

FM Channel Study

KILGORE BROADCAST MAINTENANCE

Page No 1

FILE: Mon206C.D03 Partnership Tower 90.000kW 302mEASL
 FCC DATABASE: 20060217 Montgomery, AL LATITUDE: 32-24-13
 DATE: 03-23-2006 CH 206C1 Cleared by 60 km LONGITUDE: 86-11-47

Call City of License ST hERPkW hAMSL hEAH Latitude AzTo Dist-km
 Auth Channel Freq Updated vERPkW vAMSL vEAH Longitude AzFr Req-km
 File# Owner AppID FacID Clrd-km

WLJR BIRMINGHAM AL 0.000 0 0 33-23-51N 338.5 118.5
 LIC 203A 88.5 US 0.200 386 184 86-39-41W 158.5 73.8
 BLED-980304KG BRIARWOOD PRESBYTERIAN CHURCH 263124 6804 44.7 CLOSE
 Dist= 0
 Prop 90.000kW 320mEASL 60.0dBuF(50,50) 72.86km +
 WLJR 0.200kW 212mEASL 100.0dBuF(50,10) 0.99km = 73.85km
 WLJR 0.200kW 212mEASL 60.0dBuF(50,50) 18.01km +
 Prop 90.000kW 320mEASL 100.0dBuF(50,10) 9.88km = 27.89km

WLJR BIRMINGHAM AL 0.000 0 0 33-23-51N 338.5 118.5
 CP 203A 88.5 US 0.370 385 183 86-39-41W 158.5 74.2
 BPED-050628AA BRIARWOOD PRESBYTERIAN CHURCH 1069021 6804 44.3 CLOSE
 Dist= 0
 Prop 90.000kW 320mEASL 60.0dBuF(50,50) 72.86km +
 WLJR 0.370kW 211mEASL 100.0dBuF(50,10) 1.35km = 74.21km
 WLJR 0.370kW 211mEASL 60.0dBuF(50,50) 20.98km +
 Prop 90.000kW 320mEASL 100.0dBuF(50,10) 9.88km = 30.87km

WTMQ LUMPKIN GA 10.000 224 100 32-04-07N 106.5 130.8
 CP 203C3 88.5 US 10.000 224 100 84-51-55W 286.5 75.5
 BPED-970818MB SPANISH CULTURAL EDUCATION, IN 432321 88005 55.3 CLOSE
 Dist= 0
 Dir Ant = @ 0.0 Deg
 Prop 90.000kW 310mEASL 60.0dBuF(50,50) 72.06km +
 WTMQ 10.000kW 124mEASL 100.0dBuF(50,10) 3.44km = 75.50km
 WTMQ 10.000kW 124mEASL 60.0dBuF(50,50) 35.20km +
 Prop 90.000kW 310mEASL 100.0dBuF(50,10) 9.88km = 45.08km
 Station DAAzim RotateANT Azim BEARFM PwrRatio RadialERP

WELL-FM DADEVILLE AL 0.000 0 0 32-51-20N 38.2 63.8
 LIC 204C1 88.7 US 100.000 279 93 85-46-31W 218.2 60.5
 BLED-950215KA TIGER COMMUNICATIONS EDUCATION 206526 64562 3.3 CLOSE
 Dist= 0
 Dir Ant = ODD ODD910612ME @ 0.0 Deg
 ----- PROPOSED ANTENNA DIRECTIONAL WITH < 17.957kW @ 38.2 DEGREES -----
 Prop 17.957kW 281mEASL 60.0dBuF(50,50) 54.16km +
 WELL-F 100.000kW 119mEASL 100.0dBuF(50,10) 6.38km = 60.54km
 WELL-F 100.000kW 119mEASL 60.0dBuF(50,50) 54.08km +
 Prop 17.957kW 281mEASL 100.0dBuF(50,10) 5.93km = 60.01km

FM Channel Study

KILGORE BROADCAST MAINTENANCE

Page No 2

367mRCAMSL

FILE: Mon206C.D03

Partnership Tower

90.000kW 302mEAH

FCC DATABASE: 20060217

Montgomery, AL

LATITUDE: 32-24-13

DATE: 03-23-2006

CH 206C1 Cleared by 60 km

LONGITUDE: 86-11-47

Call	City of License	ST	hERPkW	hAMSL	hEAH	Latitude	AzTo	Dist-km
Auth	Channel Freq	Updated	vERPkW	vAMSL	vEAH	Longitude	AzFr	Req-km
File#	Owner					AppID	FacID	Clrd-km

980108M	MONROEVILLE	AL	50.000	201	100	31-28-56N	224.3	142.7
APP	205C3	88.9	US	50.000	201	100	87-15-01W	44.3
BPED-980108MG			OKALOOSA PUBLIC RADIO, INC.			260162	89620	1.3 CLOSE
Dist= 0								

Dir Ant = @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH < 61.875kW @ 224.3 DEGREES -----

Prop	61.875kW	302mEAH	60.0dBuF(50,50)	67.65km +
980108	50.000kW	89mEAH	54.0dBuF(50,10)	67.67km = 135.32km
980108	50.000kW	89mEAH	60.0dBuF(50,50)	42.85km +
Prop	61.875kW	302mEAH	54.0dBuF(50,10)	98.51km = 141.36km
Station	DAAzim	RotateANT	Azim	BEARFM PwrRatio RadialERP

970915M	MONROEVILLE	AL	50.000	209	122	31-25-16N	212.8	129.6
APP	205C2	88.9	US	50.000	209	122	86-56-22W	32.8
BPED-980226MD			AMERICAN FAMILY ASSOCIATION			262854	88283	5.3 CLOSE
Dist= 0								

Dir Ant = @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH < 28.474kW @ 212.8 DEGREES -----

Prop	28.474kW	303mEAH	60.0dBuF(50,50)	59.93km +
970915	17.988kW	118mEAH	54.0dBuF(50,10)	56.32km = 116.25km
970915	17.988kW	118mEAH	60.0dBuF(50,50)	36.54km +
Prop	28.474kW	303mEAH	54.0dBuF(50,10)	87.72km = 124.26km
Station	DAAzim	RotateANT	Azim	BEARFM PwrRatio RadialERP

980108M	MONROEVILLE	AL	50.000	202	100	31-28-56N	224.3	142.7
APP	205C3	88.9	US	50.000	202	100	87-15-01W	44.3
BPED-980108MG			OKALOOSA PUBLIC RADIO, INC.			587598	89620	1.1 CLOSE
Dist= 0								

Dir Ant = @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH < 61.875kW @ 224.3 DEGREES -----

Prop	61.875kW	302mEAH	60.0dBuF(50,50)	67.65km +
980108	50.000kW	90mEAH	54.0dBuF(50,10)	67.88km = 135.53km
980108	50.000kW	90mEAH	60.0dBuF(50,50)	43.05km +
Prop	61.875kW	302mEAH	54.0dBuF(50,10)	98.51km = 141.56km
Station	DAAzim	RotateANT	Azim	BEARFM PwrRatio RadialERP

WMFT	TUSCALOOSA	AL	0.000	0	0	33-20-19N	313.6	150.3
LIC	205C1	88.9	US	100.000	294	159	87-21-32W	133.6
BLED-050513AA			THE MOODY BIBLE INSTITUTE OF C			1087797	83088	1.1 CLOSE
Dist= 0								

Dir Ant = ERI P300-4B-DA. FO @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH < 80.213kW @ 313.6 DEGREES -----

Prop	80.213kW	319mEAH	60.0dBuF(50,50)	71.41km +
WMFT	37.368kW	123mEAH	54.0dBuF(50,10)	69.39km = 140.80km
WMFT	37.368kW	123mEAH	60.0dBuF(50,50)	45.57km +
Prop	80.213kW	319mEAH	54.0dBuF(50,10)	103.66km = 149.23km

FM Channel Study

KILGORE BROADCAST MAINTENANCE

Page No 3

367mRCAMSL

FILE: Mon206C.D03 Partnership Tower 90.000kW 302mEAH
 FCC DATABASE: 20060217 Montgomery, AL LATITUDE: 32-24-13
 DATE: 03-23-2006 CH 206C1 Cleared by 60 km LONGITUDE: 86-11-47

Call City of License ST hERPkW hAMSL hEAH Latitude AzTo Dist-km
 Auth Channel Freq Updated vERPkW vAMSL vEAH Longitude AzFr Req-km
 File# Owner AppID FacID Clrd-km

WKEU-FM THE ROCK GA 5.000 466 233 32-59-11N 69.4 183.5
 LIC 205C2 88.9 US 5.000 466 233 84-21-56W 249.4 140.3
 BLED-991215AB GEORGIA FOUNDATION OF PUBLIC B 428784 23908 43.2 CLOSE
 Dist= 0

Dir Ant = JAM JMPC-2D DA @ 0.0 Deg

Prop 90.000kW 301mEAH 60.0dBuF(50,50) 71.38km +
 WKEU-F 5.000kW 189mEAH 54.0dBuF(50,10) 54.14km = 125.52km
 WKEU-F 5.000kW 189mEAH 60.0dBuF(50,50) 36.44km +
 Prop 90.000kW 301mEAH 54.0dBuF(50,10) 103.81km = 140.25km
 Station DAAzim RotateANT Azim BEARFM PwrRatio RadialERP

WLBF MONTGOMERY AL 100.000 227 164 32-24-13N 319.5 0.1
 LIC 206C1 89.1 US 100.000 227 164 86-11-50W 139.5 228.9
 BLED-900209KC FAITH BROADCASTING, INC 145010 43643 -228.8 SHORT
 Dist= 0

Dir Ant = ODD ODD900209KC @ 0.0 Deg

Prop 90.000kW 319mEAH 60.0dBuF(50,50) 72.78km +
 WLBF 100.000kW 157mEAH 40.0dBuF(50,10) 156.05km = 228.83km
 WLBF 100.000kW 157mEAH 60.0dBuF(50,50) 59.36km +
 Prop 90.000kW 319mEAH 40.0dBuF(50,10) 169.57km = 228.93km
 Station DAAzim RotateANT Azim BEARFM PwrRatio RadialERP

WKNG-FM HEFLIN AL 0.250 533 219 33-33-18N 28.4 145.2
 LIC 206A 89.1 US 0.250 533 219 85-27-25W 208.4 143.2
 BLED-050512AD COVENANT COMMUNICATIONS, INC. 1061697 92876 2.0 CLOSE
 Dist= 0

----- PROPOSED ANTENNA DIRECTIONAL WITH < 11.330kW @ 28.4 DEGREES -----

Prop 11.330kW 270mEAH 60.0dBuF(50,50) 49.31km +
 WKNG-F 0.250kW 166mEAH 40.0dBuF(50,10) 53.92km = 103.23km
 WKNG-F 0.250kW 166mEAH 60.0dBuF(50,50) 16.88km +
 Prop 11.330kW 270mEAH 40.0dBuF(50,10) 126.35km = 143.23km

WKNG-FM HEFLIN AL 0.000 0 0 33-40-52N 14.1 146.1
 APP 206C3 89.1 US 1.000 509 254 85-48-55W 194.1 144.8
 BPED-060118AA COVENANT COMMUNICATIONS, INC. 1108373 92876 1.3 CLOSE
 Dist= 0

Dir Ant = @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH < 7.155kW @ 14.1 DEGREES -----

Prop 7.155kW 293mEAH 60.0dBuF(50,50) 46.40km +
 WKNG-F 1.000kW 300mEAH 40.0dBuF(50,10) 85.93km = 132.33km
 WKNG-F 1.000kW 300mEAH 60.0dBuF(50,50) 31.22km +
 Prop 7.155kW 293mEAH 40.0dBuF(50,10) 113.62km = 144.84km
 Station DAAzim RotateANT Azim BEARFM PwrRatio RadialERP

FM Channel Study

KILGORE BROADCAST MAINTENANCE

Page No 4

FILE: Mon206C.D03 Partnership Tower 90.000kW 302mEASL
 FCC DATABASE: 20060217 Montgomery, AL LATITUDE: 32-24-13
 DATE: 03-23-2006 CH 206C1 Cleared by 60 km LONGITUDE: 86-11-47

Call City of License ST hERPkW hAMSL hEAH Latitude AzTo Dist-km
 Auth Channel Freq Updated vERPkW vAMSL vEAH Longitude AzFr Req-km
 File# Owner AppID FacID Clrd-km

```

WFSW PANAMA CITY FL 100.000 130 123 30-22-02N 173.5 227.3
LIC 206C1 89.1 US 100.000 130 123 85-55-29W 353.5 224.2
  BLED-951207KC FLORIDA STATE UNIVERSITY 217723 21798 3.1 CLOSE
  Dist= 0
  Prop 90.000kW 303mEASL 60.0dBuF(50,50) 71.53km +
  WFSW 100.000kW 123mEASL 40.0dBuF(50,10) 150.25km = 221.78km
  WFSW 100.000kW 123mEASL 60.0dBuF(50,50) 54.60km +
  Prop 90.000kW 303mEASL 40.0dBuF(50,10) 169.57km = 224.16km

WALN CARROLLTON AL 0.000 0 0 33-13-06N 296.9 199.5
LIC 207C2 89.3 US 9.500 291 213 88-05-46W 116.9 147.4
  BLED-951026KE AMERICAN FAMILY ASSOCIATION 215724 1539 52.1 CLOSE
  Dist= 0
  Prop 90.000kW 315mEASL 60.0dBuF(50,50) 72.47km +
  WALN 9.500kW 213mEASL 54.0dBuF(50,10) 64.39km = 136.85km
  WALN 9.500kW 213mEASL 60.0dBuF(50,50) 43.55km +
  Prop 90.000kW 315mEASL 54.0dBuF(50,10) 103.81km = 147.37km

980529M MONROEVILLE AL 3.000 228 132 31-53-28N 248.3 153.9
APP 207C2 89.3 US 3.000 228 132 87-42-45W 68.3 134.0
  BPED-980529MC CSN INTERNATIONAL 1048971 90846 19.9 CLOSE
  Dist= 0
  Prop 90.000kW 302mEASL 60.0dBuF(50,50) 71.50km +
  980529 3.000kW 164mEASL 54.0dBuF(50,10) 45.53km = 117.03km
  980529 3.000kW 164mEASL 60.0dBuF(50,50) 30.23km +
  Prop 90.000kW 302mEASL 54.0dBuF(50,10) 103.81km = 134.04km

WBFR BIRMINGHAM AL 0.000 0 0 33-29-02N 334.4 132.8
LIC 208A 89.5 US 0.100 398 205 86-48-35W 154.4 73.6
  BLED-881222KA FAMILY STATIONS, INC. 122044 20989 59.2 CLOSE
  Dist= 0
  Prop 90.000kW 321mEASL 60.0dBuF(50,50) 72.93km +
  WBFR 0.100kW 215mEASL 100.0dBuF(50,10) 0.70km = 73.63km
  WBFR 0.100kW 215mEASL 60.0dBuF(50,50) 15.04km +
  Prop 90.000kW 321mEASL 100.0dBuF(50,10) 9.88km = 24.92km

WRNF SELMA AL 0.000 0 0 32-32-50N 283.1 70.4
CP 208A 89.5 US 6.000 190 100 86-55-33W 103.1 68.6
  BPED-970630MA THE MOODY BIBLE INSTITUTE OF C 1040990 87367 1.8 CLOSE
  Dist= 0
  ----- PROPOSED ANTENNA DIRECTIONAL WITH < 52.390kW @ 283.1 DEGREES -----
  Prop 52.390kW 315mEASL 60.0dBuF(50,50) 66.81km +
  WRNF 6.000kW 82mEASL 100.0dBuF(50,10) 2.51km = 68.59km
  WRNF 6.000kW 82mEASL 60.0dBuF(50,50) 25.73km +
  Prop 52.390kW 315mEASL 100.0dBuF(50,10) 8.46km = 34.20km
  
```

FM Channel Study

KILGORE BROADCAST MAINTENANCE

Page No 5

FILE: Mon206C.D03 Partnership Tower 90.000kW 302mEASL
 FCC DATABASE: 20060217 Montgomery, AL LATITUDE: 32-24-13
 DATE: 03-23-2006 CH 206C1 Cleared by 60 km LONGITUDE: 86-11-47

Call City of License ST hERPkW hAMSL hEAH Latitude AzTo Dist-km
 Auth Channel Freq Updated vERPkW vAMSL vEAH Longitude AzFr Req-km
 File# Owner AppID FacID Clrd-km

WYFK COLUMBUS GA 50.000 313 134 32-40-03N 75.9 120.2
 LIC 208C2 89.5 US 50.000 313 134 84-57-19W 255.9 78.5
 BLED-870807KD BIBLE BROADCASTING NETWORK, IN 104286 5144 41.7 CLOSE
 Dist= 0
 Prop 90.000kW 314mEASL 60.0dBuF(50,50) 72.36km +
 WYFK 50.000kW 160mEASL 100.0dBuF(50,10) 6.14km = 78.50km
 WYFK 50.000kW 160mEASL 60.0dBuF(50,50) 53.37km +
 Prop 90.000kW 314mEASL 100.0dBuF(50,10) 9.88km = 63.26km

NEW ALEXANDER CITY AL 0.000 0 0 32-57-02N 18.1 63.8
 APP 209A 89.7 US 0.400 258 54 85-59-07W 198.1 62.5
 BNPED-991112AB JIMMY JARRELL COMMUNICATIONS F 421688 121797 1.3 CLOSE
 Dist= 0
 Dir Ant = @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH 35.156kW @ 18.1 DEGREES -----
 Prop 35.156kW 289mEASL 60.0dBuF(50,50) 61.14km +
 NEW 0.400kW 70mEASL 100.0dBuF(50,10) 1.40km = 62.54km
 NEW 0.400kW 70mEASL 60.0dBuF(50,50) 12.20km +
 Prop 35.156kW 289mEASL 100.0dBuF(50,10) 7.42km = 19.62km
 Station DAAzim RotateANT Azim BEARFM PwrRatio RadialERP

WQNR TALLASSEE AL 2.950 228 142 32-26-30N 83.5 37.9
 LIC 260A 99.9 US 2.950 228 142 85-47-45W 263.5 29.0
 BMLH-951006KC TIGER COMMUNICATIONS, INC. 215078 68310 8.9 CLOSE

WQNR TALLASSEE AL 0.000 0 0 32-26-30N 83.5 37.9
 USE 260A 99.9 US 0.000 0 0 85-47-45W 263.5 29.0
 - TIGER COMMUNICATIONS, INC. 288883 68310 8.9 CLOSE
 Docket# 92-196 Dist= 0

WQNR TALLASSEE AL 3.500 279 134 32-35-22N 62.7 45.0
 CP 260A 99.9 US 3.500 279 134 85-46-13W 242.7 29.0
 BPH-010618AA TIGER COMMUNICATIONS, INC. 627293 68310 16.0 CLOSE
 Dist= 0

**** END OF STUDY ****

FM Channel Study

Proposed 206C1 Protected Contour vs Other Interfering Contours



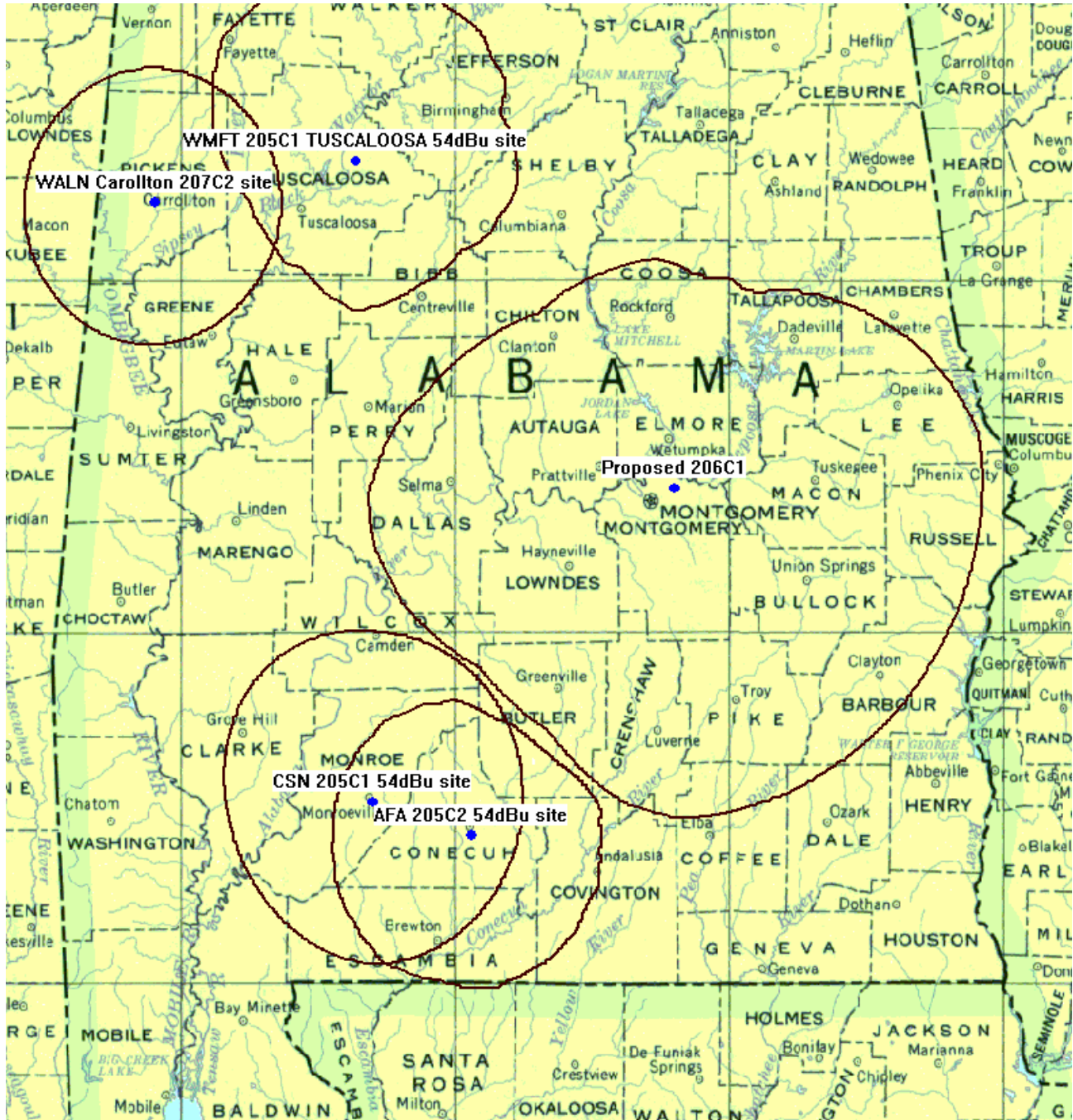
FM Channel Study

Proposed 206C1 40dBu Interfering Contour vs Other Co-Channel Protected Contours



FM Channel Study

Proposed 206C1 54dBu Interfering Contour vs Other 1st Adjacent Channel Protected Contours



FM Channel Study

Proposed 206C1 100dBu Interfering Contour vs Other 2nd & 3rd Adjacent Channel Protected Contours

