

The Positive Radio Network

WMSJ(New) Minor Change

REFERENCE CH# 207B - 89.3 MHz, Pwr= 45 kW, HAAT= 154.0 M, COR= 203.9 M
43 45 44.7 N. Average Protected F(50-50)= 51.77 km
70 19 29.8 W.

DISPLAY DATES
DATA 08-23-07
SEARCH 08-23-07

CH CITY	CALL	TYPE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
207B1 Freeport	WMSJ	LIC	_VN ME	335.3 155.3	0.01 BLED19990813KB	43 45 45.0 70 19 30.0	7.500 154	102.7 204	39.6 The Positive Radio Network	-145.90*<	-167.09*<
06-C Portland	WCSH	LIC	_D_N ME	289.1 108.8	32.87 BLCT19990713KG	43 51 30.0 70 42 41.0	100.000 610	763	123.5 Paci fic And Southern Compa	161.4R	-128.5M
205C0 Oakl and	WMDR-FM	CP	DEX ME	352.0 171.9	54.81 BPED20070223AAH	44 15 03.0 70 25 16.0	50.000 411	7.4 588	67.2 Light Of Li fe Ministries I	3.42	-17.12*<*
206B Concord	WEVO	LIC	_CN NH	239.3 58.4	117.98 BLED19830307AD	43 12 53.0 71 34 28.0	50.000 116	72.8 251	47.5 New Hampshire Public Radio	0.47	3.90
260B Auburn	WTHH	LIC	_CN ME	6.2 186.3	21.19 BLH19980825KD	43 57 07.0 70 17 46.0	28.500 196	72.8 288	47.5 Nassau Broadcasting Iii, L	19.5R	1.7M
204A Sanford	WSEW	APP	_V_ ME	225.4 45.1	54.05 BPED19940927MA	43 25 14.0 70 48 04.0	0.187 190	1.0 282	16.5 World Radio Educational Fo	7.54	32.66
207A Bangor	WHSN	CP	_CX ME	45.2 226.3	170.24 BPED20050407GYB	44 49 46.0 68 47 39.0	3.000 26	59.8 88	15.3 Husson College	57.71	17.98
207A Bangor	WHSN	LIC	_CN ME	45.3 226.4	169.76 BLED19820405AN	44 49 30.0 68 47 48.0	0.140 21	20.4 67	6.1 Husson College	96.65	26.69
208B Windsor	WVPR	LIC	_CN VT	258.8 77.4	175.51 BLED19910212KB	43 26 17.0 72 27 08.0	1.800 657	79.6 965	53.3 Vermont Public Radio	49.46	52.52
208B Windsor	WVPR	CP	_CX VT	258.8 77.4	175.52 BPED20040628AAF	43 26 15.0 72 27 08.0	1.700 694	79.2 975	53.1 Vermont Public Radio	49.88	52.81
209A Waterville	WMHB	LIC	_V_ ME	30.3 210.8	103.77 BLED20000627AFW	44 33 57.0 69 39 49.0	0.110 32	0.7 108	5.8 The Mayflower Hill Broadca	52.27	92.26
207A St-george-beauce	AL5646«	AL	_QU	353.8 173.5	261.35	46 06 00.0 70 41 38.0	6.000 100	116.9 402	42.3 87.60		57.08
205A Oakl and	WMDR-FM	LIC	_VX ME	24.0 204.4	115.94 BLED20051212AAL	44 42 48.0 69 43 39.0	0.600 175	1.6 264	21.9 Light Of Li fe Ministries I	63.04	88.26
207B1 North Dartmouth	WUMD	LIC	_EX MA	193.4 13.0	243.53 BLED20060608ADO	41 37 43.0 71 00 24.0	9.600 93	90.3 117	27.8 Uni versi ty Of Massachusett	99.95	78.18
207A Victoriaville	AL2230«	QC	_	334.4 153.3	281.75	46 02 14.0 71 54 06.0	6.000 100	109.4 301	35.4 116.64		85.38
207A Amherst	WAMH	LIC	_CN MA	228.4 46.9	230.97 BLED1567	42 21 51.0 72 25 24.0	0.150 219	49.0 402	15.0 Trustees Of Amherst Colleg	136.95	96.51
210B Blue Hill	WERU-FM	APP	_CX ME	61.1 242.3	157.70 BPED20070307AAZ	44 26 04.0 68 35 25.0	11.500 261	5.0 300	49.5 Salt Pond Communi ty Broadc	98.94	101.99
210B Blue Hill	WERU-FM	LIC	DCX ME	61.1 242.3	157.70 BMLED20030110ACZ	44 26 04.0 68 35 25.0	15.000 274	4.3 305	45.7 Salt Pond Communi ty Broadc	99.68	105.84
261A Plymouth	WPNH-FM	LIC	_C_ NH	269.2 88.2	118.10 BLH20000515ABT	43 44 21.0 71 47 27.0	0.410 376	72.8 722	47.5 Northeast Communi cations C	14.5R	103.6M
209B Boston	WGBH	LIC	_CY MA	200.7 20.2	183.91 BLED19800609AH	42 12 42.0 71 06 51.0	100.000 198	8.8 242	66.4 Wgbh Educational Foundatio	122.35	111.51
205B1 Boston	WERS	LIC	_CN MA	201.0 20.5	167.63 BLED19900706KB	42 21 08.0 71 03 25.0	4.000 186	3.1 203	34.4 Emerson College	111.87	127.21

Terrain database is NGDC 30 SEC

ERP and HAAT are on direct line to and from reference station.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

***affixed to 'IN' or 'OUT' values = site inside protected contour.

"«" = Station meets FCC minimum distance spacing for its class.

"<" = Contour Overlap

Reference station has protected zone issue: Canada

** Special operating condition #11 of construction permit BPED-20070223AAH allows WMSJ to make modifications

to its facility without regard to outgoing overlap with WMDR-FM. See page 17-20 of this exhibit.

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "*** IN ***" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "*** OUT ***" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

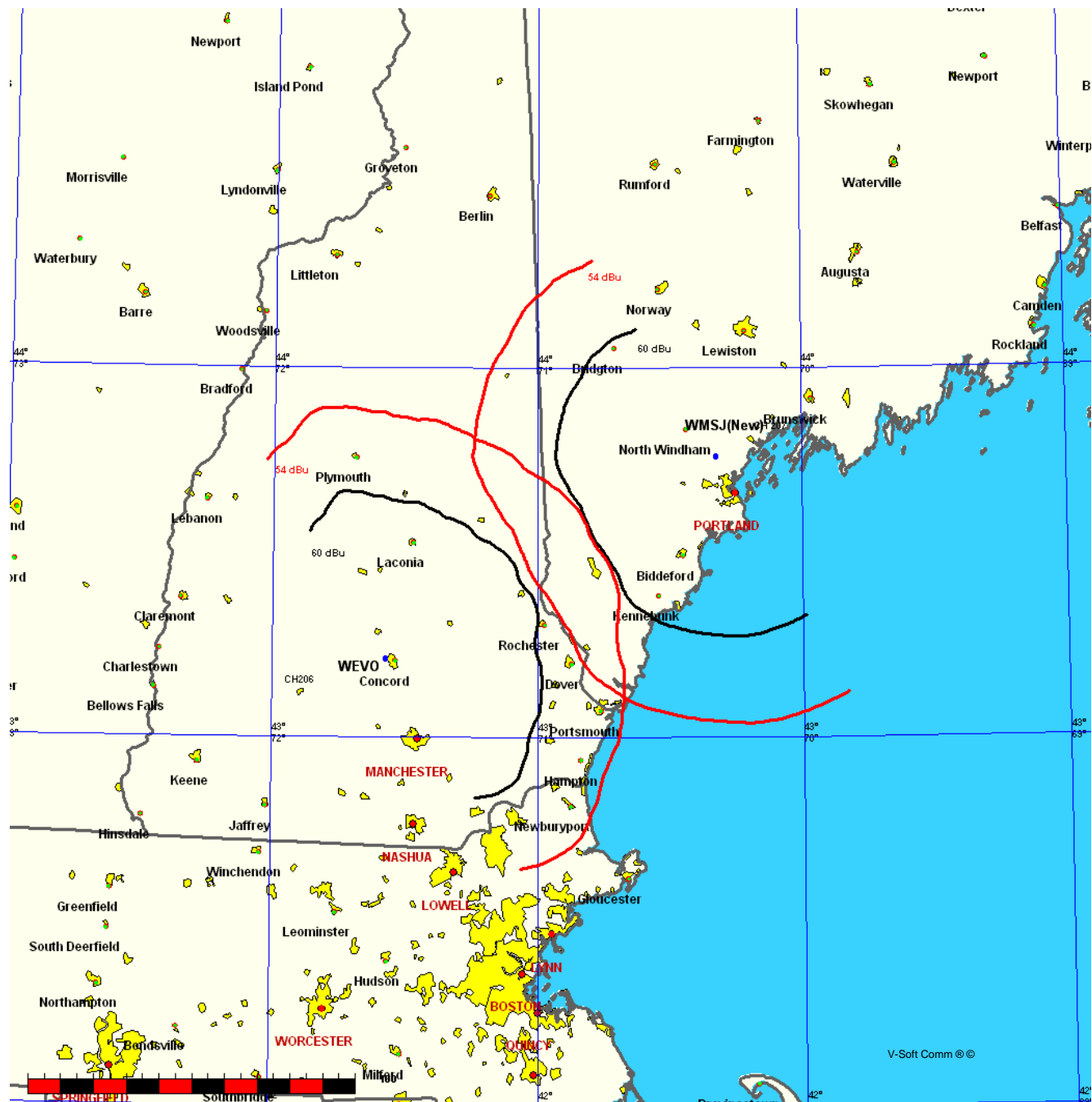
For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N".

FMCommander Single Allocation Study
08-23-2007

WMSJ(New) CH 207 B
45.0 kW 204 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu

WEVO CH 206 B BLED19830307AD
50.0 kW, 251 M COR
Prot. = 60 dBu
Intef. = 54 dBu



WMSJ(New)

Channel = 207B

Max ERP = 45 kW

RCAMSL = 203.95 M

N. Lat. 43 45 44.7

W. Lng. 70 19 29.8

Protected

60 dBu

WEVO

BLED19830307AD

Channel = 206B

Max ERP = 50 kW

RCAMSL = 251 M

N. Lat. 43 12 53.0

W. Lng. 71 34 28.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
179.0	045.0000	0174.3	054.1	085.8	050.0000	0106.1	102.7	45.42
180.0	045.0000	0173.3	054.0	085.7	050.0000	0106.1	101.7	45.63
181.0	045.0000	0172.7	054.0	085.6	050.0000	0106.0	100.8	45.84
182.0	045.0000	0172.1	053.9	085.6	050.0000	0106.0	099.8	46.06
183.0	045.0000	0171.6	053.8	085.5	050.0000	0106.0	098.9	46.27
184.0	045.0000	0170.9	053.8	085.4	050.0000	0106.0	098.0	46.49
185.0	045.0000	0170.2	053.7	085.2	050.0000	0105.9	097.1	46.72
186.0	045.0000	0169.4	053.6	085.1	050.0000	0105.9	096.2	46.94
187.0	045.0000	0168.8	053.5	084.9	050.0000	0105.9	095.3	47.17
188.0	045.0000	0168.2	053.5	084.8	050.0000	0105.9	094.4	47.40
189.0	045.0000	0167.6	053.4	084.6	050.0000	0105.9	093.5	47.64
190.0	045.0000	0167.0	053.3	084.4	050.0000	0106.0	092.6	47.87
191.0	045.0000	0166.6	053.3	084.3	050.0000	0106.1	091.7	48.11
192.0	045.0000	0166.3	053.3	084.1	050.0000	0106.3	090.8	48.36
193.0	045.0000	0166.1	053.2	083.9	050.0000	0106.4	089.9	48.60
194.0	045.0000	0166.0	053.2	083.7	050.0000	0106.6	089.1	48.85
195.0	045.0000	0165.8	053.2	083.5	050.0000	0106.8	088.2	49.10
196.0	045.0000	0165.5	053.2	083.2	050.0000	0107.1	087.3	49.34
197.0	045.0000	0165.1	053.1	083.0	050.0000	0107.4	086.5	49.59
198.0	045.0000	0164.6	053.1	082.7	050.0000	0107.7	085.7	49.84
199.0	045.0000	0164.0	053.0	082.4	050.0000	0108.2	084.9	50.09
200.0	045.0000	0163.3	052.9	082.0	050.0000	0108.8	084.1	50.34
201.0	044.1045	0162.6	052.7	081.6	050.0000	0109.6	083.4	50.57
202.0	043.2180	0162.2	052.4	081.1	050.0000	0110.5	082.7	50.81
203.0	042.3405	0162.1	052.2	080.7	050.0000	0111.3	082.0	51.04
204.0	041.4720	0162.4	052.1	080.2	050.0000	0112.1	081.3	51.28
205.0	040.6125	0162.9	052.0	079.8	050.0000	0112.9	080.7	51.51
206.0	039.7620	0163.7	051.9	079.4	050.0000	0113.7	080.0	51.74
207.0	038.9205	0164.5	051.8	078.9	050.0000	0114.7	079.3	51.98
208.0	038.0880	0165.3	051.7	078.5	050.0000	0115.7	078.7	52.22
209.0	037.2645	0165.9	051.5	078.0	050.0000	0116.7	078.0	52.45
210.0	036.4500	0166.3	051.4	077.5	050.0000	0117.8	077.5	52.67
211.0	035.1974	0166.3	051.1	076.8	050.0000	0119.0	077.0	52.86
212.0	033.9666	0165.8	050.7	076.2	050.0000	0120.1	076.6	53.03
213.0	032.7578	0165.0	050.3	075.5	050.0000	0121.3	076.3	53.18
214.0	031.5708	0163.8	049.8	074.8	050.0000	0122.4	076.1	53.30
215.0	030.4058	0162.3	049.3	074.0	050.0000	0123.2	075.9	53.39

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
216.0	029.2626	0160.6	048.8	073.2	050.0000	0123.7	075.8	53.45
217.0	028.1414	0158.8	048.2	072.5	050.0000	0123.8	075.7	53.47
218.0	027.0421	0157.4	047.7	071.7	050.0000	0123.5	075.7	53.47
219.0	025.9647	0156.4	047.2	071.0	050.0000	0123.1	075.7	53.46
220.0	024.9091	0155.5	046.7	070.3	050.0000	0122.9	075.6	53.46
221.0	024.5754	0154.7	046.5	069.6	050.0000	0123.0	075.4	53.53
222.0	024.2440	0153.9	046.2	069.0	050.0000	0123.3	075.2	53.60
223.0	023.9148	0153.1	046.0	068.4	050.0000	0123.5	075.1	53.66
224.0	023.5879	0152.5	045.8	067.8	050.0000	0123.4	074.9	53.71
225.0	023.2632	0152.0	045.6	067.1	050.0000	0123.0	074.7	53.73
226.0	022.9408	0151.4	045.4	066.5	050.0000	0122.3	074.6	53.73
227.0	022.6206	0150.9	045.2	065.9	050.0000	0121.3	074.5	53.71
228.0	022.3027	0150.8	045.1	065.3	050.0000	0120.1	074.4	53.68
229.0	021.9870	0150.9	045.0	064.7	050.0000	0118.9	074.3	53.66
230.0	021.6736	0151.1	044.9	064.1	050.0000	0117.8	074.2	53.64
231.0	021.5987	0151.0	044.9	063.5	050.0000	0116.9	074.0	53.64
232.0	021.5240	0151.0	044.8	062.9	050.0000	0116.0	073.9	53.64
233.0	021.4493	0151.4	044.8	062.3	050.0000	0115.3	073.7	53.65
234.0	021.3748	0152.1	044.9	061.7	050.0000	0114.7	073.5	53.68
235.0	021.3005	0152.8	045.0	061.1	050.0000	0114.3	073.4	53.70
236.0	021.2262	0153.1	045.0	060.5	050.0000	0114.3	073.3	53.73
237.0	021.1521	0153.2	044.9	059.9	050.0000	0114.8	073.2	53.77
238.0	021.0781	0152.8	044.9	059.3	050.0000	0115.5	073.3	53.79
239.0	021.0043	0152.2	044.8	058.6	050.0000	0116.4	073.4	53.81
240.0	020.9306	0151.3	044.6	058.0	050.0000	0117.4	073.5	53.81
241.0	020.9551	0150.3	044.5	057.4	050.0000	0118.4	073.7	53.83
242.0	020.9797	0149.5	044.4	056.8	050.0000	0119.5	073.8	53.83
243.0	021.0043	0149.0	044.4	056.2	050.0000	0120.4	073.9	53.84
244.0	021.0289	0148.6	044.3	055.6	050.0000	0121.3	074.1	53.85
245.0	021.0535	0148.3	044.3	055.0	050.0000	0122.0	074.2	53.84
246.0	021.0781	0147.8	044.2	054.5	050.0000	0122.5	074.4	53.81
247.0	021.1028	0147.5	044.2	053.9	050.0000	0122.8	074.6	53.77
248.0	021.1275	0147.3	044.2	053.3	050.0000	0123.0	074.8	53.72
249.0	021.1521	0147.1	044.2	052.7	050.0000	0122.9	075.0	53.65
250.0	021.1768	0146.9	044.1	052.2	050.0000	0122.8	075.2	53.58
251.0	022.0752	0146.5	044.5	051.6	050.0000	0122.6	075.2	53.58
252.0	022.9923	0146.2	044.8	050.9	050.0000	0122.4	075.1	53.58
253.0	023.9280	0145.8	045.1	050.3	050.0000	0122.3	075.2	53.57
254.0	024.8823	0145.2	045.3	049.6	050.0000	0122.1	075.2	53.55
255.0	025.8554	0144.7	045.6	049.0	050.0000	0121.9	075.3	53.50
256.0	026.8471	0143.8	045.8	048.4	050.0000	0121.4	075.5	53.44
257.0	027.8574	0143.0	046.0	047.8	050.0000	0120.8	075.6	53.35
258.0	028.8865	0142.2	046.2	047.2	050.0000	0119.9	075.9	53.24
259.0	029.9341	0141.8	046.5	046.6	050.0000	0119.0	076.1	53.14
260.0	031.0005	0141.7	046.8	045.9	050.0000	0118.0	076.3	53.03
261.0	032.2834	0141.7	047.1	045.3	050.0000	0117.0	076.4	52.94
262.0	033.5923	0141.3	047.4	044.6	050.0000	0116.3	076.7	52.83
263.0	034.9272	0140.5	047.7	044.0	050.0000	0115.7	077.0	52.71
264.0	036.2882	0139.7	047.9	043.4	050.0000	0115.3	077.3	52.59
265.0	037.6751	0138.9	048.1	042.9	050.0000	0114.9	077.7	52.46
266.0	039.0881	0138.2	048.4	042.3	050.0000	0114.4	078.1	52.32

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
267.0	040.5270	0137.7	048.6	041.7	050.0000	0113.7	078.5	52.17
268.0	041.9920	0137.2	048.9	041.1	050.0000	0112.7	078.9	52.00
269.0	043.4830	0136.0	049.0	040.6	050.0000	0111.7	079.5	51.79
270.0	045.0000	0134.8	049.2	040.2	050.0000	0110.5	080.0	51.58
271.0	045.0000	0133.7	049.0	039.8	050.0000	0109.8	080.8	51.33
272.0	045.0000	0132.6	048.8	039.6	050.0000	0109.2	081.5	51.09
273.0	045.0000	0132.3	048.8	039.2	050.0000	0108.6	082.2	50.86
274.0	045.0000	0132.3	048.8	038.9	050.0000	0108.1	082.9	50.64
275.0	045.0000	0132.2	048.8	038.5	050.0000	0107.8	083.6	50.43
276.0	045.0000	0132.2	048.8	038.2	050.0000	0107.6	084.3	50.22
277.0	045.0000	0132.0	048.7	037.9	050.0000	0107.5	085.1	50.00
278.0	045.0000	0131.6	048.7	037.7	050.0000	0107.4	085.8	49.79
279.0	045.0000	0131.0	048.6	037.4	050.0000	0107.5	086.6	49.57
280.0	045.0000	0130.5	048.5	037.2	050.0000	0107.6	087.4	49.36
281.0	045.0000	0130.3	048.5	037.0	050.0000	0107.7	088.1	49.16
282.0	045.0000	0129.9	048.4	036.8	050.0000	0107.9	088.9	48.95
283.0	045.0000	0129.5	048.4	036.6	050.0000	0108.0	089.7	48.74
284.0	045.0000	0129.5	048.4	036.4	050.0000	0108.3	090.5	48.54
285.0	045.0000	0129.7	048.4	036.1	050.0000	0108.5	091.2	48.34
286.0	045.0000	0129.8	048.4	035.9	050.0000	0108.8	092.0	48.14
287.0	045.0000	0130.0	048.5	035.7	050.0000	0109.1	092.8	47.95
288.0	045.0000	0130.2	048.5	035.6	050.0000	0109.3	093.6	47.75
289.0	045.0000	0130.0	048.5	035.4	050.0000	0109.6	094.4	47.54
290.0	045.0000	0129.5	048.4	035.3	050.0000	0109.7	095.2	47.34
291.0	045.0000	0128.9	048.3	035.2	050.0000	0109.8	096.1	47.13
292.0	045.0000	0128.4	048.2	035.1	050.0000	0110.0	096.9	46.93
293.0	045.0000	0127.6	048.1	035.1	050.0000	0110.1	097.7	46.72
294.0	045.0000	0126.6	048.0	035.1	050.0000	0110.1	098.6	46.51
295.0	045.0000	0125.5	047.8	035.1	050.0000	0110.1	099.4	46.31
296.0	045.0000	0124.3	047.6	035.1	050.0000	0110.1	100.3	46.11
297.0	045.0000	0123.5	047.5	035.0	050.0000	0110.1	101.1	45.91
298.0	045.0000	0123.2	047.5	035.0	050.0000	0110.2	101.9	45.73
299.0	045.0000	0123.3	047.5	034.9	050.0000	0110.3	102.8	45.55

WEVO BLED19830307AD
 Channel = 206B
 Max ERP = 50 kW
 RCAMSL = 251 M
 N. Lat. 43 12 53.0
 W. Lng. 71 34 28.0
 Protected
 60 dBu

WMSJ(New)
 Channel = 207B
 Max ERP = 45 kW
 RCAMSL = 203.95 M
 N. Lat. 43 45 44.7
 W. Lng. 70 19 29.8
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
358.0	050.0000	0125.4	048.7	263.7	035.8222	0140.0	103.1	45.08
359.0	050.0000	0125.1	048.7	263.6	035.7307	0140.0	102.3	45.28
000.0	050.0000	0124.5	048.6	263.5	035.5816	0140.1	101.5	45.47
001.0	050.0000	0121.7	048.2	263.2	035.1886	0140.3	100.7	45.62
002.0	050.0000	0119.0	047.8	262.9	034.7826	0140.6	099.9	45.77
003.0	050.0000	0118.0	047.7	262.7	034.5544	0140.7	099.1	45.95
004.0	050.0000	0117.7	047.6	262.6	034.3876	0140.8	098.3	46.14
005.0	050.0000	0117.1	047.6	262.4	034.1792	0140.9	097.5	46.33
006.0	050.0000	0116.0	047.4	262.2	033.8906	0141.1	096.7	46.50
007.0	050.0000	0115.2	047.3	262.0	033.6269	0141.2	096.0	46.68
008.0	050.0000	0115.4	047.3	261.9	033.4704	0141.3	095.2	46.88
009.0	050.0000	0116.9	047.5	261.9	033.4390	0141.4	094.3	47.11
010.0	050.0000	0118.2	047.7	261.8	033.3780	0141.4	093.5	47.34
011.0	050.0000	0118.9	047.8	261.7	033.2287	0141.5	092.7	47.55
012.0	050.0000	0119.1	047.9	261.6	033.0212	0141.6	091.9	47.75
013.0	050.0000	0118.8	047.8	261.3	032.7242	0141.6	091.1	47.93
014.0	050.0000	0118.1	047.7	261.1	032.3786	0141.7	090.4	48.09
015.0	050.0000	0116.8	047.5	260.7	031.9488	0141.7	089.7	48.23
016.0	050.0000	0115.4	047.3	260.4	031.4993	0141.7	089.0	48.36
017.0	050.0000	0114.7	047.2	260.1	031.1044	0141.7	088.4	48.50
018.0	050.0000	0114.2	047.1	259.8	030.7671	0141.7	087.7	48.66
019.0	050.0000	0113.8	047.0	259.5	030.4432	0141.7	087.0	48.81
020.0	050.0000	0113.2	046.9	259.1	030.0895	0141.7	086.3	48.95
021.0	050.0000	0112.1	046.8	258.8	029.6821	0141.8	085.7	49.07
022.0	050.0000	0110.6	046.5	258.3	029.2155	0142.0	085.2	49.17
023.0	050.0000	0109.4	046.3	257.9	028.7814	0142.3	084.6	49.29
024.0	050.0000	0109.5	046.4	257.6	028.4508	0142.6	084.0	49.44
025.0	050.0000	0110.4	046.5	257.3	028.1805	0142.8	083.2	49.63
026.0	050.0000	0111.2	046.6	257.0	027.8917	0143.0	082.5	49.81
027.0	050.0000	0111.6	046.7	256.7	027.5511	0143.3	081.9	49.97
028.0	050.0000	0111.8	046.7	256.3	027.1853	0143.6	081.2	50.11
029.0	050.0000	0112.3	046.8	256.0	026.8272	0143.8	080.6	50.26
030.0	050.0000	0112.8	046.9	255.6	026.4570	0144.2	079.9	50.41
031.0	050.0000	0113.1	046.9	255.2	026.0618	0144.5	079.3	50.54

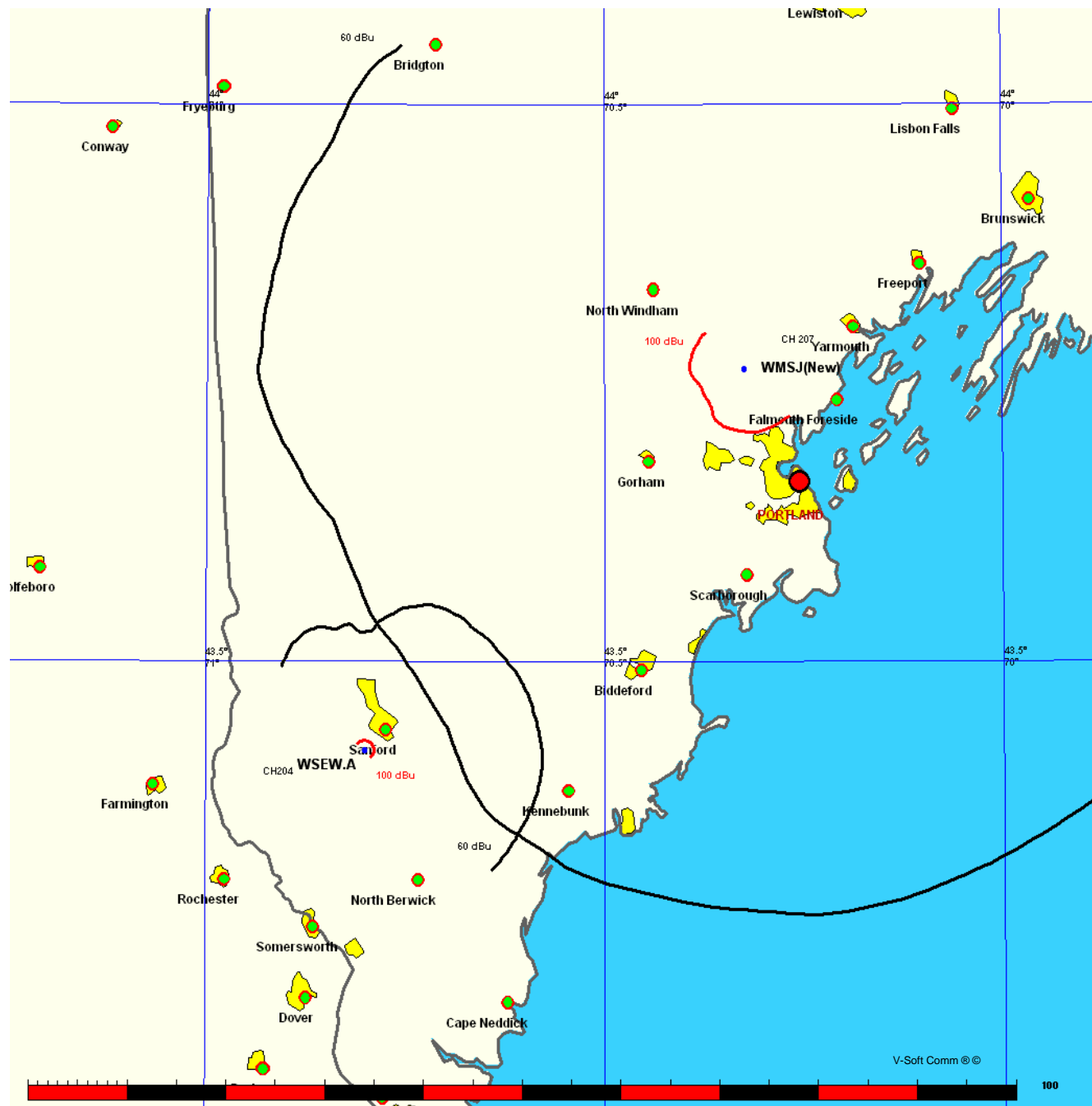
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
032.0	050.0000	0113.2	046.9	254.8	025.6406	0144.8	078.8	50.66
033.0	050.0000	0112.9	046.9	254.3	025.1816	0145.1	078.3	50.75
034.0	050.0000	0111.9	046.7	253.8	024.6613	0145.4	077.9	50.79
035.0	050.0000	0110.2	046.5	253.2	024.0964	0145.7	077.6	50.80
036.0	050.0000	0108.7	046.2	252.6	023.5398	0146.0	077.3	50.80
037.0	050.0000	0107.7	046.1	252.0	023.0171	0146.2	076.9	50.82
038.0	050.0000	0107.5	046.0	251.5	022.5409	0146.4	076.5	50.86
039.0	050.0000	0108.3	046.2	251.1	022.1213	0146.5	076.0	50.95
040.0	050.0000	0110.1	046.5	250.6	021.7510	0146.7	075.3	51.10
041.0	050.0000	0112.4	046.8	250.2	021.3875	0146.8	074.6	51.26
042.0	050.0000	0114.1	047.1	249.8	021.1712	0146.9	074.0	51.41
043.0	050.0000	0115.0	047.2	249.2	021.1582	0147.0	073.5	51.57
044.0	050.0000	0115.7	047.3	248.7	021.1446	0147.1	073.0	51.71
045.0	050.0000	0116.7	047.5	248.1	021.1310	0147.3	072.6	51.87
046.0	050.0000	0118.1	047.7	247.6	021.1174	0147.4	072.1	52.03
047.0	050.0000	0119.7	047.9	247.0	021.1035	0147.5	071.5	52.19
048.0	050.0000	0121.0	048.1	246.4	021.0890	0147.7	071.1	52.34
049.0	050.0000	0121.9	048.3	245.8	021.0737	0147.9	070.7	52.47
050.0	050.0000	0122.2	048.3	245.2	021.0577	0148.2	070.5	52.57
051.0	050.0000	0122.5	048.3	244.5	021.0414	0148.5	070.2	52.65
052.0	050.0000	0122.7	048.4	243.8	021.0250	0148.7	070.0	52.73
053.0	050.0000	0123.0	048.4	243.2	021.0083	0148.9	069.8	52.80
054.0	050.0000	0122.8	048.4	242.5	020.9913	0149.2	069.7	52.85
055.0	050.0000	0122.0	048.3	241.8	020.9741	0149.7	069.7	52.86
056.0	050.0000	0120.8	048.1	241.1	020.9569	0150.2	069.8	52.86
057.0	050.0000	0119.2	047.9	240.4	020.9397	0150.9	070.0	52.83
058.0	050.0000	0117.4	047.6	239.7	020.9538	0151.6	070.2	52.79
059.0	050.0000	0115.8	047.4	239.0	021.0037	0152.2	070.5	52.75
060.0	050.0000	0114.6	047.2	238.3	021.0530	0152.6	070.7	52.72
061.0	050.0000	0114.3	047.1	237.7	021.1020	0153.0	070.8	52.72
062.0	050.0000	0115.0	047.2	237.0	021.1518	0153.2	070.7	52.75
063.0	050.0000	0116.2	047.4	236.3	021.2023	0153.2	070.6	52.79
064.0	050.0000	0117.6	047.6	235.6	021.2537	0153.0	070.5	52.83
065.0	050.0000	0119.5	047.9	234.9	021.3061	0152.7	070.4	52.86
066.0	050.0000	0121.4	048.2	234.2	021.3594	0152.3	070.3	52.89
067.0	050.0000	0122.9	048.4	233.5	021.4121	0151.7	070.3	52.88
068.0	050.0000	0123.5	048.5	232.8	021.4631	0151.3	070.4	52.82
069.0	050.0000	0123.3	048.5	232.2	021.5118	0151.0	070.7	52.73
070.0	050.0000	0122.9	048.4	231.5	021.5593	0151.0	071.0	52.64
071.0	050.0000	0123.1	048.4	230.9	021.6077	0151.0	071.2	52.57
072.0	050.0000	0123.7	048.5	230.2	021.6570	0151.1	071.5	52.51
073.0	050.0000	0123.7	048.5	229.6	021.7997	0151.0	071.8	52.43
074.0	050.0000	0123.2	048.4	229.0	021.9834	0150.9	072.2	52.32
075.0	050.0000	0122.0	048.3	228.5	022.1537	0150.8	072.7	52.19
076.0	050.0000	0120.4	048.0	228.0	022.3117	0150.8	073.3	52.02
077.0	050.0000	0118.7	047.8	227.5	022.4604	0150.8	074.0	51.85
078.0	050.0000	0116.7	047.5	227.1	022.5982	0150.9	074.7	51.67
079.0	050.0000	0114.5	047.2	226.7	022.7256	0151.1	075.4	51.48
080.0	050.0000	0112.5	046.8	226.3	022.8494	0151.3	076.1	51.29
081.0	050.0000	0110.7	046.6	225.9	022.9701	0151.5	076.8	51.10
082.0	050.0000	0108.8	046.2	225.6	023.0822	0151.7	077.5	50.90

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
083.0	050.0000	0107.3	046.0	225.2	023.1985	0151.9	078.2	50.72
084.0	050.0000	0106.3	045.8	224.8	023.3209	0152.1	078.9	50.55
085.0	050.0000	0105.9	045.8	224.4	023.4519	0152.3	079.4	50.41
086.0	050.0000	0106.2	045.8	224.0	023.6009	0152.5	079.9	50.30
087.0	050.0000	0106.9	045.9	223.5	023.7548	0152.8	080.4	50.19
088.0	050.0000	0107.6	046.0	223.0	023.9051	0153.1	080.9	50.09
089.0	050.0000	0108.1	046.1	222.6	024.0489	0153.4	081.4	49.97
090.0	050.0000	0110.4	046.5	222.0	024.2394	0153.9	081.7	49.92
091.0	050.0000	0112.8	046.9	221.4	024.4281	0154.4	082.1	49.86
092.0	050.0000	0115.1	047.2	220.9	024.6133	0154.8	082.5	49.79
093.0	050.0000	0117.2	047.6	220.4	024.7872	0155.2	083.0	49.69
094.0	050.0000	0118.3	047.7	219.9	024.9821	0155.6	083.5	49.57
095.0	050.0000	0119.0	047.8	219.6	025.3801	0155.9	084.2	49.46
096.0	050.0000	0119.7	047.9	219.2	025.7702	0156.2	084.8	49.34
097.0	050.0000	0120.6	048.1	218.8	026.1727	0156.5	085.4	49.23
098.0	050.0000	0121.6	048.2	218.4	026.5682	0156.9	086.1	49.12
099.0	050.0000	0122.7	048.4	218.1	026.9570	0157.3	086.8	49.00
100.0	050.0000	0123.7	048.5	217.7	027.3333	0157.8	087.4	48.87
101.0	050.0000	0124.4	048.6	217.4	027.6688	0158.2	088.2	48.73
102.0	050.0000	0125.1	048.7	217.1	027.9926	0158.6	088.9	48.59
103.0	050.0000	0125.7	048.8	216.9	028.2941	0159.1	089.6	48.43
104.0	050.0000	0126.6	048.9	216.6	028.6107	0159.5	090.4	48.28
105.0	050.0000	0128.0	049.1	216.3	028.9618	0160.1	091.1	48.14
106.0	050.0000	0129.0	049.3	216.0	029.2644	0160.6	091.8	47.99
107.0	050.0000	0130.4	049.5	215.7	029.5972	0161.1	092.6	47.84
108.0	050.0000	0132.1	049.7	215.4	029.9379	0161.6	093.4	47.69
109.0	050.0000	0133.3	049.9	215.2	030.2267	0162.1	094.1	47.53
110.0	050.0000	0133.9	050.0	215.0	030.4388	0162.4	095.0	47.33
111.0	050.0000	0133.3	049.9	214.9	030.5283	0162.5	095.8	47.11
112.0	050.0000	0132.3	049.7	214.9	030.5579	0162.5	096.7	46.87
113.0	050.0000	0131.5	049.6	214.8	030.6005	0162.6	097.6	46.63
114.0	050.0000	0131.6	049.6	214.7	030.7192	0162.7	098.4	46.43
115.0	050.0000	0132.1	049.7	214.6	030.8630	0162.9	099.3	46.23
116.0	050.0000	0132.3	049.7	214.5	030.9699	0163.1	100.1	46.02
117.0	050.0000	0132.5	049.8	214.4	031.0600	0163.2	101.0	45.82
118.0	050.0000	0133.1	049.9	214.3	031.1829	0163.4	101.9	45.62

FMCommander Single Allocation Study
08-23-2007

WMSJ(New) CH 207 B
45.0 kW 204 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

WSEW-A CH 204 A BPED19940927MA
0.187 kW, 282 M COR
Prot. = 60 dBu
Intef. = 100 dBu



WMSJ(New)

Channel = 207B

Max ERP = 45 kW

RCAMSL = 203.95 M

N. Lat. 43 45 44.7

W. Lng. 70 19 29.8

Protected

60 dBu

WSEW-A

BPED19940927MA

Channel = 204A

Max ERP = 0.187 kW

RCAMSL = 282 M

N. Lat. 43 25 14.0

W. Lng. 70 48 04.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
165.0	045.0000	0187.1	055.3	106.0	000.1870	0217.9	055.2	40.61
166.0	045.0000	0186.9	055.3	106.6	000.1870	0217.7	054.3	40.95
167.0	045.0000	0186.7	055.2	107.1	000.1870	0217.4	053.4	41.27
168.0	045.0000	0186.3	055.2	107.6	000.1870	0217.1	052.6	41.60
169.0	045.0000	0185.9	055.2	108.1	000.1870	0216.9	051.7	41.93
170.0	045.0000	0185.4	055.1	108.6	000.1870	0216.6	050.9	42.26
171.0	045.0000	0184.9	055.1	109.0	000.1870	0216.4	050.0	42.60
172.0	045.0000	0184.0	055.0	109.5	000.1870	0216.2	049.1	42.94
173.0	045.0000	0182.6	054.9	109.9	000.1870	0216.0	048.2	43.29
174.0	045.0000	0180.9	054.7	110.2	000.1870	0215.9	047.3	43.66
175.0	045.0000	0179.0	054.6	110.6	000.1870	0215.7	046.4	44.03
176.0	045.0000	0177.7	054.4	111.0	000.1870	0215.5	045.4	44.40
177.0	045.0000	0176.3	054.3	111.3	000.1870	0215.4	044.5	44.79
178.0	045.0000	0175.3	054.2	111.7	000.1870	0215.2	043.6	45.17
179.0	045.0000	0174.3	054.1	112.1	000.1870	0215.0	042.7	45.56
180.0	045.0000	0173.3	054.0	112.5	000.1870	0214.9	041.8	45.96
181.0	045.0000	0172.7	054.0	112.9	000.1870	0214.7	040.9	46.35
182.0	045.0000	0172.1	053.9	113.3	000.1870	0214.5	040.0	46.76
183.0	045.0000	0171.6	053.8	113.7	000.1870	0214.3	039.1	47.17
184.0	045.0000	0170.9	053.8	114.1	000.1870	0214.1	038.2	47.59
185.0	045.0000	0170.2	053.7	114.5	000.1870	0213.9	037.3	48.01
186.0	045.0000	0169.4	053.6	114.9	000.1870	0213.7	036.4	48.45
187.0	045.0000	0168.8	053.5	115.2	000.1870	0213.5	035.5	48.89
188.0	045.0000	0168.2	053.5	115.6	000.1870	0213.2	034.6	49.33
189.0	045.0000	0167.6	053.4	116.0	000.1870	0213.0	033.7	49.78
190.0	045.0000	0167.0	053.3	116.3	000.1870	0212.7	032.8	50.23
191.0	045.0000	0166.6	053.3	116.7	000.1870	0212.5	031.8	50.70
192.0	045.0000	0166.3	053.3	117.1	000.1870	0212.3	030.9	51.18
193.0	045.0000	0166.1	053.2	117.5	000.1870	0212.1	030.0	51.69
194.0	045.0000	0166.0	053.2	118.0	000.1870	0211.9	029.1	52.23
195.0	045.0000	0165.8	053.2	118.4	000.1870	0211.9	028.2	52.79
196.0	045.0000	0165.5	053.2	118.7	000.1870	0211.8	027.3	53.39
197.0	045.0000	0165.1	053.1	119.1	000.1870	0211.8	026.4	54.00
198.0	045.0000	0164.6	053.1	119.4	000.1870	0211.8	025.5	54.64
199.0	045.0000	0164.0	053.0	119.6	000.1870	0211.8	024.5	55.30
200.0	045.0000	0163.3	052.9	119.8	000.1870	0211.8	023.6	55.98
201.0	044.1045	0162.6	052.7	119.6	000.1870	0211.8	022.7	56.69

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
202.0	043.2180	0162.2	052.4	119.3	000.1870	0211.8	021.7	57.42
203.0	042.3405	0162.1	052.2	119.1	000.1870	0211.8	020.8	58.15
204.0	041.4720	0162.4	052.1	118.9	000.1870	0211.8	019.9	58.89
205.0	040.6125	0162.9	052.0	118.7	000.1870	0211.8	019.0	59.63
206.0	039.7620	0163.7	051.9	118.6	000.1870	0211.8	018.1	60.38
207.0	038.9205	0164.5	051.8	118.4	000.1870	0211.9	017.1	61.13
208.0	038.0880	0165.3	051.7	118.1	000.1870	0211.9	016.2	61.89
209.0	037.2645	0165.9	051.5	117.6	000.1870	0212.1	015.3	62.66
210.0	036.4500	0166.3	051.4	116.9	000.1870	0212.4	014.4	63.33
211.0	035.1974	0166.3	051.1	115.3	000.1870	0213.4	013.6	64.47
212.0	033.9666	0165.8	050.7	113.2	000.1870	0214.5	012.7	65.67
213.0	032.7578	0165.0	050.3	110.6	000.1870	0215.7	011.9	66.90
214.0	031.5708	0163.8	049.8	107.3	000.1870	0217.3	011.2	68.11
215.0	030.4058	0162.3	049.3	103.2	000.1870	0219.1	010.6	69.26
216.0	029.2626	0160.6	048.8	098.4	000.1870	0220.3	010.0	70.25
217.0	028.1414	0158.8	048.2	093.0	000.1870	0221.1	009.6	71.06
218.0	027.0421	0157.4	047.7	087.3	000.1870	0216.1	009.2	71.48
219.0	025.9647	0156.4	047.2	081.4	000.1870	0211.6	009.0	71.76
220.0	024.9091	0155.5	046.7	075.3	000.1870	0208.1	008.8	71.89
221.0	024.5754	0154.7	046.5	070.0	000.1870	0205.2	008.6	72.24
222.0	024.2440	0153.9	046.2	064.5	000.1870	0201.3	008.4	72.37
223.0	023.9148	0153.1	046.0	058.8	000.1870	0195.1	008.4	72.21
224.0	023.5879	0152.5	045.8	053.1	000.1870	0190.3	008.4	71.96
225.0	023.2632	0152.0	045.6	047.6	000.1870	0188.4	008.5	71.68
226.0	022.9408	0151.4	045.4	042.3	000.1870	0182.2	008.7	71.03
227.0	022.6206	0150.9	045.2	037.3	000.1870	0185.2	009.0	70.65
228.0	022.3027	0150.8	045.1	032.7	000.1870	0181.5	009.3	69.91
229.0	021.9870	0150.9	045.0	028.3	000.1870	0177.6	009.6	69.10
230.0	021.6736	0151.1	044.9	024.4	000.1870	0172.4	010.0	68.12
231.0	021.5987	0151.0	044.9	020.6	000.1870	0161.8	010.4	66.82
232.0	021.5240	0151.0	044.8	017.1	000.1870	0153.3	010.9	65.54
233.0	021.4493	0151.4	044.8	013.8	000.1870	0143.8	011.3	64.18
234.0	021.3748	0152.1	044.9	010.7	000.1870	0131.1	011.8	62.59
235.0	021.3005	0152.8	045.0	007.9	000.1870	0122.3	012.3	61.22
236.0	021.2262	0153.1	045.0	005.5	000.1870	0110.0	012.9	59.52
237.0	021.1521	0153.2	044.9	003.5	000.1870	0098.7	013.5	57.73
238.0	021.0781	0152.8	044.9	001.9	000.1870	0098.4	014.2	56.85
239.0	021.0043	0152.2	044.8	000.6	000.1870	0097.2	014.9	55.92
240.0	020.9306	0151.3	044.6	359.6	000.1870	0096.8	015.7	55.37
241.0	020.9551	0150.3	044.5	358.6	000.1870	0097.0	016.4	54.77
242.0	020.9797	0149.5	044.4	357.7	000.1870	0097.5	017.1	54.20
243.0	021.0043	0149.0	044.4	356.8	000.1870	0099.2	017.9	53.75
244.0	021.0289	0148.6	044.3	356.0	000.1870	0102.6	018.6	53.45
245.0	021.0535	0148.3	044.3	355.2	000.1870	0105.9	019.3	53.15
246.0	021.0781	0147.8	044.2	354.6	000.1870	0108.1	020.1	52.74
247.0	021.1028	0147.5	044.2	354.0	000.1870	0109.9	020.8	52.29
248.0	021.1275	0147.3	044.2	353.5	000.1870	0111.5	021.6	51.84
249.0	021.1521	0147.1	044.2	353.0	000.1870	0112.4	022.3	51.35
250.0	021.1768	0146.9	044.1	352.6	000.1870	0112.8	023.1	50.81
251.0	022.0752	0146.5	044.5	351.5	000.1870	0112.3	023.8	50.26
252.0	022.9923	0146.2	044.8	350.5	000.1870	0111.9	024.5	49.71

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
253.0	023.9280	0145.8	045.1	349.6	000.1870	0110.8	025.2	49.10
254.0	024.8823	0145.2	045.3	348.8	000.1870	0109.8	026.0	48.50
255.0	025.8554	0144.7	045.6	348.1	000.1870	0108.7	026.8	47.89
256.0	026.8471	0143.8	045.8	347.6	000.1870	0108.0	027.6	47.32
257.0	027.8574	0143.0	046.0	347.1	000.1870	0107.9	028.4	46.81
258.0	028.8865	0142.2	046.2	346.7	000.1870	0108.1	029.2	46.34
259.0	029.9341	0141.8	046.5	346.3	000.1870	0108.5	030.0	45.91
260.0	031.0005	0141.7	046.8	345.8	000.1870	0109.2	030.8	45.50
261.0	032.2834	0141.7	047.1	345.3	000.1870	0109.9	031.7	45.12
262.0	033.5923	0141.3	047.4	345.0	000.1870	0110.5	032.5	44.75
263.0	034.9272	0140.5	047.7	344.7	000.1870	0110.9	033.4	44.37
264.0	036.2882	0139.7	047.9	344.6	000.1870	0111.2	034.2	43.98
265.0	037.6751	0138.9	048.1	344.4	000.1870	0111.5	035.1	43.59
266.0	039.0881	0138.2	048.4	344.3	000.1870	0111.7	036.0	43.20
267.0	040.5270	0137.7	048.6	344.2	000.1870	0111.9	036.8	42.81
268.0	041.9920	0137.2	048.9	344.1	000.1870	0112.0	037.7	42.41
269.0	043.4830	0136.0	049.0	344.3	000.1870	0111.8	038.6	42.01
270.0	045.0000	0134.8	049.2	344.4	000.1870	0111.6	039.5	41.62
271.0	045.0000	0133.7	049.0	344.9	000.1870	0110.6	040.2	41.21
272.0	045.0000	0132.6	048.8	345.5	000.1870	0109.7	041.0	40.81
273.0	045.0000	0132.3	048.8	345.9	000.1870	0109.1	041.8	40.43
274.0	045.0000	0132.3	048.8	346.2	000.1870	0108.6	042.6	40.05
275.0	045.0000	0132.2	048.8	346.6	000.1870	0108.2	043.4	39.69
276.0	045.0000	0132.2	048.8	346.9	000.1870	0107.9	044.2	39.34
277.0	045.0000	0132.0	048.7	347.3	000.1870	0107.9	045.0	39.02
278.0	045.0000	0131.6	048.7	347.8	000.1870	0108.2	045.8	38.73
279.0	045.0000	0131.0	048.6	348.2	000.1870	0108.9	046.6	38.48
280.0	045.0000	0130.5	048.5	348.7	000.1870	0109.6	047.3	38.23
281.0	045.0000	0130.3	048.5	349.1	000.1870	0110.2	048.1	37.97
282.0	045.0000	0129.9	048.4	349.5	000.1870	0110.8	048.9	37.72
283.0	045.0000	0129.5	048.4	350.0	000.1870	0111.3	049.6	37.46
284.0	045.0000	0129.5	048.4	350.3	000.1870	0111.8	050.4	37.19
285.0	045.0000	0129.7	048.4	350.7	000.1870	0112.1	051.2	36.91

WSEW-A BPED19940927MA
 Channel = 204A
 Max ERP = 0.187 kW
 RCAMSL = 282 M
 N. Lat. 43 25 14.0
 W. Lng. 70 48 04.0
 Protected
 60 dBu

WMSJ(New)
 Channel = 207B
 Max ERP = 45 kW
 RCAMSL = 203.95 M
 N. Lat. 43 45 44.7
 W. Lng. 70 19 29.8
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
345.0	000.1870	0110.5	012.6	238.3	021.0569	0152.7	049.0	60.47
346.0	000.1870	0108.9	012.5	238.1	021.0695	0152.8	048.8	60.54
347.0	000.1870	0107.9	012.4	238.0	021.0801	0152.8	048.7	60.62
348.0	000.1870	0108.5	012.5	237.9	021.0840	0152.9	048.4	60.71
349.0	000.1870	0110.1	012.6	237.9	021.0836	0152.9	048.2	60.80
350.0	000.1870	0111.4	012.6	237.9	021.0851	0152.9	048.0	60.89
351.0	000.1870	0112.2	012.7	237.9	021.0889	0152.9	047.8	60.98
352.0	000.1870	0112.5	012.7	237.8	021.0957	0152.9	047.5	61.06
353.0	000.1870	0112.5	012.7	237.6	021.1043	0153.0	047.3	61.15
354.0	000.1870	0110.0	012.5	237.4	021.1241	0153.1	047.2	61.21
355.0	000.1870	0106.8	012.4	237.1	021.1469	0153.1	047.1	61.26
356.0	000.1870	0102.3	012.1	236.7	021.1760	0153.2	047.0	61.30
357.0	000.1870	0098.8	011.9	236.3	021.2015	0153.2	047.0	61.33
358.0	000.1870	0097.2	011.8	236.1	021.2182	0153.1	046.8	61.39
359.0	000.1870	0096.9	011.8	236.0	021.2297	0153.1	046.7	61.46
000.0	000.1870	0096.6	011.8	235.8	021.2415	0153.1	046.5	61.52
001.0	000.1870	0097.7	011.9	235.7	021.2477	0153.0	046.3	61.61
002.0	000.1870	0098.5	011.9	235.6	021.2556	0153.0	046.1	61.69
003.0	000.1870	0099.0	011.9	235.5	021.2653	0153.0	045.9	61.76
004.0	000.1870	0100.6	012.0	235.4	021.2709	0152.9	045.7	61.85
005.0	000.1870	0106.7	012.4	235.6	021.2582	0153.0	045.3	62.01
006.0	000.1870	0113.1	012.7	235.7	021.2462	0153.1	044.9	62.18
007.0	000.1870	0118.4	013.0	235.8	021.2407	0153.1	044.6	62.32
008.0	000.1870	0122.6	013.2	235.8	021.2397	0153.1	044.2	62.46
009.0	000.1870	0126.1	013.4	235.8	021.2427	0153.1	044.0	62.58
010.0	000.1870	0129.0	013.5	235.7	021.2480	0153.0	043.7	62.70
011.0	000.1870	0132.0	013.7	235.6	021.2532	0153.0	043.4	62.82
012.0	000.1870	0135.6	013.9	235.6	021.2572	0153.0	043.1	62.96
013.0	000.1870	0139.9	014.1	235.6	021.2592	0153.0	042.8	63.11
014.0	000.1870	0144.5	014.4	235.5	021.2607	0153.0	042.4	63.27
015.0	000.1870	0148.2	014.6	235.5	021.2664	0153.0	042.1	63.41
016.0	000.1870	0150.7	014.7	235.3	021.2771	0152.9	041.8	63.53
017.0	000.1870	0153.0	014.9	235.1	021.2895	0152.8	041.5	63.65
018.0	000.1870	0155.7	015.0	235.0	021.3015	0152.8	041.3	63.77

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
019.0	000.1870	0158.3	015.2	234.8	021.3145	0152.7	041.0	63.90
020.0	000.1870	0160.5	015.3	234.6	021.3301	0152.5	040.7	64.01
021.0	000.1870	0162.9	015.4	234.4	021.3457	0152.4	040.5	64.12
022.0	000.1870	0166.0	015.6	234.2	021.3603	0152.3	040.2	64.25
023.0	000.1870	0169.2	015.8	234.0	021.3757	0152.1	039.9	64.38
024.0	000.1870	0171.7	015.9	233.7	021.3943	0151.9	039.6	64.49
025.0	000.1870	0173.5	016.0	233.4	021.4159	0151.7	039.4	64.58
026.0	000.1870	0174.9	016.0	233.1	021.4393	0151.5	039.2	64.67
027.0	000.1870	0176.1	016.1	232.8	021.4639	0151.3	039.1	64.75
028.0	000.1870	0177.2	016.2	232.5	021.4893	0151.1	038.9	64.82
029.0	000.1870	0178.3	016.2	232.1	021.5156	0151.0	038.7	64.90
030.0	000.1870	0179.3	016.3	231.8	021.5426	0151.0	038.6	64.97
031.0	000.1870	0180.3	016.3	231.4	021.5704	0151.0	038.4	65.05
032.0	000.1870	0181.1	016.3	231.0	021.5991	0151.0	038.3	65.12
033.0	000.1870	0181.8	016.4	230.6	021.6285	0151.0	038.2	65.18
034.0	000.1870	0182.4	016.4	230.2	021.6584	0151.1	038.1	65.24
035.0	000.1870	0183.3	016.4	229.8	021.7356	0151.1	038.0	65.31
036.0	000.1870	0184.3	016.5	229.4	021.8628	0151.0	037.8	65.39
037.0	000.1870	0185.1	016.5	229.0	021.9933	0150.9	037.7	65.46
038.0	000.1870	0185.2	016.5	228.6	022.1287	0150.8	037.7	65.51
039.0	000.1870	0184.4	016.5	228.1	022.2681	0150.8	037.7	65.54
040.0	000.1870	0183.3	016.4	227.7	022.4087	0150.8	037.7	65.56
041.0	000.1870	0182.4	016.4	227.2	022.5487	0150.9	037.7	65.59
042.0	000.1870	0182.2	016.4	226.8	022.6876	0151.0	037.7	65.64
043.0	000.1870	0182.5	016.4	226.4	022.8263	0151.3	037.6	65.69
044.0	000.1870	0183.6	016.5	225.9	022.9655	0151.5	037.6	65.76
045.0	000.1870	0185.0	016.5	225.5	023.1065	0151.7	037.5	65.83
046.0	000.1870	0186.3	016.6	225.0	023.2494	0152.0	037.4	65.90
047.0	000.1870	0187.6	016.6	224.6	023.3939	0152.2	037.4	65.96
048.0	000.1870	0189.1	016.7	224.1	023.5408	0152.4	037.4	66.02
049.0	000.1870	0190.4	016.8	223.7	023.6889	0152.7	037.3	66.08
050.0	000.1870	0191.1	016.8	223.2	023.8366	0152.9	037.3	66.12
051.0	000.1870	0190.9	016.8	222.8	023.9824	0153.3	037.4	66.15
052.0	000.1870	0190.5	016.8	222.4	024.1265	0153.6	037.4	66.16
053.0	000.1870	0190.3	016.8	221.9	024.2711	0154.0	037.5	66.18
054.0	000.1870	0190.8	016.8	221.5	024.4180	0154.4	037.5	66.20
055.0	000.1870	0191.8	016.8	221.0	024.5675	0154.7	037.6	66.24
056.0	000.1870	0192.8	016.9	220.6	024.7177	0155.1	037.6	66.27
057.0	000.1870	0193.6	016.9	220.1	024.8665	0155.4	037.6	66.29
058.0	000.1870	0194.4	016.9	219.7	025.2407	0155.8	037.7	66.35
059.0	000.1870	0195.4	017.0	219.2	025.7132	0156.1	037.7	66.42
060.0	000.1870	0196.7	017.0	218.8	026.1945	0156.6	037.8	66.50
061.0	000.1870	0198.1	017.1	218.3	026.6803	0157.0	037.9	66.58
062.0	000.1870	0199.2	017.1	217.9	027.1635	0157.6	037.9	66.65
063.0	000.1870	0200.1	017.2	217.5	027.6402	0158.1	038.0	66.71
064.0	000.1870	0201.0	017.2	217.0	028.1143	0158.8	038.1	66.77
065.0	000.1870	0201.8	017.3	216.6	028.5854	0159.5	038.2	66.83
066.0	000.1870	0202.5	017.3	216.2	029.0534	0160.2	038.3	66.88
067.0	000.1870	0203.0	017.3	215.8	029.5124	0161.0	038.5	66.92
068.0	000.1870	0203.6	017.3	215.4	029.9705	0161.7	038.6	66.96
069.0	000.1870	0204.4	017.4	215.0	030.4309	0162.4	038.8	66.99

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
070.0	000.1870	0205.2	017.4	214.6	030.8912	0163.0	038.9	67.02
071.0	000.1870	0206.0	017.4	214.2	031.3443	0163.5	039.1	67.04
072.0	000.1870	0206.6	017.5	213.8	031.7874	0164.1	039.2	67.05
073.0	000.1870	0207.1	017.5	213.5	032.2206	0164.5	039.4	67.05
074.0	000.1870	0207.6	017.5	213.1	032.6480	0164.9	039.6	67.04
075.0	000.1870	0208.1	017.5	212.7	033.0631	0165.2	039.8	67.02
076.0	000.1870	0208.3	017.5	212.4	033.4632	0165.5	040.0	66.99
077.0	000.1870	0208.6	017.6	212.1	033.8568	0165.8	040.2	66.96
078.0	000.1870	0208.9	017.6	211.8	034.2477	0166.0	040.4	66.92
079.0	000.1870	0209.6	017.6	211.4	034.6479	0166.1	040.6	66.88
080.0	000.1870	0210.5	017.6	211.1	035.0494	0166.2	040.8	66.84
081.0	000.1870	0211.3	017.7	210.8	035.4441	0166.3	041.0	66.80
082.0	000.1870	0212.1	017.7	210.5	035.8252	0166.3	041.2	66.74
083.0	000.1870	0212.7	017.7	210.2	036.1926	0166.3	041.4	66.68
084.0	000.1870	0213.3	017.8	209.9	036.5123	0166.3	041.7	66.61
085.0	000.1870	0214.1	017.8	209.6	036.7410	0166.2	041.9	66.53
086.0	000.1870	0215.0	017.8	209.4	036.9661	0166.1	042.2	66.44
087.0	000.1870	0215.8	017.9	209.1	037.1846	0166.0	042.4	66.35
088.0	000.1870	0216.9	017.9	208.8	037.4055	0165.8	042.6	66.26
089.0	000.1870	0217.9	017.9	208.6	037.6206	0165.7	042.9	66.17
090.0	000.1870	0219.0	018.0	208.3	037.8282	0165.5	043.1	66.08
091.0	000.1870	0220.0	018.0	208.1	038.0301	0165.3	043.4	65.98
092.0	000.1870	0220.9	018.1	207.8	038.2168	0165.2	043.7	65.87
093.0	000.1870	0221.1	018.1	207.7	038.3691	0165.1	044.0	65.76
094.0	000.1870	0221.1	018.1	207.5	038.5064	0164.9	044.2	65.65
095.0	000.1870	0221.0	018.1	207.3	038.6340	0164.8	044.5	65.53
096.0	000.1870	0220.8	018.1	207.2	038.7510	0164.7	044.8	65.41
097.0	000.1870	0220.6	018.1	207.1	038.8586	0164.6	045.1	65.29
098.0	000.1870	0220.4	018.0	207.0	038.9592	0164.5	045.4	65.17
099.0	000.1870	0220.1	018.0	206.8	039.0509	0164.4	045.7	65.05
100.0	000.1870	0219.8	018.0	206.7	039.1344	0164.3	046.0	64.93
101.0	000.1870	0219.6	018.0	206.6	039.2162	0164.2	046.3	64.81
102.0	000.1870	0219.4	018.0	206.6	039.2912	0164.2	046.6	64.69
103.0	000.1870	0219.2	018.0	206.5	039.3595	0164.1	047.0	64.57
104.0	000.1870	0218.9	018.0	206.4	039.4172	0164.0	047.3	64.45
105.0	000.1870	0218.4	018.0	206.4	039.4634	0164.0	047.6	64.33

United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

LIGHT OF LIFE MINISTRIES INC
160 BANGOR STREET
AUGUSTA ME 04330

Rodolfo F. Bonacci
Assistant Chief
Audio Division
Media Bureau

Facility ID: 92341

Grant Date: August 03, 2007

Call Sign: WMDR-FM

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Permit File Number: BPED-20070223AAH

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: LIGHT OF LIFE MINISTRIES INC

Station Location: ME-OAKLAND

Frequency (MHz): 88.9

Channel: 205

Class: C0

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of Ex #16, Pg #18 the Commission's Rules.

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 44 deg 15 min 03 sec

West Longitude: 70 deg 25 min 16 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	.100	50
Height of radiation center above ground (Meters):	85	85
Height of radiation center above mean sea level (Meters):	588	588
Height of radiation center above average terrain (Meters):	411	411

Antenna structure registration number: 1216087

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.
- 2 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.
- 3 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.

Special operating conditions or restrictions:

- 4 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

50 kilowatts.

Principal minima and their associated field strength limits:

230 - 0 degrees True: 1.60 kilowatts

- 5 THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 DO NOT APPLY IN THIS CASE. A FORMAL REQUEST FOR PROGRAM TEST AUTHORITY MUST BE FILED IN CONJUNCTION WITH FCC FORM 302-FM, APPLICATION FOR LICENSE, BEFORE PROGRAM TESTS WILL BE AUTHORIZED. This request must contain documentation which demonstrates compliance with the following special operating condition(s):
- 6 The permittee/licensee shall, upon completion of construction and during the equipment test period, make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields. If necessary, a fence must be erected at such distances and in such a manner as to prevent the exposure of humans to RF fields in excess of the FCC Guidelines (OET Bulletin No. 65, Edition 97-01, August 1997). The fence must be a type which will preclude casual or inadvertent access, and must include warning signs at appropriate intervals which describe the nature of the hazard. Any areas within the fence found to exceed the recommended guidelines must be clearly marked with appropriate visual warning signs.
- 7 Documentation demonstrating compliance with the special operating condition(s) shall be submitted at the time of the filing of FCC Form 302-FM.
- 8 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 9 In accordance with Section 73.525(c) of the Commission's Rules, the permittee shall effectively install 944 filters on television receivers located within the predicted interference area within ninety (90) days after commencing program tests and, no later than forty five (45) days thereafter, provide TV channel six Station WCSH (Facility id# 39664) with a certification containing sufficient information to permit verification of such installations.

Special operating conditions or restrictions:

Ex #16, Pg #20

10 Further modification of WYAR(FM), (Facility ID No. 78242), Yarmouth, ME will not be construed as a per se modification of WMDR-FM's construction permit (BPED-20070223AAH). (See Educational Information Corporation, 6 FCC Rcd. 2207 (1991)).

11 Further modification of WMSJ(FM), (Facility ID No. 17483), Freeport, ME will not be construed as a per se modification of WMDR-FM's construction permit (BPED-20070223AAH). (See Educational Information Corporation, 6 FCC Rcd. 2207 (1991)).

*** END OF AUTHORIZATION ***