

**MINOR CHANGE APPLICATION**  
**RADIO POWER, INC.**  
**W276BH FM TRANSLATOR STATION**  
**CH 276D - 103.1 MHZ - 0.250 KW**  
**BYHALIA, MISSISSIPPI**  
**March 2011**

**EXHIBIT B**

As indicated, the proposed operation of W276BH with an effective radiated power of 0.25 kilowatt at 10.7 meters above ground level will not cause interference to any existing, applied for, or proposed facility, as noted on Exhibit B1. However, the proposed W276BH site is inside the 60 dBu contour of second adjacent stations WRBO, Channel 278C1, Como, Mississippi and WEGR, Channel 274C1, Arlington, Tennessee. Due to the relationship between W276BH and WRBO and WEGX, a 40 dB ratio of the protected and interfering contours applies. As the signal levels of WRBO and WEGR are above 60 dBu at the proposed tower site for W276BH, we applied the 40 dB ratio to the contours of WRBO and WEGX, based on the relevant protected contours at the proposed translator site. A map showing the relative contours of WRBO and WEGX at the proposed W276BH site is attached as Exhibit B2.

The signal of WRBO at the proposed W276BH site is 84.4 dBu (50/50). As such, the interfering contour of the translator would need to be above 124.4 dBu (50/10) to cause interference to WRBO. The 124.4 dBu contour of the proposed W276BH translator extends 0.07 kilometer (229 feet) from the translator antenna. The proposed W276BH site is located in a unpopulated area. As such, WRBO will not receive interference from the proposed translator.

The signal of WEGR at the proposed W276BH site is 73.9 dBu (50/50). As such, the interfering contour of the translator would need to be above 113.9 dBu (50/10) to cause interference to WEGR. The 113.9 dBu contour of the proposed W276BH translator extends 0.22 kilometer (721 feet) from the translator antenna. The proposed W276BH site is located in a unpopulated area. As such, WEGR will not receive interference from the proposed translator.

Based on the foregoing, it is believed that the proposed W276BH facility is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed, one is respectfully requested.

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**EXHIBIT B1**

**Interference Review for W276BH, Byhalia, Missouri**  
**Using Proposed Site as Reference**

REFERENCE		CH# 276D - 103.1 MHz, Pwr= 0.25 kW, HAAT= -22.7 M, COR= 89.9 M								DISPLAY DATES	
34 55 12.0 N.		Average Protected F(50-50)= 7.1 km								DATA 03-05-11	
89 40 06.0 W.		Omni-directional								SEARCH 03-07-11	
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*
276D Byhalia	W276BH	CP	V MS	171.5 351.5	14.2 BPFT20101026ABW	34 47 35.2 89 38 42.4	0.250	28.7 159	8.6 Radio Power, Inc.	-21.5*	-18.2
278C1 Como	WRBO	LIC	CN MS	251.5 71.4	20.2 BLH19980617KC	34 51 44.0 89 52 42.0	100.000 179	7.8 275	61.9 Radio License Holding Cbc,	5.4	-42.8*<
276C2 Jackson	WMXX-FM	LIC	C TN	48.8 229.3	105.9 BLH20040315AAU	35 32 39.0 88 47 18.0	42.000 164	133.5 296	50.3 Gerald W. Hunt	-34.7*<	31.9
274C1 Arlington	WEGR	LIC	CX TN	346.0 165.9	40.7 BLH20061114ACK	35 16 33.0 89 46 38.0	100.000 287	9.7 379	70.5 Cc Licenses, Llc	23.9	-30.9*<
276C3 Helena	KFFA-FM	LIC	NCN AR	243.9 63.3	98.2 BLH19940902KG	34 31 39.0 90 37 46.0	13.000 97	99.0 152	33.2 Delta Broadcasting, Inc.	-7.9*<	41.2
275C3 Saltillo	WWMR	LIC	CX MS	118.5 299.1	117.9 BLH20080814AAX	34 24 33.0 88 32 24.0	12.500 142	57.1 253	37.9 Flinn Iii, George S	53.8	69.9

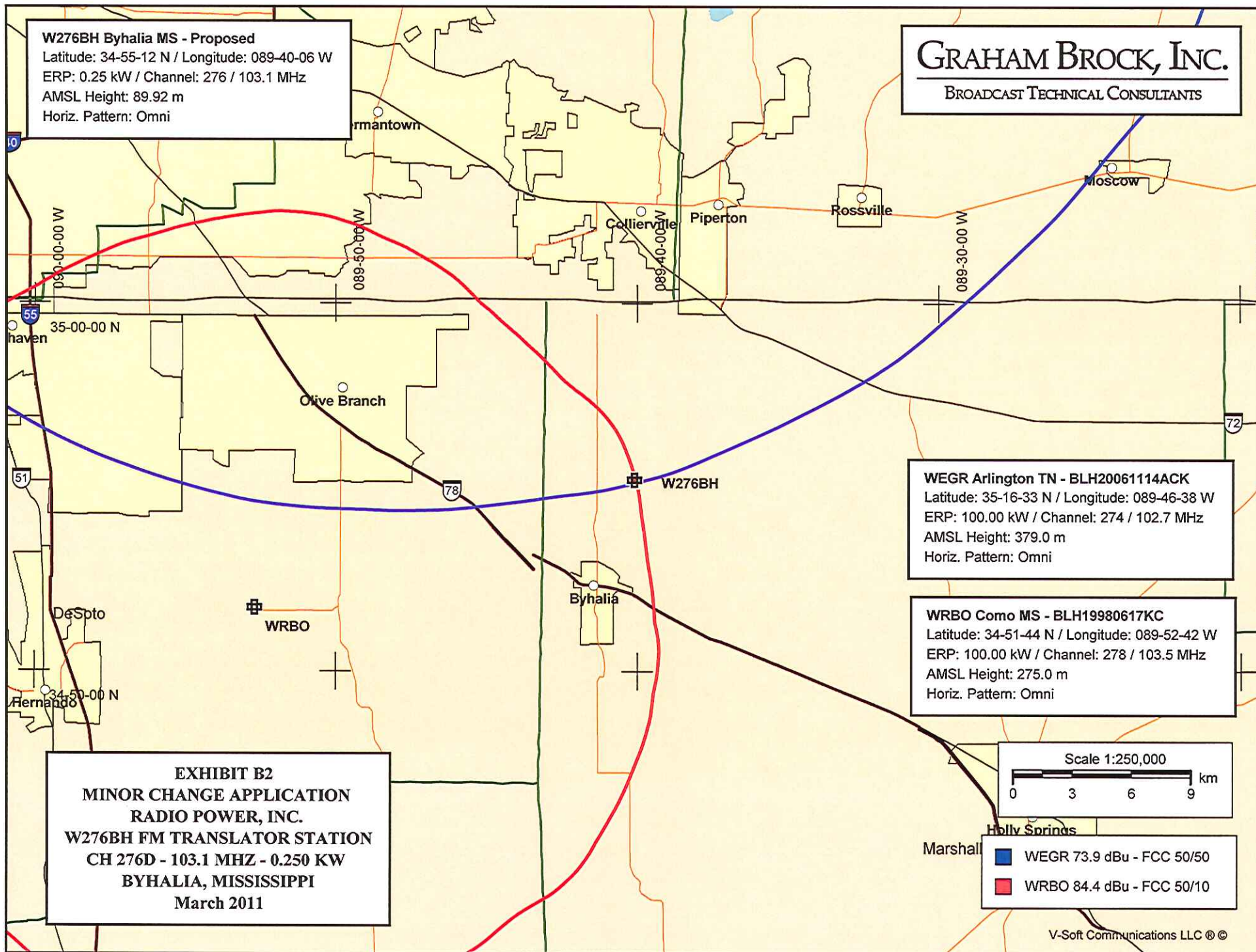
Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3<sup>rd</sup>  
adjacent.

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.

< = Contour Overlap

**W276BH Byhalia MS - Proposed**  
Latitude: 34-55-12 N / Longitude: 089-40-06 W  
ERP: 0.25 kW / Channel: 276 / 103.1 MHz  
AMSL Height: 89.92 m  
Horiz. Pattern: Omni

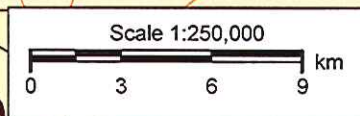
**GRAHAM BROCK, INC.**  
BROADCAST TECHNICAL CONSULTANTS



**WEGR Arlington TN - BLH20061114ACK**  
Latitude: 35-16-33 N / Longitude: 089-46-38 W  
ERP: 100.00 kW / Channel: 274 / 102.7 MHz  
AMSL Height: 379.0 m  
Horiz. Pattern: Omni

**WRBO Como MS - BLH19980617KC**  
Latitude: 34-51-44 N / Longitude: 089-52-42 W  
ERP: 100.00 kW / Channel: 278 / 103.5 MHz  
AMSL Height: 275.0 m  
Horiz. Pattern: Omni

**EXHIBIT B2**  
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Legend:  
Blue line: WEGR 73.9 dBu - FCC 50/50  
Red line: WRBO 84.4 dBu - FCC 50/10