

EXHIBIT 15.3

Tabulation of Proposed Nighttime Radiation

Station: WNWI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	38.0613

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Horizontal Plane Pattern

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	1074.66	5.0	1037.25	10.0	985.96
15.0	921.91	20.0	846.65	25.0	762.14
30.0	670.78	35.0	575.34	40.0	478.92
45.0	384.77	50.0	296.18	55.0	216.27
60.0	147.89	65.0	93.78	70.0	57.32
75.0	42.02	80.0	41.92	85.0	44.02
90.0	43.48	95.0	41.39	100.0	40.35
105.0	41.79	110.0	44.68	115.0	46.96
120.0	47.24	125.0	45.51	130.0	43.30
135.0	43.52	140.0	48.65	145.0	58.40
150.0	70.40	155.0	82.20	160.0	91.91
165.0	98.23	170.0	100.43	175.0	98.23
180.0	91.91	185.0	82.20	190.0	70.40
195.0	58.40	200.0	48.65	205.0	43.52
210.0	43.30	215.0	45.51	220.0	47.24
225.0	46.96	230.0	44.68	235.0	41.79
240.0	40.35	245.0	41.39	250.0	43.48
255.0	44.02	260.0	41.92	265.0	42.02
270.0	57.32	275.0	93.78	280.0	147.89
285.0	216.27	290.0	296.18	295.0	384.77
300.0	478.92	305.0	575.34	310.0	670.78
315.0	762.14	320.0	846.65	325.0	921.91
330.0	985.96	335.0	1037.25	340.0	1074.66
345.0	1097.40	350.0	1105.03	355.0	1097.40

MUNN-REESE, INC.

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Station: WNWI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	37.8684

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 5 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	1061.79	5.0	1024.80	10.0	974.07
15.0	910.74	20.0	836.34	25.0	752.81
30.0	662.53	35.0	568.25	40.0	473.01
45.0	380.04	50.0	292.56	55.0	213.67
60.0	146.16	65.0	92.78	70.0	56.83
75.0	41.79	80.0	41.71	85.0	43.79
90.0	43.28	95.0	41.20	100.0	40.15
105.0	41.53	110.0	44.38	115.0	46.67
120.0	47.03	125.0	45.38	130.0	43.16
135.0	43.16	140.0	47.84	145.0	57.07
150.0	68.60	155.0	80.02	160.0	89.45
165.0	95.60	170.0	97.74	175.0	95.60
180.0	89.45	185.0	80.02	190.0	68.60
195.0	57.07	200.0	47.84	205.0	43.16
210.0	43.16	215.0	45.38	220.0	47.03
225.0	46.67	230.0	44.38	235.0	41.53
240.0	40.15	245.0	41.20	250.0	43.28
255.0	43.79	260.0	41.71	265.0	41.79
270.0	56.83	275.0	92.78	280.0	146.16
285.0	213.67	290.0	292.56	295.0	380.04
300.0	473.01	305.0	568.25	310.0	662.53
315.0	752.81	320.0	836.34	325.0	910.74
330.0	974.07	335.0	1024.80	340.0	1061.79
345.0	1084.29	350.0	1091.84	355.0	1084.29

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Tabulation of Proposed Nighttime Radiation

Station: WNWJ proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	37.2946

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 10 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	1023.94	5.0	988.15	10.0	939.09
15.0	877.88	20.0	806.01	25.0	725.39
30.0	638.30	35.0	547.41	40.0	455.65
45.0	366.13	50.0	281.94	55.0	206.02
60.0	141.11	65.0	89.81	70.0	55.39
75.0	41.09	80.0	41.08	85.0	43.12
90.0	42.66	95.0	40.65	100.0	39.54
105.0	40.75	110.0	43.49	115.0	45.83
120.0	46.39	125.0	44.98	130.0	42.78
135.0	42.21	140.0	45.65	145.0	53.38
150.0	63.54	155.0	73.83	160.0	82.44
165.0	88.09	170.0	90.06	175.0	88.09
180.0	82.44	185.0	73.83	190.0	63.54
195.0	53.38	200.0	45.65	205.0	42.21
210.0	42.78	215.0	44.98	220.0	46.39
225.0	45.83	230.0	43.49	235.0	40.75
240.0	39.54	245.0	40.65	250.0	42.66
255.0	43.12	260.0	41.08	265.0	41.09
270.0	55.39	275.0	89.81	280.0	141.11
285.0	206.02	290.0	281.94	295.0	366.13
300.0	455.65	305.0	547.41	310.0	638.30
315.0	725.39	320.0	806.01	325.0	877.88
330.0	939.09	335.0	988.15	340.0	1023.94
345.0	1045.71	350.0	1053.01	355.0	1045.71

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Tabulation of Proposed Nighttime Radiation

Station: WNWI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	36.3548

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 15 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	963.24	5.0	929.40	10.0	883.05
15.0	825.27	20.0	757.48	25.0	681.52
30.0	599.56	35.0	514.11	40.0	427.93
45.0	343.92	50.0	264.97	55.0	193.83
60.0	133.03	65.0	85.08	70.0	53.08
75.0	39.97	80.0	40.04	85.0	42.01
90.0	41.64	95.0	39.74	100.0	38.55
105.0	39.51	110.0	42.04	115.0	44.41
120.0	45.27	125.0	44.27	130.0	42.21
135.0	40.98	140.0	42.72	145.0	48.19
150.0	56.18	155.0	64.69	160.0	71.97
165.0	76.82	170.0	78.51	175.0	76.82
180.0	71.97	185.0	64.69	190.0	56.18
195.0	48.19	200.0	42.72	205.0	40.98
210.0	42.21	215.0	44.27	220.0	45.27
225.0	44.41	230.0	42.04	235.0	39.51
240.0	38.55	245.0	39.74	250.0	41.64
255.0	42.01	260.0	40.04	265.0	39.97
270.0	53.08	275.0	85.08	280.0	133.03
285.0	193.83	290.0	264.97	295.0	343.92
300.0	427.93	305.0	514.11	310.0	599.56
315.0	681.52	320.0	757.48	325.0	825.27
330.0	883.05	335.0	929.40	340.0	963.24
345.0	983.84	350.0	990.75	355.0	983.84

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Tabulation of Proposed Nighttime Radiation

Station: WNWJ proposed

Freq.	Power	Pat-Mult	Theo-RMS	Standard	Pat-RSS	Q
kHz	(kW)	(mV/m)	(mV/m)	RMS-mV/m	(mV/m)	Factor
1080	2.60	1039.25	462.77	487.55	1522.45	35.0722

Twr	Field	Phase	Spacing	Orient	Twr	TL/	Elec-Ht	TL(B)	TL(C)	TL(D)
No.	Ratio	Deg.	Deg.	Deg.	Ref	Sec	in Deg.	Deg.	Deg.	Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 20 Degrees Elevation

Azimuth	Field	Azimuth	Field	Azimuth	Field
Deg.	mV/m	Deg.	mV/m	Deg.	mV/m
	@ 1 km		@ 1 km		@ 1 km
0.0	883.13	5.0	851.90	10.0	809.16
15.0	755.94	20.0	693.60	25.0	623.83
30.0	548.65	35.0	470.39	40.0	391.55
45.0	314.79	50.0	242.72	55.0	177.83
60.0	122.44	65.0	78.87	70.0	50.03
75.0	38.45	80.0	38.63	85.0	40.51
90.0	40.25	95.0	38.49	100.0	37.22
105.0	37.85	110.0	40.08	115.0	42.44
120.0	43.64	125.0	43.17	130.0	41.47
135.0	39.81	140.0	39.89	145.0	42.77
150.0	48.03	155.0	54.20	160.0	59.75
165.0	63.54	170.0	64.87	175.0	63.54
180.0	59.75	185.0	54.20	190.0	48.03
195.0	42.77	200.0	39.89	205.0	39.81
210.0	41.47	215.0	43.17	220.0	43.64
225.0	42.44	230.0	40.08	235.0	37.85
240.0	37.22	245.0	38.49	250.0	40.25
255.0	40.51	260.0	38.63	265.0	38.45
270.0	50.03	275.0	78.87	280.0	122.44
285.0	177.83	290.0	242.72	295.0	314.79
300.0	391.55	305.0	470.39	310.0	548.65
315.0	623.83	320.0	693.60	325.0	755.94
330.0	809.16	335.0	851.90	340.0	883.13
345.0	902.14	350.0	908.53	355.0	902.14

MUNN-REESE, INC.

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Tabulation of Proposed Nighttime Radiation

Station: WNWJ proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	33.4776

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 25 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	788.03	5.0	759.95	10.0	721.57
15.0	673.84	20.0	618.01	25.0	555.64
30.0	488.55	35.0	418.81	40.0	348.68
45.0	280.47	50.0	216.51	55.0	158.99
60.0	109.96	65.0	71.55	70.0	46.41
75.0	36.58	80.0	36.87	85.0	38.63
90.0	38.50	95.0	36.94	100.0	35.61
105.0	35.87	110.0	37.69	115.0	39.95
120.0	41.44	125.0	41.57	130.0	40.44
135.0	38.79	140.0	37.77	145.0	38.38
150.0	40.83	155.0	44.38	160.0	47.91
165.0	50.45	170.0	51.36	175.0	50.45
180.0	47.91	185.0	44.38	190.0	40.83
195.0	38.38	200.0	37.77	205.0	38.79
210.0	40.44	215.0	41.57	220.0	41.44
225.0	39.95	230.0	37.69	235.0	35.87
240.0	35.61	245.0	36.94	250.0	38.50
255.0	38.63	260.0	36.87	265.0	36.58
270.0	46.41	275.0	71.55	280.0	109.96
285.0	158.99	290.0	216.51	295.0	280.47
300.0	348.68	305.0	418.81	310.0	488.55
315.0	555.64	320.0	618.01	325.0	673.84
330.0	721.57	335.0	759.95	340.0	788.03
345.0	805.14	350.0	810.89	355.0	805.14

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Tabulation of Proposed Nighttime Radiation

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Freq.	Power	Pat-Mult	Theo-RMS	Standard	Pat-RSS	Q
kHz	(kW)	(mV/m)	(mV/m)	RMS-mV/m	(mV/m)	Factor
1080	2.60	1039.25	462.77	487.55	1522.45	31.6070

Twr	Field	Phase	Spacing	Orient	Twr	TL/	Elec-Ht	TL(B)	TL(C)	TL(D)
No.	Ratio	Deg.	Deg.	Deg.	Ref	Sec	in Deg.	Deg.	Deg.	Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 30 Degrees Elevation

Azimuth	Field	Azimuth	Field	Azimuth	Field
Deg.	mV/m	Deg.	mV/m	Deg.	mV/m
	@ 1 km		@ 1 km		@ 1 km
0.0	683.09	5.0	658.56	10.0	625.07
15.0	583.48	20.0	534.92	25.0	480.77
30.0	422.63	35.0	362.30	40.0	301.74
45.0	242.93	50.0	187.84	55.0	138.37
60.0	96.29	65.0	63.51	70.0	42.40
75.0	34.41	80.0	34.81	85.0	36.43
90.0	36.44	95.0	35.10	100.0	33.76
105.0	33.65	110.0	34.98	115.0	36.99
120.0	38.67	125.0	39.36	130.0	38.93
135.0	37.72	140.0	36.39	145.0	35.66
150.0	35.95	155.0	37.14	160.0	38.68
165.0	39.93	170.0	40.40	175.0	39.93
180.0	38.68	185.0	37.14	190.0	35.95
195.0	35.66	200.0	36.39	205.0	37.72
210.0	38.93	215.0	39.36	220.0	38.67
225.0	36.99	230.0	34.98	235.0	33.65
240.0	33.76	245.0	35.10	250.0	36.44
255.0	36.43	260.0	34.81	265.0	34.41
270.0	42.40	275.0	63.51	280.0	96.29
285.0	138.37	290.0	187.84	295.0	242.93
300.0	301.74	305.0	362.30	310.0	422.63
315.0	480.77	320.0	534.92	325.0	583.48
330.0	625.07	335.0	658.56	340.0	683.09
345.0	698.05	350.0	703.08	355.0	698.05

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Station: WNNI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	29.4997

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 35 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	573.77	5.0	553.01	10.0	524.71
15.0	489.61	20.0	448.71	25.0	403.18
30.0	354.40	35.0	303.88	40.0	253.25
45.0	204.15	50.0	158.24	55.0	117.07
60.0	82.16	65.0	55.19	70.0	38.18
75.0	32.00	80.0	32.49	85.0	33.95
90.0	34.09	95.0	33.00	100.0	31.72
105.0	31.29	110.0	32.09	115.0	33.71
120.0	35.38	125.0	36.47	130.0	36.72
135.0	36.19	140.0	35.20	145.0	34.18
150.0	33.48	155.0	33.25	160.0	33.38
165.0	33.62	170.0	33.73	175.0	33.62
180.0	33.38	185.0	33.25	190.0	33.48
195.0	34.18	200.0	35.20	205.0	36.19
210.0	36.72	215.0	36.47	220.0	35.38
225.0	33.71	230.0	32.09	235.0	31.29
240.0	31.72	245.0	33.00	250.0	34.09
255.0	33.95	260.0	32.49	265.0	32.00
270.0	38.18	275.0	55.19	280.0	82.16
285.0	117.07	290.0	158.24	295.0	204.15
300.0	253.25	305.0	303.88	310.0	354.40
315.0	403.18	320.0	448.71	325.0	489.61
330.0	524.71	335.0	553.01	340.0	573.77
345.0	586.44	350.0	590.70	355.0	586.44

MUNN-REESE, INC.

Broadcast Engineering Consultants
Coldwater, MI 49036

EXHIBIT 15.3

Tabulation of Proposed Nighttime Radiation

Station: WNNI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	27.1959

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 40 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	465.46	5.0	448.51	10.0	425.44
15.0	396.88	20.0	363.64	25.0	326.72
30.0	287.24	35.0	246.43	40.0	205.59
45.0	166.06	50.0	129.15	55.0	96.13
60.0	68.26	65.0	46.97	70.0	33.91
75.0	29.41	80.0	29.95	85.0	31.24
90.0	31.49	95.0	30.67	100.0	29.52
105.0	28.85	110.0	29.14	115.0	30.26
120.0	31.71	125.0	32.97	130.0	33.71
135.0	33.85	140.0	33.49	145.0	32.85
150.0	32.16	155.0	31.58	160.0	31.20
165.0	31.00	170.0	30.94	175.0	31.00
180.0	31.20	185.0	31.58	190.0	32.16
195.0	32.85	200.0	33.49	205.0	33.85
210.0	33.71	215.0	32.97	220.0	31.71
225.0	30.26	230.0	29.14	235.0	28.85
240.0	29.52	245.0	30.67	250.0	31.49
255.0	31.24	260.0	29.95	265.0	29.41
270.0	33.91	275.0	46.97	280.0	68.26
285.0	96.13	290.0	129.15	295.0	166.06
300.0	205.59	305.0	246.43	310.0	287.24
315.0	326.72	320.0	363.64	325.0	396.88
330.0	425.44	335.0	448.51	340.0	465.46
345.0	475.81	350.0	479.29	355.0	475.81

MUNN-REESE, INC.

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EXHIBIT 15.3

Tabulation of Proposed Nighttime Radiation

Station: WNNI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	24.7350

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----
Standard Pattern

Calculated at 45 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	363.06	5.0	349.79	10.0	331.74
15.0	309.44	20.0	283.53	25.0	254.80
30.0	224.13	35.0	192.48	40.0	160.87
45.0	130.32	50.0	101.85	55.0	76.46
60.0	55.18	65.0	39.19	70.0	29.73
75.0	26.69	80.0	27.24	85.0	28.35
90.0	28.68	95.0	28.13	100.0	27.17
105.0	26.40	110.0	26.26	115.0	26.83
120.0	27.88	125.0	29.03	130.0	29.99
135.0	30.58	140.0	30.80	145.0	30.72
150.0	30.45	155.0	30.12	160.0	29.83
165.0	29.64	170.0	29.57	175.0	29.64
180.0	29.83	185.0	30.12	190.0	30.45
195.0	30.72	200.0	30.80	205.0	30.58
210.0	29.99	215.0	29.03	220.0	27.88
225.0	26.83	230.0	26.26	235.0	26.40
240.0	27.17	245.0	28.13	250.0	28.68
255.0	28.35	260.0	27.24	265.0	26.69
270.0	29.73	275.0	39.19	280.0	55.18
285.0	76.46	290.0	101.85	295.0	130.32
300.0	160.87	305.0	192.48	310.0	224.13
315.0	254.80	320.0	283.53	325.0	309.44
330.0	331.74	335.0	349.79	340.0	363.06
345.0	371.17	350.0	373.90	355.0	371.17

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EXHIBIT 15.3

Tabulation of Proposed Nighttime Radiation

Station: WNNI proposed

Freq.	Power	Pat-Mult	Theo-RMS	Standard	Pat-RSS	Q
kHz	(kW)	(mV/m)	(mV/m)	RMS-mV/m	(mV/m)	Factor
1080	2.60	1039.25	462.77	487.55	1522.45	22.1538

Twr	Field	Phase	Spacing	Orient	Twr	TL/	Elec-Ht	TL(B)	TL(C)	TL(D)
No.	Ratio	Deg.	Deg.	Deg.	Ref	Sec	in Deg.	Deg.	Deg.	Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 50 Degrees Elevation

Azimuth	Field	Azimuth	Field	Azimuth	Field
Deg.	mV/m	Deg.	mV/m	Deg.	mV/m
	@ 1 km		@ 1 km		@ 1 km
0.0	270.67	5.0	260.77	10.0	247.33
15.0	230.74	20.0	211.49	25.0	190.18
30.0	167.48	35.0	144.08	40.0	120.76
45.0	98.26	50.0	77.34	55.0	58.78
60.0	43.40	65.0	32.12	70.0	25.74
75.0	23.86	80.0	24.40	85.0	25.32
90.0	25.70	95.0	25.39	100.0	24.67
105.0	23.92	110.0	23.51	115.0	23.61
120.0	24.16	125.0	24.97	130.0	25.83
135.0	26.57	140.0	27.10	145.0	27.42
150.0	27.57	155.0	27.59	160.0	27.55
165.0	27.51	170.0	27.50	175.0	27.51
180.0	27.55	185.0	27.59	190.0	27.57
195.0	27.42	200.0	27.10	205.0	26.57
210.0	25.83	215.0	24.97	220.0	24.16
225.0	23.61	230.0	23.51	235.0	23.92
240.0	24.67	245.0	25.39	250.0	25.70
255.0	25.32	260.0	24.40	265.0	23.86
270.0	25.74	275.0	32.12	280.0	43.40
285.0	58.78	290.0	77.34	295.0	98.26
300.0	120.76	305.0	144.08	310.0	167.48
315.0	190.18	320.0	211.49	325.0	230.74
330.0	247.33	335.0	260.77	340.0	270.67
345.0	276.72	350.0	278.76	355.0	276.72

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EXHIBIT 15.3

Tabulation of Proposed Nighttime Radiation

Station: WNWI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	19.4848

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 55 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	191.29	5.0	184.33	10.0	174.89
15.0	163.24	20.0	149.76	25.0	134.85
30.0	118.98	35.0	102.66	40.0	86.42
45.0	70.79	50.0	56.33	55.0	43.61
60.0	33.25	65.0	25.91	70.0	21.99
75.0	20.98	80.0	21.46	85.0	22.20
90.0	22.58	95.0	22.48	100.0	22.00
105.0	21.39	110.0	20.89	115.0	20.66
120.0	20.76	125.0	21.14	130.0	21.68
135.0	22.27	140.0	22.81	145.0	23.25
150.0	23.58	155.0	23.80	160.0	23.94
165.0	24.02	170.0	24.04	175.0	24.02
180.0	23.94	185.0	23.80	190.0	23.58
195.0	23.25	200.0	22.81	205.0	22.27
210.0	21.68	215.0	21.14	220.0	20.76
225.0	20.66	230.0	20.89	235.0	21.39
240.0	22.00	245.0	22.48	250.0	22.58
255.0	22.20	260.0	21.46	265.0	20.98
270.0	21.99	275.0	25.91	280.0	33.25
285.0	43.61	290.0	56.33	295.0	70.79
300.0	86.42	305.0	102.66	310.0	118.98
315.0	134.85	320.0	149.76	325.0	163.24
330.0	174.89	335.0	184.33	340.0	191.29
345.0	195.54	350.0	196.98	355.0	195.54

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EXHIBIT 15.3

Tabulation of Proposed Nighttime Radiation

Station: WNWI proposed

Freq. kHz	Power (kW)	Pat-Mult (mV/m)	Theo-RMS (mV/m)	Standard RMS-mV/m	Pat-RSS (mV/m)	Q Factor
1080	2.60	1039.25	462.77	487.55	1522.45	16.7559

Twr No.	Field Ratio	Phase Deg.	Spacing Deg.	Orient Deg.	Twr Ref	TL/ Sec	Elec-Ht in Deg.	TL(B) Deg.	TL(C) Deg.	TL(D) Deg.
1	0.388	-155.0	0.0	0.0	0	0	77.4	0.0	0.0	0.0
2	1.000	0.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0
3	0.943	154.5	70.0	170.0	1	0	77.4	0.0	0.0	0.0
4	0.326	-51.0	70.0	170.0	1	0	77.4	0.0	0.0	0.0

-----The Calculated Radiation Values-----

Standard Pattern

Calculated at 60 Degrees Elevation

Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km	Azimuth Deg.	Field mV/m @ 1 km
0.0	126.67	5.0	122.12	10.0	115.96
15.0	108.37	20.0	99.58	25.0	89.88
30.0	79.57	35.0	69.00	40.0	58.50
45.0	48.44	50.0	39.22	55.0	31.22
60.0	24.89	65.0	20.61	70.0	18.49
75.0	18.05	80.0	18.45	85.0	19.02
90.0	19.38	95.0	19.41	100.0	19.17
105.0	18.75	110.0	18.31	115.0	17.97
120.0	17.78	125.0	17.79	130.0	17.95
135.0	18.23	140.0	18.55	145.0	18.86
150.0	19.15	155.0	19.37	160.0	19.54
165.0	19.64	170.0	19.67	175.0	19.64
180.0	19.54	185.0	19.37	190.0	19.15
195.0	18.86	200.0	18.55	205.0	18.23
210.0	17.95	215.0	17.79	220.0	17.78
225.0	17.97	230.0	18.31	235.0	18.75
240.0	19.17	245.0	19.41	250.0	19.38
255.0	19.02	260.0	18.45	265.0	18.05
270.0	18.49	275.0	20.61	280.0	24.89
285.0	31.22	290.0	39.22	295.0	48.44
300.0	58.50	305.0	69.00	310.0	79.57
315.0	89.88	320.0	99.58	325.0	108.37
330.0	115.96	335.0	122.12	340.0	126.67
345.0	129.45	350.0	130.39	355.0	129.45

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