.5	55.400	4.4929	8.0953
KSDT		33.8	329.5	76.7	49.9	449.125	4.4838	9.2541
KYHN		2087.3	272.4	.0	1341.7	12.679	3.4023	9.8597
KCTC-L		**640.7**	**143.4**	**11.2**	**190.8**	**87.912**	**3.3547**	**10.4148**
KXYZ		2128.1	288.7	.0	1094.0	13.194	2.8869	10.8075
XESR		878.5	328.9	7.3	150.9	59.613	1.7986	
KOLT		1466.4	237.9	2.3	393.6	22.748	1.7908	
KWKW	*	107.0	90.1	53.1	190.3	389.890	1.4843	

* - indicates an adjacent channel station.

Point: KSDT Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KKSM		91.1	9.0	57.5	83.2	404.707	6.7341	6.7341
KFNZ		871.3	213.9	7.4	405.5	55.400	4.4929	8.0953
KSDT		33.8	329.5	76.7	49.9	449.125	4.4838	9.2541
KYHN		2087.3	272.4	.0	1341.7	12.679	3.4023	9.8597
KCTC-A		**645.9**	**141.4**	**11.1**	**190.3**	**86.968**	**3.3092**	**10.4002**
KXYZ		2128.1	288.7	.0	1094.0	13.194	2.8869	10.7935
XESR		878.5	328.9	7.3	150.9	59.613	1.7986	
KOLT		1466.4	237.9	2.3	393.6	22.748	1.7908	
KWKW	*	107.0	90.1	53.1	190.3	389.890	1.4843	

* - indicates an adjacent channel station.

Point: SANTA M Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KCTC-L		**427.2**	**168.6**	**17.7**	**1107.2**	**147.094**	**32.5730**	**32.5730**
KSDT		339.2	293.9	22.2	199.5	188.657	7.5261	
KFNZ		977.2	232.3	6.2	753.5	46.189	6.9610	
KKSM		341.9	305.3	22.1	79.2	186.940	2.9593	

* - indicates an adjacent channel station.

Point: SANTA M Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSDT		339.2	293.9	22.2	199.5	188.657	7.5261	7.5261
KFNZ		977.2	232.3	6.2	753.5	46.189	6.9610	10.2517
KCTC-A		**423.4**	**165.6**	**17.8**	**190.1**	**148.652**	**5.6526**	**11.7068**
KKSM		341.9	305.3	22.1	79.2	186.940	2.9593	12.0751
KWKW	*	214.4	299.1	33.4	506.2	280.008	2.8350	
KYHN		2360.3	276.3	.0	1218.2	9.865	2.4035	
KXYZ		2433.0	290.4	.0	1092.2	10.173	2.2223	

* - indicates an adjacent channel station.

Point: SANTA M Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KCTC-L		**426.4**	**168.6**	**17.7**	**1106.8**	**147.416**	**32.6318**	**32.6318**
KSDT		339.7	294.1	22.2	199.8	188.377	7.5262	
KFNZ		976.8	232.3	6.2	754.1	46.214	6.9697	
KKSM		342.5	305.4	22.0	78.8	186.600	2.9395	

* - indicates an adjacent channel station.

Point: SANTA M Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSDT		339.7	294.1	22.2	199.8	188.377	7.5262	7.5262
KFNZ		976.8	232.3	6.2	754.1	46.214	6.9697	10.2578
KCTC-A		**422.6**	**165.6**	**17.9**	**190.1**	**148.979**	**5.6631**	**11.7172**
KKSM		342.5	305.4	22.0	78.8	186.600	2.9395	12.0803
KWKW	*	215.0	299.3	33.3	507.5	279.497	2.8370	
KYHN		2360.4	276.4	.0	1217.5	9.863	2.4017	
KXYZ		2433.3	290.4	.0	1092.2	10.170	2.2215	

* - indicates an adjacent channel station.

Point: EWA BEA Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KCTC-L	**3988.0**	**251.7**	**.0**	**1289.3**	**5.234**	**1.3498**	**1.3498**
KFNZ	4820.5	257.8	.0	949.6	3.172	.6024	1.4781
KKSM	4200.9	262.2	.0	419.7	5.086	.4269	1.5385
KYHN	6314.2	273.9	.0	1296.2	1.642	.4255	1.5963
KXYZ	6299.3	277.2	.0	1080.2	1.951	.4216	1.6510
KXRO	4187.6	239.0	.0	403.1	4.069	.3281	
OAX4I	9572.0	292.8	.0	978.6	1.499	.2934	
HCVG8	7814.9	293.1	.0	692.0	2.100	.2906	

* - indicates an adjacent channel station.

Point: EWA BEA Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	4820.5	257.8	.0	949.6	3.172	.6024	.6024
KKSM	4200.9	262.2	.0	419.7	5.086	.4269	.7384
KYHN	6314.2	273.9	.0	1296.2	1.642	.4255	.8522
KXYZ	6299.3	277.2	.0	1080.2	1.951	.4216	.9508
KCTC-A	**3966.9**	**251.6**	**.0**	**325.1**	**5.304**	**.3449**	**1.0114**
KXRO	4187.6	239.0	.0	403.1	4.069	.3281	1.0633
OAX4I	9572.0	292.8	.0	978.6	1.499	.2934	1.1031
HCVG8	7814.9	293.1	.0	692.0	2.100	.2906	1.1407
YSHQ	7286.2	287.5	.0	692.0	1.927	.2667	
CHMB	4365.3	237.5	.0	324.2	3.516	.2280	
CHQM	4365.3	237.5	.0	315.6	3.516	.2219	

* - indicates an adjacent channel station.

Point: EWA BEA Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KCTC-L	**3988.2**	**251.7**	**.0**	**1289.2**	**5.234**	**1.3494**	**1.3494**
KFNZ	4820.7	257.8	.0	949.6	3.171	.6023	1.4777
KKSM	4201.2	262.2	.0	419.7	5.085	.4268	1.5381
KYHN	6314.5	273.9	.0	1296.0	1.641	.4254	1.5958
KXYZ	6299.6	277.2	.0	1080.2	1.951	.4215	1.6506
KXRO	4187.6	239.0	.0	403.3	4.069	.3282	
OAX4I	9572.7	292.8	.0	978.6	1.499	.2933	
HCVG8	7815.6	293.1	.0	692.0	2.100	.2906	

* - indicates an adjacent channel station.

Point: EWA BEA Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	4820.7	257.8	.0	949.6	3.171	.6023	.6023
KKSM	4201.2	262.2	.0	419.7	5.085	.4268	.7382
KYHN	6314.5	273.9	.0	1296.0	1.641	.4254	.8520
KXYZ	6299.6	277.2	.0	1080.2	1.951	.4215	.9506
KCTC-A	**3967.1**	**251.6**	**.0**	**325.2**	**5.303**	**.3449**	**1.0112**
KXRO	4187.6	239.0	.0	403.3	4.069	.3282	1.0631
OAX4I	9572.7	292.8	.0	978.6	1.499	.2933	1.1028
HCVG8	7815.6	293.1	.0	692.0	2.100	.2906	1.1405
YSHQ	7286.8	287.5	.0	692.0	1.926	.2666	
CHMB	4365.3	237.5	.0	324.6	3.516	.2282	
CHQM	4365.3	237.5	.0	315.9	3.516	.2222	

* - indicates an adjacent channel station.

Point: MERLIN Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	975.7	285.6	6.2	793.4	42.794	6.7901	6.7901
KXRO	503.4	176.3	14.8	267.7	111.476	5.9683	9.0403
KCTC-L	**450.0**	**337.7**	**26.9**	**172.8**	**136.001**	**4.6989**	**10.1885**
KKPZ *	342.3	192.0	34.1	503.1	181.332	1.8247	
KSDT	1116.3	331.8	4.8	226.4	37.535	1.6999	
CHMB	748.4	182.3	9.2	114.8	60.044	1.3785	

Point: MERLIN Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	975.7	285.6	6.2	793.4	42.794	6.7901	6.7901
KXRO	503.4	176.3	14.8	267.7	111.476	5.9683	9.0403
KCTC-A	**450.9**	**340.2**	**16.7**	**154.5**	**135.754**	**4.1951**	**9.9662**
KKPZ *	342.3	192.0	34.1	503.1	181.332	1.8247	
KSDT	1116.3	331.8	4.8	226.4	37.535	1.6999	
CHMB	748.4	182.3	9.2	114.8	60.044	1.3785	

Point: MERLIN Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ		969.7	285.8	6.3	789.9	43.208	6.8262	6.8262
KXRO		500.5	175.5	14.9	269.1	112.319	6.0459	9.1187
KCTC-L		**450.6**	**338.6**	**26.9**	**161.1**	**135.772**	**4.3748**	**10.1138**
KKPZ	*	337.7	191.0	34.5	508.7	183.980	1.8718	
KSDT		1115.7	332.2	4.8	225.5	37.552	1.6938	
CHMB		744.8	181.8	9.3	114.9	60.464	1.3898	

* - indicates an adjacent channel station.

Point: KFNZ Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KXYZ		1941.9	313.2	.0	960.7	14.260	2.7397	2.7397
KLIX	*	293.8	135.4	38.5	446.8	214.172	1.9139	3.3420
KYHN		1641.1	296.0	1.3	445.8	17.692	1.5773	3.6956
KWKW	*	929.3	35.7	6.7	1080.8	50.227	1.0857	3.8517
KOLT		699.9	261.6	10.0	74.6	70.361	1.0504	3.9924
KSDT		888.1	28.9	13.1	86.0	53.897	.9269	
KCTC-L		**832.5**	**72.1**	**7.9**	**75.2**	**57.449**	**.8637**	
XERJ		2005.5	346.3	.0	287.9	14.925	.8593	

* - indicates an adjacent channel station.

Point: MERLIN Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ		969.7	285.8	6.3	789.9	43.208	6.8262	6.8262
KXRO		500.5	175.5	14.9	269.1	112.319	6.0459	9.1187
KCTC-A		**451.8**	**341.2**	**16.7**	**147.5**	**135.398**	**3.9931**	**9.9546**
KKPZ	*	337.7	191.0	34.5	508.7	183.980	1.8718	
KSDT		1115.7	332.2	4.8	225.5	37.552	1.6938	
CHMB		744.8	181.8	9.3	114.9	60.464	1.3898	

* - indicates an adjacent channel station.

Point: KFNZ Frequency: 1320 kHz

Station Call		Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KXYZ		1941.9	313.2	.0	960.7	14.260	2.7397	2.7397
KLIX	*	293.8	135.4	38.5	446.8	214.172	1.9139	3.3420
KYHN		1641.1	296.0	1.3	445.8	17.692	1.5773	3.6956
KWKW	*	929.3	35.7	6.7	1080.8	50.227	1.0857	3.8517
KOLT		699.9	261.6	10.0	74.6	70.361	1.0504	3.9924
KCTC-A		**853.6**	**71.8**	**7.6**	**89.4**	**55.321**	**.9893**	
KSDT		888.1	28.9	13.1	86.0	53.897	.9269	
XERJ		2005.5	346.3	.0	287.9	14.925	.8593	

* - indicates an adjacent channel station.

Exhibit 16-2

RSS Calculations for Proposed Operation

Point: KCTC Frequency: 1320 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KFNZ	832.5	258.1	7.9	913.9	57.449	10.5001	**10.5001***
KSDT	674.5	326.1	10.5	234.4	81.958	3.8425	11.1811
KXRO	938.7	166.7	6.6	324.3	45.263	2.9361	11.5601
KKSM	709.9	330.8	9.9	130.5	76.440	1.9958	
KXYZ	2592.9	299.7	.0	1057.1	8.481	1.7930	

* Nighttime Interference-free contour level

Tabulation of Directional Antenna Pattern
KCTC-AM 1320 kHz West Sacramento, CA

STANDARD RADIATION PATTERN

(MV/M AT ONE KILOMETER)

AZIMUTH	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
.00	18.43	16.10	11.38	14.41	26.61	40.47	52.60	61.14	65.21	64.82	60.74	54.23	46.64
5.00	48.63	45.31	36.08	23.43	15.42	23.85	37.54	48.91	55.94	58.23	56.39	51.60	45.24
10.00	79.77	76.05	65.58	50.37	34.28	25.05	29.85	40.27	48.61	52.72	52.62	49.27	43.99
15.00	107.61	103.55	92.03	74.98	55.62	38.90	31.95	36.27	43.58	48.42	49.48	47.27	42.89
20.00	131.56	127.22	114.83	96.31	74.68	54.06	39.95	36.79	40.92	45.34	46.99	45.60	41.97
25.00	151.32	146.74	133.68	114.03	90.72	67.57	49.19	40.18	40.26	43.38	45.10	44.25	41.21
30.00	166.63	161.89	148.35	127.90	103.43	78.57	57.53	44.54	40.91	42.31	43.74	43.19	40.62
35.00	177.23	172.42	158.62	137.71	112.57	86.71	64.06	48.54	42.11	41.83	42.78	42.40	40.19
40.00	182.89	178.07	164.24	143.26	117.95	91.74	68.35	51.47	43.22	41.61	42.11	41.82	39.90
45.00	183.37	178.62	165.02	144.37	119.43	93.51	70.18	52.89	43.78	41.40	41.60	41.40	39.73
50.00	178.47	173.89	160.79	140.90	116.89	91.92	69.42	52.61	43.54	40.99	41.15	41.11	39.68
55.00	168.11	163.80	151.48	132.81	110.30	86.97	66.02	50.53	42.35	40.25	40.69	40.90	39.73
60.00	152.36	148.43	137.18	120.18	99.75	78.70	60.05	46.68	40.19	39.15	40.17	40.77	39.87
65.00	131.56	128.10	118.21	103.29	85.47	67.31	51.64	41.17	37.15	37.71	39.59	40.69	40.09
70.00	106.52	103.60	95.28	82.78	67.96	53.14	41.04	34.26	33.46	36.04	38.99	40.67	40.40
75.00	79.00	76.66	69.98	59.98	48.22	36.85	28.69	26.48	29.51	34.32	38.43	40.73	40.78
80.00	53.84	51.99	46.69	38.68	29.16	20.16	15.67	19.00	26.00	32.83	38.00	40.90	41.25
85.00	45.31	43.73	39.15	32.02	23.11	13.84	9.13	15.07	23.93	31.88	37.83	41.23	41.81
90.00	64.07	62.34	57.31	49.44	39.54	28.98	20.43	18.71	24.31	31.81	38.03	41.74	42.48
95.00	94.87	92.59	85.97	75.63	62.62	48.48	35.49	27.35	27.39	32.85	38.74	42.50	43.27
100.00	127.24	124.30	115.77	102.51	85.89	67.75	50.51	37.52	32.51	35.07	40.02	43.55	44.19
105.00	157.14	153.58	143.26	127.27	107.29	85.52	64.60	47.82	38.84	38.37	41.93	44.91	45.25
110.00	182.43	178.36	166.59	148.38	125.71	101.04	77.26	57.68	45.73	42.57	44.47	46.60	46.46
115.00	201.77	197.36	184.61	164.92	140.45	113.87	88.23	66.82	52.85	47.46	47.59	48.63	47.81
120.00	214.50	209.94	196.77	176.45	151.21	123.84	97.42	75.18	60.00	52.86	51.23	50.98	49.31
125.00	220.62	216.12	203.11	183.04	158.13	131.11	105.00	82.83	67.12	58.63	55.30	53.61	50.94
130.00	220.83	216.58	204.29	185.32	161.75	136.14	111.30	89.95	74.22	64.67	59.70	56.48	52.68

(MV/M AT ONE KILOMETER)

AZIMUTH	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
135.00	216.51	212.68	201.59	184.44	163.06	139.70	116.83	96.80	81.33	70.90	64.35	59.54	54.51
140.00	209.70	206.40	196.84	181.98	163.31	142.69	122.16	103.63	88.50	77.24	69.14	62.72	56.41
145.00	202.85	200.13	192.19	179.74	163.90	146.06	127.81	110.64	95.72	83.61	74.00	65.96	58.34
150.00	198.46	196.24	189.75	179.43	166.04	150.55	134.11	117.92	102.98	89.92	78.83	69.21	60.28
155.00	198.40	196.53	191.04	182.19	170.46	156.52	141.20	125.45	110.18	96.10	83.55	72.40	62.18
160.00	203.33	201.61	196.53	188.30	177.26	163.94	148.97	133.12	117.23	102.05	88.09	75.50	64.04
165.00	212.59	210.82	205.60	197.19	185.96	172.41	157.11	140.72	124.00	107.68	92.38	78.44	65.81
170.00	224.62	222.65	216.91	207.75	195.71	181.34	165.25	148.04	130.36	112.93	96.39	81.19	67.48
175.00	237.59	235.38	228.93	218.76	205.59	190.12	173.01	154.84	136.20	117.72	100.06	83.74	69.02
180.00	249.95	247.48	240.31	229.12	214.78	198.19	180.06	160.96	141.43	122.02	103.37	86.05	70.43
185.00	260.52	257.84	250.07	238.01	222.70	205.15	186.15	166.29	146.01	125.82	106.32	88.13	71.70
190.00	268.62	265.78	257.60	244.95	228.97	210.77	191.18	170.77	149.94	129.12	108.91	89.96	72.82
195.00	273.93	271.03	262.66	249.74	233.47	214.99	195.14	174.44	153.24	131.95	111.15	91.55	73.78
200.00	276.51	273.62	265.30	252.45	236.28	217.90	198.11	177.38	156.00	134.37	113.09	92.92	74.59
205.00	276.68	273.89	265.83	253.39	237.68	219.76	200.31	179.75	158.33	136.45	114.75	94.08	75.26
210.00	275.04	272.40	264.81	253.04	238.11	220.91	202.02	181.76	160.36	138.26	116.18	95.05	75.78
215.00	272.40	269.99	263.00	252.11	238.16	221.84	203.59	183.64	162.25	139.90	117.43	95.85	76.17
220.00	269.83	267.66	261.36	251.44	238.51	223.07	205.40	185.66	164.15	141.47	118.54	96.50	76.43
225.00	268.56	266.63	260.99	251.97	239.95	225.19	207.85	188.07	166.23	143.04	119.55	97.02	76.56
230.00	269.93	268.20	263.06	254.68	243.22	228.74	211.30	191.10	168.61	144.68	120.51	97.42	76.58
235.00	275.20	273.56	268.64	260.46	248.98	234.17	216.05	194.92	171.38	146.45	121.44	97.72	76.49
240.00	285.31	283.62	278.51	269.90	257.67	241.76	222.26	199.61	174.59	148.36	122.34	97.93	76.30
245.00	300.65	298.73	292.96	283.21	269.40	251.56	229.95	205.17	178.22	150.41	123.21	98.04	76.00
250.00	320.92	318.62	311.69	300.11	283.93	263.37	238.93	211.48	182.21	152.56	124.05	98.06	75.62
255.00	345.21	342.37	333.89	319.89	300.65	276.71	248.89	218.32	186.41	154.73	124.82	97.98	75.14
260.00	372.08	368.61	358.28	341.44	318.70	290.93	259.33	225.36	190.63	156.82	125.46	97.79	74.57
265.00	399.80	395.63	383.32	363.45	336.97	305.19	269.67	232.21	194.64	158.70	125.93	97.45	73.91
270.00	426.46	421.60	407.32	384.45	354.29	318.58	279.26	238.45	198.16	160.24	126.16	96.97	73.15
275.00	450.16	444.68	428.59	402.96	369.45	330.17	287.43	243.62	200.93	161.27	126.08	96.31	72.31
280.00	469.14	463.12	445.52	417.60	381.31	339.08	293.54	247.29	202.68	161.65	125.62	95.45	71.37
285.00	481.83	475.43	456.73	427.16	388.87	344.55	297.03	249.09	203.18	161.26	124.72	94.37	70.34
290.00	487.04	480.43	461.15	430.69	391.36	345.95	297.44	248.70	202.22	159.97	123.33	93.04	69.21
295.00	483.98	477.37	458.06	427.58	388.24	342.88	294.48	245.92	199.67	157.72	121.40	91.46	67.99
300.00	472.35	465.93	447.18	417.56	379.31	335.16	288.01	240.63	195.46	154.44	118.91	89.61	66.66

(MV/M AT ONE KILOMETER)

AZIMUTH	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
305.00	452.33	446.29	428.66	400.76	364.65	322.84	278.03	232.84	189.58	150.14	115.85	87.50	65.24
310.00	424.53	419.06	403.05	377.64	344.63	306.19	264.74	222.66	182.09	144.84	112.24	85.12	63.73
315.00	389.97	385.21	371.24	348.97	319.85	285.67	248.46	210.30	173.11	138.60	108.10	82.49	62.13
320.00	349.93	345.98	334.36	315.72	291.11	261.88	229.62	196.04	162.83	131.54	103.49	79.63	60.45
325.00	305.83	302.76	293.70	279.01	259.32	235.52	208.73	180.24	151.45	123.77	98.48	76.59	58.71
330.00	259.14	256.99	250.56	239.97	225.43	207.34	186.33	163.27	139.25	115.46	93.15	73.39	56.93
335.00	211.28	210.03	206.23	199.73	190.37	178.08	163.01	145.56	126.48	106.78	87.61	70.10	55.13
340.00	163.53	163.14	161.84	159.30	155.01	148.47	139.32	127.52	113.46	97.91	81.96	66.76	53.32
345.00	116.99	117.39	118.41	119.58	120.14	119.16	115.81	109.58	100.48	89.07	76.32	63.44	51.54
350.00	72.74	73.78	76.80	81.35	86.47	90.82	93.06	92.19	87.88	80.46	70.82	60.20	49.82
355.00	32.62	33.89	38.08	45.40	54.75	64.18	71.68	75.84	76.00	72.30	65.59	57.11	48.18

RSS USED IN COMPUTING Q = 285.7646
Q USED FOR HORIZONTAL PATTERN = 10.000 (CALCULATED Q IS 10.000)
CORRESPONDING STANDARD PATTERN RMS = 263.3872 MV/M AT ONE KILOMETER
SHORTEST TOWER IS TOWER 3; IT IS < 180 DEGREES

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INPUT PARAMETERS:

FIELD RATIO	PHASING	SPACING	ORIENT	TOW REF SWITCH	HEIGHT	TL/SEC	A	B	C	D	Z SUB 0
1.0000	.000	.000	.000	0	181.2	0	.00	.00	.00	.00	.00
.4600	22.000	214.500	27.500	0	196.6	0	.00	.00	.00	.00	.00
.6000	101.000	125.500	61.800	0	90.8	0	.00	.00	.00	.00	.00

1320 kHz 0.50 kW

N 38 38 11 W 121 33 9

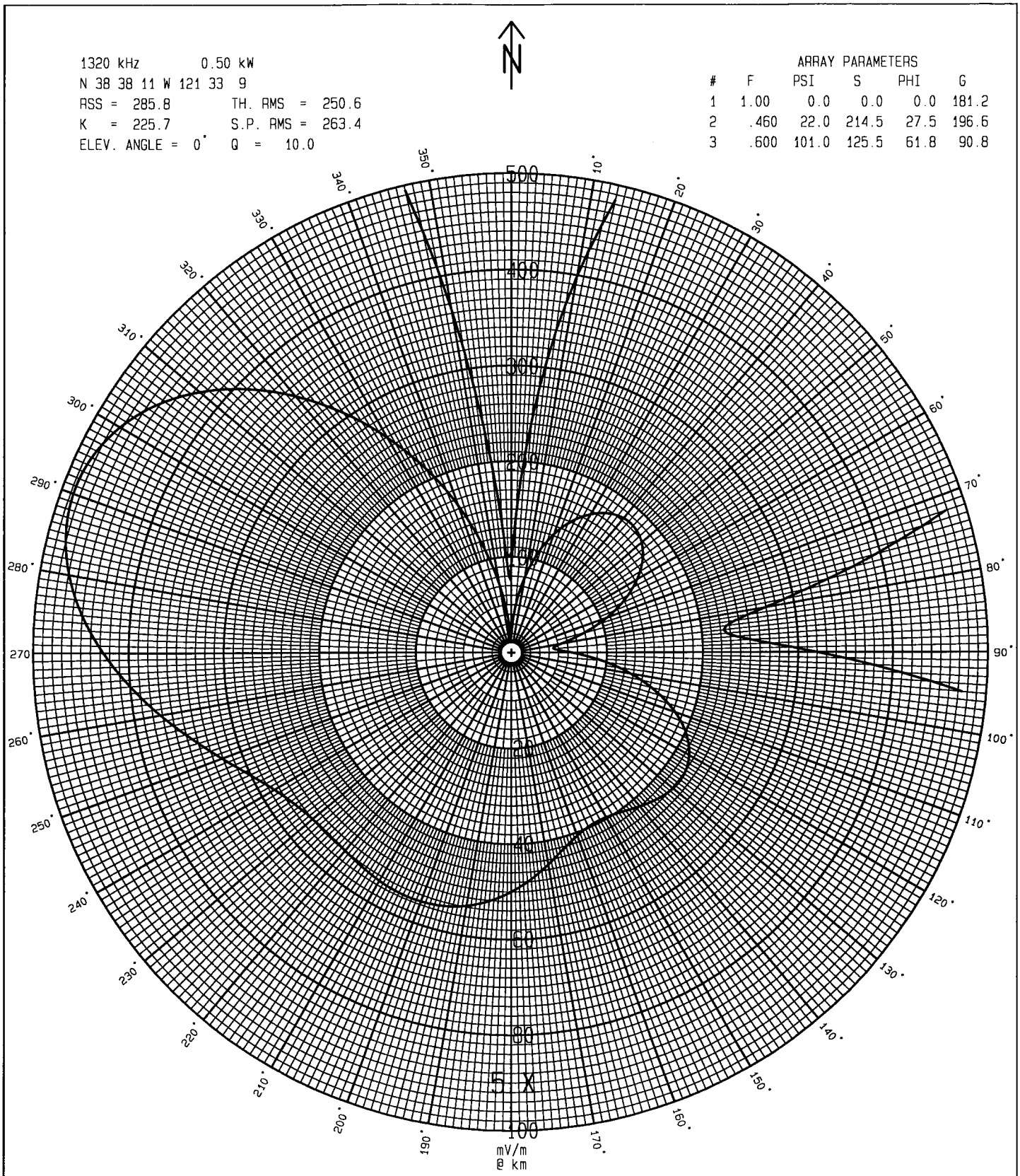
RSS = 285.8 TH. RMS = 250.6

K = 225.7 S.P. RMS = 263.4

ELEV. ANGLE = 0° Q = 10.0

ARRAY PARAMETERS

#	F	PSI	S	PHI	G
1	1.00	0.0	0.0	0.0	181.2
2	.460	22.0	214.5	27.5	196.6
3	.600	101.0	125.5	61.8	90.8



HATFIELD & DAWSON
CONSULTING ENGINEERS

STANDARD PATTERN

KCTC WSAC, CA US JANUARY 2007