Study created: 2019.11.23 08:21:37 JMc

Study build station data: LMS TV 2019-11-23

Proposal: WCZU-LD D19 LD STA BOWLING GREEN, KY
File number: BLANK0000052706
Facility ID: 182670
Station data: User record
Record ID: 540
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	WZDX	D18	DT	CP	HUNTSVILLE, AL	BLANK0000034779	269.4 km
No	WZDX	D18	DT	BL	HUNTSVILLE, AL	DTVBL28119	269.5
No	WZDS-LD	D18	LD	CP	EVANSVILLE, IN	BLANK0000074344	144.4
No	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK0000087258	250.0
Yes	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	14.0
No	WMYO-CD	D18	DC	LIC	LOUISVILLE, KY	BLANK0000087049	141.8
No	WSTR-TV	D18	DT	CP	CINCINNATI, OH	BLANK0000034777	276.6
No	WSTR-TV	D18	DT	BL	CINCINNATI, OH	DTVBL11204	276.6
No	WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK0000081463	248.4
No	DWJFB-LP	D18z	LD	APP	LEBANON, TN	BLANK0000005264	107.1
No	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	269.2
No	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK0000087085	413.2
No	WFDE-LD	D19	LD	CP	CHAMPAIGN, IL	BLANK0000052945	285.8
No	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	336.5
Yes	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	194.3
Yes	WPSD-TV	D19	DT	CP	PADUCAH, KY	BLANK0000027223	235.2
Yes	WPSD-TV	D19	DT	BL	PADUCAH, KY	DTVBL51991	235.2
No	K19JU-D	D19	LD	CP	POPLAR BLUFF, MO	BDCCDTL20120308ABT	322.7
No	W19EJ-D	D19	LD	CP	AUBURN, MS	BNPDTL20100510AFX	381.5
No	W19DB-D	D19	LD	LIC	FRANKLIN, NC	BLDTT20080829ABC	330.4
No	WCLL-CD	D19	DC	LIC	COLUMBUS, OH	BLANK0000052505	424.3
No	WOOT-LD	D19	LD	CP	CHATTANOOGA, TN	BLANK0000088303	235.9
No	WPDP-CD	D19	DC	BL	CLEVELAND, TN	DTVBL52078	271.7
No	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	339.8
No	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	339.8
No	WPED-LD	D19	LD	CP	MEMPHIS, TN	BLANK0000004451	398.6
No	WPED-LD	D19	LD	LIC	MEMPHIS, TN	BLANK0000004406	360.0
No	WPED-LD	D19	LD	LIC	MEMPHIS, TN	BLANK0000081521	398.6
Yes	WLLC-LP	D19	LD	CP	NASHVILLE, TN	BLANK0000052774	117.4
No	WTSN-CD	D20	DC	LIC	EVANSVILLE, IN	BLDTL20120328AJA	124.3
No	WKUT-LD	D20	LD	LIC	BOWLING GREEN, KY	BLANK0000088311	80.2
No	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	269.8
Yes	WZTV	D20	DT	CP	NASHVILLE, TN	BLANK0000028847	107.5
No	WNPX-LP	N20-	TX	LIC	NASHVILLE, TN	BLTTL20021119ABM	107.1
Yes	WZTV	D20	DT	BL	NASHVILLE, TN	DTVBL418	107.5
No	WNTU-LP	N26-	TX	LIC	NASHVILLE, TN	BLTTL20001018ABZ	117.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D19
       Mask: Full Service
   Latitude:  37  9 18.70 N (NAD83)
  Longitude:  86 19 33.20 W
Height AMSL: 356.6 m
       HAAT: 0.0 m
   Peak ERP: 7.00 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic

49.3 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   7.00 kW   180.0 m   46.8 km
 45.0       7.00      189.0     47.3
 90.0       7.00      167.6     46.1
135.0       7.00      168.4     46.1
180.0       7.00      179.9     46.8
225.0       7.00      170.1     46.2
270.0       7.00      197.0     47.8
315.0       7.00      195.7     47.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 181 m

Distance to Canadian border: 592.0 km

Distance to Mexican border: 1595.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 157.9 degrees   Distance: 393.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 287.2 degrees   Distance: 1670.2 km

No land mobile station failures found


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%


---- Below is IX received by proposal BLANK0000052706 ----

Proposal receives 3.95% interference from scenario 1
No IX check failures found.
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