

TABLE 2 (Page 1 of 6)

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

WKHB 620 KHZ N.LAT: 40 17 20 W.LON: 79 42 04

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
0.0	3.0	25.0	1.5	47.0	1.0	79.3		
15.0	2.0	44.0	1.5	77.6				
35.0	5.0	23.0	2.5	135.0	1.5	203.0		
55.0	2.0	64.0	1.5	261.0				
75.0	2.0	44.0	1.5	230.0				
95.0	4.0	11.0	3.0	30.0	1.5	227.0		
115.0	1.5	253.0						
135.0	1.5	96.4						
155.0	4.0	6.2	3.0	33.0	1.0	138.0		
175.0	2.0	60.0	1.5	141.0				
195.0	6.0	16.0	3.0	58.0	2.0	148.0	1.0	214.0
215.0	2.0	70.0	1.5	211.0				
235.0	2.0	50.0	1.0	115.0				
255.0	2.0	78.0	1.5	175.0				
275.0	2.0	80.0	1.5	110.0				
295.0	2.0	62.0	1.5	118.0				
310.0	2.0	77.0	1.5	122.0				
327.5	2.0	129.0						
347.5	2.0	80.5						

See WKHB Application for Modification of Construction Permit, FCC File No. BMP-19990521AQ (as amended) and WKTW [Jeannette, PA] Application for Modification of Construction Permit, FCC File No. BMJP-20001023ADZ

TABLE 2 (Page 2 of 6)

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

WHEN 620 KHZ N.LAT: 43 05 34 W.LON: 76 11 17

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
32.0	4.0	20.1	3.0	32.7				
68.5	4.0	22.9						
77.0	4.0	32.2						
122.0	4.0	29.6						
167.0	4.0	26.7						
201.0	4.0	12.9	3.0	29.9				
225.0	40.0	7.1	4.0	100.1	2.5	225.0		
257.0	4.0	31.2						
274.0	4.0	31.9						
302.0	4.0	32.0						
347.0	4.0	15.0	3.0	32.0				

*See WHEN 1968 proof of performance, FCC File No. BL-12,163, and WKHB Application for Modification of Construction Permit, FCC File No. BMP-19990521AQ (as amended)*

TABLE 2 (Page 3 of 6)

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

WMAL            630 KHZ            N.LAT: 39 00 55    W.LON: 77 08 30

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
*****	*****	*****	*****	*****	*****	*****	*****	*****
0.0	2.0	10.4						
15.0	2.0	21.8						
50.0	1.5	102.2						
70.0	0.5	3.6	1.5	66.0	3.0	130.0		
90.0	1.5	74.8	2.0	123.1				
110.0	1.5	16.4	2.0	130.0	1.5	180.2		
140.5	4.0	12.9						

*See WWJZ [640 kHz, Mt. Holly, NJ] Application for Construction Permit, FCC File No. BMP-19921207AC*

TABLE 2 (Page 4 of 6)

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

WRJZ            620 KHZ            N.LAT: 35 59 24    W.LON: 83 50 15

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
*****	*****	*****	*****	*****	*****	*****	*****	*****
3.0	2.0	23.3						
14.0	2.0	22.5						
43.0	2.5	25.7						
60.0	4.0	28.2						
73.0	3.0	23.2						
103.0	2.5	20.4						
118.0	2.0	27.8						
131.0	1.0	27.5						
169.0	2.0	22.2						
186.0	2.0	24.6						
204.0	2.0	28.0						
253.0	2.0	11.3						
265.0	1.0	4.4	2.0	12.2				
303.0	2.0	23.5						
337.0	2.0	22.7						

See WRJZ 1977 partial proof of performance, FCC File Number BL-19791210AE

TABLE 2 (Page 5 of 6)

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

WSNR 620 KHZ N.LAT: 40 47 51 W.LON: 74 21 36

MEASURED CONDUCTIVITIES  
**WSNR LICENSED SITE ONLY**  
 \*\*\*\*\*

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 *****
9.0	3.0 1.0	1.3 30.9	1.5	3.1	2.0	17.1	1.5	19.8
11.0	1.5	20.1	1.0	35.1				
35.0	3.0	8.4	5.0	21.4	3.0	32.0		
39.0	3.0	2.6	5.0	20.3	3.0	27.2	2.0	30.4
66.0	2.0 1.5	22.4 143.7	3.0	54.6	1.5	86.3	2.0	120.4
82.0	3.0 0.5	56.2 124.9	2.0	62.1	1.5	74.8	1.0	98.7
98.0	3.0	72.3	2.0	90.9				
110.0	2.0	12.6	3.0	28.6				
150.0	1.5	1.6	2.0	15.0	3.0	25.1		
185.0	2.0	32.3						
195.0	1.5	1.9	2.0	11.7	3.0	31.9		
211.0	2.0	32.2						
220.0	2.0	32.3						
228.0	2.0	8.4	3.0	28.5				
241.0	4.0	37.5						
250.0	2.0	15.6	1.5	29.8				
258.0	2.0	15.1	1.5	30.4				
265.0	2.0	31.2						
290.0	6.0	9.8	2.0	31.9				
328.0	1.5	2.4	2.0	14.8	1.0	32.2		
335.0	3.0	14.0	2.0	16.3	1.0	29.1		

TABLE 2 (Page 6 of 6)

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

WTMJ            620 KHZ            N.LAT: 42 42 28    W.LON: 88 03 57

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
*****	*****	*****	*****	*****	*****	*****	*****	*****
0.0	10.0	31.9						
15.0	20.0	33.1						
30.0	20.0	34.3						
55.0	10.0	23.0						
75.0	15.0	26.0						
90.0	20.0	23.1						
140.0	20.0	29.7						
150.0	20.0	32.1						
180.0	20.0	32.4						
190.0	10.0	31.8						
225.0	7.0	33.5						
235.0	8.0	32.0						
270.0	10.0	33.0						
295.0	8.0	32.2						
320.0	8.0	32.8						
340.0	10.0	32.9						

*See Petition to Deny filed by WTMJ in WKHB FCC File No. BP-19961016AC*