



Kessler and Gehman Associates

Consultants • Broadcast • Wireless

Study created: 2023.08.30 18:04:27

Study build station data: LMS TV 2023-08-30

Proposal: WHIQ D24 DT APP HUNTSVILLE, AL
File number: WHIQ New Antenna
Facility ID: 713
Station data: User record
Record ID: 3399
Country: U.S.
Zone: II

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WOIL-CD	D23	DC	LIC	TALLADEGA, AL	BLANK0000110450	150.2 km
No	WVUA-CD	D23	DC	LIC	TUSCALOOSA/NORTHPORT, AL	BLANK0000202527	197.6
Yes	WFLI-TV	D23	DT	LIC	CLEVELAND, TN	BLANK0000093785	120.0
No	WJDE-CD	D23	DC	LIC	NASHVILLE, TN	BLANK0000096454	167.8
Yes	WTBM-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000206527	141.0
No	WSRE	D24	DT	LIC	PENSACOLA, FL	BLANK0000090765	469.5
Yes	WXTX	D24	DT	LIC	COLUMBUS, GA	BLANK0000064021	295.5
Yes	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	289.1
No	WJTS-CD	D24	DC	LIC	JASPER, IN	BLANK0000083248	406.3
Yes	WNKY	D24	DT	LIC	BOWLING GREEN, KY	BLANK0000111324	257.4
No	WKON	D24	DT	LIC	OWENTON, KY	BLANK0000087440	448.1
Yes	W24EP-D	D24	DC	LIC	FULTON, MS	BLANK0000063965	175.7
Yes	WMDN	D24	DT	CP	MERIDIAN, MS	BLANK0000035927	334.4

Yes	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	334.4
Yes	WETP-TV	D24	DT	LIC	SNEEDVILLE, TN	BLANK0000120200	353.7
No	WUWT-LD	D24	DC	BL	UNION CITY, TN	DTVBL32216	295.7
No	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	226.1
No	WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	125.5
No	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000127542	125.5
Yes	WJFB	D25	DT	LIC	LEBANON, TN	BLANK0000147261	171.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
 Latitude: 34 44 12.60 N (NAD83)
 Longitude: 86 31 45.10 W
 Height AMSL: 582.7 m
 HAAT: 345.6 m
 Peak ERP: 396 kW
 Antenna: TFU-22JTH/VP-R 04 0.0 deg
 Elev Pattn: Generic
 Elec Tilt: 0.75

39.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	396 kW	356.5 m	96.8 km
45.0	396	335.5	94.9
90.0	396	338.1	95.2
135.0	396	336.5	95.0
180.0	396	294.5	90.1
225.0	396	391.1	99.4
270.0	396	377.7	98.4
315.0	396	334.9	94.9

Distance to Canadian border: 841.2 km

Distance to Mexican border: 1392.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 119.9 degrees Distance: 192.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 295.5 degrees Distance: 1751.2 km

Study cell size: 2.00 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%

Proposal causes no interference to BLANK0000093785 LIC
Proposal causes 0.02% interference to BLANK0000206527 LIC scenario 1
Proposal causes 0.08% interference to BLANK0000064021 LIC scenario 1
Proposal causes no interference to BLANK0000001315 LIC
Proposal causes 0.03% interference to BLANK0000111324 LIC scenario 1
Proposal causes no interference to BLANK0000063965 LIC
Proposal causes no interference to BLANK0000035927 CP
Proposal causes no interference to BLCDT20090304ADW LIC
Proposal causes no interference to BLANK0000120200 LIC
Proposal causes no interference to BLANK0000147261 LIC

---- Below is IX received by proposal WHIQ New Antenna ----

Proposal receives 1.57% interference from scenario 1
Proposal receives 1.52% interference from scenario 2
Proposal receives 1.57% interference from scenario 3
Proposal receives 1.52% interference from scenario 4
No IX check failures found.