

**Engineering Statement
In Support of an
Application for a Construction Permit
WJRL-FM, Channel 263C3, Slocumb, AL**

WJRL-FM Channel Spacing Study

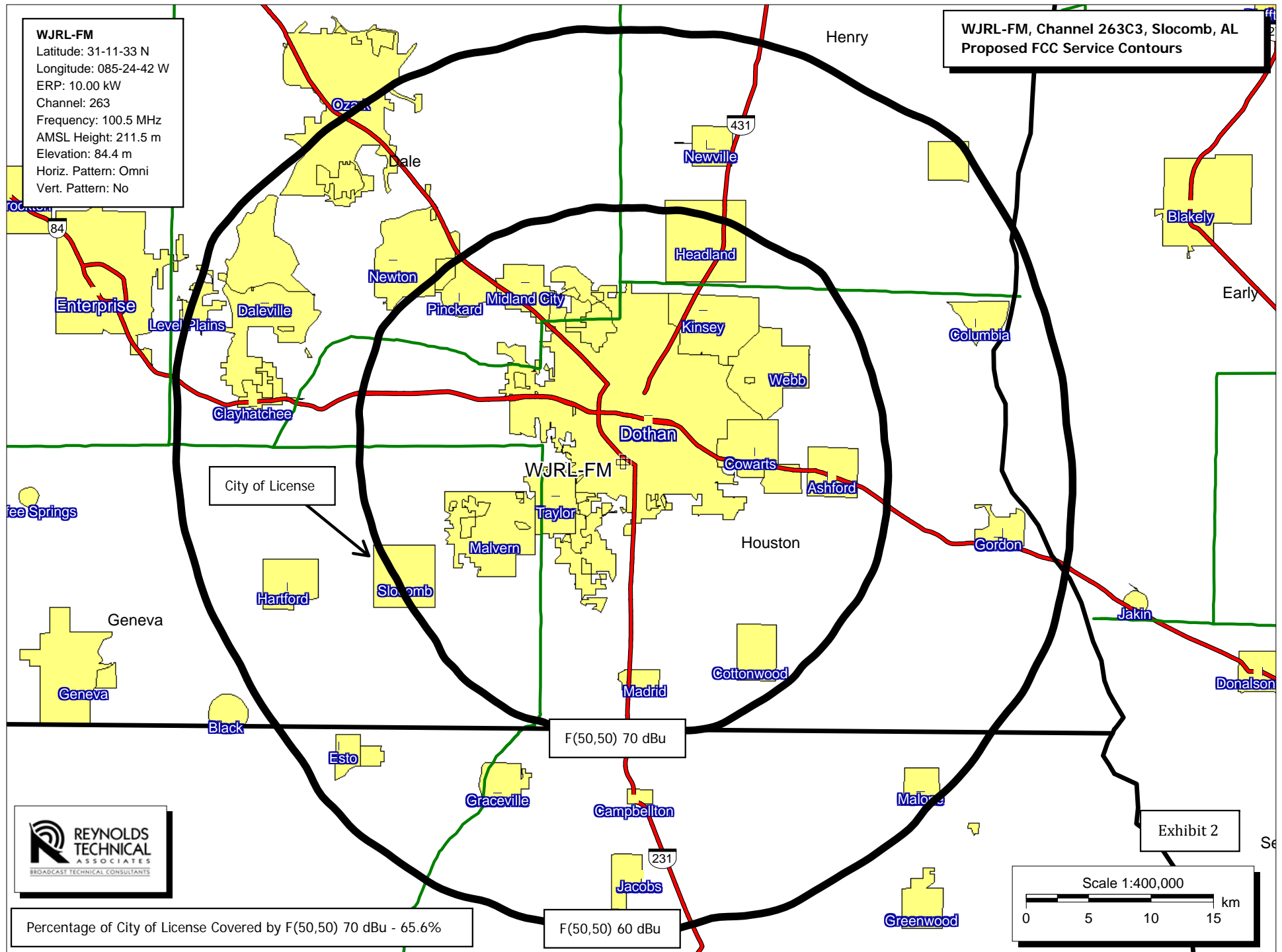
REFERENCE					DISPLAY DATES			
31 11 33.0 N.	CLASS = C3				DATA	05-01-13		
85 24 42.0 W.	Current Spacings to 3rd Adj.				SEARCH	05-01-13		
----- Channel 263 - 100.5 MHz -----								
Call	Channel	Location		Azi	Dist	FCC	Margin	

WJRL-FM	LIC-Z	263C3	Slocumb	AL	153.8	1.13	152.5	-151.4
Of no concern: Licensed coordinates of WJRL-FM.								
WOBB	LIC	262C0	Tifton	GA	80.0	160.11	162.5	-2.4
Of concern: Protection afforded via §73.215.								
WAOQ	RSV-A	262A	Brantley	AL	306.5	91.57	88.5	3.1
WJAQ	LIC	265A	Marianna	FL	161.8	47.73	41.5	6.2
WAOQ	LIC	262A	Brantley	AL	306.9	95.71	88.5	7.2
WAOQ	APP-Z	262A	Brantley	AL	306.9	95.71	88.5	7.2
WVVL	LIC	266A	Elba	AL	295.2	57.47	41.5	16.0
WOYS	LIC	263C3	Apalachicola	FL	162.7	169.42	152.5	16.9
WFLA-FM	LIC	264C3	Midway	FL	125.7	132.67	98.5	34.2
WCOA-FM	LIC	264C	Pensacola	FL	253.7	223.01	175.5	47.5

RSV-R = reserved - needs protection, RSV-A = allocation. All separation margins include rounding								

WJRL-FM
Latitude: 31-11-33 N
Longitude: 085-24-42 W
ERP: 10.00 kW
Channel: 263
Frequency: 100.5 MHz
AMSL Height: 211.5 m
Elevation: 84.4 m
Horiz. Pattern: Omni
Vert. Pattern: No

WJRL-FM, Channel 263C3, Slocomb, AL
Proposed FCC Service Contours



WJRL-FM

Latitude: 31-11-33 N
Longitude: 085-24-42 W
ERP: 10.00 kW
Channel: 263
Frequency: 100.5 MHz
AMSL Height: 211.5 m
HAAT: 132.3 m
Horiz. Pattern: Omni
Vert. Pattern: No

WOBB

BMLH20060308ACZ
Latitude: 31-25-51 N
Longitude: 083-45-10 W
ERP: 100.00 kW
Channel: 262
Frequency: 100.3 MHz
AMSL Height: 558.0 m
HAAT: 450.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

WJRL-FM, Channel 263C3, Slolcomb, AL
WOBB(FM), Channel 262C0, Tifton, GA
Protected and Interfering FCC Contours

WJRL-FM
F(50,50) 60 dBu

WJRL-FM
F(50,10) 54 dBu

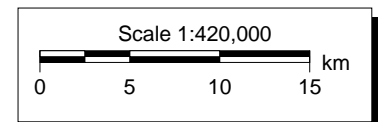
WOBB(FM)
F(50,50) 60 dBu

WOBB(FM)
F(50,10) 54 dBu

WJRL-FM



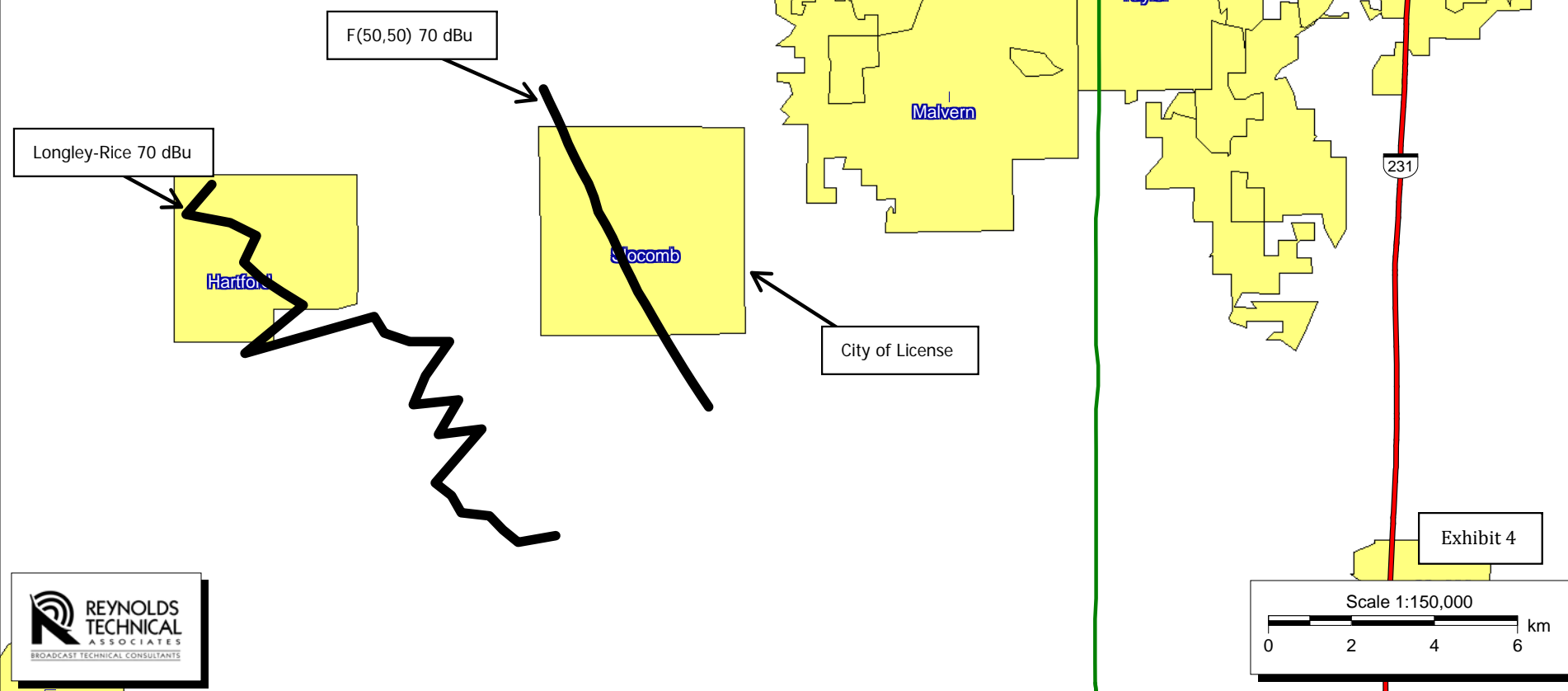
Exhibit 3



WJRL-FM

Latitude: 31-11-33 N
Longitude: 085-24-42 W
ERP: 10.00 kW
Channel: 263
Frequency: 100.5 MHz
AMSL Height: 211.5 m
Elevation: 84.4 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 9.1 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

WJRL-FM, Channel 263C3, Slocumb, AL
F(50,50) and Longley-Rice 70 dBu
Contour Comparison

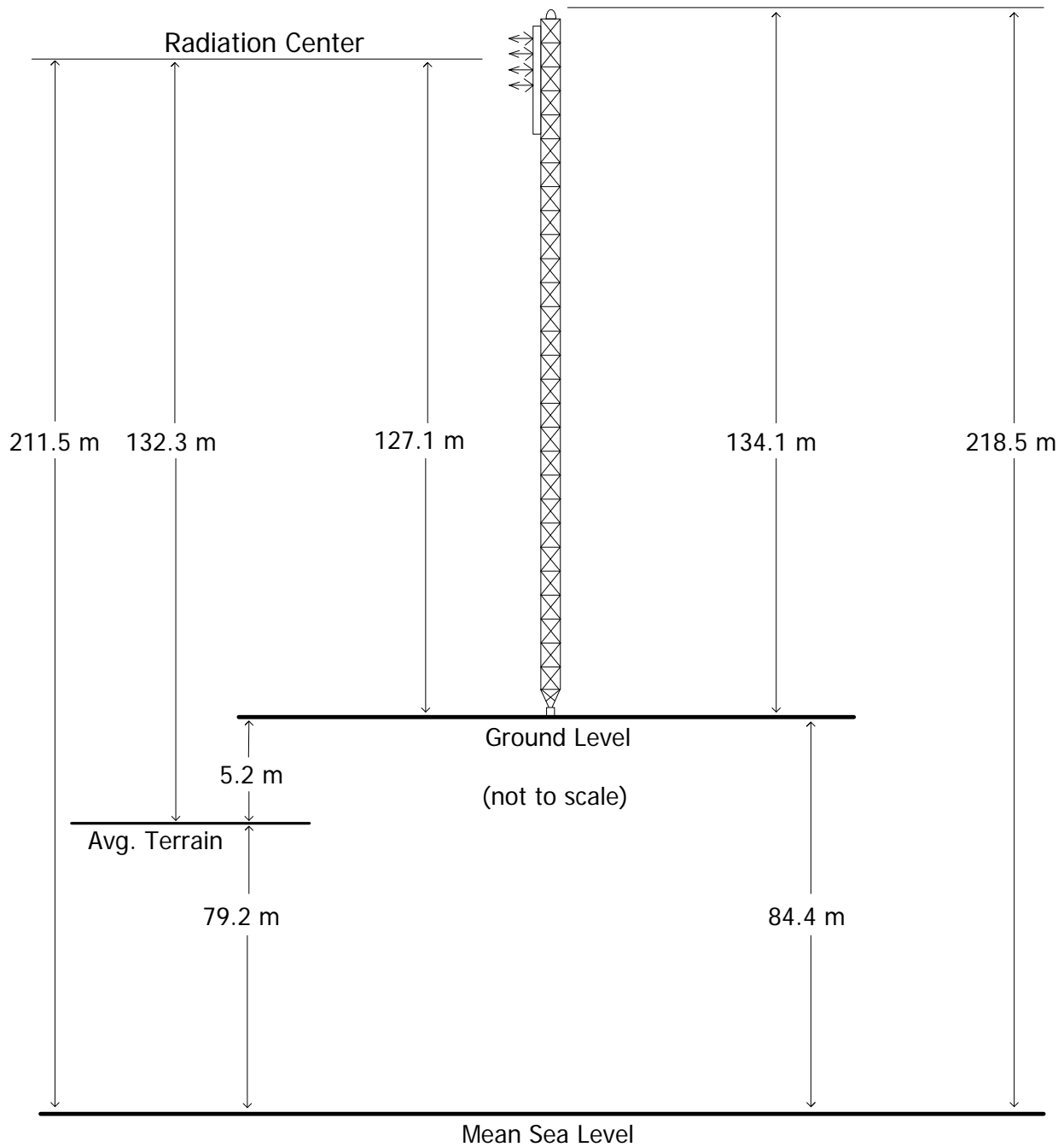


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**WJRL-FM F(50,50)/Longley-Rice 70 dBu Contour Comparison Study
(Showing at Least a 10% Difference Between the Contours)**

<u>Azimuth</u>	<u>Distance to Longley-Rice 70 dBu Contour</u>	<u>Distance to F(50,50) 70 dBu Contour</u>	<u>Percent Difference</u>
230.0	25.6	20.8	23.1%
231.0	26.4	20.8	26.9%
232.0	26.5	20.7	28.0%
233.0	26.5	20.7	28.0%
234.0	27.0	20.7	30.4%
235.0	27.0	20.6	31.1%
236.0	27.1	20.6	31.6%
237.0	25.5	20.6	23.8%
238.0	26.5	20.6	28.6%
239.0	25.6	20.6	24.3%
240.0	26.6	20.5	29.8%
241.0	26.0	20.5	26.8%
242.0	25.1	20.5	22.4%
243.0	26.0	20.5	26.8%
244.0	26.4	20.5	28.8%
245.0	26.5	20.5	29.3%
246.0	29.6	20.4	45.1%
247.0	27.9	20.4	36.8%
248.0	28.3	20.5	38.0%
249.0	28.6	20.5	39.5%
250.0	28.9	20.5	41.0%
251.0	28.4	20.6	37.9%
252.0	28.9	20.6	40.3%
253.0	29.8	20.6	44.7%
254.0	29.0	20.7	40.1%

**WJRL-FM, Slocomb, AL
Tower Vertical Sketch**



NAD 27
Site Coordinates:
31° 11' 33"
85° 24' 42"