

■ 2.0 mV/m
■ 0.5 mV/m

KTCK - DALLAS, TX

Freq: 1310 kHz / Class: B
Latitude: 32-56-41 N / Longitude: 096-56-25 W
Power: 9 kW / RMS: 1322 mV/m @ 1km
Towers: 4
Present - Dashed Lines

KTCK - DALLAS, TX

Freq: 1310 kHz / Class: B
Latitude: 32-56-41 N / Longitude: 096-56-25 W
Power: 25 kW / RMS: 2203.201 mV/m @ 1km
Towers: 4
Proposed - Solid Lines

EXHIBIT #1A

**MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP**

KTCK AM RADIO STATION

has: 1310 kHz - 5.0/9.0 kW - DA2

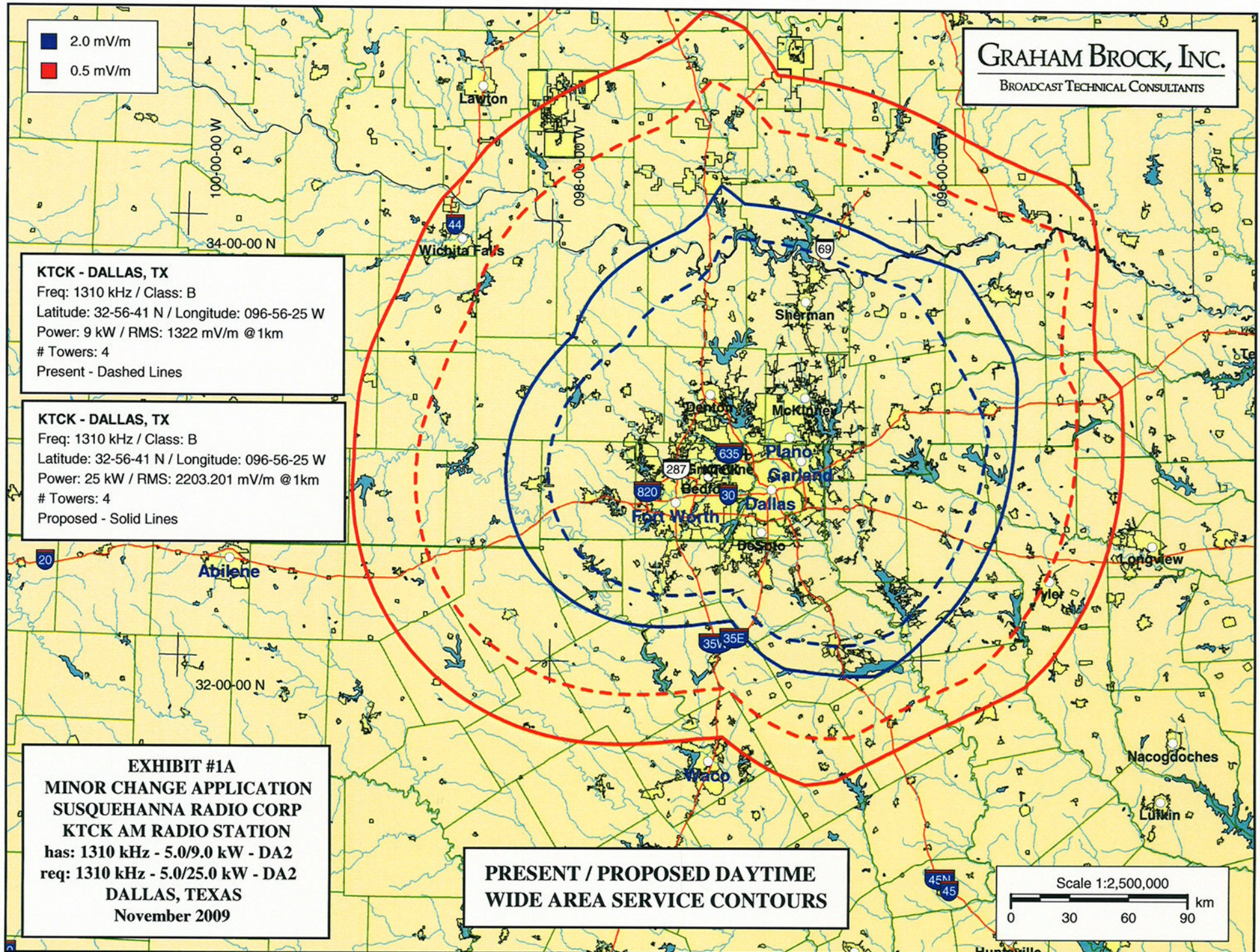
req: 1310 kHz - 5.0/25.0 kW - DA2

DALLAS, TEXAS

November 2009

**PRESENT / PROPOSED DAYTIME
WIDE AREA SERVICE CONTOURS**

Scale 1:2,500,000
0 30 60 90 km



1000.0 mV/m

KTCK - DALLAS, TX

Freq: 1310 kHz / Class: B
Latitude: 32-56-41 N / Longitude: 096-56-25 W
Power: 9 kW / RMS: 1322 mV/m @1km
Towers: 4
Present - Dashed Lines

KTCK - DALLAS, TX

Freq: 1310 kHz / Class: B
Latitude: 32-56-41 N / Longitude: 096-56-25 W
Power: 25 kW / RMS: 2203.201 mV/m @1km
Towers: 4
Proposed - Solid Lines

EXHIBIT #1C
MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

PRESENT / PROPOSED DAYTIME
1000 mV/m SERVICE CONTOURS

Within the Proposed 1000 mV/m Contour:
14,138 Persons (2000 Census)
Representing 0.4% of the Population within the
Proposed 25.0 mV/m Contour of
3,557,109 Persons (2000 Census)
In Compliance with §73.24(g)

Scale 1:48,000

0 0.67 1.33 2.0 km

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1D

Present Facility Daytime Service Contour Tabulation

KTCK, Dallas, TX
North Latitude: 32° 56' 41"
West Longitude: 96° 56' 25"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :			
		Contour levels in mV/m.			
		1000.000	5.000	2.000	.500
0.0	1168.68	1.14	77.31	108.53	179.55
5.0	1179.40	1.15	77.66	107.85	164.39
10.0	1191.92	1.16	78.06	107.52	164.24
15.0	1204.12	1.18	78.46	107.42	164.32
20.0	1213.68	1.19	78.77	107.50	164.54
25.0	1218.46	1.19	78.92	107.67	164.79
30.0	1216.85	1.19	78.87	108.43	165.52
35.0	1208.19	1.18	78.59	109.46	166.43
40.0	1193.13	1.17	78.10	112.76	169.50
45.0	1173.89	1.15	77.48	117.47	175.45
50.0	1154.31	1.13	76.84	116.66	184.61
55.0	1139.53	1.11	76.35	116.02	195.39
60.0	1135.13	1.11	76.20	115.83	189.36
65.0	1145.71	1.12	76.55	116.29	178.66
70.0	1173.40	1.15	77.46	117.45	170.70
75.0	1216.91	1.19	78.87	119.22	166.22
80.0	1271.82	1.24	80.61	121.41	170.37
85.0	1331.67	1.30	82.43	123.66	168.73
90.0	1389.40	1.35	84.12	121.90	167.71
95.0	1438.54	1.40	85.53	120.60	167.03
100.0	1473.98	1.43	86.53	119.60	166.48
105.0	1492.31	1.45	87.05	118.83	165.93
110.0	1491.93	1.45	87.04	118.20	165.29
115.0	1472.94	1.43	86.50	117.69	164.56
120.0	1436.90	1.40	85.48	117.33	163.75
125.0	1386.45	1.35	84.03	117.15	162.93
130.0	1324.98	1.29	82.23	116.80	161.78
135.0	1256.18	1.23	80.12	116.54	160.33
140.0	1183.67	1.16	77.80	117.27	155.86
145.0	1110.74	1.09	75.39	114.77	152.70
150.0	1040.11	1.02	72.92	111.61	151.53
155.0	974.00	0.96	70.52	107.31	151.62
160.0	914.32	0.90	68.23	102.07	152.86
165.0	863.02	0.85	66.19	97.77	148.95
170.0	822.61	0.81	64.52	94.33	144.74
175.0	796.48	0.78	55.60	86.80	136.70

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1D (continued)

Present Facility Daytime Service Contour Tabulation

KTCK, Dallas, TX
North Latitude: 32° 56' 41"
West Longitude: 96° 56' 25"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :			
		Contour levels in mV/m.			
		1000.000	5.000	2.000	.500
180.0	788.85	0.78	45.25	78.03	127.78
185.0	804.02	0.79	45.58	68.68	118.73
190.0	844.98	0.83	46.64	70.10	120.94
195.0	912.27	0.90	48.35	72.35	124.46
200.0	1003.77	0.98	50.55	75.26	128.96
205.0	1115.28	1.08	53.06	78.55	134.10
210.0	1241.46	1.19	55.69	82.03	139.49
215.0	1376.50	1.31	58.30	85.48	144.87
220.0	1514.47	1.43	60.81	88.78	149.97
225.0	1649.54	1.55	63.09	91.81	154.68
230.0	1776.15	1.67	65.13	94.51	158.82
235.0	1889.11	1.76	66.85	96.81	162.35
240.0	1983.83	1.85	68.24	98.67	165.20
245.0	2056.47	1.91	69.28	100.06	167.32
250.0	2104.24	1.95	69.96	100.94	168.67
255.0	2125.54	1.97	70.26	101.33	169.26
260.0	2120.12	1.97	70.18	101.23	169.11
265.0	2089.18	1.94	69.75	100.66	168.24
270.0	2035.34	1.89	68.98	99.65	166.71
275.0	1962.51	1.83	67.93	98.25	164.57
280.0	1875.64	1.75	66.65	96.54	161.93
285.0	1780.31	1.67	65.19	94.60	159.27
290.0	1682.32	1.58	63.62	92.53	158.10
295.0	1587.06	1.50	62.05	90.43	156.96
300.0	1499.05	1.42	60.53	88.42	158.39
305.0	1421.44	1.35	59.13	86.58	161.59
310.0	1355.81	1.29	57.91	84.96	163.93
315.0	1302.25	1.25	56.89	83.85	165.61
320.0	1259.71	1.21	56.06	85.57	166.73
325.0	1226.57	1.18	55.40	86.71	167.38
330.0	1201.18	1.17	54.88	87.61	167.91
335.0	1182.26	1.16	54.50	88.41	168.42
340.0	1169.06	1.14	54.25	89.42	169.23
345.0	1161.27	1.14	54.18	90.88	170.57
350.0	1158.79	1.13	56.20	96.06	175.71
355.0	1161.45	1.14	77.07	109.98	189.68

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1E

Proposed Facility Daytime Service Contour Tabulation

KTCK, Dallas, TX
North Latitude: 32° 56' 41"
West Longitude: 96° 56' 25"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :				
		Contour levels in mV/m.				
		1000.000	25.000	5.000	2.000	.500
0.0	1947.69	1.88	41.81	96.20	126.45	215.33
5.0	1965.55	1.90	42.05	95.49	125.82	192.17
10.0	1986.41	1.92	42.33	95.11	125.54	192.11
15.0	2006.74	1.94	42.59	94.97	125.51	192.28
20.0	2022.68	1.95	42.80	95.02	125.63	192.56
25.0	2030.64	1.96	42.91	95.18	125.83	192.84
30.0	2027.96	1.96	42.87	95.94	126.58	193.56
35.0	2013.53	1.94	42.68	97.00	127.57	194.41
40.0	1988.43	1.92	42.35	99.31	130.79	197.37
45.0	1956.37	1.89	41.92	98.59	136.94	203.19
50.0	1923.74	1.86	41.48	97.84	143.12	212.21
55.0	1899.11	1.84	41.14	97.27	142.40	214.64
60.0	1891.77	1.83	41.04	97.10	142.19	206.58
65.0	1909.41	1.85	41.28	97.51	142.70	195.94
70.0	1955.54	1.89	41.91	98.57	144.03	188.13
75.0	2028.06	1.96	42.87	100.20	142.80	183.89
80.0	2119.58	2.04	44.06	102.15	139.66	193.36
85.0	2219.32	2.14	45.33	104.23	137.48	192.07
90.0	2315.52	2.22	46.51	106.19	135.95	191.37
95.0	2397.42	2.30	47.50	107.82	134.85	190.96
100.0	2456.48	2.35	48.20	108.95	133.99	190.60
105.0	2487.03	2.38	48.56	109.28	133.29	190.14
110.0	2486.40	2.38	48.55	108.65	132.66	189.51
115.0	2454.76	2.35	48.18	108.19	132.08	188.67
120.0	2394.68	2.30	47.46	107.76	131.58	187.67
125.0	2310.61	2.22	46.45	106.09	131.19	186.57
130.0	2208.16	2.12	45.19	104.00	130.58	184.21
135.0	2093.50	2.02	43.72	101.60	130.04	178.21
140.0	1972.67	1.90	42.14	98.96	130.44	173.35
145.0	1851.12	1.79	40.48	96.15	130.62	169.77
150.0	1733.41	1.68	38.81	93.33	130.07	168.17
155.0	1623.24	1.58	37.19	90.53	124.22	167.83
160.0	1523.78	1.48	35.67	87.91	118.66	168.66
165.0	1438.28	1.40	34.33	85.52	114.06	171.24
170.0	1370.93	1.34	33.23	83.24	110.38	169.70
175.0	1327.38	1.29	26.22	74.49	102.70	161.41

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1E (continued)

Proposed Facility Daytime Service Contour Tabulation

KTCK, Dallas, TX
North Latitude: 32° 56' 41"
West Longitude: 96° 56' 25"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :				
		Contour levels in mV/m.				
		1000.000	25.000	5.000	2.000	.500
180.0	1314.68	1.28	25.13	63.95	93.88	152.41
185.0	1339.96	1.31	25.32	57.67	84.62	143.51
190.0	1408.21	1.37	26.05	58.92	86.29	146.10
195.0	1520.36	1.46	27.23	60.93	88.93	150.20
200.0	1672.84	1.59	28.77	63.48	92.33	155.48
205.0	1858.68	1.75	30.52	66.40	96.21	161.42
210.0	2068.98	1.93	32.38	69.47	100.29	167.68
215.0	2294.03	2.12	34.25	72.51	104.35	173.85
220.0	2523.96	2.32	36.02	75.43	108.25	179.71
225.0	2749.07	2.50	37.66	78.09	111.83	185.04
230.0	2960.08	2.68	39.11	80.47	115.01	189.78
235.0	3148.33	2.83	40.35	82.49	117.72	193.79
240.0	3306.18	2.96	41.35	84.12	119.91	196.97
245.0	3427.25	3.06	42.10	85.33	121.54	199.34
250.0	3506.86	3.13	42.58	86.12	122.59	200.87
255.0	3542.36	3.16	42.79	86.47	123.06	201.54
260.0	3533.32	3.15	42.74	86.38	122.94	201.37
265.0	3481.75	3.11	42.43	85.87	122.26	200.39
270.0	3392.03	3.03	41.89	84.98	121.07	198.65
275.0	3270.65	2.93	41.13	83.75	119.42	198.26
280.0	3125.87	2.82	40.21	82.25	117.41	198.55
285.0	2967.01	2.68	39.16	80.55	115.11	197.74
290.0	2803.70	2.55	38.04	78.72	112.66	196.21
295.0	2644.95	2.42	36.91	76.87	110.20	194.78
300.0	2498.27	2.29	35.82	75.11	107.83	195.79
305.0	2368.92	2.18	34.83	73.48	106.06	198.61
310.0	2259.55	2.09	33.96	72.06	108.89	200.62
315.0	2170.29	2.02	33.23	70.87	111.07	200.30
320.0	2099.39	1.96	32.64	69.90	112.59	203.04
325.0	2044.15	1.91	32.18	69.12	113.57	203.53
330.0	2001.84	1.88	31.82	68.64	114.35	203.90
335.0	1970.32	1.87	31.55	69.50	115.05	204.29
340.0	1948.32	1.87	31.39	70.55	115.97	205.01
345.0	1935.34	1.87	31.36	72.04	117.38	206.30
350.0	1931.21	1.87	32.07	77.22	122.54	211.43
355.0	1935.63	1.87	41.64	97.31	136.49	225.41

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1F

Proposed M-3 Ground Conductivity Tabulation

North Latitude: 32' 56' 41"
West Longitude: 96' 56' 25"

Conductivity Database Used: M3 (USA)

Ground Conductivity Data:									
Region conductivity in mS/m followed by distance in km									
Azimuth	to the end of region. E - map data; M - measurement data.								
0.0	30.0E	92.2	15.0E	126.8	30.0E	237.0	15.0E	294.0	8.0E 358.5 30.0E 721.6
5.0	30.0E	89.5	15.0E	281.5	8.0E	394.5	30.0E	761.1	15.0E 1166.1 30.0E 1241.5
10.0	30.0E	87.6	15.0E	285.9	8.0E	392.2	30.0E	919.4	15.0E 1113.8 30.0E 1248.6
15.0	30.0E	86.4	15.0E	425.1	30.0E	505.3	15.0E	1303.5	
20.0	30.0E	85.9	15.0E	1123.4	8.0E	1253.6	4.0E	1300.0	
25.0	30.0E	86.0	15.0E	357.7	8.0E	532.3	15.0E	1012.5	8.0E 1186.8 4.0E 1300.0
30.0	30.0E	88.3	15.0E	333.1	8.0E	744.7	15.0E	1005.0	8.0E 1300.0
35.0	30.0E	91.8	15.0E	331.9	8.0E	1300.0			
40.0	30.0E	102.3	15.0E	356.1	8.0E	828.1	15.0E	1145.9	8.0E 1300.0
45.0	30.0E	122.0	15.0E	402.3	8.0E	825.9	15.0E	949.6	8.0E 1300.0
50.0	30.0E	153.6	15.0E	425.9	8.0E	1300.0			
55.0	30.0E	199.1	4.0E	232.8	15.0E	348.8	4.0E	453.5	8.0E 1126.6 4.0E 1149.3
60.0	30.0E	184.6	4.0E	260.1	15.0E	291.9	4.0E	489.2	8.0E 790.2 4.0E 896.6
65.0	30.0E	165.3	4.0E	521.7	8.0E	760.7	4.0E	1180.2	2.0E 1300.0
70.0	30.0E	150.7	4.0E	529.2	8.0E	756.5	4.0E	1123.1	2.0E 1300.0
75.0	30.0E	139.4	8.0E	144.7	4.0E	525.0	8.0E	752.5	4.0E 976.3 2.0E 1096.6
80.0	30.0E	130.5	8.0E	230.8	4.0E	501.1	8.0E	721.1	2.0E 858.4 4.0E 916.6
85.0	30.0E	123.6	8.0E	295.5	4.0E	480.4	8.0E	692.2	2.0E 898.7 4.0E 1003.9
90.0	30.0E	118.2	8.0E	294.4	15.0E	366.8	4.0E	462.9	8.0E 682.8 2.0E 908.7
95.0	30.0E	114.1	8.0E	288.0	15.0E	375.6	4.0E	452.8	8.0E 635.5 4.0E 758.1
100.0	30.0E	111.1	8.0E	307.6	15.0E	385.6	4.0E	455.8	8.0E 635.4 4.0E 747.8
105.0	30.0E	109.1	8.0E	333.0	15.0E	399.4	4.0E	469.6	8.0E 632.4 4.0E 742.3
110.0	30.0E	107.9	8.0E	357.4	15.0E	419.7	4.0E	479.9	8.0E 623.8 4.0E 743.1
115.0	30.0E	107.6	8.0E	382.0	15.0E	450.1	8.0E	623.6	4.0E 649.4 15.0E 692.3
120.0	30.0E	108.1	8.0E	247.0	4.0E	298.4	8.0E	410.4	15.0E 534.3 8.0E 607.2
125.0	30.0E	109.4	8.0E	210.0	4.0E	292.9	8.0E	472.8	15.0E 506.2 8.0E 540.9
	15.0E	586.0	5000.0E	596.2	15.0E	605.7	5000.0E	639.7	15.0E 640.4 5000.0E 1300.0
130.0	30.0E	110.8	8.0E	181.0	4.0E	270.7	8.0E	474.9	30.0E 572.5 5000.0E 1300.0
135.0	30.0E	112.7	8.0E	159.4	4.0E	263.1	8.0E	452.1	30.0E 490.1 5000.0E 1300.0
140.0	30.0E	116.7	8.0E	141.5	4.0E	274.6	8.0E	404.2	30.0E 467.5 5000.0E 1300.0
145.0	30.0E	122.5	8.0E	127.7	4.0E	311.5	8.0E	378.0	30.0E 451.4 5000.0E 1300.0
150.0	30.0E	115.8	15.0E	129.7	4.0E	356.4	15.0E	362.8	30.0E 409.5 5000.0E 427.9
	30.0E	434.8	5000.0E	443.0	30.0E	446.7	5000.0E	1300.0	
155.0	30.0E	105.0	15.0E	139.0	4.0E	342.5	15.0E	383.9	30.0E 450.2 5000.0E 1300.0
160.0	30.0E	95.6	15.0E	150.9	4.0E	326.3	15.0E	421.9	30.0E 472.4 5000.0E 1300.0
165.0	30.0E	88.3	15.0E	166.3	4.0E	314.7	15.0E	464.2	30.0E 483.8 5000.0E 1300.0
170.0	30.0E	82.6	15.0E	185.4	4.0E	260.4	15.0E	399.5	30.0E 487.2 5000.0E 1300.0
175.0	30.0E	9.4	15.0E	29.3	30.0E	78.2	15.0E	207.5	4.0E 211.2 15.0E 372.9
	30.0E	481.8	5000.0E	492.5	30.0E	507.1	5000.0E	1300.0	

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1F (continued)

Proposed M-3 Ground Conductivity Tabulation

North Latitude: 32° 56' 41"
West Longitude: 96° 56' 25"

Conductivity Database Used: M3 (USA)

Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.											
Azimuth											
180.0	30.0E	3.0	15.0E	45.5	30.0E	72.7	15.0E	177.8	30.0E	235.7	15.0E 418.0
	30.0E	525.5	5000.0E	530.6	30.0E	534.4	5000.0E	1300.0			
185.0	30.0E	1.8	15.0E	156.4	30.0E	259.0	15.0E	465.7	30.0E	565.5	5000.0E 572.6
	30.0E	613.3	5000.0E	618.2	30.0E	618.7	5000.0E	625.9	30.0E	630.7	5000.0E 637.5
190.0	30.0E	1.3	15.0E	167.6	30.0E	279.7	15.0E	550.1	30.0E	671.1	15.0E 741.4
195.0	30.0E	1.0	15.0E	212.9	8.0E	315.3	15.0E	756.1	20.0E	780.9	3.0E 1023.4
200.0	30.0E	0.8	15.0E	209.7	8.0E	395.2	15.0E	708.9	3.0E	885.9	1.5E 1129.6
205.0	30.0E	0.7	15.0E	208.3	8.0E	419.4	15.0E	612.7	8.0E	643.7	3.0E 844.9
210.0	30.0E	0.6	15.0E	209.5	8.0E	445.9	15.0E	527.3	8.0E	615.0	3.0E 807.0
215.0	30.0E	0.6	15.0E	212.3	8.0E	589.3	3.0E	759.8	1.5E	921.9	4.0E 1239.3
220.0	30.0E	0.5	15.0E	216.9	8.0E	561.3	3.0E	717.6	1.5E	900.4	4.0E 1206.0
225.0	30.0E	0.5	15.0E	223.4	8.0E	553.2	3.0E	690.7	1.5E	909.2	4.0E 1177.7
230.0	30.0E	0.5	15.0E	232.1	8.0E	554.9	3.0E	684.4	1.5E	900.9	4.0E 1151.1
235.0	30.0E	0.4	15.0E	242.4	8.0E	589.7	3.0E	697.6	1.5E	729.9	8.0E 739.4
240.0	30.0E	0.4	15.0E	248.1	8.0E	772.1	1.5E	861.1	4.0E	1113.3	2.0E 1272.0
245.0	30.0E	0.4	15.0E	251.2	8.0E	806.4	1.5E	870.7	4.0E	1111.3	2.0E 1248.5
250.0	30.0E	0.4	15.0E	256.4	8.0E	797.9	1.5E	843.8	4.0E	1124.3	2.0E 1242.3
255.0	30.0E	0.4	15.0E	263.9	8.0E	815.7	4.0E	1145.7	2.0E	1259.2	4.0E 1300.0
260.0	30.0E	0.4	15.0E	266.4	8.0E	340.6	15.0E	504.3	8.0E	859.3	4.0E 1149.5
265.0	30.0E	0.4	15.0E	236.9	8.0E	328.3	15.0E	550.8	8.0E	889.9	4.0E 1084.7
270.0	30.0E	0.4	15.0E	208.7	8.0E	286.4	30.0E	375.5	15.0E	613.9	8.0E 778.4
275.0	30.0E	0.4	15.0E	187.0	30.0E	394.9	15.0E	721.2	8.0E	726.8	4.0E 1155.5
280.0	30.0E	0.4	15.0E	170.5	30.0E	364.7	15.0E	711.0	8.0E	810.5	15.0E 995.5
285.0	30.0E	0.4	15.0E	157.8	30.0E	354.8	15.0E	715.5	8.0E	799.1	15.0E 1003.5
290.0	30.0E	0.4	15.0E	147.8	30.0E	359.9	15.0E	397.9	30.0E	565.2	15.0E 761.7
295.0	30.0E	0.5	15.0E	137.9	30.0E	565.7	15.0E	821.1	2.0E	879.3	4.0E 1039.5
300.0	30.0E	0.5	15.0E	122.0	30.0E	565.6	15.0E	832.7	2.0E	987.5	4.0E 1286.4
305.0	30.0E	0.5	15.0E	104.7	30.0E	237.6	15.0E	268.8	30.0E	285.5	15.0E 381.4
	30.0E	573.8	15.0E	826.6	2.0E	918.0	4.0E	1005.0	2.0E	1138.4	15.0E 1300.0
310.0	30.0E	0.6	15.0E	92.3	30.0E	206.9	15.0E	454.2	30.0E	589.5	15.0E 927.1
315.0	30.0E	0.6	15.0E	83.1	30.0E	193.3	15.0E	426.6	30.0E	609.2	15.0E 1035.7
320.0	30.0E	0.7	15.0E	76.5	30.0E	211.6	15.0E	431.0	30.0E	617.9	15.0E 1056.8
325.0	30.0E	0.8	15.0E	71.9	30.0E	228.3	15.0E	469.2	30.0E	617.2	15.0E 993.7
330.0	30.0E	1.0	15.0E	68.3	30.0E	241.8	15.0E	493.1	30.0E	618.1	15.0E 1011.0
335.0	30.0E	1.3	15.0E	65.5	30.0E	245.0	15.0E	368.4	30.0E	775.0	15.0E 1006.7
340.0	30.0E	1.8	15.0E	62.8	30.0E	249.3	15.0E	288.5	30.0E	954.3	15.0E 970.2
345.0	30.0E	2.9	15.0E	59.8	30.0E	255.7	15.0E	275.2	30.0E	997.6	4.0E 1146.2
350.0	30.0E	8.4	15.0E	52.5	30.0E	264.0	15.0E	279.3	30.0E	730.5	15.0E 773.8
355.0	30.0E	95.9	15.0E	108.9	30.0E	252.1	15.0E	317.9	30.0E	698.4	15.0E 857.9

MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009

EXHIBIT #1G

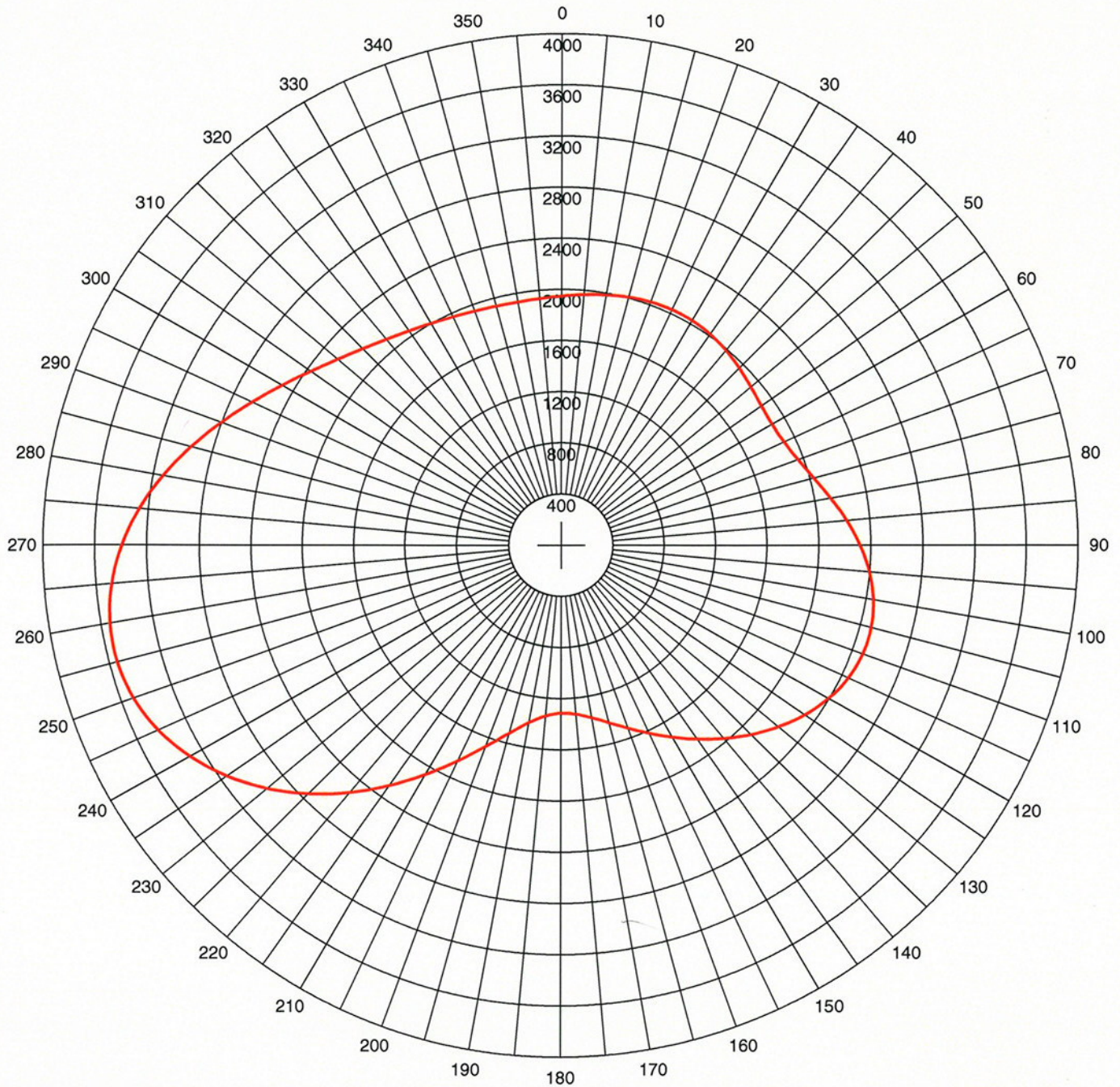
Call: KTCK Freq: 1310 kHz DALLAS, TX, US
 Lat: 32-56-41 N Lng: 096-56-25 W
 Power: 25.0 Kw Theo RMS: 2203.20 mV/m @ 1km @ 25.0 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.677	-63.0	90.0	0.0	225.4	0	0	0.0	0.0	0.0	0.0
2	1.000	0.0	0.0	0.0	225.4	0	0	0.0	0.0	0.0	0.0
3	0.553	-131.0	90.0	180.0	225.4	0	0	0.0	0.0	0.0	0.0
4	0.412	173.0	90.0	290.0	225.4	0	0	0.0	0.0	0.0	0.0

Standard Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	1947.69	5.0	1965.55	10.0	1986.41
15.0	2006.74	20.0	2022.68	25.0	2030.64
30.0	2027.96	35.0	2013.53	40.0	1988.43
45.0	1956.37	50.0	1923.74	55.0	1899.11
60.0	1891.77	65.0	1909.41	70.0	1955.54
75.0	2028.06	80.0	2119.58	85.0	2219.32
90.0	2315.52	95.0	2397.42	100.0	2456.48
105.0	2487.03	110.0	2486.40	115.0	2454.76
120.0	2394.68	125.0	2310.61	130.0	2208.16
135.0	2093.50	140.0	1972.67	145.0	1851.11
150.0	1733.41	155.0	1623.24	160.0	1523.78
165.0	1438.28	170.0	1370.93	175.0	1327.38
180.0	1314.68	185.0	1339.96	190.0	1408.21
195.0	1520.36	200.0	1672.84	205.0	1858.68
210.0	2068.98	215.0	2294.03	220.0	2523.96
225.0	2749.07	230.0	2960.08	235.0	3148.33
240.0	3306.18	245.0	3427.25	250.0	3506.86
255.0	3542.36	260.0	3533.32	265.0	3481.75
270.0	3392.03	275.0	3270.65	280.0	3125.87
285.0	2967.01	290.0	2803.70	295.0	2644.95
300.0	2498.27	305.0	2368.92	310.0	2259.55
315.0	2170.29	320.0	2099.39	325.0	2044.15
330.0	2001.84	335.0	1970.32	340.0	1948.32
345.0	1935.34	350.0	1931.21	355.0	1935.63

KTCK PROPOSED DIRECTIONAL DAY



Theo RMS: 2203.201 mV/m@1km
 Std RMS: 2314.45 mV/m@1km
 Q: 67.623 mV/m@1km

Standard Horizontal Plane Pattern

— Pattern (mV/m @ 1km)
 — Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.677	-63.0	90.0	0.0	225.4	0	0	0.0	0.0	0.0	0.0
2	1.000	0.0	0.0	0.0	225.4	0	0	0.0	0.0	0.0	0.0
3	0.553	-131.0	90.0	180.0	225.4	0	0	0.0	0.0	0.0	0.0
4	0.412	173.0	90.0	290.0	225.4	0	0	0.0	0.0	0.0	0.0

Call: KTCK
 Freq: 1310 kHz
 DALLAS, TX, US
 Hours: D
 Lat: 32-56-41 N
 Lng: 096-56-25 W
 Power: 25.0 kW
 Theo RMS: 2203.20 mV/m@1km
 @ 25.0 kW

EXHIBIT #1H

Output from NADCON for station KTCK Center of Array

North American Datum Conversion

NAD 83 to NAD 27

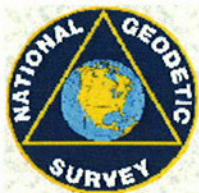
NADCON Program Version 2.11

=====

Transformation #: 1

Region: Conus

	Latitude	Longitude
NAD 27 datum values:	32 56 40.65229	96 56 24.98040
NAD 83 datum values:	32 56 41.10000	96 56 26.00000
NAD 27 - NAD 83 shift values:	-0.44771	-1.01960 (secs.)
	-13.792	-26.485 (meters)
Magnitude of total shift:		29.861 (meters)



[NGS HOME PAGE](http://www.ngs.noaa.gov/cgi-bin/nadcon.pl)

EXHIBIT #11
MINOR CHANGE APPLICATION
SUSQUEHANNA RADIO CORP.
KTCK AM RADIO STATION
has: 1310 kHz - 5.0/9.0 kW - DA2
req: 1310 kHz - 5.0/25.0 kW - DA2
DALLAS, TEXAS
November 2009