WEEL-LD FI 188702

Minor Modification: Change ASR, RCAMSL, ERP, Antenna Make and Model. No new construction, existing site.

Study created: 2022.01.03 15:22:28

Study build station data: LMS TV 2021-12-30

 Proposal: WEEL-LD D22 LD CP TUSCALOOSA, AL

 File number: ASR 1037996

 Facility ID: 188702

Station data: User record

 Record ID: 583

 Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX Call Chan Svc Status City, State File Number Distance

No DDW15AZ N15- TX APP ALABASTER, AL BLTTL19940809IB 122.3 km

No DW15CG N15- TX APP PONTOTOC, MS BLTTL20050308ABV 149.9

No WTTO D21 DT LIC HOMEWOOD, AL BLANK0000125337 126.6

No WETU-LD D21 LD LIC MONTGOMERY, AL BLANK0000132463 188.8

No WPAN D21 DT LIC FORT WALTON BEACH, FL BLANK0000124712 274.0

No WAPT D21 DT LIC JACKSON, MS BLCDT20081126ALZ 225.6

No W21EC-D D21 LD CP TUPELO, MS BLANK0000072181 135.0

No WFIQ D22 DT LIC FLORENCE, AL BLEDT20060718ACG 166.6

No WCOV-TV D22 DT LIC MONTGOMERY, AL BLANK0000115937 219.8

No WSWH-LD D22 LD LIC TUSCALOOSA, AL BLANK0000074562 126.6

No KJNE-LD D22z LD LIC JONESBORO, AR BLANK0000055090 390.1

No KATV D22 DT LIC LITTLE ROCK, AR BLANK0000149936 447.2

No WDES-CD D22 DC LIC DESTIN, FL BLANK0000059931 335.7

No WPFN-CD D22 DC LIC PANAMA CITY, FL BLANK0000062893 391.2

No WCTU-LD D22 LD CP PENSACOLA, FL BLANK0000150184 302.3

No WTWC-TV D22 DT LIC TALLAHASSEE, FL BLANK0000118579 472.5

No W22EC-D D22 LD CP LA GRANGE, GA BMPDTL20110721ABG 267.9

No WHSG-TV D22 DT LIC MONROE, GA BLANK0000081582 353.3

No WTNO-LP D22 DC LIC NEW ORLEANS, LA BLANK0000001586 398.2

No WTNO-LP D22 DC CP NEW ORLEANS, LA BLANK0000158333 398.2

No KMCT-TV D22 DT LIC WEST MONROE, LA BLANK0000063151 384.9

No W22EO-D D22 LD CP GREENVILLE, MS BNPDTL20101018ACV 275.4

No WHLT D22 DT LIC HATTIESBURG, MS BLANK0000068599 217.2

No W22EP-D D22 LD CP STARKVILLE, MS BNPDTL20100512AIH 74.4

No WEBU-LP D22+ LD CP WEBB, MS BLANK0000054535 218.4

No WCKV-LD D22 LD LIC CLARKSVILLE, TN BLANK0000112506 386.7

No WCTE D22 DT LIC COOKEVILLE, TN BLEDT20110413ACS 423.9

No WCTD-LP D22 LD CP DUCKTOWN, TN BDFCDTL20110829AAE 381.5

No WJTD-LP D22z LD CP JACKSON, TN BLANK0000054279 292.0

No WDNM-LD D22 LD CP MEMPHIS, TN BLANK0000170012 281.4

No WQAP-LD D23 LD LIC MONTGOMERY, AL BLANK0000115788 172.6

No WOIL-CD D23 DC LIC TALLADEGA, AL BLANK0000110450 178.3

No WVUA-CD D23 DC LIC TUSCALOOSA/NORTHPORT, AL BLANK0000001646 53.9

No W23FD-D D23 LD CP STARKVILLE, MS BLANK0000071801 74.4

No WLMS-LD N25z TX LIC COLUMBUS, MS BLTT20031126AOI 57.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

 Channel: D22

 Mask: Simple

 Latitude: 33 6 3.80 N (NAD83)

 Longitude: 88 5 23.50 W

Height AMSL: 103.6 m (Adjusted based on actual ground elevation calculation)

 HAAT: 0.0 m

 Peak ERP: 0.250 kW

 Antenna: SAM-SAM-260 (ID 1008581) 250.0 deg

Elev Pattrn: Generic

49.6 dBu contour:

Azimuth ERP HAAT Distance

 0.0 deg 0.000 kW 47.7 m 3.7 km

 45.0 0.004 21.4 4.6

 90.0 0.004 32.3 4.8

135.0 0.000 35.3 3.3

180.0 0.002 39.0 4.4

225.0 0.170 60.3 16.5

270.0 0.198 60.7 17.4

315.0 0.005 35.6 5.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 42 m

Distance to Canadian border: 1065.6 km

Distance to Mexican border: 1164.0 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 73.9 degrees Distance: 323.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 302.0 degrees Distance: 1712.2 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

No IX check failures found.