

MINOR CHANGE APPLICATION
CAPSTAR TX LLC
WWW-FM RADIO STATION
CH 275B - 102.9 MHZ - 50.0 KW
ANN ARBOR, MICHIGAN
July 2010

EXHIBIT A

Grandfathered Shortspace Review pursuant to §73.213(a) and §73.213 ©
& International Station Clearance

This application seeks to relocate WWW-FM, Channel 275B, Ann Arbor, Michigan to an alternate site located 3.5 kilometers west-southwest of the licensed site. As indicated on Exhibit A1, Channel 275B, at the licensed WWW-FM site at Ann Arbor, Michigan, meets the Commission's minimum distance separation requirements to all other licensed, applied for, or proposed facilities, pursuant to §73.207, with the exception of the following stations: WHTD, Channel 274B, Mount Clemens, Michigan; WFUR-FM, Channel 275B, Grand Rapids, Michigan; WCPZ, Channel 274B, Sandusky, Ohio¹; WMUZ, Channel 278B, Detroit, Michigan; WQUS, Channel 276A, Lapeer, Michigan; and WNDH, Channel 276A, Napoleon, Ohio. Additionally, WWW-FM does not meet the spacing requirements contained in the Working Arrangement for the Allotment and Assignment of FM Broadcasting Channels under the Agreement between the Government of Canada and the Government of the United States of America relating to the FM Broadcasting Service (February 1991), as amended ("The Working Agreement"), towards two Canada channels; CBEF-1-FM, Channel 276A, Leamington, Ontario, Canada and CJNR-FM, Channel 272A, Windsor, Ontario, Canada (as well as another application for Channel 272A at Windsor, ("New")).

1) There is also an outstanding permit to make changes to the WCPZ facilities, which is also considered herein.

§73.213(a) Shortages

Channel 275B commenced operation in Ann Arbor, Michigan prior to November 16, 1964. The channels for each of these shortspaced stations, WHTD, WFUR-FM, WCPZ and WMUZ, are also pre-1964 assignments.² Based on the review, WWW-FM is a pre-1964 grandfathered shortspaced station with respect to WHTD, WFUR-FM, WCPZ and WMUZ pursuant to §73.213(a) of the rules. As indicated in §73.213(a)(4), there is no minimum distance or interference protection requirements for second or third adjacent channels, which have remained continuously shortspaced since 1964. As such, as a third adjacent channel station, WMUZ is not addressed further in this instant application.

The proposed WWW-FM site will relocate the station 3.5 kilometers west-southwest of its licensed location. As such, the distances to the various pre-1964 grandfathered shortspaced stations are altered. As indicated on Exhibit A2, from the proposed location, WWW-FM will move farther away from WHTD and WCPZ, but slightly closer to WFUR. Based on the proposed reduction in height and antenna system, the protected and interfering contours of the relocated WWW-FM facility fall slightly short of reaching (or at the same location as) those contours from the WWW-FM licensed site. As indicated on Exhibits A3, A4 and A5, the relevant protected and interfering contours for the proposed WWW-FM are encompassed within the respective protected and interfering contours of the licensed WWW-FM facility, along the arcs to each of the shortspaced stations' protected contour.

2) According to data reviewed, WWW-FM commenced operation in March 1962; WHTD in November 1960; WFUR-FM in September 1960; WCPZ in August 1959 and WMUZ in November 1958. Therefore, §73.213(a) applies to each of these shortages.

Therefore, any interference caused to the pre-1964 grandfathered stations will be either maintained or be slightly less, by virtue of the reduced contour overlap.³ As such, it is believed this proposal is in compliance with §73.213(a) of the rules.

§73.213(c) Shortages

As indicated on Exhibit A1, the presently licensed WWWW-FM does not meet the current spacing requirements (§73.207 of the rules) to two Class A stations WQUS, Channel 276A, Lapeer, Michigan and WNDH, Channel 276A, Napoleon, Ohio. Both Class A stations commenced operation prior to October 1, 1989 and are licensed to operate with equivalent 3.0 kilowatt/100 meter HAAT facilities. Pursuant to §73.213(c)(1), a Class B facility operating on a first adjacent channel to a 3.0 kilowatt Class A facility must be separated by a minimum of 105 kilometers. From the WWWW-FM licensed site, both WQUS and WNDH are more than 105 kilometers removed. Further, from the proposed WWWW-FM site, both WQUS and WNDH remain more than 105 kilometers away (see Exhibit A2). Therefore, this proposal complies with the former 3.0 kilowatt spacing rules to the two first adjacent Class A stations.

Canadian Agreement Review

The licensed WWWW-FM facility does not meet the required minimum distance separation requirements of The Working Agreement to either CBEF-1-FM or CJNR-FM (or the application for Channel 272A at Windsor), as indicated on Exhibit A1.⁴ The relocation of the

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- 3) Since the contour overlap to the grandfathered stations shows a maintained or slightly reduced overlap based on the proposed WWWW-FM facility in comparison to that of the licensed facility, no depth of interference analysis was undertaken.
 - 4) CBEF-1-FM is an Internationally coordinated shortspaced facility, limited to 1.0 kilowatt at 85.5 meters HAAT. CJNR-FM and the application for Channel 272A at Windsor, Ontario, Canada each have U.S. limitations. Since a review of the present protected and interfering contour of WWWW-FM in comparison to the proposed facility shows a maintenance or reduction of contour overlap, the authorized international facilities will be reviewed.

WWWW-FM facility will move the station further away from both Canadian facilities/allotments, as detailed on Exhibit A2. As a result of the proposed WWWW-FM height and the directional antenna system, the interfering contour of the proposed WWWW-FM, based on the channel relationship to the Canadian facilities, using The Working Agreement contours, will not extend any farther than the licensed interfering contours, as shown on Exhibit A6. It is noted that there is no predicted interference between WWWW-FM and the applied for CJNR-FM (or the application for Channel 272A at Windsor). As the pertinent proposed WWWW-FM contours fall short of those from the licensed WWWW-FM site, it is believed that this proposal complies with The Working Agreement. A tabulation of the protected and interfering contours of the proposed WWWW-FM are attached as Exhibit A7.

Based on the foregoing, it is believed that this proposal is in compliance with §73.213(a) and §73.213(c) of the Commission's rules and further complies with the pertinent international agreements.

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EXHIBIT A1

Clearance Study for WWW-FM Ann Arbor, Michigan
Using Present Licensed Site as Reference

REFERENCE	CLASS = B Int = B	DISPLAY DATES
42 15 04.0 N.		DATA 07-17-10
83 48 28.0 W.	Current Spacings to 3rd Adj.	SEARCH 07-19-10
----- Channel 275 - 102.9 MHz -----		

Call Lat.	Channel Lng.	Location Ant	Power	Azi HAAT	Dist	FCC	Margin
WWW-FM	LIC-D 275B 42 15 04.0	Ann Arbor 83 48 28.0	MI DEN 49.000 kW	0.0 BLH-19871110KA	0.0 152 M	241.0	-241.0
		Capstar TX LLC					
WHTD	LIC-D 274B 42 32 39.0	Mount Clemens 82 54 09.0	MI DCN 50.000 kW	66.0 BMLH-20000512AAD	81.3 152 M	169.0	-87.7
		Radio One of Detroit, LLC					
WFUR-FM	LIC 275B 42 57 13.0	Grand Rapids 85 41 55.0	MI CN 50.000 kW	297.4 BLH-19890911KD	173.7 150 M	241.0	-67.3
		Furniture City Broadcasting					
WCPZ	CP -D 274B 41 23 48.0	Sandusky 82 47 31.0	OH DCX 50.000 kW	138.1 BPH-20090513ACA	127.0 201 M	169.0	-42.0
		Bas Broadcasting, Inc.					
CBEF1F	OPE 276A 42 06 46.0	Leamington 82 39 52.0	ON CN 1.000 kW	98.9	95.7 78 M	137.0	-41.3
WCPZ	LIC-D 274B 41 26 28.0	Sandusky 82 41 14.0	OH DCN 50.000 kW	133.8 BLH-19901226KA	129.4 41 M	169.0	-39.6
		Bas Broadcasting, Inc.					
WMUZ	LIC 278B 42 22 40.0	Detroit 83 14 32.0	MI CN 50.000 kW	73.0 BLH-19851223KG	48.7 142 M	74.0	-25.3
		WMUZ Radio, Inc.					
WQUS	LIC 276A 43 04 43.0	Lapeer 83 11 24.0	MI CX 2.600 kW	28.6 BLH-20051130AIO	105.0 104 M	113.0	-8.1
		Regent Broadcasting of Flint					
NEW	OP 272A 42 18 59.0	Windsor 83 02 58.0	ON DCN 3.300 kW	83.1 20071122CAN	63.0 74 M	69.0	-6.0
CJNR-FM	OP 272A 42 17 50.0	Windsor 83 01 31.0	ON DCN 5.000 kW	85.2 20090216CA1	64.8 56 M	69.0	-4.2
WNDH	LIC 276A 41 18 00.0	Napoleon 84 09 22.0	OH CN 3.300 kW	195.4 BMLH-19940617KA	109.5 91 M	113.0	-3.5
		CC Licenses, LLC					

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EXHIBIT A1 (continued)

REFERENCE	CLASS = B Int = B	DISPLAY DATES
42 15 04.0 N.	Current Spacings to 3rd Adj.	DATA 07-17-10
83 48 28.0 W.	Channel 275 - 102.9 MHz	SEARCH 07-19-10

Call Lat.	Channel Lng.	Location Ant	Power	Azi HAAT	Dist	FCC	Margin
WPOS-FM	LIC 272A 41 37 32.0	Holland 83 42 41.0	C	OH 173.4 6.000 kW	69.9 95 M	69.0	0.9
The Maumee Valley Broadcast BMLED-20050317ACR							
WBZV	LIC 273A 41 53 03.0	Hudson 84 31 24.0	CN	MI 235.6 6.000 kW	71.9 100 M	69.0	2.9
Friends Communications BLH-19950315KG							
WDHT	LIC 275B 39 57 11.0	Urbana 83 52 07.0	CX	OH 181.2 50.000 kW	255.3 150 M	241.0	14.3
MLB-Dayton IV, LLC BLH-20090901AFM							
WGL-FM	LIC-N 275A 40 55 33.0	Huntington 85 23 15.0	NCX	IN 222.2 4.700 kW	197.5 91 M	178.0	19.5
Summit City Licenses, LLC BLH-20050222ADR							
WKJH-LP	LIC 278L1 41 27 44.0	Bryan 84 29 51.0		OH 213.3 0.100 kW	104.7 24 M	67.0	37.7
Lighthouse Ministries BLL-20020604AAS							
WMXD	LIC-Z 222B 42 19 55.0	Detroit 83 02 42.0	ZCN	MI 81.6 45.000 kW	63.5 146 M	20.0	43.6
AMFM Radio Licenses, L.L.C. BLH-19970303KA							
WKFR-FM	LIC 277B 42 21 20.0	Battle Creek 85 20 28.0	CN	MI 275.8 50.000 kW	127.0 147 M	74.0	53.0
Cumulus Licensing LLC BLH-19980730KC							
WGDN-FM	LIC 276C3 43 57 14.0	Gladwin 84 32 56.0	CX	MI 342.6 11.500 kW	198.6 148 M	145.0	53.6
Apple Broadcasting Company BLH-20070905ACG							
WYFM	LIC-N 275B 41 03 26.0	Sharon 80 38 22.0	NCX	PA 115.7 33.000 kW	295.4 184 M	241.0	54.4
Cumulus Licensing LLC BLH-20030702AAA							

EXHIBIT A2

REFERENCE	CLASS = B Int = B	DISPLAY DATES
42 14 46.0 N.		DATA 07-17-10
83 50 58.0 W.	Current Spacings to 3rd Adj.	SEARCH 07-19-10
----- Channel 275 - 102.9 MHz -----		

Call Lat.	Channel Lng.	Location Ant	Power	Azi HAAT	Dist	FCC	Margin
WWWW-FM	LIC-D 275B 42 15 04.0	Ann Arbor 83 48 28.0	MI DEN	80.8 49.000 kW BLH-19871110KA	3.5 152 M	241.0	-237.5
	Capstar TX LLC						
WHTD	LIC-D 274B 42 32 39.0	Mount Clemens 82 54 09.0	MI DCN	66.6 50.000 kW BMLH-20000512AAD	84.7 152 M	169.0	-84.3
	Radio One of Detroit, LLC						
WFUR-FM	LIC 275B 42 57 13.0	Grand Rapids 85 41 55.0	MI CN	298.1 50.000 kW BLH-19890911KD	170.9 150 M	241.0	-70.1
	Furniture City Broadcasting						
WCPZ	CP -D 274B 41 23 48.0	Sandusky 82 47 31.0	OH DCX	136.8 50.000 kW BPH-20090513ACA	128.9 201 M	169.0	-40.1
	Bas Broadcasting, Inc.						
CBEF1F	OPE 276A 42 06 46.0	Leamington 82 39 52.0	ON CN	98.2 1.000 kW	99.0 78 M	137.0	-38.0
WCPZ	LIC-D 274B 41 26 28.0	Sandusky 82 41 14.0	OH DCN	132.5 50.000 kW BLH-19901226KA	131.6 41 M	169.0	-37.4
	Bas Broadcasting, Inc.						
WMUZ	LIC 278B 42 22 40.0	Detroit 83 14 32.0	MI CN	73.5 50.000 kW BLH-19851223KG	52.2 142 M	74.0	-21.8
	WMUZ Radio, Inc.						
WQUS	LIC 276A 43 04 43.0	Lapeer 83 11 24.0	MI CX	30.0 2.600 kW BLH-20051130AIO	107.1 104 M	113.0	-5.9
	Regent Broadcasting of Flint						
WNDH	LIC 276A 41 18 00.0	Napoleon 84 09 22.0	OH CN	193.7 3.300 kW BMLH-19940617KA	108.1 91 M	113.0	-4.9
	CC Licenses, LLC						
NEW	OP D 272A 42 18 59.0	Windsor 83 02 58.0	ON DCN	83.0 3.300 kW 20071122CAN	66.4 74 M	69.0	-2.6
CJNR-FM	OP D 272A 42 17 50.0	Windsor 83 01 31.0	ON DCN	84.9 5.000 kW 20090216CA1	68.2 56 M	69.0	-0.8

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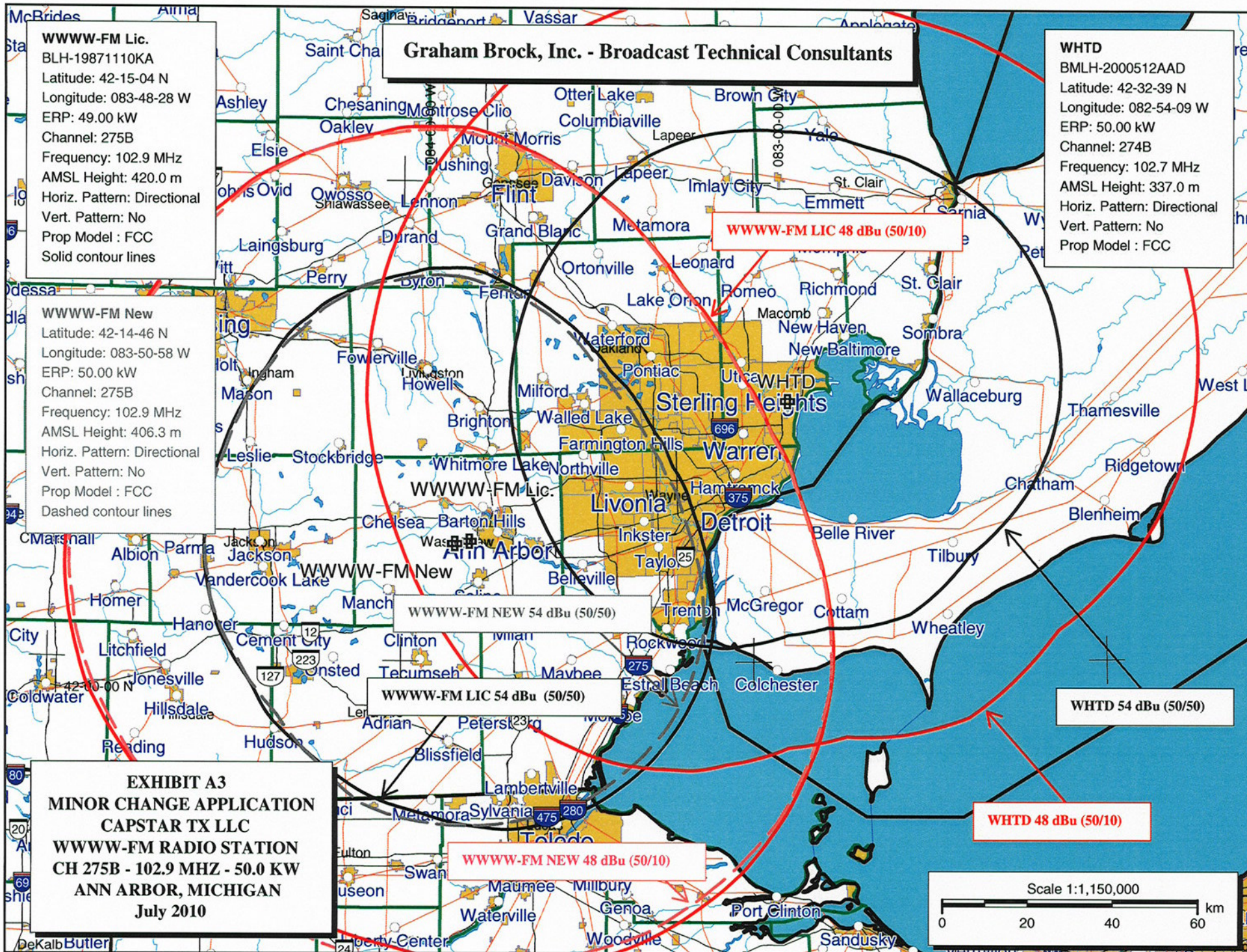
EXHIBIT A2 (continued)

REFERENCE
 42 14 46.0 N.
 83 50 58.0 W.

CLASS = B Int = B
 Current Spacings to 3rd Adj.
 ----- Channel 275 - 102.9 MHz -----

DISPLAY DATES
 DATA 07-17-10
 SEARCH 07-19-10

Call Lat.	Channel Lng.	Location Ant	Power	Azi HAAT	Dist	FCC	Margin
WBZV	LIC 273A 41 53 03.0	Hudson 84 31 24.0	CN 6.000 kW	MI 234.3 BLH-19950315KG	68.8 100 M	69.0	-0.24
WPOS-FM	LIC 272A 41 37 32.0	Holland 83 42 41.0	C 6.000 kW	OH 170.6 BMLED-20050317ACR	69.9 95 M	69.0	0.9
WDHT	LIC 275B 39 57 11.0	Urbana 83 52 07.0	CX 50.000 kW	OH 180.4 BLH-20090901AFM	254.7 150 M	241.0	13.7
WGL-FM	LIC-N 275A 40 55 33.0	Huntington 85 23 15.0	NCX 4.700 kW	IN 221.6 BLH-20050222ADR	194.8 91 M	178.0	16.8
WKJH-LP	LIC 278L1 41 27 44.0	Bryan 84 29 51.0		OH 211.8 0.100 kW BLL-20020604AAS	102.4 24 M	67.0	35.4
WMXD	LIC-Z 222B 42 19 55.0	Detroit 83 02 42.0	ZCN 45.000 kW	MI 81.5 BLH-19970303KA	67.0 146 M	20.0	47.0
WKFR-FM	LIC 277B 42 21 20.0	Battle Creek 85 20 28.0	CN 50.000 kW	MI 276.2 BLH-19980730KC	123.6 147 M	74.0	49.6
WGDN-FM	LIC 276C3 43 57 14.0	Gladwin 84 32 56.0	CX 11.500 kW	MI 343.6 BLH-20070905ACG	198.1 148 M	145.0	53.1
WYFM	LIC-N 275B 41 03 26.0	Sharon 80 38 22.0	NCX 33.000 kW	PA 115.3 BLH-20030702AAA	298.2 184 M	241.0	57.2
WCSR-FM	LIC 221A 41 55 41.0	Hillsdale 84 38 10.0	CN 6.000 kW	MI 241.7 BLH-19910918KB	74.1 74 M	15.0	59.1



WWWW-FM Lic.

BLH-19871110KA
Latitude: 42-15-04 N
Longitude: 083-48-28 W
ERP: 49.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 420.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC
Solid contour lines

WWWW-FM New

Latitude: 42-14-46 N
Longitude: 083-50-58 W
ERP: 50.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 406.3 m
Horiz. Pattern: Directional
Prop Model : FCC
Dashed contour lines

Graham Brock, Inc. - Broadcast Technical Consultants**WFUR-FM**

BLH-19890911KD
Latitude: 42-57-13 N
Longitude: 085-41-55 W
ERP: 50.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 365.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model : FCC

WFUR-FM 34 dBu (50/10)**WFUR-FM 54 dBu (50/50)****WWWW-FM LIC 54 dBu (50/50)****WWWW-FM NEW 54 dBu (50/50)****WWWW-FM NEW 34 dBu (50/10)****WWWW-FM LIC 34 dBu (50/10)**

EXHIBIT A4
MINOR CHANGE APPLICATION
CAPSTAR TX LLC
WWWW-FM RADIO STATION
CH 275B - 102.9 MHZ - 50.0 KW
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Scale 1:2,150,000



Graham Brock, Inc. - Broadcast Technical Consultants

WWWW-FM Lic.
BLH-19871110KA
Latitude: 42-15-04 N
Longitude: 083-48-28 W
ERP: 49.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 420.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC
Solid contour lines

WWWW-FM New
Latitude: 42-14-46 N
Longitude: 083-50-58 W
ERP: 50.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 406.3 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC
Dashed contour lines

WCPZ
BLH-19901226KA
Latitude: 41-26-28 N
Longitude: 082-41-14 W
ERP: 50.00 kW
Channel: 274B
Frequency: 102.7 MHz
AMSL Height: 227.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC
Solid contour lines

WCPZ CP
BPH-20090513ACA
Latitude: 41-23-48 N
Longitude: 082-47-31 W
ERP: 28.00 kW
Channel: 274B
Frequency: 102.7 MHz
AMSL Height: 393.4 m
Horiz. Pattern: Directional
Prop Model: None
Dashed contour lines

WWWW-FM LIC 48 dBu (50/10)

WWWW-FM NEW 48 dBu (50/10)

EXHIBIT A5
MINOR CHANGE APPLICATION
CAPSTAR TX LLC
WWWW-FM RADIO STATION
CH 275B - 102.9 MHz - 50.0 KW
ANN ARBOR, MICHIGAN
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WCPZ CP 48 dBu (50/10)

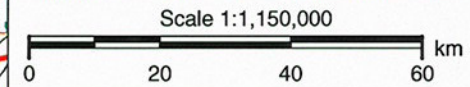
WCPZ 48 dBu (50/10)

WWWW-FM NEW 54 dBu (50/50)

WWWW-FM LIC 54 dBu (50/50)

WCPZ 54 dBu (50/50)

WCPZ CP 54 dBu (50/50)



Graham Brock, Inc. - Broadcast Technical Consultants

WWWW-FM Lic.
BLH-19871110KA
Latitude: 42-15-04 N
Longitude: 083-48-28 W
ERP: 49.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 420.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC
Solid contour lines

WWWW-FM New
Latitude: 42-14-46 N
Longitude: 083-50-58 W
ERP: 50.00 kW
Channel: 275B
Frequency: 102.9 MHz
AMSL Height: 406.3 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC
Dashed contour lines

CBEF-1-FM
Latitude: 42-06-46 N
Longitude: 082-39-52 W
ERP: 1.00 kW
Channel: 276A
Frequency: 103.1 MHz
AMSL Height: 266.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model : FCC

NEW
Latitude: 42-18-59 N
Longitude: 083-02-58 W
ERP: 3.30 kW
Channel: 272A
Frequency: 102.3 MHz
AMSL Height: 257.7 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model : FCC

CJNR-FM
Latitude: 42-17-50 N
Longitude: 083-01-31 W
ERP: 5.00 kW
Channel: 272A
Frequency: 102.3 MHz
AMSL Height: 238.0 m
Horiz. Pattern: Directional
Prop Model : FCC

WWWW-FM LIC 48 dBu (50/10)

WWWW-FM NEW 48 dBu (50/10)

CJNR-FM/NEW 54 dBu (50/50)

CJNR-FM/NEW 94 dBu (50/10)

WWWW-FM LIC 94 dBu (50/10)

WWWW-FM Lic.

WWWW-FM NEW 94 dBu (50/10)

WWWW-FM LIC 54 dBu (50/50)

WWWW-FM NEW 54 dBu (50/50)

CBEF-1-FM 54 dBu (50/50)

CBEF-1-FM 48 dBu (50/10)

EXHIBIT A6
MINOR CHANGE APPLICATION
CAPSTAR TX LLC
WWWW-FM RADIO STATION
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Scale 1:1,150,000
0 20 40 60 km

MINOR CHANGE APPLICATION
CAPSTAR TX LLC
WWW-FM RADIO STATION
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ANN ARBOR, MICHIGAN
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EXHIBIT A7

Predicted contour:

N. Lat. = 42 14 46 - Tabulated Protected and Interfering Contour Data
W. Lng. = 83 50 58 - WWW-FM Ann Arbor, Michigan

HAAT and Distance to Contour - NGDC 30 Second terrain database									
Azi.	AV EL	HAAT	ERP kW	dBk	Field	54-F5	34-F1	48-F1	94-F1
000	277.9	128.3	50.0000	16.99	1.000	61.89	168.54	95.58	7.78
010	274.0	132.2	38.7200	15.88	0.880	60.03	163.00	92.09	7.41
020	271.0	135.2	29.2613	14.66	0.765	57.84	156.48	88.23	7.00
030	274.8	131.4	23.4613	13.70	0.685	55.27	149.88	84.36	6.55
040	279.4	126.8	18.6050	12.70	0.610	52.50	143.34	80.20	6.08
050	281.0	125.2	16.8200	12.26	0.580	51.37	140.80	78.46	5.90
060	272.3	133.9	14.5800	11.64	0.540	51.31	138.80	77.76	5.86
070	269.3	136.9	14.8513	11.72	0.545	51.91	139.64	78.51	5.95
080	264.7	141.5	16.8200	12.26	0.580	53.66	143.12	81.00	6.24
090	263.2	143.0	21.1250	13.25	0.650	55.94	149.00	84.53	6.64
100	260.0	146.2	28.1250	14.49	0.750	59.00	157.27	89.22	7.20
110	257.5	148.7	37.8450	15.78	0.870	62.15	165.01	94.09	7.82
120	255.8	150.4	45.1250	16.54	0.950	64.10	169.50	97.11	8.24
130	251.4	154.8	50.0000	16.99	1.000	65.70	172.61	99.40	8.60
140	246.4	159.8	50.0000	16.99	1.000	66.32	173.32	100.08	8.76
150	242.2	164.0	50.0000	16.99	1.000	66.83	173.92	100.65	8.89
160	247.4	158.8	50.0000	16.99	1.000	66.21	173.19	99.95	8.73
170	251.7	154.5	50.0000	16.99	1.000	65.66	172.57	99.36	8.59
180	256.0	150.2	50.0000	16.99	1.000	65.09	171.93	98.76	8.46
190	259.2	147.0	50.0000	16.99	1.000	64.65	171.44	98.30	8.36
200	264.7	141.5	50.0000	16.99	1.000	63.87	170.60	97.51	8.18
210	274.3	131.9	40.5000	16.07	0.900	60.41	164.03	92.74	7.48
220	284.2	122.0	39.6050	15.98	0.890	58.71	161.93	90.90	7.19
230	293.0	113.2	40.5000	16.07	0.900	57.52	161.03	89.88	6.98
240	295.9	110.3	42.7813	16.31	0.925	57.52	161.86	90.28	6.98
250	290.9	115.3	41.8613	16.22	0.915	58.18	162.19	90.74	7.10
260	287.5	118.7	40.0513	16.03	0.895	58.32	161.68	90.58	7.12
270	281.5	124.7	36.9800	15.68	0.860	58.47	160.70	90.24	7.14
280	278.5	127.7	33.2113	15.21	0.815	57.92	158.52	89.04	7.03
290	277.9	128.3	32.8050	15.16	0.810	57.90	158.31	88.94	7.02
300	272.6	133.6	32.0000	15.05	0.800	58.44	158.54	89.35	7.11
310	273.9	132.3	36.5513	15.63	0.855	59.49	161.62	91.20	7.31
320	276.8	129.4	44.1800	16.45	0.940	60.87	165.74	93.75	7.57
330	273.8	132.4	49.0050	16.90	0.990	62.33	168.70	95.87	7.86
340	266.4	139.8	47.5313	16.77	0.975	63.13	169.14	96.46	8.02
350	275.2	131.0	50.0000	16.99	1.000	62.31	168.97	95.99	7.86

AMSL= 406.2 M