

**Engineering Statement
In Support of an
Application for a Construction Permit
W237CG Proposed Channel Change, Odenville, AL
W237CG Interference Study on Channel 291**

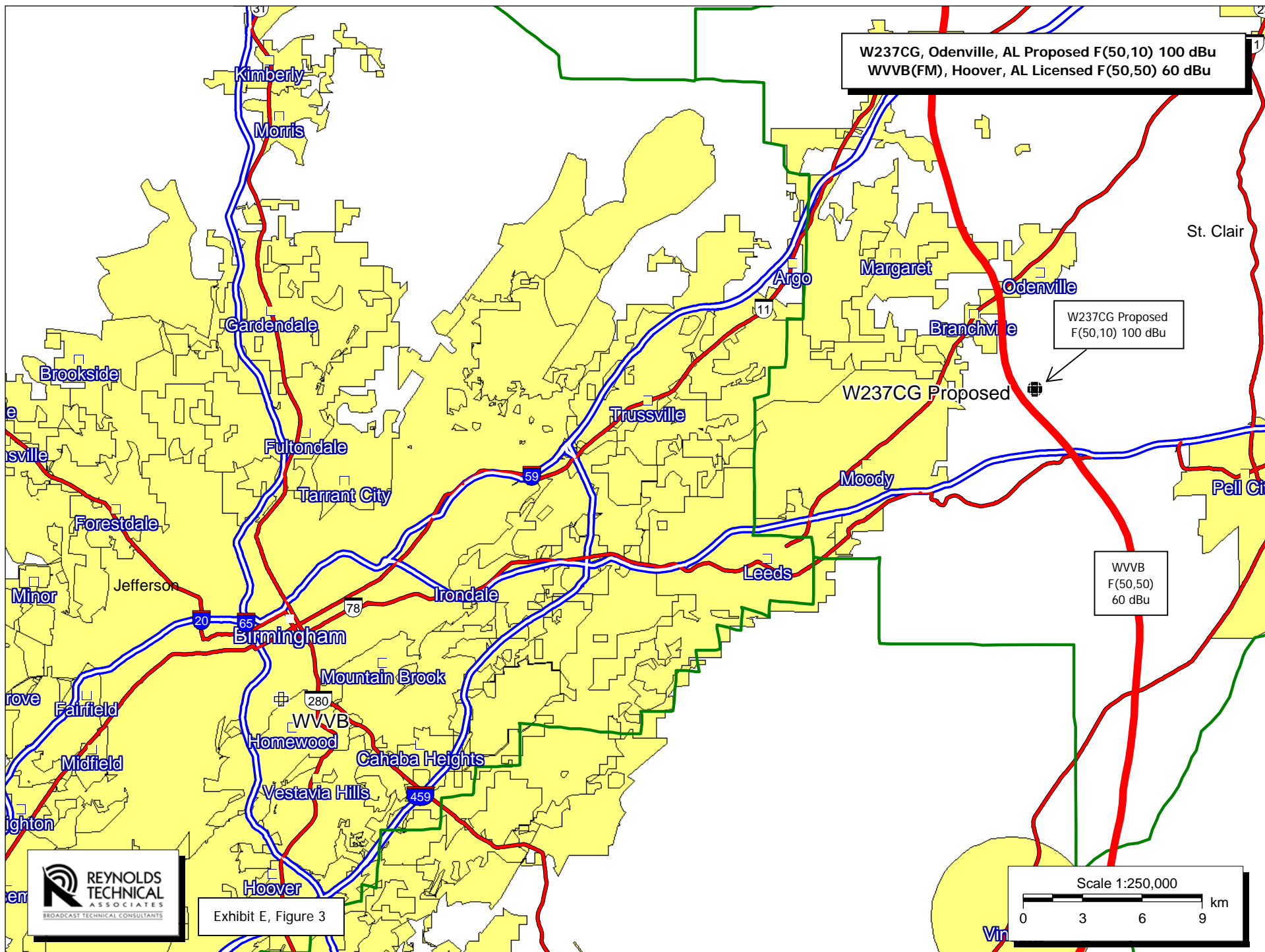
REFERENCE	CH# 291D - 106.1 MHz, Pwr= 0.01 kW, COR= 436 M	DISPLAY DATES
33 37 28.0 N.	Average Protected F(50-50)= 6.4 km	DATA 04-11-09
86 24 00.0 W.	Standard Directional	SEARCH 04-28-09

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
288C2 Hoover	WVVB	LIC ZCX AL	247.7 67.5	40.86 BLH20050829ACX	33 29 04.0 86 48 25.0	29.500 190	4.1 383	40.1 Capstar Tx Limited Partner	0.68
293D Leeds	644106	APP C AL	229.5 49.4	18.40 BNPFT20030317EWE	33 31 00.6 86 33 02.9	0.010	0.2 341	5.3 Radio Assist Ministry, Inc	13.02
293D Pinson	644136	APP C AL	298.9 118.8	24.59 BNPFT20030317EWQ	33 43 51.6 86 37 57.0	0.010	0.2 617	10.7 Radio Assist Ministry, Inc	13.70
293D Ashville	643970	APP C AL	19.1 199.2	24.00 BNPFT20030317ESL	33 49 43.6 86 18 53.1	0.027	0.4 256	4.5 Radio Assist Ministry, Inc	19.26
289D Lincoln	651561	APP C AL	98.8 279.0	27.63 BNPFT20030317MBW	33 35 10.0 86 06 21.0	0.013	0.3 278	7.0 R & L Non-comm	20.43
292D Birmingham	644008	APP C AL	251.5 71.3	38.81 BNPFT20030317EUE	33 30 48.6 86 47 47.0	0.038	6.3 220	4.4 Radio Assist Ministry, Inc	25.40
291C1 Alexander City	WSTH-FM	LIC CN AL	137.9 318.4	129.28 BLH19950410KB	32 45 30.0 85 28 20.0	86.000 319	170.0 544	72.0 Cc Licenses, Llc	29.61
293D Birmingham	643999	APP C AL	247.5 67.3	40.79 BNPFT20030317EUA	33 29 01.6 86 48 21.0	0.010	0.2 601	11.0 Radio Assist Ministry, Inc	29.68

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = . With 3rd Adj Channels.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
Incoming contour overlap is ignored.

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

"<" = Contour Overlap



W237CG, Odenville, AL Proposed F(50,10) 100 dBu
WVVB(FM), Hoover, AL Licensed F(50,50) 60 dBu
(Zoomed View)

W237CG Proposed

W237CG Proposed
F(50,10) 100 dBu

WVVB
F(50,50)
60 dBu



Exhibit E, Figure 4

