

TABLE 2

WHO CRITICAL HOURS ALLOCATION STUDY

FOR PROPOSED WCHR 7.5 KILOWATT DIRECTIONAL PATTERN

WCHR(AM) 1040 KILOHERTZ

FLEMINGTON, NEW JERSEY

MAY 2004

<u>Point</u>	<u>North Latitude</u>	<u>West Longitude</u>	<u>Distance Kilometers</u>	<u>Bearing Degrees T</u>	<u>Permissible mv/m</u>	<u>Proposed mv/m</u>
A	44 36 16	91 53 46	1469	294.0	1118	967.0
B	42 52 22	89 41 10	1255	287.2	862.2	834.7
C	41 47 01	89 23 20	1218	281.8	801.1	738.1
D	39 56 24	89 41 10	1255	272.7	831.7	602.7
E	38 17 32	92 58 24	1568	267.2	1142	540.8

TABLE 3  
AM Nighttime Allocation Study  
WYSL Avon, New York

Point A  
Coordinates 43-00-20 N 77-43-49 W

CALL	FRQ	COUNTRY	CITY	ST	DIST	CLASS	SLANT DIST	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT	50% RSS	25% RSS
WHO	1040	US	DES MOINES	IA	1291	A	1306	78.1	3334	3.5	7.6	3277	0.020814	13.64	13.64	13.640
WBZ	1030	US	BOSTON	MA	566	A	601	280.5	4109	13.0	21.6	3667	0.084627	6.206	0.000	14.985
CHUM	1050	CA	TORONTO	ON	162	B	258	108.6	84.4	41.2	55.5	734	0.318105	4.672	0.000	15.696
WEPN	1050	US	NEW YORK	NY	389	B	438	310.1	1663	19.4	30.7	1340	0.145989	3.911	0.000	16.176
WCHR	1040	US	FLEMINGTON	NJ	360	B	412	321.5	143	21.0	32.8	116	0.161369	3.727	0.000	0.000

Point B  
Coordinates 43-00-45 N 77-39-20 W

CALL	FRQ	COUNTRY	CITY	ST	DIST	CLASS	SLANT DIST	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT	50% RSS	25% RSS
WHO	1040	US	DES MOINES	IA	1297	A	1312	78.1	3334	3.4	7.5	3278	0.020612	13.51	13.51	13.513
WBZ	1030	US	BOSTON	MA	560	A	595	280.7	4110	13.1	21.8	3657	0.085980	6.289	0.000	14.904
CHUM	1050	CA	TORONTO	ON	168	B	261	107.7	90.6	40.3	54.6	744	0.311855	4.638	0.000	15.609
WEPN	1050	US	NEW YORK	NY	385	B	434	310.8	1695	19.6	31.0	1359	0.148013	4.022	0.000	16.119
WCHR	1040	US	FLEMINGTON	NJ	356	B	409	322.3	149	21.2	33.0	120	0.163128	3.923	0.000	0.000

Point C  
Coordinates 42-58-37 N 77-36-30 W

CALL	FRQ	COUNTRY	CITY	ST	DIST	CLASS	SLANT DIST	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT	50% RSS	25% RSS
WHO	1040	US	DES MOINES	IA	1301	A	1316	78.2	3334	3.4	7.5	3279	0.020514	13.45	13.45	13.452
WBZ	1030	US	BOSTON	MA	556	A	591	280.3	4107	13.3	22.0	3648	0.087026	6.349	0.000	14.875
CHUM	1050	CA	TORONTO	ON	173	B	264	108.5	85.0	39.4	53.8	721	0.306406	4.421	0.000	15.518
WEPN	1050	US	NEW YORK	NY	379	B	429	310.6	1690	19.9	31.3	1346	0.150721	4.056	0.000	16.039
WCHR	1040	US	FLEMINGTON	NJ	351	B	404	322.4	150	21.5	33.5	120	0.166207	3.985	0.000	0.000

TABLE 3

-2-

AM Nighttime Allocation Study  
WYSL Avon, New York

Point D

Coordinates 42-54-05 N 77-37-13 W

CALL	FRQ	COUNTRY	CITY	ST	DIST	CLASS	SLANT DIST	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT	50% RSS	25% RSS
WHO	1040	US	DES MOINES	IA	1300	A	1315	78.6	3334	3.4	7.5	3279	0.020598	13.51	13.51	13.506
WBZ	1030	US	BOSTON	MA	556	A	591	279.4	4102	13.3	22.0	3643	0.087107	6.347	0.000	14.923
CHUM	1050	CA	TORONTO	ON	175	B	276	111.2	82.0	39.1	53.4	671	0.304254	4.083	0.000	15.472
WEPN	1050	US	NEW YORK	NY	375	B	425	309.5	1635	20.2	31.7	1295	0.153027	3.964	0.000	15.971
WCHR	1040	US	FLEMINGTON	NJ	345	B	399	321.4	142	21.9	33.9	113	0.169632	3.823	0.000	0.000

Point E

Coordinates 42-50-52 N 77-36-36 W

CALL	FRQ	COUNTRY	CITY	ST	DIST	CLASS	SLANT DIST	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT	50% RSS	25% RSS
WHO	1040	US	DES MOINES	IA	1300	A	1316	78.9	3334	3.4	7.5	3279	0.020608	13.51	13.51	13.514
WBZ	1030	US	BOSTON	MA	555	A	590	278.8	4099	13.3	22.0	3638	0.087505	6.367	0.000	14.938
WEPN	1050	US	NEW YORK	NY	371	B	421	308.9	1602	20.4	32.0	1263	0.155269	3.922	0.000	15.444
CHUM	1050	CA	TORONTO	ON	178	B	268	112.9	86.9	38.6	52.9	638	0.300938	3.838	0.000	0.000
WCHR	1040	US	FLEMINGTON	NJ	340	B	395	320.9	138	22.2	34.3	109	0.172657	3.749	0.000	0.000

Point F

Coordinates 42-49-35 N 77-37-33 W

CALL	FRQ	COUNTRY	CITY	ST	DIST	CLASS	SLANT DIST	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMIT	50% RSS	25% RSS
WHO	1040	US	DES MOINES	IA	1299	A	1314	79.0	3334	3.4	7.5	3278	0.020664	13.55	13.55	13.549
WBZ	1030	US	BOSTON	MA	556	A	591	278.6	4097	13.3	22.0	3639	0.087277	6.352	0.000	14.964
WEPN	1050	US	NEW YORK	NY	370	B	421	308.5	1582	20.4	32.0	1247	0.155498	3.877	0.000	15.460
CHUM	1050	CA	TORONTO	ON	178	B	268	113.7	90.2	38.6	53.0	625	0.301202	3.762	0.000	0.000
WCHR	1040	US	FLEMINGTON	NJ	339	B	394	320.4	134	22.2	34.4	106	0.173251	3.665	0.000	0.000