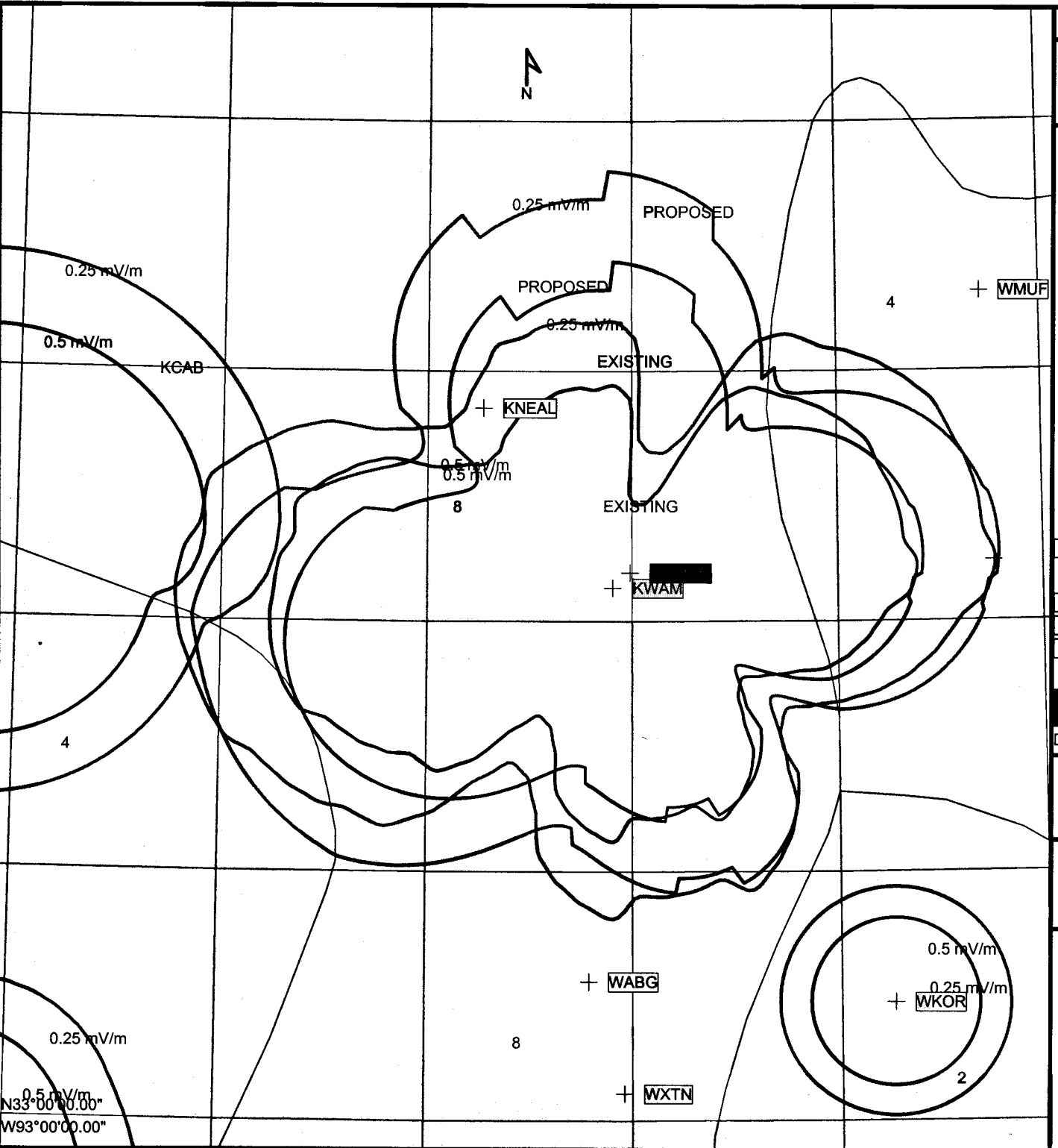


AMW™: KWAMD980.am

Prop. method: Groundwave equivalent distance
Ground conduct. map type: US M3
Skywave departure angle method: median
Percent time for skywave field: 10%

Sites

Call sign: KCAB Power: 5.000 kW
Pattern: ND-U Frequency: 980 kHz
Coordinates: N35°12'20.00" W93°10'08.00"

Call sign: KMBZ Power: 5.000 kW
Pattern: ND-U Frequency: 980 kHz
Coordinates: N39°02'17.00" W94°36'55.00"

Call sign: KWAM Power: 10.000 kW
Pattern: DA-U Frequency: 990 kHz
Coordinates: N35°08'04.00" W90°05'38.00"

Call sign: KWAMA* Power: 10.000 kW
Pattern: DA-U Frequency: 990 kHz
Coordinates: N35°11'41.00" W90°00'3[illegible]00"

Call sign: KOKA Power: 5.000 kW
Pattern: ND-D Frequency: 980 kHz
Coordinates: N32°31'30.00" W93°48'30.00"

Reference Grid (spacing: 1 degree)

AM Allocation Map

Conductivity map
Existing station service contours
Existing station interference contours

Field strength at remote

= 0.500 mV/m
= 0.250 mV/m

Display threshold level: -120.0 dBmW

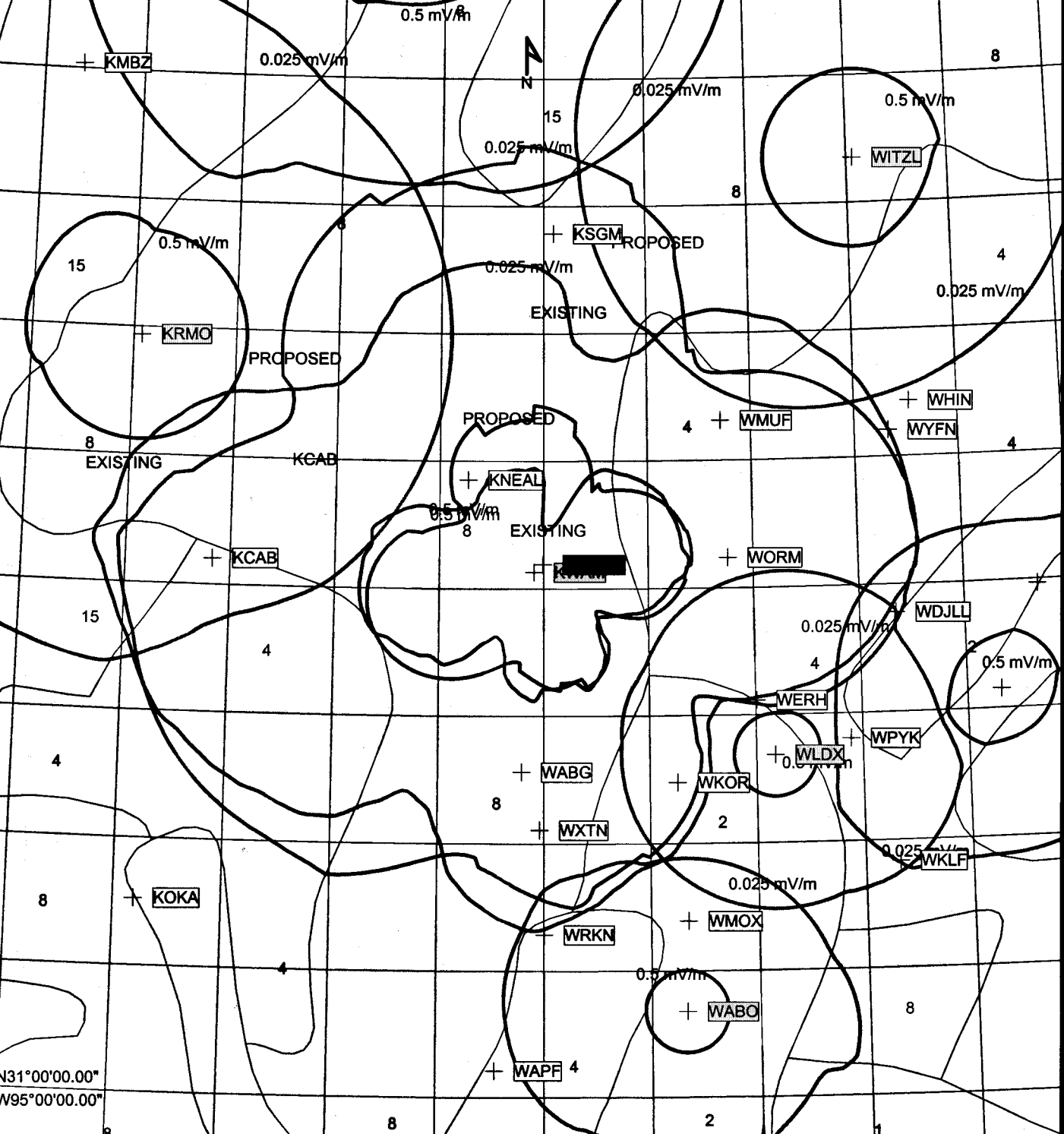
KILOMETERS

-25 0 100

RADIO STATION KWAM

ALLOCATION STUDY-980 KHZ

E1-6A 20010824



AMW™: KWAMD990.am

Prop. method: Groundwave equivalent distance
Ground conduct. map type: US M3
Skywave departure angle method: median
Percent time for skywave field: 10%

Sites

Call sign: WCAZ Power: 1.000 kW
Pattern: ND-U Frequency: 990 kHz
Coordinates: N40°24'30.00" W91°10'15.00"

Call sign: KRMO Power: 2.500 kW
Pattern: ND-U Frequency: 990 kHz
Coordinates: N36°56'15.00" W93°55'30.00"

Call sign: WEIS Power: 1.000 kW
Pattern: ND-U Frequency: 990 kHz
Coordinates: N34°09'10.00" W85°40'44.00"

Call sign: WLDX Power: 1.000 kW
Pattern: ND-U Frequency: 990 kHz
Coordinates: N33°41'06.00" W87°49'16.00"

Call sign: WITZL Power: 1.000 kW
Pattern: ND-U Frequency: 990 kHz
Coordinates: N38°21'02.00" W86°56'26.00"

Reference Grid (spacing: 1 degree)

AM Allocation Map

Conductivity map
Existing station service contours
Existing station interference contours

Field strength at remote

= 0.500 mV/m
= 0.025 mV/m

Display threshold level: -120.0 dBmW

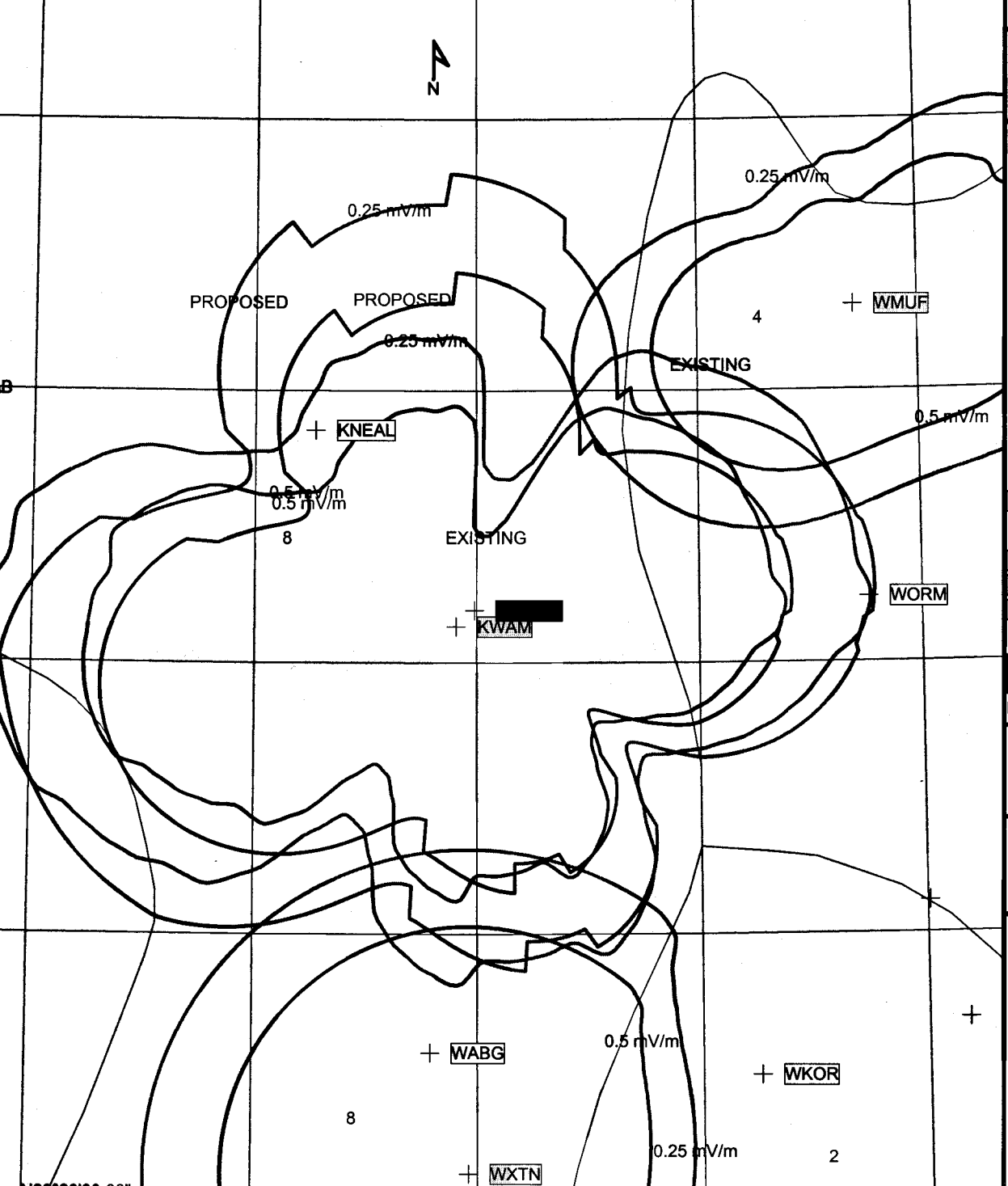
KILOMETERS

-100 0 100

RADIO STATION KWAM

ALLOCATION STUDY-990 KHZ

E1-6B 20010824



AMW™: KWAMD1000am.am

Prop. method: Groundwave equivalent distance
Ground conduct. map type: US M3
Skywave departure angle method: median
Percent time for skywave field: 10%

Sites

Call sign: WXTN Power: 5.000 kW
Pattern: ND-D Frequency: 1000 kHz
Coordinates: N33°06'39.00" W90°02'21.00"

Call sign: KWAM Power: 10.000 kW
Pattern: DA-U Frequency: 990 kHz
Coordinates: N35°08'04.00" W90°05'38.00"

Call sign: WMUF Power: 5.000 kW
Pattern: DA-D Frequency: 1000 kHz
Coordinates: N36°18'50.00" W88°17'33.00"

Call sign: KWAMA* Power: 10.000 kW
Pattern: DA-U Frequency: 990 kHz
Coordinates: N35°11'41.00" W90°00'3[illegible].00"

Reference Grid (spacing: 1 degree)

AM Allocation Map

Conductivity map
Existing station service contours
Existing station interference contours

Field strength at remote

= 0.500 mV/m
= 0.250 mV/m

Display threshold level: -120.0 dBmW

KILOMETERS

-25 0 100

RADIO STATION KWAM

ALLOCATION STUDY-1000 KHZ

E1-6C 20010824

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EXHIBIT E1-7A
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

DARDANELLE, AR
Call: KCAB
Coordinates: 35 12 20.00 93 10 08.00
Frequency: 980 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.250
10.0	766.50	106.12	139.61
15.0	766.50	106.17	139.67
20.0	766.50	106.18	139.67
25.0	766.50	106.15	139.64
30.0	766.50	106.07	139.57
35.0	766.50	105.95	139.44
40.0	766.50	105.78	139.27
45.0	766.50	105.53	139.03
50.0	766.50	105.22	138.71
55.0	766.50	104.81	138.31
60.0	766.50	104.28	137.78
65.0	766.50	103.58	137.07
70.0	766.50	102.66	136.15
75.0	766.50	101.40	134.89
80.0	766.50	99.67	133.16
85.0	766.50	97.17	130.67
90.0	766.50	93.48	126.97
95.0	766.50	87.66	121.15
100.0	766.50	77.51	111.00
105.0	766.50	76.20	102.03
110.0	766.50	76.20	102.03
115.0	766.50	76.20	102.03
120.0	766.50	76.20	102.03
125.0	766.50	76.20	102.03
130.0	766.50	76.20	102.03
135.0	766.50	76.20	102.03
140.0	766.50	76.20	102.03
145.0	766.50	76.20	102.03
150.0	766.50	76.20	102.03
155.0	766.50	76.20	102.03
160.0	766.50	76.20	102.03
165.0	766.50	76.20	102.03
170.0	766.50	76.20	102.03

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EXHIBIT E1-7A, PAGE-2
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

STARKVILLE, MS
Call: WKOR
Coordinates: 33 28 44.00 88 44 40.00
Frequency: 980 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.250
270.0	326.70	37.26	50.97
275.0	326.70	37.26	50.97
280.0	326.70	37.26	50.97
285.0	326.70	37.26	50.97
290.0	326.70	37.26	50.97
295.0	326.70	37.26	50.97
300.0	326.70	37.26	50.97
305.0	326.70	37.26	50.97
310.0	326.70	37.26	50.97
315.0	326.70	37.26	50.97
320.0	326.70	37.26	50.97
325.0	326.70	37.26	50.97
330.0	326.70	37.26	50.97
335.0	326.70	37.26	50.97
340.0	326.70	37.26	50.97
345.0	326.70	37.26	50.97
350.0	326.70	37.26	50.97
355.0	326.70	37.26	50.97

CASSVILLE, MO
Call: KRMO
Coordinates: 36 56 15.00 93 55 30.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
30.0	478.39	91.22	274.33
35.0	478.39	91.22	268.59
40.0	478.39	91.22	268.59
45.0	478.39	91.22	268.59
50.0	478.39	91.22	268.59
55.0	478.39	91.22	268.59
60.0	478.39	91.22	268.59
65.0	478.39	91.22	268.59
70.0	478.39	91.22	268.59
75.0	478.39	91.22	268.59
80.0	478.39	91.22	268.59
85.0	478.39	91.22	268.59
90.0	478.39	91.22	268.59
95.0	478.39	91.22	268.59
100.0	478.39	91.22	268.59
105.0	478.39	91.22	268.59
110.0	478.39	91.22	268.59
115.0	478.39	91.22	268.59
120.0	478.39	91.22	268.59
125.0	478.39	91.22	268.59
130.0	478.39	91.22	268.59
135.0	478.39	91.22	268.59
140.0	478.39	91.22	268.59

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EXHIBIT E1-7A, PAGE-3
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

CASSVILLE, MO
Call: KRMO
Coordinates: 36 56 15.00 93 55 30.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
145.0	478.39	91.22	266.20
150.0	478.39	91.22	262.42
155.0	478.39	91.22	259.26
160.0	478.39	91.22	256.63
165.0	478.39	91.22	258.53
170.0	478.39	91.22	265.85
175.0	478.39	91.22	272.87
180.0	478.39	91.22	280.38
185.0	478.39	91.22	285.91
190.0	478.39	91.22	284.40

JASPER, IN
Call: WITZ
Coordinates: 38 21 02.00 86 56 26.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
130.6	317.04	67.59	193.26
135.6	317.04	68.18	193.84
140.6	317.04	68.92	194.59
145.6	317.04	69.88	195.55
150.6	317.04	71.13	196.79
155.6	317.04	72.77	198.44
160.6	317.04	74.85	200.51
165.6	317.04	77.28	203.16
170.6	317.04	77.28	205.58
175.6	317.04	77.28	208.62
180.6	317.04	77.28	212.54
185.6	317.04	77.28	216.41
190.6	317.04	77.28	220.60
195.6	317.04	77.28	224.74
200.6	317.04	77.28	228.81
205.6	317.04	77.28	231.39
210.6	317.04	77.28	233.01
215.6	317.04	77.28	233.75
220.6	317.04	77.28	232.90
225.6	317.04	77.28	232.05
230.6	317.04	77.28	232.01
235.6	317.04	77.28	236.36
240.6	317.04	77.28	236.36
245.6	317.04	77.28	236.36
250.6	317.04	77.28	236.36
255.6	317.04	77.28	236.36
260.6	317.04	77.28	236.36
265.6	317.04	77.28	236.36
270.6	317.04	77.28	236.63
275.6	317.04	77.28	239.16
280.6	317.04	77.28	241.13
285.6	317.04	77.28	242.39

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EXHIBIT E1-7A, PAGE-4
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

HUNTSVILLE, AL
Call: WDJL
Coordinates: 34 46 47.00 86 39 16.00
Frequency: 1000 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.250
200.1	546.86	49.54	66.77
205.1	537.99	50.07	67.17
210.1	492.59	49.85	66.31
215.1	412.46	50.63	65.84
220.1	383.83	56.82	76.25
225.1	422.10	59.16	79.41
230.1	472.98	62.09	83.34
235.1	520.51	64.66	86.78
240.1	649.32	71.02	95.22
245.1	768.85	76.30	102.16
250.1	872.13	80.52	107.63
255.1	956.31	83.72	111.77
260.1	1020.72	86.06	114.79
265.1	1065.82	87.64	116.84
270.1	1133.18	89.93	119.77
275.1	1140.10	90.16	120.07
280.1	1105.81	89.01	118.59
285.1	1101.29	88.86	118.40
290.1	1059.20	87.41	116.55
295.1	986.23	84.82	113.19
300.1	897.50	81.51	108.91
305.1	804.08	77.77	104.07
310.1	707.92	73.67	98.71
315.1	602.60	68.81	92.29
320.1	474.39	62.17	83.45
325.1	394.95	57.51	77.18
330.1	392.31	57.35	76.96
335.1	450.62	60.82	81.65
340.1	520.35	64.66	86.77
345.1	551.16	66.25	88.89
350.1	555.18	66.46	89.16
355.1	546.38	66.01	88.57

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EXHIBIT E1-7A, PAGE-5
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

FAYETTE, AL
Call: WLDX
Coordinates: 33 41 06.00 87 49 16.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
0.0	302.56	36.32	160.00
5.0	302.56	37.20	160.87
10.0	302.56	37.90	161.57
15.0	302.56	38.45	162.13
20.0	302.56	38.89	162.57
25.0	302.56	39.23	162.90
30.0	302.56	39.57	163.25
35.0	302.56	39.88	163.56
40.0	302.56	40.11	163.78
45.0	302.56	40.25	149.90
50.0	302.56	40.32	147.19
200.0	302.56	35.99	133.66
205.0	302.56	35.99	133.66
210.0	302.56	35.99	133.66
215.0	302.56	35.99	133.66
220.0	302.56	35.99	133.66
225.0	302.56	35.99	133.66
230.0	302.56	35.99	133.66
235.0	302.56	35.99	133.66
240.0	302.56	35.99	133.66
245.0	302.56	35.99	133.66
250.0	302.56	35.99	133.66
255.0	302.56	35.99	133.66
260.0	302.56	35.99	133.66
265.0	302.56	35.99	133.66
270.0	302.56	35.99	133.66
275.0	302.56	35.99	133.66
280.0	302.56	35.99	134.99
285.0	302.56	35.99	136.12
290.0	302.56	35.99	136.83
295.0	302.56	35.99	137.10
300.0	302.56	35.99	136.19

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EXHIBIT E1-7A, PAGE-6
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

FAYETTE, AL
Call: WLDX
Coordinates: 33 41 06.00 87 49 16.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
305.0	302.56	35.99	136.52
310.0	302.56	35.99	139.34
315.0	302.56	35.99	142.33
320.0	302.56	35.99	145.52
325.0	302.56	35.99	148.39
330.0	302.56	35.99	150.67
335.0	302.56	35.99	152.77
340.0	302.56	35.99	154.80
345.0	302.56	35.99	156.32
350.0	302.56	35.99	157.52
355.0	302.56	35.99	158.90

WAYNESBORO, MS
Call: WABO
Coordinates: 31 40 48.00 88 40 34.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
0.0	304.17	36.08	133.94
5.0	304.17	36.08	133.94
10.0	304.17	36.08	133.94
15.0	304.17	36.08	133.94
20.0	304.17	36.08	133.94
25.0	304.17	36.08	133.94
30.0	304.17	36.08	133.94
300.0	304.17	36.19	161.32
305.0	304.17	36.08	162.67
310.0	304.17	36.08	164.02
315.0	304.17	36.08	160.62
320.0	304.17	36.08	154.62
325.0	304.17	36.08	148.59

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EXHIBIT E1-7A, PAGE-7
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

WAYNESBORO, MS
Call: WABO
Coordinates: 31 40 48.00 88 40 34.00
Frequency: 990 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
330.0	304.17	36.08	146.32
335.0	304.17	36.08	143.79
340.0	304.17	36.08	139.82
345.0	304.17	36.08	133.94
350.0	304.17	36.08	133.94
355.0	304.17	36.08	133.94

PARIS, TN
Call: WMUF
Coordinates: 36 18 50.00 88 17 33.00
Frequency: 1000 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.025
150.0	416.31	58.81	78.94
155.0	402.27	57.96	77.79
160.0	397.59	57.68	77.40
165.0	402.27	57.96	77.79
170.0	416.31	58.81	78.94
175.0	439.64	60.19	80.80
180.0	472.05	62.04	83.27
185.0	513.04	64.27	86.25
190.0	561.77	66.79	89.61
195.0	616.97	69.50	93.21
200.0	676.99	72.29	96.89
205.0	739.78	75.05	100.54
210.0	802.98	77.73	104.01
215.0	863.98	80.20	107.21
220.0	920.04	82.37	110.02
225.0	968.46	84.17	112.35
230.0	1006.66	85.56	114.14

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EXHIBIT E1-7A, PAGE-8
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

PARIS, TN
Call: WMUF
Coordinates: 36 18 50.00 88 17 33.00
Frequency: 1000 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.250
235.0	1032.40	86.47	115.82
240.0	1043.93	86.88	117.75
245.0	1040.11	86.75	118.87
250.0	1020.48	86.05	119.02
255.0	985.37	84.79	117.94
260.0	935.81	82.96	115.69
265.0	873.54	80.58	112.35
270.0	800.85	77.64	108.07
275.0	720.50	74.22	102.67
280.0	635.50	70.38	96.27
285.0	549.07	66.15	88.91
290.0	464.49	61.61	82.71
295.0	385.15	56.90	76.36
300.0	314.59	52.21	70.08
305.0	256.63	47.88	64.28
310.0	215.07	44.39	59.63
315.0	192.10	42.30	56.84
320.0	185.76	41.69	56.04
325.0	189.87	42.09	56.56
330.0	197.53	42.81	57.52

LEXINGTON, MS
Call: WXTN
Coordinates: 33 06 39.00 90 02 21.00
Frequency: 1000 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.250
0.0	633.34	101.91	133.31
5.0	633.34	101.91	133.31
10.0	633.34	101.91	133.31
15.0	633.34	101.91	133.31
20.0	633.34	101.91	133.31

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EXHIBIT E1-7A, PAGE-9
TABULATION OF DISTANCES TO CONTOURS
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

LEXINGTON, MS
Call: WXTN
Coordinates: 33 06 39.00 90 02 21.00
Frequency: 1000 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers: Contour levels in mV/m. 0.500	0.250
25.0	633.34	101.91	133.31
30.0	633.34	101.91	133.31
35.0	633.34	101.91	133.31
40.0	633.34	101.91	130.55
45.0	633.34	99.37	117.71
50.0	633.34	91.92	110.26
55.0	633.34	86.59	104.93
60.0	633.34	82.86	101.20
300.0	633.34	101.91	133.31
305.0	633.34	101.91	133.31
310.0	633.34	101.91	133.31
315.0	633.34	101.91	133.31
320.0	633.34	101.91	133.31
325.0	633.34	101.91	133.31
330.0	633.34	101.91	133.31
335.0	633.34	101.91	133.31
340.0	633.34	101.91	133.31
345.0	633.34	101.91	133.31
350.0	633.34	101.91	133.31
355.0	633.34	101.91	133.31

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P.O. Box 356 McKinney, Texas 75070
MEMBER AFCCE
(972) 542-2056

EXHIBIT E1-7B
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: KCAB
DARDANELLE, AR
Coordinates: 35 12 20.00 93 10 0-8.00
Frequency: 980 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
10.0	766.50	4.0E	11.0	8.0E	419.7	15.0E	663.3	8.0E	847.7
15.0	766.50	4.0E	10.9	8.0E	527.5	15.0E	645.0	8.0E	858.5
20.0	766.50	4.0E	10.9	8.0E	1551.9				
25.0	766.50	4.0E	10.9	8.0E	978.1	15.0E	1025.1	8.0E	1551.9
30.0	766.50	4.0E	11.1	8.0E	415.1	15.0E	833.5	8.0E	1085.1
35.0	766.50	4.0E	11.3	8.0E	406.0	15.0E	719.3	8.0E	971.0
40.0	766.50	4.0E	11.6	8.0E	411.1	15.0E	563.3	8.0E	955.7
45.0	766.50	4.0E	12.1	8.0E	809.7	15.0E	947.9	8.0E	1172.1
50.0	766.50	4.0E	12.7	8.0E	904.2	15.0E	1001.0	8.0E	1037.5
55.0	766.50	4.0E	13.5	8.0E	1551.9				
60.0	766.50	4.0E	14.5	8.0E	418.5	4.0E	449.0	8.0E	668.8
65.0	766.50	4.0E	15.7	8.0E	388.3	4.0E	458.4	8.0E	607.6
70.0	766.50	4.0E	17.4	8.0E	369.4	4.0E	802.2	8.0E	875.2
75.0	766.50	4.0E	19.6	8.0E	357.6	4.0E	759.0	2.0E	1018.1
80.0	766.50	4.0E	22.6	8.0E	353.1	4.0E	749.4	2.0E	918.8
85.0	766.50	4.0E	27.1	8.0E	354.3	4.0E	674.3	2.0E	1134.0
90.0	766.50	4.0E	33.9	8.0E	364.1	4.0E	620.9	2.0E	717.1
95.0	766.50	4.0E	46.0	8.0E	377.4	4.0E	583.1	2.0E	688.1
100.0	766.50	4.0E	72.2	8.0E	387.6	4.0E	561.5	2.0E	651.9
105.0	766.50	4.0E	119.3	8.0E	393.3	2.0E	528.0	4.0E	678.0
110.0	766.50	4.0E	145.6	8.0E	391.3	2.0E	581.7	4.0E	1166.8
115.0	766.50	4.0E	162.4	8.0E	391.3	2.0E	615.3	4.0E	698.8
120.0	766.50	4.0E	177.6	8.0E	396.0	2.0E	636.1	8.0E	769.5
125.0	766.50	4.0E	194.4	8.0E	408.1	2.0E	649.5	8.0E	743.6
130.0	766.50	4.0E	207.4	8.0E	430.1	2.0E	460.0	4.0E	523.9
135.0	766.50	4.0E	216.1	8.0E	430.5	4.0E	547.2	2.0E	696.3
140.0	766.50	4.0E	226.5	8.0E	430.5	4.0E	570.8	2.0E	693.2
145.0	766.50	4.0E	239.8	8.0E	469.0	4.0E	604.3	2.0E	655.1
150.0	766.50	4.0E	255.7	8.0E	502.0	4.0E	622.1	15.0E	632.5
155.0	766.50	4.0E	275.1	8.0E	532.6	4.0E	587.1	15.0E	687.1
160.0	766.50	4.0E	300.5	8.0E	595.5	15.0E	708.4	5000.0E	1551.9
165.0	766.50	4.0E	368.2	8.0E	586.7	15.0E	650.7	5000.0E	1551.9
170.0	766.50	4.0E	437.2	8.0E	519.8	15.0E	542.3	8.0E	577.3

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EXHIBIT E1-7B, PAGE-2
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: WKOR
STARKVILLE, MS
Coordinates: 33 28 44.00 88 44 40.00
Frequency: 980 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
270.0	326.70	2.0E	63.3	8.0E	272.3	4.0E	624.6	30.0E	765.8
275.0	326.70	2.0E	61.2	8.0E	264.1	4.0E	598.4	30.0E	650.0
280.0	326.70	2.0E	59.8	8.0E	258.3	4.0E	512.4	15.0E	751.5
285.0	326.70	2.0E	58.8	8.0E	256.1	4.0E	496.0	15.0E	766.6
290.0	326.70	2.0E	58.3	8.0E	265.1	4.0E	479.8	15.0E	731.6
295.0	326.70	2.0E	58.3	8.0E	281.9	4.0E	470.6	15.0E	545.1
300.0	326.70	2.0E	58.5	8.0E	667.3	15.0E	728.1	30.0E	1347.4
305.0	326.70	2.0E	59.1	8.0E	658.9	15.0E	718.0	30.0E	1347.4
310.0	326.70	2.0E	60.3	8.0E	667.0	15.0E	778.7	30.0E	1347.4
315.0	326.70	2.0E	61.9	8.0E	654.9	15.0E	838.4	30.0E	983.7
320.0	326.70	2.0E	64.1	8.0E	667.6	15.0E	890.9	30.0E	960.5
325.0	326.70	2.0E	67.0	8.0E	670.4	15.0E	937.8	30.0E	1347.4
330.0	326.70	2.0E	70.8	8.0E	676.4	15.0E	1347.4		
335.0	326.70	2.0E	75.6	8.0E	694.0	15.0E	1159.2	30.0E	1347.4
340.0	326.70	2.0E	82.5	8.0E	740.8	15.0E	1216.5	30.0E	1247.1
345.0	326.70	2.0E	93.9	8.0E	526.4	15.0E	644.8	8.0E	752.6
350.0	326.70	2.0E	94.4	4.0E	297.0	8.0E	532.4	15.0E	717.5
355.0	326.70	2.0E	92.7	4.0E	385.6	8.0E	574.4	15.0E	784.7

Call: KRMO
CASSVILLE, MO
Coordinates: 36 56 15.00 93 55 30.00
Frequency: 990 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
30.0	478.39	8.0E	227.8	15.0E	485.5	8.0E	891.4	15.0E	975.0
35.0	478.39	8.0E	410.6	15.0E	462.4	8.0E	827.3	15.0E	857.6
40.0	478.39	8.0E	953.6	2.0E	1035.5	8.0E	1106.5		
45.0	478.39	8.0E	436.3	15.0E	723.0	8.0E	883.8	2.0E	950.5
50.0	478.39	8.0E	362.0	15.0E	621.1	8.0E	850.2	2.0E	941.5
55.0	478.39	8.0E	327.3	15.0E	558.3	8.0E	1088.2	20.0E	1106.5
60.0	478.39	8.0E	322.5	15.0E	497.6	8.0E	744.2	15.0E	923.9
65.0	478.39	8.0E	332.2	15.0E	427.3	8.0E	962.8	15.0E	1008.4
70.0	478.39	8.0E	1064.5	4.0E	1106.5				
75.0	478.39	8.0E	680.6	4.0E	726.8	8.0E	924.0	2.0E	1106.5
80.0	478.39	8.0E	645.0	4.0E	842.0	8.0E	908.1	2.0E	1106.5
85.0	478.39	8.0E	610.2	4.0E	817.4	2.0E	1080.2	4.0E	1094.8
90.0	478.39	8.0E	424.4	4.0E	486.9	8.0E	559.8	4.0E	798.7
95.0	478.39	8.0E	419.5	4.0E	803.1	2.0E	1106.5		
100.0	478.39	8.0E	420.2	4.0E	749.0	2.0E	1088.5	4.0E	1106.5
105.0	478.39	8.0E	427.6	4.0E	715.3	2.0E	802.7	4.0E	878.3
110.0	478.39	8.0E	447.4	4.0E	692.7	2.0E	786.5	4.0E	832.3
115.0	478.39	8.0E	483.9	4.0E	685.8	2.0E	762.6	4.0E	812.3
120.0	478.39	8.0E	521.1	4.0E	561.3	2.0E	687.3	4.0E	1106.5
125.0	478.39	8.0E	540.7	2.0E	767.5	4.0E	845.7	8.0E	921.8
130.0	478.39	8.0E	553.8	2.0E	807.2	8.0E	945.3	4.0E	996.6
135.0	478.39	8.0E	577.2	2.0E	836.9	8.0E	863.2	1.0E	991.3
140.0	478.39	8.0E	294.9	4.0E	334.5	8.0E	619.6	2.0E	635.0

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EXHIBIT E1-7B, PAGE-3
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: KRMO
CASSVILLE, MO
Coordinates: 36 56 15.00 93 55 30.00
Frequency: 990 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
145.0	478.39	8.0E	251.0	4.0E	397.9	8.0E	618.5	4.0E	765.4
150.0	478.39	8.0E	225.6	4.0E	427.5	8.0E	677.2	4.0E	822.1
155.0	478.39	8.0E	206.3	4.0E	462.8	8.0E	724.8	4.0E	794.1
160.0	478.39	8.0E	191.3	4.0E	506.2	8.0E	801.5	15.0E	917.8
165.0	478.39	8.0E	178.8	15.0E	192.0	4.0E	638.6	8.0E	784.0
170.0	478.39	8.0E	168.9	15.0E	211.6	4.0E	437.4	15.0E	751.2
175.0	478.39	8.0E	164.4	15.0E	234.0	4.0E	436.3	15.0E	569.4
180.0	478.39	8.0E	163.2	15.0E	261.9	4.0E	415.8	8.0E	761.6
185.0	478.39	8.0E	164.5	15.0E	307.3	4.0E	410.4	8.0E	575.3
190.0	478.39	8.0E	171.6	15.0E	320.7	4.0E	411.8	8.0E	575.2

Call: WITZ
JASPER, IN
Coordinates: 38 21 02.00 86 56 26.00
Frequency: 990 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
130.0	317.04	8.0E	46.8	4.0E	241.5	2.0E	612.0	4.0E	687.9
135.0	317.04	8.0E	48.5	4.0E	253.5	2.0E	574.4	4.0E	686.2
140.0	317.04	8.0E	50.6	4.0E	271.7	2.0E	558.4	4.0E	692.3
145.0	317.04	8.0E	53.3	4.0E	313.3	2.0E	557.5	4.0E	910.5
150.0	317.04	8.0E	56.9	4.0E	317.0	2.0E	394.5	4.0E	450.0
155.0	317.04	8.0E	61.9	4.0E	321.8	2.0E	391.2	4.0E	476.0
160.0	317.04	8.0E	68.3	4.0E	331.1	2.0E	416.0	4.0E	481.2
165.0	317.04	8.0E	76.9	4.0E	345.3	2.0E	448.3	4.0E	500.3
170.0	317.04	8.0E	85.4	4.0E	366.0	2.0E	478.4	4.0E	534.1
175.0	317.04	8.0E	96.3	4.0E	394.4	2.0E	509.6	4.0E	666.7
180.0	317.04	8.0E	111.4	4.0E	431.9	2.0E	507.9	4.0E	672.2
185.0	317.04	8.0E	128.0	4.0E	531.0	2.0E	758.7	8.0E	788.0
190.0	317.04	8.0E	147.3	4.0E	487.5	2.0E	901.0	5000.0E	1333.1
195.0	317.04	8.0E	167.4	4.0E	474.9	2.0E	717.5	4.0E	720.5
200.0	317.04	8.0E	188.8	4.0E	477.4	2.0E	690.2	4.0E	932.6
205.0	317.04	8.0E	204.2	4.0E	448.5	8.0E	1003.3	15.0E	1333.1
210.0	317.04	8.0E	214.2	4.0E	406.1	8.0E	996.5	15.0E	1004.8
215.0	317.04	8.0E	220.2	4.0E	372.2	8.0E	859.1	4.0E	927.9
220.0	317.04	8.0E	215.2	4.0E	333.6	8.0E	671.2	4.0E	871.2
225.0	317.04	8.0E	210.0	4.0E	292.9	8.0E	593.5	4.0E	810.5
230.0	317.04	8.0E	208.9	4.0E	256.9	8.0E	582.5	4.0E	852.8
235.0	317.04	8.0E	606.3	4.0E	929.3	8.0E	1001.9	30.0E	1118.2
240.0	317.04	8.0E	644.6	4.0E	692.6	15.0E	935.5	30.0E	1077.9
245.0	317.04	8.0E	701.7	15.0E	1018.0	30.0E	1137.1	15.0E	1333.1
250.0	317.04	8.0E	792.4	15.0E	961.7	30.0E	1118.7	15.0E	1163.8
255.0	317.04	8.0E	767.0	15.0E	851.0	8.0E	946.9	15.0E	986.8
260.0	317.04	8.0E	696.4	15.0E	772.0	30.0E	1079.4	15.0E	1333.1
265.0	317.04	8.0E	259.2	15.0E	298.9	8.0E	614.4	15.0E	756.8
270.0	317.04	8.0E	236.6	15.0E	325.5	8.0E	563.8	15.0E	752.2
275.0	317.04	8.0E	219.7	15.0E	340.0	8.0E	507.4	15.0E	751.0
280.0	317.04	8.0E	207.3	15.0E	339.1	8.0E	468.1	15.0E	746.1
285.0	317.04	8.0E	199.5	15.0E	333.5	8.0E	448.1	15.0E	736.8

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EXHIBIT E1-7B, PAGE-4
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: WDJL
HUNTSVILLE, AL
Coordinates: 34 46 47.00 86 39 16.00
Frequency: 1000 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
200.1	546.86	4.0E	9.0	2.0E	105.5	4.0E	174.5	2.0E	524.0
205.1	537.99	4.0E	11.6	2.0E	99.4	4.0E	158.0	2.0E	538.4
210.1	492.59	4.0E	16.2	2.0E	92.0	4.0E	148.6	2.0E	600.2
215.1	412.46	4.0E	29.2	2.0E	78.9	4.0E	141.6	2.0E	376.9
220.1	383.83	4.0E	138.3	2.0E	340.8	4.0E	647.6	8.0E	666.3
225.1	422.10	4.0E	136.4	2.0E	356.8	4.0E	496.3	8.0E	717.4
230.1	472.98	4.0E	137.3	2.0E	367.8	8.0E	400.5	4.0E	438.9
235.1	520.51	4.0E	139.3	2.0E	333.5	8.0E	691.2	15.0E	749.9
240.1	649.32	4.0E	145.2	2.0E	301.0	8.0E	598.8	4.0E	669.3
245.1	768.85	4.0E	154.1	2.0E	269.7	8.0E	565.2	4.0E	646.0
250.1	872.13	4.0E	169.1	2.0E	243.8	8.0E	515.1	4.0E	627.2
255.1	956.31	4.0E	198.0	2.0E	226.1	8.0E	476.1	4.0E	676.2
260.1	1020.72	4.0E	218.4	8.0E	448.3	4.0E	786.4	8.0E	840.0
265.1	1065.82	4.0E	215.5	8.0E	444.1	4.0E	787.8	30.0E	845.3
270.1	1133.18	4.0E	217.0	8.0E	454.0	4.0E	666.0	15.0E	932.0
275.1	1140.10	4.0E	222.1	8.0E	513.3	4.0E	625.3	15.0E	938.9
280.1	1105.81	4.0E	230.9	8.0E	785.2	15.0E	866.8	8.0E	954.9
285.1	1101.29	4.0E	242.3	8.0E	790.8	15.0E	860.0	30.0E	1474.5
290.1	1059.20	4.0E	254.0	8.0E	763.2	15.0E	822.9	30.0E	1474.5
295.1	986.23	4.0E	266.2	8.0E	730.8	15.0E	860.7	30.0E	1474.5
300.1	897.50	4.0E	277.8	8.0E	722.1	15.0E	894.9	30.0E	1089.4
305.1	804.08	4.0E	290.0	8.0E	706.5	15.0E	926.5	30.0E	1017.7
310.1	707.92	4.0E	302.9	8.0E	689.8	15.0E	950.1	30.0E	1011.3
315.1	602.60	4.0E	317.8	8.0E	682.3	15.0E	981.8	30.0E	1040.4
320.1	474.39	4.0E	332.8	8.0E	474.3	15.0E	566.7	8.0E	696.1
325.1	394.95	4.0E	264.5	8.0E	303.9	4.0E	312.3	8.0E	473.2
330.1	392.31	4.0E	243.6	8.0E	483.9	15.0E	631.2	8.0E	706.6
335.1	450.62	4.0E	237.0	8.0E	504.1	15.0E	666.5	8.0E	1144.7
340.1	520.35	4.0E	240.2	8.0E	536.4	15.0E	690.4	8.0E	931.2
345.1	551.16	4.0E	248.2	8.0E	598.9	15.0E	717.7	8.0E	993.5
350.1	555.18	4.0E	261.7	8.0E	687.0	15.0E	764.9	8.0E	1092.7
355.1	546.38	4.0E	287.7	8.0E	991.1	15.0E	1073.0	8.0E	1474.5

SELLMEYER ENGINEERING
BROADCAST AND COMMUNICATIONS CONSULTING ENGINEERS
P.O. Box 356 McKinney, Texas 75070
MEMBER AFCCE
(972) 542-2056

EXHIBIT E1-7B, PAGE-5
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: WLDX
FAYETTE, AL
Coordinates: 33 41 06.00 87 49 16.00
Frequency: 990 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
0.0	302.56	2.0E	35.0	4.0E	334.1	8.0E	850.5	15.0E	895.3
5.0	302.56	2.0E	32.5	4.0E	355.3	8.0E	1343.9		
10.0	302.56	2.0E	30.6	4.0E	401.5	8.0E	719.5	15.0E	748.0
15.0	302.56	2.0E	29.1	4.0E	544.1	8.0E	743.0	15.0E	842.0
20.0	302.56	2.0E	27.9	4.0E	545.3	8.0E	772.6	15.0E	838.2
25.0	302.56	2.0E	27.1	4.0E	546.2	8.0E	799.4	15.0E	960.8
30.0	302.56	2.0E	26.2	4.0E	568.3	8.0E	1116.2	10.0E	1170.6
35.0	302.56	2.0E	25.4	4.0E	471.1	2.0E	490.7	8.0E	632.3
40.0	302.56	2.0E	24.8	4.0E	393.3	2.0E	886.2	4.0E	1343.9
45.0	302.56	2.0E	24.5	4.0E	90.7	2.0E	893.1	4.0E	1343.9
50.0	302.56	2.0E	24.3	4.0E	78.5	2.0E	529.4	4.0E	556.1
200.0	302.56	2.0E	397.1	5000.0E	439.8	15.0E	448.5	5000.0E	452.6
205.0	302.56	2.0E	444.0	5000.0E	458.4	15.0E	510.1	5000.0E	515.7
210.0	302.56	2.0E	206.5	4.0E	424.2	15.0E	427.2	5000.0E	463.2
215.0	302.56	2.0E	181.0	4.0E	440.8	15.0E	575.5	5000.0E	1343.9
220.0	302.56	2.0E	179.9	4.0E	479.8	8.0E	515.7	15.0E	570.6
225.0	302.56	2.0E	188.7	4.0E	348.7	8.0E	551.8	15.0E	611.7
230.0	302.56	2.0E	205.3	4.0E	302.9	8.0E	540.1	15.0E	558.1
235.0	302.56	2.0E	213.2	8.0E	241.0	4.0E	273.6	8.0E	538.5
240.0	302.56	2.0E	194.4	8.0E	470.9	4.0E	503.2	8.0E	532.0
245.0	302.56	2.0E	183.1	8.0E	451.0	4.0E	518.0	15.0E	571.4
250.0	302.56	2.0E	171.7	8.0E	433.7	4.0E	505.3	15.0E	560.7
255.0	302.56	2.0E	161.5	8.0E	412.1	4.0E	495.2	15.0E	561.1
260.0	302.56	2.0E	153.2	8.0E	385.3	4.0E	489.7	15.0E	573.8
265.0	302.56	2.0E	145.4	8.0E	364.0	4.0E	552.9	8.0E	739.9
270.0	302.56	2.0E	139.3	8.0E	349.7	4.0E	700.8	30.0E	852.9
275.0	302.56	2.0E	134.3	8.0E	338.9	4.0E	679.8	15.0E	846.5
280.0	302.56	2.0E	130.5	8.0E	337.1	4.0E	580.3	15.0E	833.8
285.0	302.56	2.0E	127.8	8.0E	349.8	4.0E	555.4	15.0E	904.4
290.0	302.56	2.0E	126.1	8.0E	378.1	4.0E	540.0	15.0E	618.2
295.0	302.56	2.0E	125.5	8.0E	731.9	15.0E	799.0	30.0E	1343.9
300.0	302.56	2.0E	127.6	8.0E	718.9	15.0E	776.5	30.0E	1343.9

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EXHIBIT E1-7B, PAGE-6
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.45 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: WLDX
FAYETTE, AL
Coordinates: 33 41 06.00 87 49 16.00
Frequency: 990 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
305.0	302.56	2.0E	123.0	4.0E	132.1	8.0E	719.9	15.0E	827.5
310.0	302.56	2.0E	107.2	4.0E	141.0	8.0E	703.9	15.0E	879.1
315.0	302.56	2.0E	94.9	4.0E	153.5	8.0E	709.5	15.0E	926.7
320.0	302.56	2.0E	82.7	4.0E	177.0	8.0E	704.5	15.0E	966.3
325.0	302.56	2.0E	72.0	4.0E	224.0	8.0E	705.0	15.0E	1343.9
330.0	302.56	2.0E	64.3	4.0E	272.6	8.0E	721.7	15.0E	1343.9
335.0	302.56	2.0E	57.4	4.0E	314.6	8.0E	551.6	15.0E	619.4
340.0	302.56	2.0E	50.9	4.0E	358.7	8.0E	526.9	15.0E	674.9
345.0	302.56	2.0E	46.1	4.0E	396.8	8.0E	553.9	15.0E	733.9
350.0	302.56	2.0E	42.4	4.0E	363.2	8.0E	597.3	15.0E	781.4
355.0	302.56	2.0E	38.2	4.0E	333.9	8.0E	686.0	15.0E	830.7

Call: WABO
WAYNESBORO, MS
Coordinates: 31 40 48.00 88 40 34.00
Frequency: 990 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
0.0	304.17	2.0E	291.1	4.0E	599.4	8.0E	867.1	15.0E	1357.5
5.0	304.17	2.0E	287.4	4.0E	557.6	8.0E	1357.5		
10.0	304.17	2.0E	282.0	4.0E	581.6	8.0E	1357.5		
15.0	304.17	2.0E	274.5	4.0E	756.1	8.0E	1357.5		
20.0	304.17	2.0E	263.9	4.0E	781.0	8.0E	1357.5		
25.0	304.17	2.0E	251.5	4.0E	794.5	8.0E	1357.5		
30.0	304.17	2.0E	237.5	4.0E	292.1	2.0E	442.4	4.0E	675.8
300.0	304.17	2.0E	35.7	4.0E	153.4	8.0E	337.7	4.0E	587.0
305.0	304.17	2.0E	36.6	4.0E	144.7	8.0E	342.1	4.0E	585.3
310.0	304.17	2.0E	37.7	4.0E	135.6	8.0E	350.6	4.0E	585.2
315.0	304.17	2.0E	39.3	4.0E	126.0	2.0E	135.9	8.0E	362.8
320.0	304.17	2.0E	41.3	4.0E	117.6	2.0E	142.2	8.0E	403.2
325.0	304.17	2.0E	43.8	4.0E	109.3	2.0E	154.1	8.0E	814.2
330.0	304.17	2.0E	47.1	4.0E	102.3	2.0E	170.8	8.0E	838.9
335.0	304.17	2.0E	51.7	4.0E	95.5	2.0E	188.2	8.0E	853.1
340.0	304.17	2.0E	60.2	4.0E	86.6	2.0E	208.6	8.0E	880.4
345.0	304.17	2.0E	231.0	8.0E	938.4	15.0E	1357.5		
350.0	304.17	2.0E	258.6	8.0E	715.5	15.0E	879.0	8.0E	1357.5
355.0	304.17	2.0E	294.4	4.0E	554.6	8.0E	762.7	15.0E	1357.5

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EXHIBIT E1-7B, PAGE-7
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.45 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: WMUF
PARIS, TN
Coordinates: 36 18 50.00 88 17 33.00
Frequency: 1000 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
150.0	416.31	4.0E	241.1	2.0E	329.0	4.0E	399.9	2.0E	420.0
155.0	402.27	4.0E	252.7	2.0E	319.2	4.0E	477.6	8.0E	532.9
160.0	397.59	4.0E	469.1	8.0E	577.7	4.0E	632.8	1.0E	709.8
165.0	402.27	4.0E	320.2	2.0E	394.3	4.0E	461.2	8.0E	589.7
170.0	416.31	4.0E	263.2	2.0E	485.4	8.0E	571.0	1.0E	650.7
175.0	439.64	4.0E	242.4	2.0E	561.4	1.0E	673.0	2.0E	677.4
180.0	472.05	4.0E	232.6	2.0E	659.2	5000.0E	1487.2		
185.0	513.04	4.0E	226.8	2.0E	656.2	5000.0E	658.4	2.0E	661.0
190.0	561.77	4.0E	227.0	2.0E	435.3	4.0E	589.7	2.0E	689.7
195.0	616.97	4.0E	229.7	2.0E	439.9	4.0E	679.9	15.0E	682.7
200.0	676.99	4.0E	192.8	8.0E	460.5	4.0E	705.6	15.0E	817.3
205.0	739.78	4.0E	169.9	8.0E	756.7	15.0E	803.6	5000.0E	1487.2
210.0	802.98	4.0E	155.6	8.0E	739.1	15.0E	751.6	8.0E	793.6
215.0	863.98	4.0E	144.5	8.0E	632.0	4.0E	667.1	8.0E	710.9
220.0	920.04	4.0E	135.9	8.0E	562.8	4.0E	662.8	15.0E	731.8
225.0	968.46	4.0E	127.2	8.0E	445.2	4.0E	613.0	15.0E	683.7
230.0	1006.66	4.0E	119.5	8.0E	377.1	4.0E	575.2	15.0E	660.2
235.0	1032.40	4.0E	113.4	8.0E	359.0	4.0E	612.8	8.0E	818.2
240.0	1043.93	4.0E	108.6	8.0E	351.7	4.0E	645.4	8.0E	843.3
245.0	1040.11	4.0E	103.5	8.0E	359.0	4.0E	735.4	30.0E	890.9
250.0	1020.48	4.0E	99.0	8.0E	386.0	4.0E	560.9	15.0E	648.8
255.0	985.37	4.0E	95.6	8.0E	430.0	4.0E	493.3	15.0E	823.8
260.0	935.81	4.0E	93.1	8.0E	486.4	15.0E	789.6	30.0E	942.5
265.0	873.54	4.0E	91.1	8.0E	625.3	15.0E	837.4	30.0E	838.2
270.0	800.85	4.0E	89.3	8.0E	624.2	15.0E	699.7	8.0E	783.9
275.0	720.50	4.0E	88.3	8.0E	598.0	15.0E	666.9	30.0E	995.5
280.0	635.50	4.0E	87.9	8.0E	573.3	15.0E	638.5	30.0E	1487.2
285.0	549.07	4.0E	88.2	8.0E	529.7	15.0E	658.1	30.0E	1487.2
290.0	464.49	4.0E	89.2	8.0E	516.3	15.0E	674.3	30.0E	1487.2
295.0	385.15	4.0E	90.8	8.0E	501.5	15.0E	695.6	30.0E	866.2
300.0	314.59	4.0E	92.5	8.0E	482.0	15.0E	711.0	30.0E	802.1
305.0	256.63	4.0E	95.0	8.0E	467.4	15.0E	724.4	30.0E	782.2
310.0	215.07	4.0E	98.4	8.0E	458.7	15.0E	739.6	30.0E	812.9
315.0	192.10	4.0E	102.9	8.0E	458.8	15.0E	1078.5	30.0E	1257.1
320.0	185.76	4.0E	106.7	8.0E	247.6	15.0E	344.1	8.0E	472.5
325.0	189.87	4.0E	108.8	8.0E	244.8	15.0E	365.6	8.0E	479.3
330.0	197.53	4.0E	108.8	8.0E	250.4	15.0E	386.2	8.0E	473.9

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EXHIBIT E1-7B, PAGE-8
TABULATION OF CONDUCTIVITIES
RADIO STATION KWAM
990 KHZ, 0.45 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Call: WXTN
LEXINGTON, MS
Coordinates: 33 06 39.00 90 02 21.00
Frequency: 1000 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
0.0	633.34	8.0E	545.8	15.0E	772.0	8.0E	1105.4	4.0E	1382.0
5.0	633.34	8.0E	603.2	15.0E	857.0	8.0E	1382.0		
10.0	633.34	8.0E	777.6	15.0E	970.8	8.0E	1031.5	15.0E	1060.4
15.0	633.34	8.0E	267.8	4.0E	459.0	8.0E	1169.2	2.0E	1345.2
20.0	633.34	8.0E	236.4	4.0E	431.2	8.0E	1010.7	2.0E	1132.2
25.0	633.34	8.0E	213.7	4.0E	439.6	8.0E	865.7	15.0E	976.7
30.0	633.34	8.0E	190.2	4.0E	689.4	8.0E	921.4	15.0E	987.8
35.0	633.34	8.0E	166.3	4.0E	699.4	8.0E	986.5	15.0E	1052.5
40.0	633.34	8.0E	126.5	2.0E	174.7	4.0E	738.6	8.0E	876.1
45.0	633.34	8.0E	96.1	2.0E	186.9	4.0E	669.3	2.0E	670.1
50.0	633.34	8.0E	79.7	2.0E	198.7	4.0E	589.3	2.0E	1091.1
55.0	633.34	8.0E	68.6	2.0E	210.6	4.0E	466.1	2.0E	733.3
60.0	633.34	8.0E	61.1	2.0E	221.3	4.0E	343.7	2.0E	725.1
300.0	633.34	8.0E	157.7	4.0E	389.0	15.0E	632.8	8.0E	716.4
305.0	633.34	8.0E	160.7	4.0E	387.1	15.0E	462.3	8.0E	574.6
310.0	633.34	8.0E	167.2	4.0E	390.5	15.0E	402.5	8.0E	594.2
315.0	633.34	8.0E	184.5	4.0E	322.1	8.0E	593.1	15.0E	677.4
320.0	633.34	8.0E	218.7	4.0E	265.0	8.0E	609.7	15.0E	749.7
325.0	633.34	8.0E	608.7	15.0E	825.8	30.0E	920.2	15.0E	1031.9
330.0	633.34	8.0E	631.9	15.0E	886.1	30.0E	966.7	15.0E	1272.9
335.0	633.34	8.0E	645.3	15.0E	977.2	30.0E	978.4	15.0E	1240.0
340.0	633.34	8.0E	662.4	15.0E	1157.8	30.0E	1308.3	15.0E	1382.0
345.0	633.34	8.0E	693.1	15.0E	1211.6	30.0E	1251.0	15.0E	1264.8
350.0	633.34	8.0E	754.0	15.0E	912.5	8.0E	955.8	15.0E	1045.1
355.0	633.34	8.0E	573.3	15.0E	659.0	8.0E	784.6	15.0E	826.9

Call sign: KWAM
Frequency: 990 kHz
Power: 10.000 kW
ERSS: 1270.15 mV/m at 1 km
Q factor at zero degrees:
31.80 mV/m at 1 km
Theoretical pattern RMS:
1075.64 mV/m at 1 km
Standard pattern RMS:
1129.92 mV/m at 1 km
Modified pattern RMS:

Coordinates:
N35°11'45.00" W90°00'32.00"

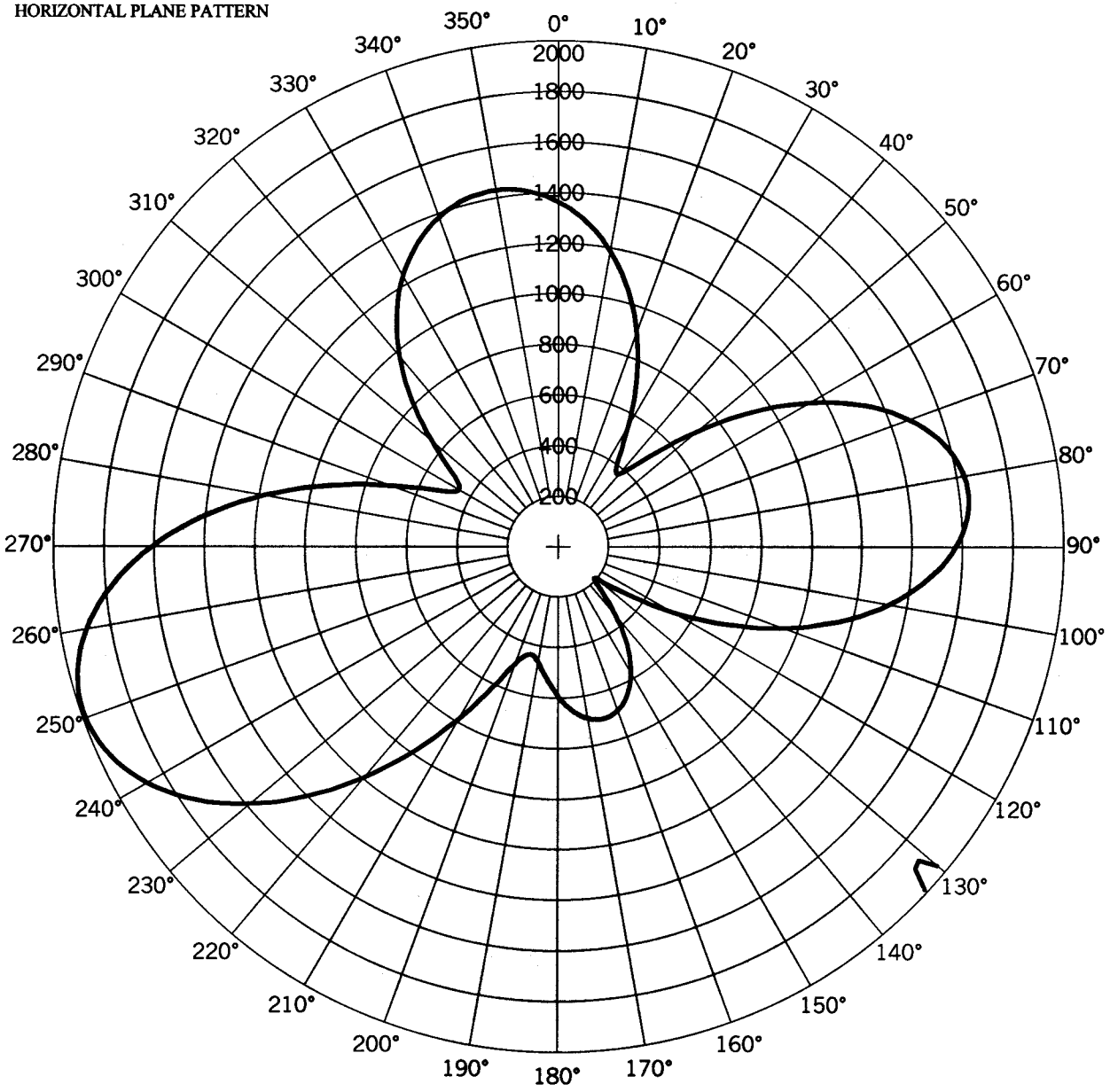
No. of augmentations: 0

TOWER PARAMETERS

##	Field Ratio	Phase (degs.)	Spacing (degs.)	Bearing (degs.)	Tower Ref. Switch	Elec. Height (degs.)	Length Twr. A (degs.)	Length Twr. B (degs.)	Length Twr. C (degs.)	Length Twr. D (degs.)
1	1.000	0.0	0.0	0.0	0	0.0	149.9	6.8	0.0	0.0
2	0.520	-170.0	148.5	204.0	0	0.0	149.9	6.8	0.0	0.0
3	0.996	-25.0	222.0	167.0	0	90.6	0.0	0.0	0.0	0.0

EXHIBIT E1-8A
PLOT OF PROPOSED DAYTIME STANDARD PATTERN

HORIZONTAL PLANE PATTERN



outer curve: x10 scale

Field in mV/m

SELLMEYER ENGINEERING
BROADCAST AND COMMUNICATIONS CONSULTING ENGINEERS
P.O. Box 356 McKinney, Texas 75070
MEMBER AFCCE
(972) 542-2056

EXHIBIT E1-8B
TABULATION OF PROPOSED DAYTIME STANDARD PATTERN
RADIO STATION KWAM
990 KHZ, 0.33 KW, 10 KW-LS, DA-2
MEMPHIS, TENNESSEE

Power: 10.000 kW
ERSS: 1270.15 mV/m at 1 km
Multiplying Constant (K factor): 844.44 mV/m at 1 km
Q Factor (elevation angle = 0 degrees): 31.75
Theoretical Pattern RMS: 1075.64 mV/m at 1 km
Standard Pattern RMS: 1129.91 mV/m at 1 km

ANTENNA TOWER PARAMETERS:

##	Field Ratio	Phase (degs.)	Spac. (degs.)	Bear. (degs.)	TL SW	HT (degs.)	TLA (degs.)	TLB (degs.)	TLC (degs.)	TLD (degs.)
1	1.000	.0	.0	.0	1	149.9	6.8	.0	.0	.0
2	.520	-170.0	148.5	204.0	1	149.9	6.8	.0	.0	.0
3	.996	-25.0	222.0	167.0	0	90.0	.0	.0	.0	.0

CALCULATED STANDARD PATTERN DATA:

Azimuth (degs.)	Elevation Angle (degrees): .00	Azimuth (degs.)	Elevation Angle (degrees): .00
.0	1362.76	180.0	591.58
5.0	1287.56	185.0	522.06
10.0	1184.57	190.0	461.27
15.0	1054.79	195.0	441.29
20.0	900.81	200.0	492.96
25.0	728.46	205.0	616.15
30.0	551.56	210.0	787.70
35.0	407.22	215.0	985.40
40.0	379.20	220.0	1192.76
45.0	505.30	225.0	1396.52
50.0	707.98	230.0	1584.96
55.0	928.67	235.0	1747.29
60.0	1140.05	240.0	1873.89
65.0	1325.89	245.0	1956.70
70.0	1474.49	250.0	1989.85
75.0	1577.33	255.0	1970.13
80.0	1628.93	260.0	1897.31
85.0	1626.99	265.0	1774.29
90.0	1572.42	270.0	1606.94
95.0	1469.19	275.0	1403.92
100.0	1323.90	280.0	1176.51
105.0	1145.22	285.0	939.16
110.0	943.31	290.0	712.29
115.0	729.34	295.0	530.97
120.0	515.99	300.0	455.00
125.0	321.69	305.0	516.71
130.0	195.96	310.0	659.23
135.0	231.72	315.0	822.55
140.0	353.51	320.0	979.09
145.0	474.88	325.0	1117.42
150.0	574.70	330.0	1232.50
155.0	647.10	335.0	1322.04
160.0	690.24	340.0	1384.96
165.0	704.13	345.0	1420.78
170.0	690.08	350.0	1429.19
175.0	650.85	355.0	1409.93