

**FIGURE 12 AMENDED  
KTRS REFERENCE FIELD INTENSITY MEASUREMENTS  
OCTOBER, 2021**

**KTRS NIGHT REFERENCE POINT MEASUREMENTS – OCTOBER 26, 2021**

<u>Radial</u>		<u>Dist</u> <u>km</u>	<u>mV/m</u>	<u>Time</u>	<i>CO-ORD NAD27</i>			<u>Description</u>
					<u>Deg</u>	<u>Min</u>	<u>Sec</u>	
<b>64.5°</b>	1	5.93	7.49	1642	N 38 41 07.3 W 90 04 00.7		#2910 Route 111	
	2	6.04	9.14	1645	N 38 41 09.3 W 90 03 56.7		Theikler Rd. opposite fence	
	3	6.95	14.4	1653	N 38 41 22.0 W 90 03 22.5		Bruns Rd.	
<b>83°</b>	1	3.38	10.7	1626	N 38 39 57.9 W 90 05 23.9		Route 111, South side	
	2	3.42	10.3	1635	N 38 39 57.6 W 90 05 22.2		Route 111, North side	
	3	6.93	15.2	1617	N 38 40 06.4 W 90 02 56.5		On ramp, I 55	
<b>124.5°</b>	1	2.50	28.3	1554	N 38 38 58.9 W 90 06 17.7		43 <sup>rd</sup> Street, parking lot	
	2	2.60	22.7	1559	N 38 38 57.0 W 90 06 14.5		#2834 44 <sup>th</sup> Street	
	3	2.70	20.2	1603	N 38 38 55.3 W 90 06 10.8		#2821 45 <sup>th</sup> Street	

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					<u>Deg</u>	<u>Min</u>	<u>Sec</u>	
<b>184.5°</b>	1	1.58	490	1537	N 38 38	54.1	End of Madison Rd.	
					W 90 07	48.4		
	2	1.74	477	1543	N 38 38	48.6	On ramp I55/I70	
					W 90 07	48.6		
	3	2.55	302	1548	N 38 38	22.5	Collinsville Rd. opposite fence	
					W 90 07	51.2		
<b>220°</b>	1	0.37	1270	1530	N 38 39	35.7	Madison Rd. at drive	
					W 90 07	52.7		
	2	3.39	68.2	1140	N 38 38	20.6	Route 3 at fire hydrant	
					W 90 09	13.1		
	3	4.71	42.8	1155	N 38 37	46.8	Stone access road at railroad tracks	
					W 90 09	46.7		
<b>270°</b>	1	0.97	1220	1056	N 38 39	45.0	Old Madison Rd.	
					W 90 08	23.3		
	2	1.52	548	1115	N 38 39	45.0	Bend Rd..	
					W 90 08	46.0		
	3	3.58	237	1131	N 38 39	45.0	4 <sup>th</sup> Street at bridge	
					W 90 10	10.0		

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					<u>Deg</u>	<u>Min</u>	<u>Sec</u>	
<b>320°</b>	1	2.40	110	1103	N 38 40	44.5	Intersection of 3 <sup>rd</sup> St./McNair	
					W 90 08	46.7		
	2	2.68	94.2	1106	N 38 40	51.6	#1830 5 <sup>th</sup> Street	
					W 90 08	54.7		
	3	2.91	63.4	1109	N 38 40	57.3	Intersection Highland/Skeen	
					W 90 09	00.2		
<b>358°</b>	1	3.70	213	1708	N 38 41	44.7	Route 203 at Iron mill	
					W 90 07	48.3		
	2	5.25	289	1718	N 38 42	35.2	Intersection Washington Ave./27 <sup>th</sup> St.	
					W 90 07	49.3		
	3	5.51	185	1725	N 38 42	43.1	Opposite #2725 Madison Ave	
					W 90 07	49.6		

All Field Intensity Measurements were made with a Potomac Instruments Field Intensity Meter, model PI 4100, Serial Number 249, calibrated on January 21, 2016. The meter was calibrated by Potomac Instruments, Frederick, Maryland. The meter was compared to a Potomac Instruments PI 4100, Serial Number 188, calibrated on October 14, 2020, and agreed. All measurements were taken by Phasetek Inc. personnel supervised by Kurt Gorman of Phasetek Inc.