

TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
PILGRIM COMMUNICATIONS, INC.
RADIO STATION KRCN
LONGMONT, COLORADO

October 17, 2006

1060 KHZ 50 KW-D 112 W-N ND

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Technical Narrative

The technical exhibit of which this narrative is part has been prepared on behalf of Pilgrim Communications, Inc., licensee of AM broadcast station KRCN at Longmont, Colorado. KRCN is licensed as a Class D station for operation on 1060 kilohertz with daytime power of 50 kilowatts and secondary nighttime power of 111 watts, operating with the different non-directional antenna during daytime and nighttime hours. By means of this present application, the licensee proposes to change the nighttime transmitter site location using an existing tower for non-directional secondary nighttime operation. The daytime and nighttime services will continue to operate from different site locations.

The proposal is classified as a minor change according to 47 CFR 73.3571(a)(2). As a Class D station operating on one of the channels listed in 73.25(b), the proposal satisfies 47 CFR 73.21(a)(3) which permits operation with a nominal power of less than 0.25 kilowatt and an equivalent RMS antenna field of less than 141 mV/m at 1 km. The Federal Aviation Administration has not been notified of the proposal as new tower construction is not proposed.

Proposed Transmitter Location

The location of the proposed KRCN nighttime facility will be located with an existing tower and is at NAD27 coordinates:

40-11-26 North

105-07-37 West

The proposed transmitter site is shown on Figure 1 while the antenna site plat is shown on Figure 2.

Non-Directional Antenna System

An existing tower used for cellular communication is proposed for the secondary nighttime non-directional operation. As indicated on Figure 3, the radiating element for the tower is 57.9 meters in height (73.7 electrical degrees) and has an overall height of 58.8 meters above ground level. The ASR Registration Number is: 1228514.

Antenna Feed System

As shown on Figure 3, a single slant-wire feed system is proposed to deliver power to the existing grounded tower. The feed wire begins at ground level with a distance of 32 feet from the center-line of the self-supported tower. The face width at the bottom of the tower is 9 feet. The feed-wire slopes upwards to attach to the tower at a point 71 feet above ground level.

The proposed feed system is very appropriate for exciting towers on which multiple antennas have been mounted. The single feed wire attaches to the

tower generally below the level of cellular or other type of antennas. Whereas the typical folded unipole antenna has three or six wires covering most of the tower heights, which tends to obstruct the cellular antennas and has a potential for hazard for workers.

Nighttime Allocation Study

The proposed KRCN facility will afford nighttime protection to all stations and international allotments operating on 1050 kHz, 1060 kHz, and 1070 kHz. As the slant-wire feed system represents a non-standard but technically acceptable approach to feeding a non-directional antenna, a study utilizing a multi-step methodology has been employed to ensure the nighttime interference protection requirements are met as outlined in the Rules.

Step 1

A standard nighttime allocation study was performed assuming the proposed tower to be series fed at the proposed physical height of 190 feet. As shown on Figure 4, a power level of 114 watts would be allowable under these assumed conditions. It can be noted that the relevant elevation angles to protect all stations in the study vary between 0 and 26.2 degrees.

Step 2

A computer model of the proposed antenna with the slant-fed arrangement was developed to run with the numerical electromagnetic code, NEC4. Figure 3 shows the exact plan view of the model as captured from the NEC4 software. Figure 5 shows the NEC4 input file used to generate the study results.

For the study, a vertical radiation pattern was generated every 5 degrees in azimuth to determine the pattern characteristics to be compared with the FCC

form factor over the relevant elevation angles. An elevation angle range of 0 to 30 degrees with data generated every 5 degrees was selected for the analysis. Figure 6 shows a tabulation showing the results of this study. As can be seen from Figure 6, a maximum percent difference from the FCC form factor for the proposed antenna height is 0.7 percent.

Step 3

The maximum percent difference of 0.7 percent, as determined in Step 3, is applied to the standard permissible power level of 114 watts, as calculated in Step 1. The acceptable power level to ensure that this particular proposed slant-fed antenna meets the nighttime interference protection requirements as outlined in the Rules is 112 watts. $[112 = 114 * (1 - 0.007)^2]$

Using an analysis that utilizes the industry standard numerical electromagnetic code, NEC4, shows a shunt-fed antenna of the proposed configuration to be only a fraction of a percent different from the standard FCC form factor as defined in Section 73.160 over the span of elevation angles particular to this allocation situation. Further study of shunt-fed antennas using NEC4 reveals that for higher elevation angles (above 30 degrees) and for taller tower heights (above 90 degrees) that an increasingly significant percent difference from the FCC form factor will result. Therefore, it is necessary to model each unique slant-fed antenna to determine compliance with the FCC Rules.

Environmental Considerations

The proposed KRCN operation was evaluated in terms of both the electric and magnetic field components which will be present at the base of the tower. Using Figures 1 through 4 of Supplement A to OET Bulletin 65, the worst case interpolated distance at which the electric and magnetic fields would fall below ANSI guidelines is 2 meters. Accordingly, the areas surrounding the base of the tower and slant-wire feed will be appropriately restricted with fences having a minimum radius of 2 meters (7 feet) unless data obtained after construction has been completed indicates otherwise. The fences will assure that persons on the property outside the fenced area will not be exposed to radiofrequency field levels in excess of those recommended by the ANSI. In addition, warning signs will be posted.

This statement addresses only human exposure to radiofrequency radiation and not to other non-radiofrequency radiation matters listed in the National Environmental Policy Act of 1969.

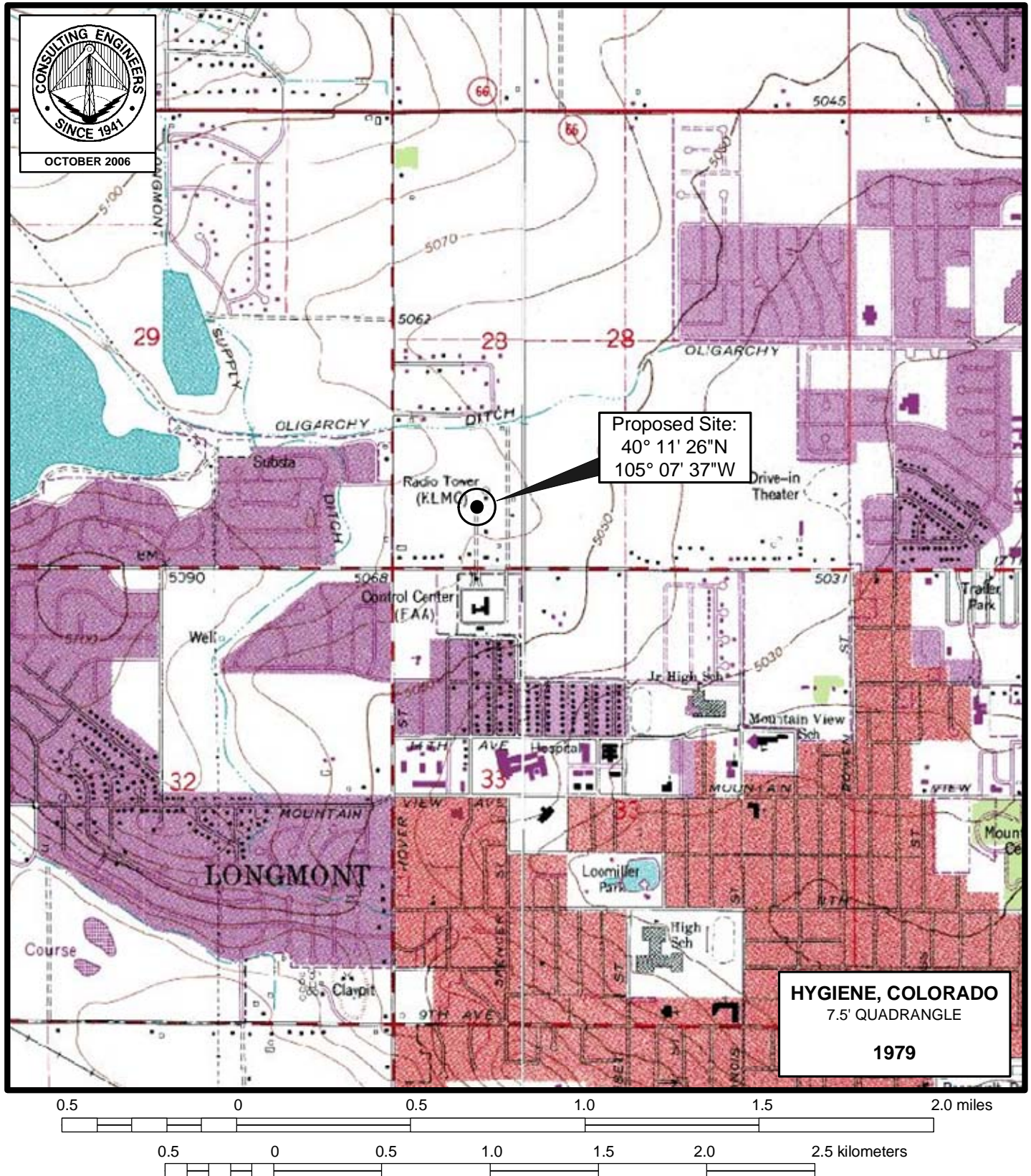
A handwritten signature in cursive script, reading "Louis R. du Treil".

L. Robert du Treil, Sr.
du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237

(941) 329-6000

October 17, 2006

Figure 1



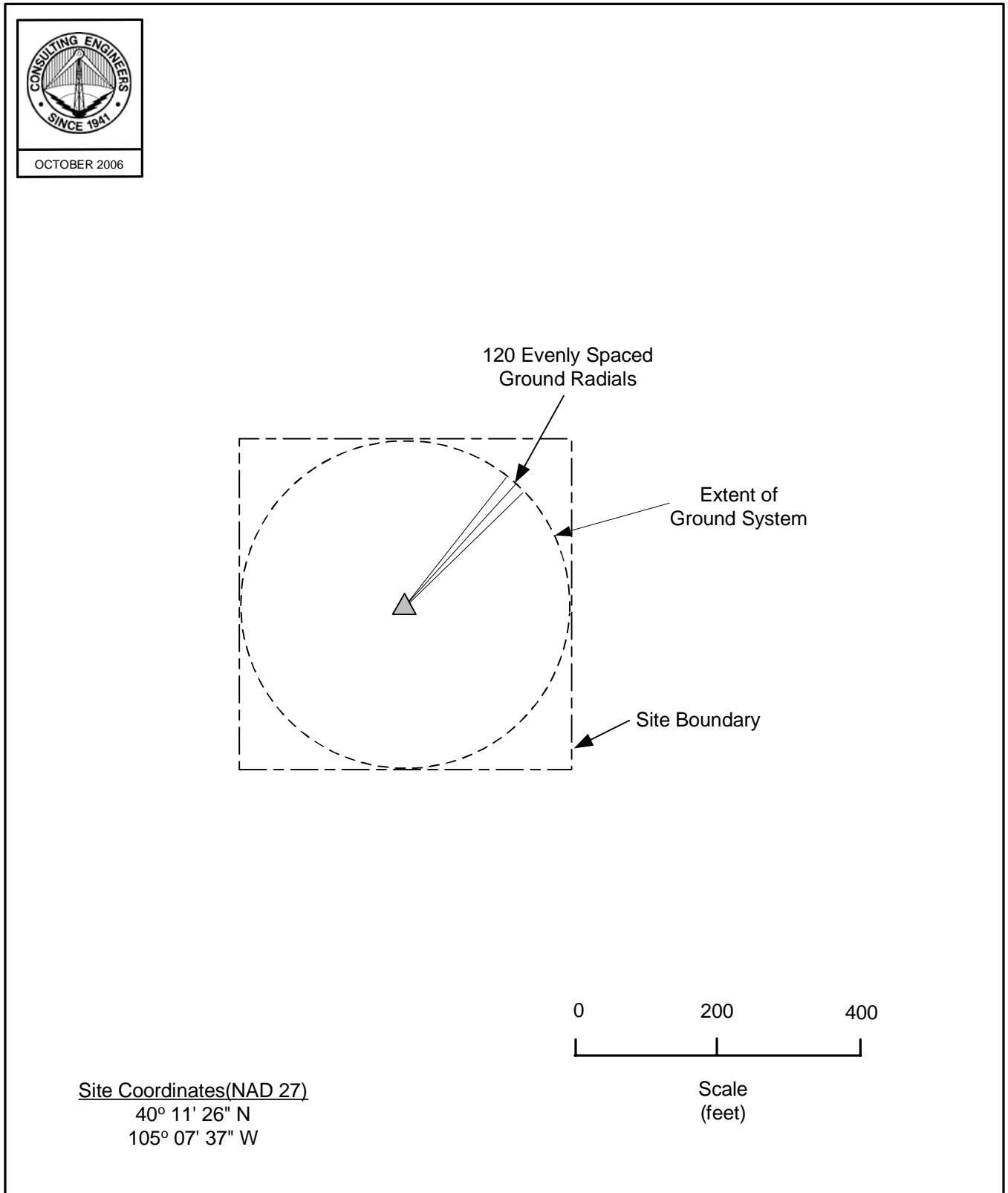
PROPOSED TRANSMITTER SITE

RADIO STATION KRCN
LONGMONT, COLORADO

1060 KHZ 50 KW-D 112 W-N ND

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2

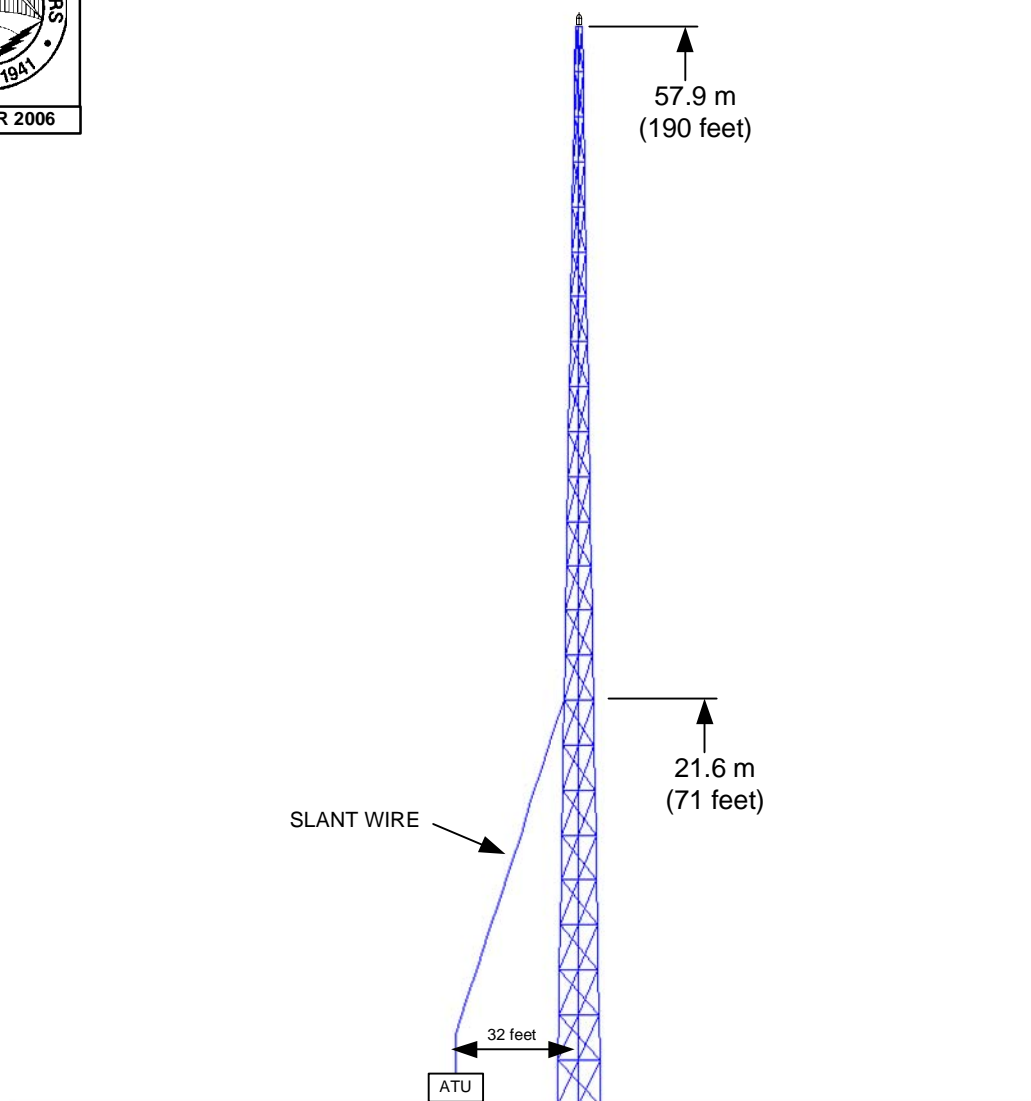
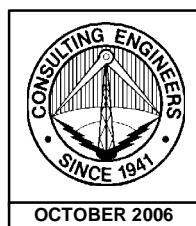


ANTENNA SITE PLAT

RADIO STATION KRCN
LONGMONT, COLORADO
1060 KHZ 50 KW-D 112 W-N U ND

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 3



TOWER GEOMETRY

RADIO STATION KRCN
LONGMONT, COLORADO
1060 KHZ 50 KW-D 112 W-N ND

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Standard Nighttime Allocation Study

Call: KRCN
Freq: 1060 kHz
LONGMONT, CO, US
Lat: 40-11-26 N
Lng: 105-07-37 W
Power: 0.114 kW
Theo RMS: 294.85 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	73.7	0	0	0.0	0.0	0.0	0.0

Call Letters	Ct	St	City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
XEEP/A (345)	MX	DF	EJERCITO DE ORI	165.26	3.72	3.72	25.15	0.50	99.40S	99.28	0.12
KGFX	US	SD	PIERRE	39.29	12.09	20.29	84.51	1.66	98.11	96.70	1.42
KUCU	US	NM	FARMINGTON	214.98	16.19	26.20	130.39	2.72	104.32	94.49	9.83
KDYL	US	UT	SOUTH SALT LAKE	275.97	12.38	20.72	92.45	2.11	113.90	96.56	17.34
KYW (285)	US	PA	PHILADELPHIA	77.51	1.52	4.87	15.45	0.50	161.84S	99.51	62.34
CKMX/A	CA	AB	CALGARY	333.29	4.87	4.87	33.82	1.35	199.73	99.08	100.65
KDUS	US	AZ	TEMPE	220.85	6.22	11.61	46.40	2.26	243.54	98.80	144.74
XENVA2/A	MX	BN	ENSENADA	231.63	4.78	4.78	32.89	1.65	250.62	99.10	151.52
XENVA2/O	MX	SO	SANTA ANA	208.66	6.36	6.36	45.71	2.70	295.06	98.75	196.31
NEW	US	NV	SPARKS	270.75	3.77	8.03	28.81	1.98	343.73	99.27	244.46
NEW	US	CA	ARROYO GRANDE	252.36	2.32	5.97	23.19	2.17	467.82	99.45	368.38
NEW	US	CA	ARROYO GRANDE	252.36	2.32	5.97	23.19	2.17	467.82	99.45	368.38
NEW	US	CA	ARROYO GRANDE	252.36	2.32	5.97	23.19	2.17	467.82	99.45	368.38
NEW	US	OR	PRINEVILLE	294.78	2.87	6.75	22.02	2.62	595.10	99.39	495.72
XENVA2/O	MX	CH	CD.MADERA	193.70	5.85	5.85	41.59	4.95	595.57	98.87	496.71
KNX (55)	US	CA	LOS ANGELES	243.32	4.03	8.40	32.12	0.50	778.22G	99.24	678.98
WLNO	US	LA	NEW ORLEANS	125.19	0.57	3.58	16.38	3.07	936.94	99.54	837.40
KHBC	US	HI	HILO	259.49	0.00	0.00	2.62	0.50	944.76	99.55	845.21
XENVA2/A	MX	CI	CD.ACUNA	161.17	5.72	5.72	40.51	8.52	1052.05	98.91	953.14
NEW	US	WA	UNION GAP	304.93	2.56	6.31	19.49	5.23	1340.58	99.42	1241.16
NEW	US	WA	UNION GAP	304.93	2.56	6.31	19.49	5.23	1340.58	99.42	1241.16
TGLR-B (355)	GT		FAVORITA	146.73	0.00	0.00	1.63	0.51	1569.55s	99.55	1470.00
KFTI	US	KS	WICHITA	109.36	9.59	16.59	68.74	2.23	1622.85	97.75	1525.11
WIXC	US	FL	TITUSVILLE	112.64	0.00	0.00	8.14	3.70	2271.00	99.55	2171.45
KHMO	US	MO	HANNIBAL	88.61	4.35	8.86	29.90	1.91	3198.72	99.19	3099.53
KLOH	US	MN	PIPESTONE	56.83	7.85	14.02	49.95	3.74	3745.38	98.33	3647.05
KTBL	US	NM	LOS RANCHOS	194.25	12.22	20.48	94.35	7.52	3984.13	96.65	3887.48
NEW	US	MT	MISSOULA	318.98	5.60	10.69	34.54	2.81	4063.75	98.93	3964.82
NEW	US	MT	MISSOULA	318.98	5.60	10.69	34.54	2.81	4063.75	98.93	3964.82
NEW	US	MT	MISSOULA	318.76	5.58	10.66	34.42	2.81	4076.73	98.93	3977.80
CMAL-D	CU		PINAR DEL RI	128.04	0.00	0.00	1.65	1.53	4625.20	99.55	4525.65
WDIA	US	TN	MEMPHIS	107.62	2.50	6.22	22.45	2.10	4682.74	99.43	4583.31
WBIX	US	MA	NATICK	74.21	0.00	0.00	3.89	3.75	4817.63	99.55	4718.08
KTCT	US	CA	SAN MATEO	264.60	2.12	5.69	21.50	2.18	5066.76	99.46	4967.30
KTCT	US	CA	SAN MATEO	264.60	2.12	5.69	21.50	2.18	5066.76	99.46	4967.30
KTCT	US	CA	SAN MATEO	264.60	2.12	5.69	21.50	2.18	5066.76	99.46	4967.30
KTCT	US	CA	SAN MATEO	264.60	2.12	5.69	21.50	2.18	5066.76	99.46	4967.30
WAPI	US	AL	BIRMINGHAM	108.79	0.63	3.65	15.41	1.71	5548.31	99.54	5448.77
CJRP/A	CA	QC	SAINT NICOLAS	63.81	0.00	0.00	4.25	4.80	5650.71	99.55	5551.16
CJRP/	CA	QC	QUEBEC	63.78	0.00	0.00	4.25	4.83	5684.14	99.55	5584.59
WTSO	US	WI	MADISON	71.47	3.05	7.00	21.25	2.46	5797.39	99.37	5698.02
KEYF	US	WA	DISHMAN	314.21	3.54	7.70	23.14	2.80	6042.45	99.31	5943.14
WIBC	US	IN	INDIANAPOLIS	84.85	1.57	4.93	16.40	2.02	6158.51	99.50	6059.01
KOPY	US	TX	ALICE	152.74	1.96	5.47	22.79	3.11	6813.50	99.47	6714.03
KVKK	US	MN	VERNDALE	46.60	5.23	10.15	30.73	5.12	8339.49	99.02	8240.47
KBLE	US	WA	SEATTLE	306.48	1.53	4.88	15.11	2.71	8950.68	99.51	8851.17
KNTH	US	TX	HOUSTON	139.35	2.51	6.24	24.65	4.45	9031.54	99.43	8932.11
WDZ	US	IL	DECATUR	86.53	2.90	6.78	22.19	4.15	9343.71	99.39	9244.32
HRVW-B	HO		TEGUCIGALPA	143.62	0.00	0.00	1.08	2.08	9682.03	99.55	9582.48
YNM13-B	NU		RADIO FUTURA	144.19	0.00	0.00	0.93	2.07	11152.90	99.55	11053.35

Figure 4
Sheet 2 of 2

Call Letters	Ct	St	City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
WDVM	US	WI	EAU CLAIRE	60.99	3.92	8.24	24.50	5.48	11177.13	99.25	11077.87
WCGB	US	PR	JUANA DIAZ	112.28	0.00	0.00	2.95	6.74	11415.48	99.55	11315.93
WCGB	US	PR	JUANA DIAZ	112.28	0.00	0.00	2.95	6.74	11418.50	99.55	11318.95
CB 106-A (335)	CI		SANTIAGO 3	150.98	0.00	0.00	0.21	0.50	11996.74S	99.55	11897.19
WFLI	US	TN	LOOKOUT MOUNTAI	101.94	0.38	3.32	14.05	3.39	12065.26	99.55	11965.71
CMLQ-D	CU		C AMANCIO R	121.42	0.00	0.00	1.08	2.81	13001.54	99.55	12901.99
WLIP	US	WI	KENOSHA	74.01	2.35	6.01	18.35	4.93	13442.63	99.45	13343.18
WTCA	US	IN	PLYMOUTH	79.34	1.61	4.98	15.97	4.65	14554.93	99.50	14455.43
WJOK	US	WI	KAUKAUNA	66.41	2.38	6.05	17.65	5.48	15521.96	99.44	15422.52
WCVX	US	OH	CINCINNATI	87.34	0.69	3.73	13.59	4.26	15672.93	99.54	15573.39
WEPN	US	NY	NEW YORK	78.31	0.00	0.00	5.08	1.62	15886.26	99.55	15786.70
WGAT	US	VA	GATE CITY	94.18	0.00	2.31	11.18	3.57	15985.99	99.55	15886.44
WIQB	US	SC	CONWAY	98.74	0.00	0.24	8.03	3.29	20468.49	99.55	20368.94
TILX-B	CS		S JOSE	142.41	0.00	0.00	0.74	3.80	25724.76	99.55	25625.21
NEW	US	MI	MECOSTA TOWNSHI	70.33	1.18	4.39	13.42	6.97	25973.69	99.52	25874.17
WTKA	US	MI	ANN ARBOR	76.07	0.49	3.47	11.80	6.54	27721.80	99.55	27622.25
WKII	US	FL	SOLANA	117.75	0.00	0.00	8.24	4.66	28303.64	99.55	28204.09
WKII	US	FL	SOLANA	117.70	0.00	0.00	8.23	4.67	28380.03	99.55	28280.48
WVXX	US	VA	NORFOLK	89.15	0.00	0.00	6.46	3.71	28730.29	99.55	28630.74
WKOK	US	PA	SUNBURY	78.89	0.00	0.35	6.42	4.13	32180.31	99.55	32080.76
KCHN	US	TX	BROOKSHIRE	141.47	2.55	6.30	24.93	20.26	40635.48	99.42	40536.06
WINA	US	VA	CHARLOTTESVILLE	87.21	0.00	0.75	7.78	6.40	41140.59	99.55	41041.04
WMIA	US	PR	ARECIBO	112.01	0.00	0.00	3.01	2.49	41460.34	99.55	41360.79
ZYH-460-A	BR		V DA CONQUIS	118.17	0.00	0.00	0.15	1.39	45156.21	99.55	45056.66
HOMQ-B	PM		VOZ DE PANAM	136.82	0.00	0.00	0.64	6.10	47388.92	99.55	47289.36
HCAK2-A	EC		GUAYAQUIL 2	145.20	0.00	0.00	0.40	3.87	47986.30	99.55	47886.75
WCSZ	US	SC	SANS SOUCI	99.17	0.00	1.88	10.79	11.08	51321.51	99.55	51221.96
ZYK-533-A	BR		PIRACICABA	128.38	0.00	0.00	0.15	1.60	53814.98	99.55	53715.43
HIRV-C	DR		S P MACORIS	114.57	0.00	0.00	0.68	7.43	54948.68	99.55	54849.13
ZYL278-A	BR		PEDRO LEOPOL	123.79	0.00	0.00	0.15	1.66	55664.96	99.55	55565.41
YVLN-B	VE		S JUAN MORRO	121.64	0.00	0.00	0.46	5.46	59084.69	99.55	58985.14
ZYJ246-A	BR		CURITIBA	131.24	0.00	0.00	0.15	1.75	59909.58	99.55	59810.03
UNK-A	BR		VOTUPORANGA	128.52	0.00	0.00	0.16	1.95	61151.14	99.55	61051.59
ZYJ-298-A	BR		COLORADO	131.51	0.00	0.00	0.16	1.96	62400.10	99.55	62300.55
UNK-A	BR		DOURADOS	133.30	0.00	0.00	0.16	2.08	63493.23	99.55	63393.68
ZYJ-597-A	BR		MOSSORO	108.70	0.00	0.00	0.17	2.20	65398.47	99.55	65298.92
UNK-A	DO		DOMINICA	110.38	0.00	0.00	0.46	6.02	65941.59	99.55	65842.04
NEW	US	MD	POCOMOKE CITY	85.69	0.00	0.00	6.08	8.24	67811.97	99.55	67712.42
NEW	US	MD	POCOMOKE CITY	85.69	0.00	0.00	6.08	8.24	67811.97	99.55	67712.42
HJMG-B	CO		TURBO	133.75	0.00	0.00	0.57	7.91	69579.41	99.55	69479.86
UNK-A	BR		GARCA	129.44	0.00	0.00	0.15	2.15	69698.47	99.55	69598.92
UNK-A	BR		FLORIANOPOLI	132.13	0.00	0.00	0.14	2.00	71272.32	99.55	71172.77
ZYL-306-A	BR		ITAJUBA	126.57	0.00	0.00	0.15	2.10	72092.72	99.55	71993.17
HJFJ-A	CO		MANIZALES	134.91	0.00	0.00	0.49	7.31	75218.33	99.55	75118.78
HJMV-A	CO		CHIQUEQUIRA	132.39	0.00	0.00	0.48	7.30	76159.60	99.55	76060.05
ZYJ-306-A	BR		FCO BELTRAO	134.33	0.00	0.00	0.15	2.37	78584.90	99.55	78485.35
YVOE-B	VE		SAN CRISTOBA	128.88	0.00	0.00	0.49	7.88	80071.77	99.55	79972.22
ZYK-220-A	BR		CAMAQUA	136.39	0.00	0.00	0.14	2.35	85046.33	99.55	84946.78
UNK-A	BR		ITAPICURU	113.81	0.00	0.00	0.16	2.66	85224.44	99.55	85124.89
ZYK307-A	BR		SOLEDADE	135.64	0.00	0.00	0.14	2.53	88370.52	99.55	88270.97
WNCT	US	NC	GREENVILLE	93.01	0.00	0.00	7.14	13.17	92220.24	99.55	92120.69
WNCT	US	NC	GREENVILLE	93.00	0.00	0.00	7.14	13.17	92261.95	99.55	92162.40
NEW	US	AK	CHUGIAK	323.19	0.00	0.00	0.77	1.45	94643.09	99.55	94543.53
UNK-A	BR		MINACU	122.62	0.00	0.00	0.17	3.45	98894.14	99.55	98794.59
NEW	US	AK	CHUGIAK	323.70	0.00	0.00	0.74	1.48	100437.57	99.55	100338.02
UNK-A	BR		S LUIZ GONZA	137.10	0.00	0.00	0.15	3.25	109810.45	99.55	109710.90
HCAG6-A	EC		SAQUISILI 1	142.86	0.00	0.00	0.42	9.23	111004.94	99.55	110905.39
UNK-A	BR		MACAPA	115.05	0.00	0.00	0.24	6.41	134992.95	99.55	134893.40
ZP13-A	PA	1	MBURUCUYA AL	138.12	0.00	0.00	0.16	4.29	135197.72	99.55	135098.17
ZYJ-495-A	BR		MIGUEL PEREI	125.25	0.00	0.00	0.14	3.90	136904.73	99.55	136805.18
OCY4D-A	PE		EXITO	147.35	0.00	0.00	0.28	7.97	144566.87	99.55	144467.32
CP 181-A	BL		PUERTO SUARE	133.25	0.00	0.00	0.18	5.34	146571.56	99.55	146472.01
UNK-A	FG		S LAURENT 1	113.09	0.00	0.00	0.29	9.95	173717.13	99.55	173617.58
OBX5D-A	PE		ANDAHUAYLAS	144.75	0.00	0.00	0.25	8.65	173923.00	99.55	173823.45

KRCN NEC-4 Model

```
CM KRCN MONOPOLE NEC-4 MODEL
CM
CM SLANT-WIRE FED TAPERED TOWER
CM PHYSICAL HEIGHT = 190 FEET
CM FED AT 71 FEET HEIGHT
CM DISTANCE TO FEED FROM TOWER CENTER = 32 FEET
CM
CM FILE: KRCN00.NEC
CE
GW 1 1 -3.859 0.082 7.917 -4 0 0 0.005
GW 2 1 -3.859 0.082 7.917 4 0 0 0.005
GW 3 1 -3.859 0.082 7.917 3.859 0.082 7.917 0.005
GW 4 1 3.859 0.082 7.917 4 0 0 0.005
GW 5 1 3.859 0.082 7.917 0 6.928 0 0.005
GW 6 1 3.859 0.082 7.917 0 6.765 7.917 0.005
GW 7 1 0 6.765 7.917 0 6.928 0 0.005
GW 8 1 0 6.765 7.917 -4 0 0 0.005
GW 9 1 0 6.765 7.917 -3.859 0.082 7.917 0.005
GW 10 1 -3.718 0.163 15.833 -3.859 0.082 7.917 0.005
GW 11 1 -3.718 0.163 15.833 3.859 0.082 7.917 0.005
GW 12 1 -3.718 0.163 15.833 3.718 0.163 15.833 0.005
GW 13 1 3.718 0.163 15.833 3.859 0.082 7.917 0.005
GW 14 1 3.718 0.163 15.833 0 6.765 7.917 0.005
GW 15 1 3.718 0.163 15.833 0 6.602 15.833 0.005
GW 16 1 0 6.602 15.833 0 6.765 7.917 0.005
GW 17 1 0 6.602 15.833 -3.859 0.082 7.917 0.005
GW 18 1 0 6.602 15.833 -3.718 0.163 15.833 0.005
GW 19 1 -3.576 0.245 23.75 -3.718 0.163 15.833 0.005
GW 20 1 -3.576 0.245 23.75 3.718 0.163 15.833 0.005
GW 21 1 -3.576 0.245 23.75 3.576 0.245 23.75 0.005
GW 22 1 3.576 0.245 23.75 3.718 0.163 15.833 0.005
GW 23 1 3.576 0.245 23.75 0 6.602 15.833 0.005
GW 24 1 3.576 0.245 23.75 0 6.439 23.75 0.005
GW 25 1 0 6.439 23.75 0 6.602 15.833 0.005
GW 26 1 0 6.439 23.75 -3.718 0.163 15.833 0.005
GW 27 1 0 6.439 23.75 -3.576 0.245 23.75 0.005
GW 28 1 -3.435 0.326 31.667 -3.576 0.245 23.75 0.005
GW 29 1 -3.435 0.326 31.667 3.576 0.245 23.75 0.005
GW 30 1 -3.435 0.326 31.667 3.435 0.326 31.667 0.005
GW 31 1 3.435 0.326 31.667 3.576 0.245 23.75 0.005
GW 32 1 3.435 0.326 31.667 0 6.439 23.75 0.005
GW 33 1 3.435 0.326 31.667 0 6.276 31.667 0.005
GW 34 1 0 6.276 31.667 0 6.439 23.75 0.005
GW 35 1 0 6.276 31.667 -3.576 0.245 23.75 0.005
GW 36 1 0 6.276 31.667 -3.435 0.326 31.667 0.005
GW 37 1 -3.294 0.408 39.583 -3.435 0.326 31.667 0.005
GW 38 1 -3.294 0.408 39.583 3.435 0.326 31.667 0.005
GW 39 1 -3.294 0.408 39.583 3.294 0.408 39.583 0.005
GW 40 1 3.294 0.408 39.583 3.435 0.326 31.667 0.005
GW 41 1 3.294 0.408 39.583 0 6.276 31.667 0.005
GW 42 1 3.294 0.408 39.583 0 6.113 39.583 0.005
GW 43 1 0 6.113 39.583 0 6.276 31.667 0.005
```

KRCN NEC-4 Model(Cont.)

GW	44	1	0	6.113	39.583	-3.435	0.326	31.667	0.005
GW	45	1	0	6.113	39.583	-3.294	0.408	39.583	0.005
GW	46	1	-3.153	0.489	47.5	-3.294	0.408	39.583	0.005
GW	47	1	-3.153	0.489	47.5	3.294	0.408	39.583	0.005
GW	48	1	-3.153	0.489	47.5	3.153	0.489	47.5	0.005
GW	49	1	3.153	0.489	47.5	3.294	0.408	39.583	0.005
GW	50	1	3.153	0.489	47.5	0	6.113	39.583	0.005
GW	51	1	3.153	0.489	47.5	0	5.95	47.5	0.005
GW	52	1	0	5.95	47.5	0	6.113	39.583	0.005
GW	53	1	0	5.95	47.5	-3.294	0.408	39.583	0.005
GW	54	1	0	5.95	47.5	-3.153	0.489	47.5	0.005
GW	55	1	-3.012	0.571	55.417	-3.153	0.489	47.5	0.005
GW	56	1	-3.012	0.571	55.417	3.153	0.489	47.5	0.005
GW	57	1	-3.012	0.571	55.417	3.012	0.571	55.417	0.005
GW	58	1	3.012	0.571	55.417	3.153	0.489	47.5	0.005
GW	59	1	3.012	0.571	55.417	0	5.95	47.5	0.005
GW	60	1	3.012	0.571	55.417	0	5.787	55.417	0.005
GW	61	1	0	5.787	55.417	0	5.95	47.5	0.005
GW	62	1	0	5.787	55.417	-3.153	0.489	47.5	0.005
GW	63	1	0	5.787	55.417	-3.012	0.571	55.417	0.005
GW	64	1	-2.87	0.652	63.333	-3.012	0.571	55.417	0.005
GW	65	1	-2.87	0.652	63.333	3.012	0.571	55.417	0.005
GW	66	1	-2.87	0.652	63.333	2.87	0.652	63.333	0.005
GW	67	1	2.87	0.652	63.333	3.012	0.571	55.417	0.005
GW	68	1	2.87	0.652	63.333	0	5.787	55.417	0.005
GW	69	1	2.87	0.652	63.333	0	5.624	63.333	0.005
GW	70	1	0	5.624	63.333	0	5.787	55.417	0.005
GW	71	1	0	5.624	63.333	-3.012	0.571	55.417	0.005
GW	72	1	0	5.624	63.333	-2.87	0.652	63.333	0.005
GW	73	1	-2.729	0.734	71.25	-2.87	0.652	63.333	0.005
GW	74	1	-2.729	0.734	71.25	2.87	0.652	63.333	0.005
GW	75	1	-2.729	0.734	71.25	2.729	0.734	71.25	0.005
GW	76	1	2.729	0.734	71.25	2.87	0.652	63.333	0.005
GW	77	1	2.729	0.734	71.25	0	5.624	63.333	0.005
GW	78	1	2.729	0.734	71.25	0	5.461	71.25	0.005
GW	79	1	0	5.461	71.25	0	5.624	63.333	0.005
GW	80	1	0	5.461	71.25	-2.87	0.652	63.333	0.005
GW	81	1	0	5.461	71.25	-2.729	0.734	71.25	0.005
GW	82	1	-2.588	0.815	79.167	-2.729	0.734	71.25	0.005
GW	83	1	-2.588	0.815	79.167	2.729	0.734	71.25	0.005
GW	84	1	-2.588	0.815	79.167	2.588	0.815	79.167	0.005
GW	85	1	2.588	0.815	79.167	2.729	0.734	71.25	0.005
GW	86	1	2.588	0.815	79.167	0	5.461	71.25	0.005
GW	87	1	2.588	0.815	79.167	0	5.298	79.167	0.005
GW	88	1	0	5.298	79.167	0	5.461	71.25	0.005
GW	89	1	0	5.298	79.167	-2.729	0.734	71.25	0.005
GW	90	1	0	5.298	79.167	-2.588	0.815	79.167	0.005
GW	91	1	-2.447	0.897	87.083	-2.588	0.815	79.167	0.005
GW	92	1	-2.447	0.897	87.083	2.588	0.815	79.167	0.005
GW	93	1	-2.447	0.897	87.083	2.447	0.897	87.083	0.005
GW	94	1	2.447	0.897	87.083	2.588	0.815	79.167	0.005
GW	95	1	2.447	0.897	87.083	0	5.298	79.167	0.005
GW	96	1	2.447	0.897	87.083	0	5.135	87.083	0.005

KRCN NEC-4 Model(Cont.)

GW 97 1 0 5.135 87.083 0 5.298 79.167 0.005
 GW 98 1 0 5.135 87.083 -2.588 0.815 79.167 0.005
 GW 99 1 0 5.135 87.083 -2.447 0.897 87.083 0.005
 GW 100 1 -2.306 0.978 95 -2.447 0.897 87.083 0.005
 GW 101 1 -2.306 0.978 95 2.447 0.897 87.083 0.005
 GW 102 1 -2.306 0.978 95 2.306 0.978 95 0.005
 GW 103 1 2.306 0.978 95 2.447 0.897 87.083 0.005
 GW 104 1 2.306 0.978 95 0 5.135 87.083 0.005
 GW 105 1 2.306 0.978 95 0 4.972 95 0.005
 GW 106 1 0 4.972 95 0 5.135 87.083 0.005
 GW 107 1 0 4.972 95 -2.447 0.897 87.083 0.005
 GW 108 1 0 4.972 95 -2.306 0.978 95 0.005
 GW 109 1 -2.164 1.06 102.917 -2.306 0.978 95 0.005
 GW 110 1 -2.164 1.06 102.917 2.306 0.978 95 0.005
 GW 111 1 -2.164 1.06 102.917 2.164 1.06 102.917 0.005
 GW 112 1 2.164 1.06 102.917 2.306 0.978 95 0.005
 GW 113 1 2.164 1.06 102.917 0 4.972 95 0.005
 GW 114 1 2.164 1.06 102.917 0 4.809 102.917 0.005
 GW 115 1 0 4.809 102.917 0 4.972 95 0.005
 GW 116 1 0 4.809 102.917 -2.306 0.978 95 0.005
 GW 117 1 0 4.809 102.917 -2.164 1.06 102.917 0.005
 GW 118 1 -2.023 1.141 110.833 -2.164 1.06 102.917 0.005
 GW 119 1 -2.023 1.141 110.833 2.164 1.06 102.917 0.005
 GW 120 1 -2.023 1.141 110.833 2.023 1.141 110.833 0.005
 GW 121 1 2.023 1.141 110.833 2.164 1.06 102.917 0.005
 GW 122 1 2.023 1.141 110.833 0 4.809 102.917 0.005
 GW 123 1 2.023 1.141 110.833 0 4.646 110.833 0.005
 GW 124 1 0 4.646 110.833 0 4.809 102.917 0.005
 GW 125 1 0 4.646 110.833 -2.164 1.06 102.917 0.005
 GW 126 1 0 4.646 110.833 -2.023 1.141 110.833 0.005
 GW 127 1 -1.882 1.223 118.75 -2.023 1.141 110.833 0.005
 GW 128 1 -1.882 1.223 118.75 2.023 1.141 110.833 0.005
 GW 129 1 -1.882 1.223 118.75 1.882 1.223 118.75 0.005
 GW 130 1 1.882 1.223 118.75 2.023 1.141 110.833 0.005
 GW 131 1 1.882 1.223 118.75 0 4.646 110.833 0.005
 GW 132 1 1.882 1.223 118.75 0 4.483 118.75 0.005
 GW 133 1 0 4.483 118.75 0 4.646 110.833 0.005
 GW 134 1 0 4.483 118.75 -2.023 1.141 110.833 0.005
 GW 135 1 0 4.483 118.75 -1.882 1.223 118.75 0.005
 GW 136 1 -1.741 1.304 126.667 -1.882 1.223 118.75 0.005
 GW 137 1 -1.741 1.304 126.667 1.882 1.223 118.75 0.005
 GW 138 1 -1.741 1.304 126.667 1.741 1.304 126.667 0.005
 GW 139 1 1.741 1.304 126.667 1.882 1.223 118.75 0.005
 GW 140 1 1.741 1.304 126.667 0 4.483 118.75 0.005
 GW 141 1 1.741 1.304 126.667 0 4.319 126.667 0.005
 GW 142 1 0 4.319 126.667 0 4.483 118.75 0.005
 GW 143 1 0 4.319 126.667 -1.882 1.223 118.75 0.005
 GW 144 1 0 4.319 126.667 -1.741 1.304 126.667 0.005
 GW 145 1 -1.6 1.386 134.583 -1.741 1.304 126.667 0.005
 GW 146 1 -1.6 1.386 134.583 1.741 1.304 126.667 0.005
 GW 147 1 -1.6 1.386 134.583 1.6 1.386 134.583 0.005
 GW 148 1 1.6 1.386 134.583 1.741 1.304 126.667 0.005
 GW 149 1 1.6 1.386 134.583 0 4.319 126.667 0.005
 GW 150 1 1.6 1.386 134.583 0 4.156 134.583 0.005

KRCN NEC-4 Model(Cont.)

GW 151	1	0	4.156	134.583	0	4.319	126.667	0.005
GW 152	1	0	4.156	134.583	-1.741	1.304	126.667	0.005
GW 153	1	0	4.156	134.583	-1.6	1.386	134.583	0.005
GW 154	1	-1.458	1.467	142.5	-1.6	1.386	134.583	0.005
GW 155	1	-1.458	1.467	142.5	1.6	1.386	134.583	0.005
GW 156	1	-1.458	1.467	142.5	1.458	1.467	142.5	0.005
GW 157	1	1.458	1.467	142.5	1.6	1.386	134.583	0.005
GW 158	1	1.458	1.467	142.5	0	4.156	134.583	0.005
GW 159	1	1.458	1.467	142.5	0	3.993	142.5	0.005
GW 160	1	0	3.993	142.5	0	4.156	134.583	0.005
GW 161	1	0	3.993	142.5	-1.6	1.386	134.583	0.005
GW 162	1	0	3.993	142.5	-1.458	1.467	142.5	0.005
GW 163	1	-1.317	1.549	150.417	-1.458	1.467	142.5	0.005
GW 164	1	-1.317	1.549	150.417	1.458	1.467	142.5	0.005
GW 165	1	-1.317	1.549	150.417	1.317	1.549	150.417	0.005
GW 166	1	1.317	1.549	150.417	1.458	1.467	142.5	0.005
GW 167	1	1.317	1.549	150.417	0	3.993	142.5	0.005
GW 168	1	1.317	1.549	150.417	0	3.83	150.417	0.005
GW 169	1	0	3.83	150.417	0	3.993	142.5	0.005
GW 170	1	0	3.83	150.417	-1.458	1.467	142.5	0.005
GW 171	1	0	3.83	150.417	-1.317	1.549	150.417	0.005
GW 172	1	-1.176	1.63	158.333	-1.317	1.549	150.417	0.005
GW 173	1	-1.176	1.63	158.333	1.317	1.549	150.417	0.005
GW 174	1	-1.176	1.63	158.333	1.176	1.63	158.333	0.005
GW 175	1	1.176	1.63	158.333	1.317	1.549	150.417	0.005
GW 176	1	1.176	1.63	158.333	0	3.83	150.417	0.005
GW 177	1	1.176	1.63	158.333	0	3.667	158.333	0.005
GW 178	1	0	3.667	158.333	0	3.83	150.417	0.005
GW 179	1	0	3.667	158.333	-1.317	1.549	150.417	0.005
GW 180	1	0	3.667	158.333	-1.176	1.63	158.333	0.005
GW 181	1	-1.035	1.712	166.25	-1.176	1.63	158.333	0.005
GW 182	1	-1.035	1.712	166.25	1.176	1.63	158.333	0.005
GW 183	1	-1.035	1.712	166.25	1.035	1.712	166.25	0.005
GW 184	1	1.035	1.712	166.25	1.176	1.63	158.333	0.005
GW 185	1	1.035	1.712	166.25	0	3.667	158.333	0.005
GW 186	1	1.035	1.712	166.25	0	3.504	166.25	0.005
GW 187	1	0	3.504	166.25	0	3.667	158.333	0.005
GW 188	1	0	3.504	166.25	-1.176	1.63	158.333	0.005
GW 189	1	0	3.504	166.25	-1.035	1.712	166.25	0.005
GW 190	1	-0.894	1.794	174.167	-1.035	1.712	166.25	0.005
GW 191	1	-0.894	1.794	174.167	1.035	1.712	166.25	0.005
GW 192	1	-0.894	1.794	174.167	0.894	1.794	174.167	0.005
GW 193	1	0.894	1.794	174.167	1.035	1.712	166.25	0.005
GW 194	1	0.894	1.794	174.167	0	3.504	166.25	0.005
GW 195	1	0.894	1.794	174.167	0	3.341	174.167	0.005
GW 196	1	0	3.341	174.167	0	3.504	166.25	0.005
GW 197	1	0	3.341	174.167	-1.035	1.712	166.25	0.005
GW 198	1	0	3.341	174.167	-0.894	1.794	174.167	0.005
GW 199	1	-0.752	1.875	182.083	-0.894	1.794	174.167	0.005
GW 200	1	-0.752	1.875	182.083	0.894	1.794	174.167	0.005
GW 201	1	-0.752	1.875	182.083	0.752	1.875	182.083	0.005
GW 202	1	0.752	1.875	182.083	0.894	1.794	174.167	0.005
GW 203	1	0.752	1.875	182.083	0	3.341	174.167	0.005
GW 204	1	0.752	1.875	182.083	0	3.178	182.083	0.005

KRCN NEC-4 Model(Cont.)

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GW 205 1 0 3.178 182.083 0 3.341 174.167 0.005
GW 206 1 0 3.178 182.083 -0.894 1.794 174.167 0.005
GW 207 1 0 3.178 182.083 -0.752 1.875 182.083 0.005
GW 208 1 -0.611 1.957 190 -0.752 1.875 182.083 0.005
GW 209 1 -0.611 1.957 190 0.752 1.875 182.083 0.005
GW 210 1 -0.611 1.957 190 0.611 1.957 190 0.005
GW 211 1 0.611 1.957 190 0.752 1.875 182.083 0.005
GW 212 1 0.611 1.957 190 0 3.178 182.083 0.005
GW 213 1 0.611 1.957 190 0 3.015 190 0.005
GW 214 1 0 3.015 190 0 3.178 182.083 0.005
GW 215 1 0 3.015 190 -0.752 1.875 182.083 0.005
GW 216 1 0 3.015 190 -0.611 1.957 190 0.005
GW 217 10 -23 0 13 -2.72917734 0.733709805 71.25 0.005
GW 218 2 -23 0 0 -23 0 13 0.005
GS 0 0 .3048
GE 1
GN 1
EX 0 218 1 0 1000 0
FR 0 1 0 0 1.06 1
RP 0 7 1 1000 60 0 5 1
RP 0 7 1 1000 60 355 5 1
RP 0 7 1 1000 60 350 5 1
RP 0 7 1 1000 60 345 5 1
RP 0 7 1 1000 60 340 5 1
RP 0 7 1 1000 60 335 5 1
RP 0 7 1 1000 60 330 5 1
RP 0 7 1 1000 60 325 5 1
RP 0 7 1 1000 60 320 5 1
RP 0 7 1 1000 60 315 5 1
RP 0 7 1 1000 60 310 5 1
RP 0 7 1 1000 60 305 5 1
RP 0 7 1 1000 60 300 5 1
RP 0 7 1 1000 60 295 5 1
RP 0 7 1 1000 60 290 5 1
RP 0 7 1 1000 60 285 5 1
RP 0 7 1 1000 60 280 5 1
RP 0 7 1 1000 60 275 5 1
RP 0 7 1 1000 60 270 5 1
RP 0 7 1 1000 60 265 5 1
RP 0 7 1 1000 60 260 5 1
RP 0 7 1 1000 60 255 5 1
RP 0 7 1 1000 60 250 5 1
RP 0 7 1 1000 60 245 5 1
RP 0 7 1 1000 60 240 5 1
RP 0 7 1 1000 60 235 5 1
RP 0 7 1 1000 60 230 5 1
RP 0 7 1 1000 60 225 5 1
RP 0 7 1 1000 60 220 5 1
RP 0 7 1 1000 60 215 5 1
RP 0 7 1 1000 60 210 5 1
RP 0 7 1 1000 60 205 5 1
RP 0 7 1 1000 60 200 5 1
RP 0 7 1 1000 60 195 5 1
RP 0 7 1 1000 60 190 5 1

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KRCN NEC-4 Model(Cont.)

RP 0 7 1 1000 60 185 5 1
RP 0 7 1 1000 60 180 5 1
RP 0 7 1 1000 60 175 5 1
RP 0 7 1 1000 60 170 5 1
RP 0 7 1 1000 60 165 5 1
RP 0 7 1 1000 60 160 5 1
RP 0 7 1 1000 60 155 5 1
RP 0 7 1 1000 60 150 5 1
RP 0 7 1 1000 60 145 5 1
RP 0 7 1 1000 60 140 5 1
RP 0 7 1 1000 60 135 5 1
RP 0 7 1 1000 60 130 5 1
RP 0 7 1 1000 60 125 5 1
RP 0 7 1 1000 60 120 5 1
RP 0 7 1 1000 60 115 5 1
RP 0 7 1 1000 60 110 5 1
RP 0 7 1 1000 60 105 5 1
RP 0 7 1 1000 60 100 5 1
RP 0 7 1 1000 60 95 5 1
RP 0 7 1 1000 60 90 5 1
RP 0 7 1 1000 60 85 5 1
RP 0 7 1 1000 60 80 5 1
RP 0 7 1 1000 60 75 5 1
RP 0 7 1 1000 60 70 5 1
RP 0 7 1 1000 60 65 5 1
RP 0 7 1 1000 60 60 5 1
RP 0 7 1 1000 60 55 5 1
RP 0 7 1 1000 60 50 5 1
RP 0 7 1 1000 60 45 5 1
RP 0 7 1 1000 60 40 5 1
RP 0 7 1 1000 60 35 5 1
RP 0 7 1 1000 60 30 5 1
RP 0 7 1 1000 60 25 5 1
RP 0 7 1 1000 60 20 5 1
RP 0 7 1 1000 60 15 5 1
RP 0 7 1 1000 60 10 5 1
RP 0 7 1 1000 60 5 5 1
EN

Figure 6
Sheet 1 of 6

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=0		Azim=5		Azim=10		Azim=15	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.980	0.0%	0.980	0.0%	0.980	0.0%	0.980	0.0%
15	0.956	0.956	0.0%	0.956	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.923	0.1%	0.923	0.1%	0.923	0.1%	0.923	0.0%
25	0.882	0.881	0.1%	0.881	0.1%	0.881	0.1%	0.882	0.1%
30	0.834	0.833	0.2%	0.833	0.1%	0.833	0.1%	0.833	0.1%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=20		Azim=25		Azim=30		Azim=35	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.980	0.0%	0.980	0.0%	0.980	0.0%	0.980	0.0%
15	0.956	0.956	0.0%	0.956	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.923	0.0%	0.923	0.0%	0.923	0.0%	0.923	0.0%
25	0.882	0.882	0.1%	0.882	0.1%	0.882	0.0%	0.882	0.0%
30	0.834	0.833	0.1%	0.833	0.1%	0.833	0.1%	0.834	0.0%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=40		Azim=45		Azim=50		Azim=55	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.980	0.0%	0.980	0.0%	0.980	0.0%	0.981	0.0%
15	0.956	0.956	0.0%	0.956	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.923	0.0%	0.923	0.0%	0.923	0.0%	0.924	0.0%
25	0.882	0.882	0.0%	0.882	0.0%	0.882	0.0%	0.883	0.0%
30	0.834	0.834	0.0%	0.834	0.0%	0.834	0.0%	0.834	0.1%

Figure 6
Sheet 2 of 6

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=60		Azim=65		Azim=70		Azim=75	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.981	0.0%
15	0.956	0.956	0.0%	0.957	0.0%	0.957	0.0%	0.957	0.0%
20	0.923	0.924	0.0%	0.924	0.0%	0.924	0.1%	0.924	0.1%
25	0.882	0.883	0.1%	0.883	0.1%	0.883	0.1%	0.883	0.1%
30	0.834	0.835	0.1%	0.835	0.1%	0.835	0.1%	0.836	0.2%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=80		Azim=85		Azim=90		Azim=95	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.981	0.0%
15	0.956	0.957	0.1%	0.957	0.1%	0.957	0.1%	0.957	0.1%
20	0.923	0.924	0.1%	0.924	0.1%	0.924	0.1%	0.925	0.2%
25	0.882	0.884	0.2%	0.884	0.2%	0.884	0.2%	0.884	0.2%
30	0.834	0.836	0.2%	0.836	0.3%	0.836	0.3%	0.837	0.3%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=100		Azim=105		Azim=110		Azim=115	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.981	0.0%
15	0.956	0.957	0.1%	0.957	0.1%	0.957	0.1%	0.957	0.1%
20	0.923	0.925	0.2%	0.925	0.2%	0.925	0.2%	0.925	0.2%
25	0.882	0.885	0.3%	0.885	0.3%	0.885	0.3%	0.885	0.3%
30	0.834	0.837	0.4%	0.837	0.4%	0.838	0.4%	0.838	0.5%

Figure 6
Sheet 3 of 6

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=120		Azim=125		Azim=130		Azim=135	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.1%	0.981	0.1%	0.981	0.1%
15	0.956	0.957	0.1%	0.958	0.1%	0.958	0.1%	0.958	0.1%
20	0.923	0.925	0.2%	0.925	0.2%	0.926	0.2%	0.926	0.3%
25	0.882	0.885	0.3%	0.886	0.4%	0.886	0.4%	0.886	0.4%
30	0.834	0.838	0.5%	0.838	0.5%	0.839	0.6%	0.839	0.6%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=140		Azim=145		Azim=150		Azim=155	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.1%	0.981	0.1%	0.981	0.1%	0.981	0.1%
15	0.956	0.958	0.1%	0.958	0.1%	0.958	0.2%	0.958	0.2%
20	0.923	0.926	0.3%	0.926	0.3%	0.926	0.3%	0.926	0.3%
25	0.882	0.886	0.4%	0.886	0.4%	0.886	0.4%	0.886	0.5%
30	0.834	0.839	0.6%	0.839	0.6%	0.839	0.7%	0.840	0.7%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=160		Azim=165		Azim=170		Azim=175	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.1%	0.981	0.1%	0.981	0.1%	0.981	0.1%
15	0.956	0.958	0.2%	0.958	0.2%	0.958	0.2%	0.958	0.2%
20	0.923	0.926	0.3%	0.926	0.3%	0.926	0.3%	0.926	0.3%
25	0.882	0.886	0.5%	0.886	0.5%	0.886	0.5%	0.886	0.5%
30	0.834	0.840	0.7%	0.840	0.7%	0.840	0.7%	0.840	0.7%

Figure 6
Sheet 4 of 6

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=180		Azim=185		Azim=190		Azim=195	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.1%	0.981	0.1%	0.981	0.1%	0.981	0.1%
15	0.956	0.958	0.2%	0.958	0.2%	0.958	0.2%	0.958	0.2%
20	0.923	0.926	0.3%	0.926	0.3%	0.926	0.3%	0.926	0.3%
25	0.882	0.886	0.5%	0.886	0.5%	0.886	0.5%	0.886	0.4%
30	0.834	0.840	0.7%	0.840	0.7%	0.840	0.7%	0.839	0.7%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=200		Azim=205		Azim=210		Azim=215	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.1%	0.981	0.1%	0.981	0.1%	0.981	0.1%
15	0.956	0.958	0.1%	0.958	0.1%	0.958	0.1%	0.958	0.1%
20	0.923	0.926	0.3%	0.926	0.3%	0.926	0.2%	0.926	0.2%
25	0.882	0.886	0.4%	0.886	0.4%	0.886	0.4%	0.886	0.4%
30	0.834	0.839	0.6%	0.839	0.6%	0.839	0.6%	0.839	0.6%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=220		Azim=225		Azim=230		Azim=235	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.981	0.0%
15	0.956	0.957	0.1%	0.957	0.1%	0.957	0.1%	0.957	0.1%
20	0.923	0.925	0.2%	0.925	0.2%	0.925	0.2%	0.925	0.2%
25	0.882	0.886	0.4%	0.885	0.3%	0.885	0.3%	0.885	0.3%
30	0.834	0.838	0.5%	0.838	0.5%	0.838	0.5%	0.838	0.4%

Figure 6
Sheet 5 of 6

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=240		Azim=245		Azim=250		Azim=255	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.981	0.0%
15	0.956	0.957	0.1%	0.957	0.1%	0.957	0.1%	0.957	0.1%
20	0.923	0.925	0.2%	0.925	0.2%	0.925	0.1%	0.924	0.1%
25	0.882	0.885	0.3%	0.885	0.3%	0.884	0.2%	0.884	0.2%
30	0.834	0.837	0.4%	0.837	0.4%	0.837	0.3%	0.837	0.3%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=260		Azim=265		Azim=270		Azim=275	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.981	0.0%
15	0.956	0.957	0.1%	0.957	0.1%	0.957	0.0%	0.957	0.0%
20	0.923	0.924	0.1%	0.924	0.1%	0.924	0.1%	0.924	0.1%
25	0.882	0.884	0.2%	0.884	0.2%	0.883	0.1%	0.883	0.1%
30	0.834	0.836	0.3%	0.836	0.2%	0.836	0.2%	0.835	0.2%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=280		Azim=285		Azim=290		Azim=295	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.981	0.0%	0.981	0.0%	0.981	0.0%	0.980	0.0%
15	0.956	0.957	0.0%	0.957	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.924	0.1%	0.924	0.0%	0.924	0.0%	0.923	0.0%
25	0.882	0.883	0.1%	0.883	0.1%	0.883	0.0%	0.882	0.0%
30	0.834	0.835	0.1%	0.835	0.1%	0.834	0.1%	0.834	0.0%

Figure 6
Sheet 6 of 6

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=300		Azim=305		Azim=310		Azim=315	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.980	0.0%	0.980	0.0%	0.980	0.0%	0.980	0.0%
15	0.956	0.956	0.0%	0.956	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.923	0.0%	0.923	0.0%	0.923	0.0%	0.923	0.0%
25	0.882	0.882	0.0%	0.882	0.0%	0.882	0.0%	0.882	0.0%
30	0.834	0.834	0.0%	0.834	0.0%	0.833	0.1%	0.833	0.1%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=320		Azim=325		Azim=330		Azim=335	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.980	0.0%	0.980	0.0%	0.980	0.0%	0.980	0.0%
15	0.956	0.956	0.0%	0.956	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.923	0.0%	0.923	0.0%	0.923	0.1%	0.923	0.1%
25	0.882	0.882	0.1%	0.882	0.1%	0.882	0.1%	0.881	0.1%
30	0.834	0.833	0.1%	0.833	0.1%	0.833	0.1%	0.833	0.1%

Comparison of Calculated Vertical Radiation Characteristics									
Frequency= 1060 kHz				Tower Height= 190 feet (73.7 degrees)					
		Azim=340		Azim=345		Azim=350		Azim=355	
Elevation Angle (deg)	FCC Form Factor	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)	Relative Field	Difference (%)
0	1.000	1.000	0.0%	1.000	0.0%	1.000	0.0%	1.000	0.0%
5	0.995	0.995	0.0%	0.995	0.0%	0.995	0.0%	0.995	0.0%
10	0.980	0.980	0.0%	0.980	0.0%	0.980	0.0%	0.980	0.0%
15	0.956	0.956	0.0%	0.956	0.0%	0.956	0.0%	0.956	0.0%
20	0.923	0.923	0.1%	0.923	0.1%	0.923	0.1%	0.923	0.1%
25	0.882	0.881	0.1%	0.881	0.1%	0.881	0.1%	0.881	0.1%
30	0.834	0.833	0.1%	0.833	0.2%	0.833	0.2%	0.833	0.2%