Study created: 2019.03.06 14:42:25

Study build station data: LMS TV 2019-02-04

Proposal: W11DJ-D D11 LD STA GLASGOW, KY
File number: BLANK0000042448
Facility ID: 185022
Station data: User record
Record ID: 2317
Country: U.S.

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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	274.1 km
No	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	231.6
Yes	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	104.7
No	WTZT-CD	D11	DC	CP	ATHENS, AL	BPDVA20130508AIV	246.6
No	WTZT-CD	D11	DC	LIC	ATHENS, AL	BLDVA20120221ABI	240.3
No	WCIX	D11	DT	CP	SPRINGFIELD, IL	BLANK0000028391	425.3
No	WCIX	D11	DT	BL	SPRINGFIELD, IL	DTVBL42116	425.3
No	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	384.2
Yes	WHAS-TV	D11	DT	LIC	LOUISVILLE, KY	BLCDT20100628AWQ	161.0
No	KFVS-TV	D11	DT	CP	CAPE GIRARDEAU, MO	BLANK0000034151	292.9
No	KFVS-TV	D11	DT	BL	CAPE GIRARDEAU, MO	DTVBL592	292.9
No	WTVA	D11	DT	CP	TUPELO, MS	BLANK0000034428	434.2
No	WTVA	D11	DT	BL	TUPELO, MS	DTVBL74148	434.2
No	W11AN-D	D11	LD	LIC	BRYSON CITY, NC	BLDTV20120625AAP	308.3
No	W11AU-D	D11	LD	LIC	CANTON, ETC., NC	BLDTV20110502ABS	336.9
No	W11AJ	D11	LD	CP	FRANKLIN, NC	BDFCDTV20120504AAA	310.7
No	W11AJ	N11	TX	LIC	FRANKLIN, NC	BLTTV19811211IC	310.7
No	W11AQ	N11	TX	LIC	ROBBINSVILLE, ETC., NC	BLTTV19821008IB	289.5
No	WSPA-TV	D11	DT	CP	SPARTANBURG, SC	BLANK0000034743	407.0
No	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	407.0
No	WOPI-CD	D11	DC	CP	BRISTOL,VA/KINGSPORT, TN	BLANK0000026128	371.2
No	WOPI-CD	D11	DC	BL	BRISTOL,VA/KINGSPORT, TN	DTVBL27490	371.2
No	W21BZ	D11-	LD	CP	COLLEGEDALE, TN	BLANK0000051723	238.2
No	WJHL-TV	D11	DT	LIC	JOHNSON CITY, TN	BLCDT20100910AAC	371.2
No	WJFB-LP	N11z	TX	LIC	LEBANON, TN	BLTVL19870219IA	82.3

No	WETV-CD	D11+	DC	LIC	MURFREESBORO, TN	BLANK0000004987	123.3
No	WJDP-LD	D11	LD	CP	PIGEON FORGE, TN	BPDVL20130826AHY	263.3
No	WJDP-LD	D11	LD	LIC	PIGEON FORGE, TN	BLDVL20110405ABJ	263.3
No	WEHT	D12	DT	CP	EVANSVILLE, IN	BLANK0000028458	154.8
No	WZDS-LD	D12	LD	CP	EVANSVILLE, IN	BNPDVL20101004ABB	165.9
No	WEHT	D12	DT	BL	EVANSVILLE, IN	DTVBL24215	154.8
No	WYMT-TV	D12	DT	LIC	HAZARD, KY	BLCDT20040109ACY	273.8
No	W12BJ	N12+	TX	LIC	OWENSBORO, KY	BLTVL19960117JQ	113.0
No	WDEF-TV	D12	DT	LIC	CHATTANOOGA, TN	BLCDT20090225ABO	217.7

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: D11
       Mask: Full Service
   Latitude:  36 56 39.00 N (NAD83)
  Longitude:  86 15 11.00 W
Height AMSL: 289.6 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna: SAM-(2) @ 0  (2) @ 270 (ID 1002853) 60.0 deg
Elev Pattrn: Generic
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48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.87 kW	111.7 m	44.3 km
45.0	2.65	100.6	45.0
90.0	1.31	100.9	40.2
135.0	0.003	110.5	10.6
180.0	0.000	105.1	5.7
225.0	0.000	109.3	5.8
270.0	0.067	126.7	24.4
315.0	2.62	125.4	48.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 111 m

Distance to Canadian border: 609.1 km

Distance to Mexican border: 1582.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 157.5 degrees Distance: 369.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 287.9 degrees Distance: 1683.4 km

Study cell size: 0.50 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

No IX check failures found.