

***** FM CHANNEL STUDY NO. 2 - MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND - 1-AUG-01 12:02:18 *****

 LAST UPDATE: 010725 *****

WHTG-F	BPH001101AA	292 A	FM	POLARIZATION	ERP (KW)	HAAT	RCAMSL
EATONTOWN NJ	US		CP		HOR PLN	BM TILT	(METER)
40.1612	74.0422 (D.MMSS)	106.3 MHz		HORIZONTAL	1.850	0.000	128.0
PRESS COMMUNICATIONS, LLC				VERTICAL	1.850	0.000	147

THE FOLLOWING CONTOURS ARE CALCULATED USING:

ERP= 1.850 (KW) 2.7 (DBK) HAAT= 128.1 (METERS)

CALCULATED HAAT FROM TOPO DATA BASE

INTERFERING	DOMESTIC
	DBU KM
CO CHANNEL (40.0)	73.6
1ST ADJACENT (54.0)	36.4
2ND ADJACENT (80.0)	7.6
3RD ADJACENT (100.0)	2.1
PROTECTED (60.0)	24.2
CITY GRADE (70.0)	13.5

AZIMUTH	HAAT	HAAT	CONTOURS (KM)	
DEGREES	(METERS)	(FEET)	70 DBU	60 DBU
0.0	131.2	430.4	13.6	24.5
45.0	143.2	469.9	14.3	25.4
90.0	142.5	467.6	14.2	25.4
135.0	143.4	470.5	14.3	25.4
180.0	120.9	396.5	13.1	23.7
225.0	117.8	386.3	12.9	23.4
270.0	110.3	361.7	12.5	22.7
315.0	115.6	379.3	12.8	23.2
AVERAGE	128.1	420.3	13.5	24.2

CHANNEL ALLOCATION - CP / LIC SITE

RADIO STATION WHTG-FM
 EATONTOWN, NEW JERSEY
 CH. 292A 1.0 KW 155 METERS

MULLANEY ENGINEERING, INC.
 GAITHERSBURG, MARYLAND

FIGURE 4-A (page 1 of 2)
 AUGUST 2001

AZIMUTH		CALL	STS	FILE NUMBER	CITY	ST C	LAT	LONG	ERP (KW)		HAAT D	3 KW RULES	IR		IC	REZLT
FROM	TO						(D.MMSS)	REL CHN	HORZ VERT	(M) A	DIST (KM)		RSEP (KM)	RSEP (KM)	IR IC	
7.7	187.8	WPLJ	LIC	BLH851224KB	NEW YORK	NY A	40.4454	73.5910	IF	238B	6.7H 6.7V	407		53.7	15.	
195.7	15.6	WCHR-F	CP	BMPH970228IC	MANAHAWKI	NJ A	39.4506	74.1539	3RD	289B1	6.3H 6.3V	156E		59.7	48.	
197.0	16.9	WCHR-F	APP	BPH990407ID	MANAHAWKI	NJ A	39.4256	74.1732	3RD	289B1	13H 13V	140E		64.3	48.	
8.5	188.6	WCAA	LIC	BLH920911KF	NEWARK	NJ A	40.4504	73.5837	2ND	290B1	2.45H2.45V	220		54.1	48.	C
7.7	187.8	WCAA	CP	BMPH980120IG	NEWARK	NJ A	40.4454	73.5910	2ND	290B1	.61H .61V	416		53.7	48.	C
7.7	187.8	WCAA	APP	BMPH980728IC	NEWARK	NJ A	40.4454	73.5910	2ND	290B1	.66H .66V	415		53.7	48.	C
53.5	234.2	WBLI	LIC	BLH940614KA	PATCHOGUE	NY A	40.5032	73.0223	1ST	291B	49H 47V	152D	105	108.1	113.	S-6
257.9	77.2	WJJZ	LIC	BMLH850405KC	PHILADELPHIA	PA A	40.0458	75.1054	1ST	291B	22.5H22.5V	226	105	96.8	113.	S-GF
204.5	24.1	WKOE	LIC	BLH941227KB	OCEAN CITY	NJ A	39.1345	74.4054	CO	292A	3H 3V	94		126.8	115.	
0.0	0.0	WHTG-F	LIC	BMLH910703KC	EATONTOWN	NJ A	40.1610	74.0419	CO	292A	3.9H 3.9V	71		0.0	115.	-
0.0	0.0	WHTG-F	CP	BPH980303ID	EATONTOWN	NJ A	40.1610	74.0419	CO	292A	4.6H 4.6V	113E		0.0	115.	-
311.1	131.1	WHTG-F	APP	BPH01101AAL	EATONTOWN	NJ A	40.1612	74.0422	CO	292A	1.85B1.85B	128		0.1	115.	-
321.8	141.8	WHTGau	CP	BPH980116IE	EATONTOWN	NJ A	40.1641	74.0451	CO	292A	.46H .46V	155		1.2	115.	-
321.8	141.8	WHTGau	LIC	BXLH00223AAO	EATONTOWN	NJ a	40.1641	74.0451	CO	292A	.46H .46V	155		1.2	115.	-
17.0	197.3	WZZN	LIC	BMLH830711AL	MOUNT KIS	NY A	41.1156	73.4137	CO	292A	1.4H 1.4V	134	105	108.0	115.	S-6
319.0	138.4	WHCY	LIC	BLH940104KA	BLAIRSTOW	NJ A	41.0253	74.5821	CO	292A	.43H .43V	262		115.2	115.	C
7.7	187.8	WLTW	LIC	BLH940203KA	NEW YORK	NY A	40.4454	73.5910	2ND	294B	6H 6V	415	69	53.7	69.	S-GF
245.7	65.1	WKDN	LIC	BMLED980417KA	CAMDEN	NJ A	39.5433	75.0600	3RD	295B	38H 38V	168		96.4	69.	

DISTANCE (MILES)	DISTANCE (KM)	CALL	LOCATION	FREQ. (KHZ)	COORDINATES	FILE NO.	AZIMUTH FROM TO
2.92	4.69	WADB	ASBURY PARK	NJ US 1310 Lic	DA2 Day 40-13-47N 74-05-27W	BL890713AC	200.0 19.9
0.00	0.00	WHTG	EATONTOWN	NJ US 1410 Lic	ND1 Day 40-16-10N 74-04-19W	BL	180.0 180.0
0.06	0.09	WHTG	EATONTOWN	NJ US 1410 CP	ND2 Day 40-16-12N 74-04-22W	BP01025AAY	311.1 131.1

CHANNEL ALLOCATION - CP / LIC SITE

RADIO STATION WHTG-FM
EATONTOWN, NEW JERSEY
CH. 292A 1.0 KW 155 METERS

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

FIGURE 4-A (page 2 of 2)
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