

EXHIBIT 10.1
(Page 1 of 6)

PROPOSED DAYTIME FACILITIES

M-10 Broadcasting, Inc.
Pikesville, MD

The 1370 kHz daytime facilities proposed for WWLG in the attached application will operate at a power level of 50 kilowatts utilizing the identical six tower daytime directional pattern authorized for WWLG by construction permits BP-19990521AD and BMJP-20001023ACJ. Table 10.1.0 presents a complete description of the proposed daytime antenna system. Table 10.1.1 is a tabulation of the proposed WWLG daytime directional pattern. This pattern is shown in polar form in Figure 10.1.1.

No daytime service contours have been included as part of this exhibit. Complete information regarding these daytime service contours and related information will be supplied as an amendment to the attached application.

TABLE 10.1.0

WWLG PROPOSED DAYTIME
DIRECTIONAL ANTENNA SYSTEM

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Power:	50 kilowatts, directional		
Type of elements:	Vertical, uniform cross section, guyed and base insulated, series excited.		
Height above insulators:	96.0° electrical, 191.4' (58.4 m) physical		
Overall height:	#1 - 197' (60.0 m) AGL, 317' (96.6 m) MSL #2 - 197' (60.0 m) AGL, 317' (96.6 m) MSL #3 - 197' (60.0 m) AGL, 320' (97.5 m) MSL #4 - 197' (60.0 m) AGL, 322' (98.1 m) MSL #5 - 197' (60.0 m) AGL, 324' (98.8 m) MSL #6 - 197' (60.0 m) AGL, 326' (99.4 m) MSL		
Orientation and spacing:	<u>Tower</u>	<u>Bearing</u>	<u>Spacing</u>
	1	Reference	
	2	220.1°	89.4° (54.3 m)
	3	221.0°	167.9° (102.1 m)
	4	221.7°	245.4° (149.2 m)
	5	221.0°	335.8° (204.1 m)
	6	220.4°	422.9° (257.1 m)
Electrical parameters:	<u>Tower</u>	<u>Field Ratio</u>	<u>Phase</u>
	1	0.400	133.5°
	2	1.000	0.0°
	3	0.893	246.0°
	4	0.905	171.6°
	5	0.922	56.2°
	6	0.370	281.1°

TABLE 10.1.0 (cont'd)

Ground system:	120 equally spaced radials of #10 AWG copper wire, each 54.7 meters in length buried approximately 4 cm deep about each tower. These radials will be truncated where they intersect a transverse copper strap running between adjacent towers or the property boundary.
Predicted efficiency:	2670.26 mV/m at 1 km RMS (Standard)
Location:	North Latitude: 39° 26' 23" West Longitude: 76° 21' 20"

STANDARD PATTERN PARAMETERS

POWER: 50.000 kW

TOWER	ELECTRICAL HEIGHT (Degrees)	FIELD RATIO	SPACING (Degrees)	BEARING (Degrees)	PHASE (Degrees)	REF FLAG
1	96.0	0.400	0.0	0.0	133.5	
2	96.0	1.000	89.4	220.1	0.0	
3	96.0	0.893	167.9	221.0	246.0	
4	96.0	0.905	245.4	221.7	171.6	
5	96.0	0.922	335.8	221.0	56.2	
6	96.0	0.370	422.9	220.4	281.1	

ARRAY LOSS ANALYSIS

LOOP RESISTANCE (Ohms)	THEORETICAL RMS (mV/m @ 1 km)
0.0	2594.90
0.5	2568.05
1.0	2542.02
1.5	2516.76
2.0	2492.24
2.5	2468.43
3.0	2445.28
3.5	2422.77
4.0	2400.88

PAT. - MULT. (K): 1533.24 mV/m @ 1 km
 ARRAY RSS : 2974.44 mV/m @ 1 km
 ARRAY Q TERM : 74.3609 mV/m @ 1 km
 STANDARD RMS : 2670.26 mV/m @ 1 km
 RSS/RMS RATIO : 1.17

TABLE 10.1.1

WWLG PROPOSED 1370 kHz, 50 kW
 DAYTIME STANDARD
RADIATION PATTERN

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 Pikesville, MD

STANDARD PATTERN
HORIZONTAL RADIATION

TABLE 10.1.1 (Cont'd)

BEARING (Degrees)	RADIATION (mV/m @ 1 km)	BEARING (Degrees)	RADIATION (mV/m @ 1 km)
0.0	124.0	180.0	3712.2
5.0	125.9	185.0	4241.5
10.0	116.5	190.0	4702.2
15.0	99.5	195.0	5086.7
20.0	83.5	200.0	5393.5
25.0	78.5	205.0	5625.5
30.0	86.1	210.0	5788.0
35.0	97.2	215.0	5886.4
40.0	104.0	220.0	5925.1
45.0	103.4	225.0	5905.9
50.0	96.9	230.0	5828.3
55.0	89.4	235.0	5689.2
60.0	87.7	240.0	5484.1
65.0	94.0	245.0	5208.0
70.0	102.9	250.0	4857.7
75.0	107.2	255.0	4433.6
80.0	102.5	260.0	3941.8
85.0	90.3	265.0	3395.6
90.0	79.4	270.0	2815.8
95.0	80.7	275.0	2230.2
100.0	91.2	280.0	1670.3
105.0	95.9	285.0	1168.5
110.0	87.3	290.0	752.5
115.0	79.9	295.0	442.7
120.0	109.3	300.0	249.4
125.0	165.0	305.0	163.6
130.0	208.1	310.0	137.4
135.0	205.6	315.0	129.0
140.0	139.7	320.0	135.7
145.0	146.0	325.0	152.3
150.0	417.4	330.0	162.5
155.0	825.5	335.0	156.7
160.0	1332.5	340.0	136.7
165.0	1908.1	345.0	114.6
170.0	2518.6	350.0	106.0
175.0	3130.1	355.0	113.6

RADIATION MAXIMA

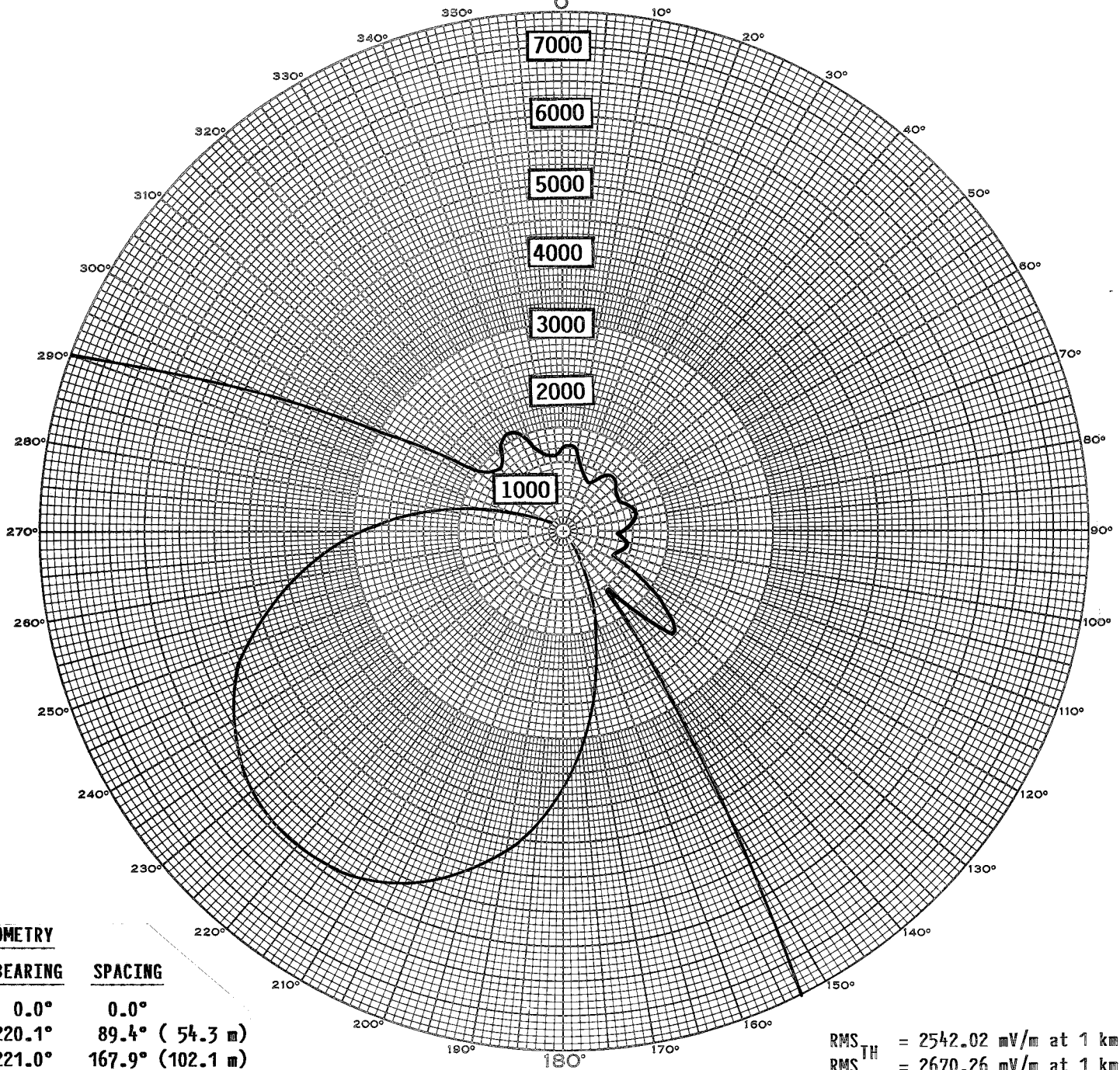
BEARING (Degrees)	RADIATION (mV/m @ 1 km)
3.4	126.5
42.1	104.7
75.0	107.2
104.4	96.0
132.4	214.4
220.8	5925.9
330.8	162.8

RADIATION MINIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
24.2	78.4
58.5	87.3
92.0	78.2
114.2	79.4
142.7	106.8
315.5	128.9
349.7	106.0

mV/m
at 1 km

NL - 39°26'23"
WL - 76°21'20"



ARRAY GEOMETRY

TOWER	BEARING	SPACING
1	0.0°	0.0°
2	220.1°	89.4° (54.3 m)
3	221.0°	167.9° (102.1 m)
4	221.7°	245.4° (149.2 m)
5	221.0°	335.8° (204.1 m)
6	220.4°	422.9° (257.1 m)

RMS_{TH} = 2542.02 mV/m at 1 km
RMS_{STD} = 2670.26 mV/m at 1 km
RSS_{TH} = 2974.44 mV/m at 1 km
Q_{TH} = 74.3609 mV/m at 1 km

#1 Δ 0.400/133.5°

#2 Δ 1.000/0.0°

#3 Δ 0.893/246.0°

#4 Δ 0.905/171.6° G = 96° = 58.4 m

#5 Δ 0.922/56.2°

#6 Δ 0.370/281.1°

FIG. 10.1.1

WWLG PROPOSED 1370 kHz, 50 kW
DAYTIME STANDARD
HORIZONTAL PLANE PATTERN

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