

TABLE 3 (Sheet 1 of 4)

**Measured Ground Conductivities Employed in
 Calculation of Distances to Groundwave Contours**

KTNO 1440 KHZ N.LAT: 32 45 02 W.LON: 96 43 22

MEASURED CONDUCTIVITIES

ALL DISTANCES ARE IN KILOMETERS (New Metric curves)
 ALL DISTANCES ARE CUMULATIVE

AZIMUTH *****	REGION		REGION		REGION		REGION	
	COND *****	DIST *****	COND *****	DIST *****	COND *****	DIST *****	COND *****	DIST *****
6.0	4.0	72.9						
11.0 ¹	3.0	1.2	2.0	3.6	3.0	15.0	4.0	33.5
27.5 ²	10.0	32.2						
44.0 ¹	3.0	2.65	5.0	7.0	8.0	19.5	10.0	34.4
58.5 ²	5.0	7.6	10.0	12.5	15.0	32.2		
76.0	5.0	2.4	10.0	30.6	10.0	55.0	6.0	80.3
93.0	6.0	6.8	8.0	19.0	10.0	80.3		
105.0 ²	5000.0	6.8	10.0	32.2				
117.0 ¹	4.0	19.0	8.0	43.0				
123.5	10.0	31.1	10.0	80.5				
138.0	8.0	82.4						
145.0 ¹	3.0	3.0	5.0	31.1				
162.0 ²	8.0	32.2						
170.0	6.0	2.7	10.0	31.8	10.0	52.0	15.0	80.3
187.0 ¹	3.0	1.0	5.0	3.4	4.0	17.0	5.0	31.4
	15.0	39.0	10.0	79.8				
201.0	3.0	12.0	5.0	23.0	10.0	60.0	7.0	81.0
205.5 ²	5.0	15.0	10.0	34.0	8.0	112.0		
224.0 ¹	3.0	1.0	1.0	3.4	4.0	16.0	5.0	36.5
240.0	15.0	3.1	8.0	30.1	6.0	80.3		
260.0*	30.0	4.1	2.0	10.5	3.0	25.0	6.0	120.6
280.0	15.0	2.05	6.0	32.4	5.0	79.7		
295.0*	10.0	4.5	2.0	29.1				
301.5 ¹	30.	2.05	2.0	4.6	3.0	19.0	5.0	36.5
320.0 ²	5.0	12.5	4.0	32.2				
335.0	15.0	0.8	4.0	7.2	7.0	31.4	6.0	75.3
350.0	20.0	0.9	6.0	29.0	5.0	52.0	7.0	144.0

Source of measured ground conductivity data is as follows: (See Narrative Statement for additional discussion concerning how measured data was employed - particularly the 11-degree radial measurements)

¹ KTNO August 2004 Proof Data - BL-20040827ACM.
² Additional measurements from licensed KTNO site on Buford Road. Measurement data for these radials are contained in the appendices to the instant application

Blue highlighted values taken from recent KRVA application, as amended [See BP-20050127AIX]. {NOTE: The KRVA site is less than 2 miles from the KTNO site.} Except as indicated below, measurement data for these radials are contained in the appendices to that application:
 * Measurement data for radials 260.0° (out to 25 km) & 295.0° (entire radial) are on file with the Commission in BP-20030127ABY.
 # Measurement data indicated with bold type are on file with the Commission in BL-19890329AC.

TABLE 3 (Sheet 2 of 4)

**Measured Ground Conductivities Employed in
 Calculation of Distances to Groundwave Contours**

KROO 1430 KHZ N.LAT: 32 47 32 W.LON: 98 56 24

MEASURED CONDUCTIVITIES

ALL DISTANCES ARE IN KILOMETERS (New Metric curves)
 ALL DISTANCES ARE CUMULATIVE

AZIMUTH *****	REGION		REGION		REGION		REGION	
	COND	DIST	COND	DIST	COND	DIST	COND	DIST
*****	*****	*****	*****	*****	*****	*****	*****	*****
55.0	15.0	36.0	10.0	56.2				
75.0	15.0	23.0	10.0	56.3				
95.0	10.0	56.5						

Measurement data for all radials are shown in the Appendices herein.

KEES 1430 KHZ N.LAT: 32 31 46 W.LON: 94 52 50

MEASURED CONDUCTIVITIES

ALL DISTANCES ARE IN KILOMETERS (New Metric curves)
 ALL DISTANCES ARE CUMULATIVE

AZIMUTH *****	REGION		REGION		REGION		REGION	
	COND	DIST	COND	DIST	COND	DIST	COND	DIST
*****	*****	*****	*****	*****	*****	*****	*****	*****
270.0	3.00	56.3						

Measurement data for all radials are shown in the Appendices herein.

TABLE 3 (Sheet 3 of 4)

**Measured Ground Conductivities Employed in
 Calculation of Distances to Groundwave Contours**

KPUR 1440 KHZ N.LAT: 35 07 20 W.LON: 101 48 09
 LICENSED SITE:

MEASURED CONDUCTIVITIES

ALL DISTANCES ARE IN KILOMETERS (New Metric curves)
 ALL DISTANCES ARE CUMULATIVE

AZIMUTH *****	REGION		REGION		REGION		REGION	
	COND	DIST	COND	DIST	COND	DIST	COND	DIST
*****	*****	*****	*****	*****	*****	*****	*****	*****
104.0	15.0	12.5	20.0	60.0	15.0	177.0		
124.0	15.0	206.0						

Measurement data for all radials on file with the Commission in BMP-20030331ALX

KNET 1450 KHZ N.LAT: 31 46 22 W.LON: 95 36 59
 LICENSED SITE: BL-19820716AM
 [Site coordinates corrected in BP-20030711ABD]

MEASURED CONDUCTIVITIES

ALL DISTANCES ARE IN KILOMETERS (New Metric curves)
 ALL DISTANCES ARE CUMULATIVE

AZIMUTH *****	REGION		REGION		REGION		REGION	
	COND	DIST	COND	DIST	COND	DIST	COND	DIST
*****	*****	*****	*****	*****	*****	*****	*****	*****
284.0	3.0	29.0	5.0	62.0				
304.0	4.0	4.5	3.0	50.0	5.0	83.7		

Measurement data for all radials on file with the Commission in BMP-20030331ALX

TABLE 3 (Sheet 4 of 4)

**Measured Ground Conductivities Employed in
 Calculation of Distances to Groundwave Contours**

KTFW 1460 KHZ N.LAT: 32 34 43 W.LON: 97 16 50
 LICENSED SITE: BL-20030822AJV

MEASURED CONDUCTIVITIES

ALL DISTANCES ARE IN KILOMETERS (New Metric curves)
 ALL DISTANCES ARE CUMULATIVE

AZIMUTH *****	REGION		REGION		REGION		REGION	
	COND	DIST	COND	DIST	COND	DIST	COND	DIST
*****	*****	*****	*****	*****	*****	*****	*****	*****
40.0*	7.0	18.0	5.0	32.9				
60.0*	8.0	32.2						
80.0*	7.0	14.0	10.0	32.0				
100.0*	1.0	3.0	2.0	9.0	3.0	20.0		
320.0#	10.0	3.5	15.0	18.0	10.0	59.8		
340.0#	10.0	21.5	8.0	48.0	10.0	239.0		
360.0#	10.0	21.0	8.0	51.0	10.0	200.0		

* Measurement data for radials 40.0°, 60.0°, 80.0°, & 100.0° on file with
 the Commission in BMP-20040615ACB
 # Measurements taken from the KTFW application for construction permit
 [See FCC File Number BMP-20030402ADY]