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Study build station data: LMS TV 2021-02-23

Proposal: WDLE-LP D25+ LD APP PIGEON FORGE, TN
File number: BLANK0000054395
Facility ID: 125825
Station data: User record
Record ID: 574
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WCTD-LP	N22-	TX	LIC	DUCKTOWN, TN	BLTTL20070622ADD	111.6 km
No	WJZC-LP	N22+	TX	LIC	SEVIERVILLE, TN	BLTTL19901017JE	12.8
No	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	136.3
No	WNKY	D24	DT	LIC	BOWLING GREEN, KY	BLANK0000111324	262.5
No	WCNC-TV	D24	DT	LIC	CHARLOTTE, NC	BLANK0000087279	231.5
No	WDDA-LD	D24	LD	CP	CHATTANOOGA, TN	BDCCDTL20110616AAB	168.8
Yes	WETP-TV	D24	DT	LIC	SNEEDVILLE, TN	BLANK0000120200	76.9
No	W16CM-D	D25	LD	CP	JASPER, AL	BLANK0000134694	397.5
No	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	231.1
No	W25FL-D	D25	LD	CP	AUGUSTA, GA	BLANK0000074306	309.6
No	W25EQ-D	D25	LD	CP	MACON, GA	BNPDTL20100427ABT	340.5
No	W25FP-D	D25	LD	LIC	YOUNG HARRIS, GA	BLANK0000136498	105.0
No	W39DS-D	D25	LD	CP	EVANSVILLE, IN	BLANK0000071993	373.7
No	WBNM-LD	D25	LD	LIC	LOUISVILLE, KY	BLANK0000092952	343.0
Yes	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	237.4
Yes	WJZY	D25	DT	LIC	BELMONT, NC	BLANK0000081702	232.5
No	WDMC-LD	D25	LD	LIC	CHARLOTTE, NC	BLDTL20121113AII	276.7
No	WZRB	D25	DT	LIC	COLUMBIA, SC	BLANK0000081456	312.7
No	W25FQ-D	D25	LD	CP	FLORENCE, SC	BLANK0000116678	397.8
Yes	WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	160.4
Yes	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000127542	160.4
Yes	WJFB	D25	DT	LIC	LEBANON, TN	BLANK0000087601	246.8
Yes	WJFB	D25	DT	CP	LEBANON, TN	BLANK0000127519	285.7
No	WYAT-LD	D25z	LD	LIC	MARTINSVILLE, VA	BLANK0000116027	353.9
Yes	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	266.3
No	W26EM-D	D26	LD	CP	ATHENS, GA	BPDTL20141216ABG	180.4
No	WVVK-LP	D26-	LD	CP	MARTIN, KY	BLANK0000054354	192.8
No	W26FB-D	D26	LD	LIC	CANTON/WAYNESVILLE, NC	BLANK0000080640	73.8
No	W26FA-D	D26	LD	LIC	MARION, NC	BLANK0000074929	193.5

No	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000081201	210.3
No	WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000086358	210.3
No	W18DS-D	D26	LD	CP	CHATTANOOGA, TN	BLANK0000051827	160.7
Yes	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	32.7
No	WEEE-LP	N32+	TX	CP	KNOXVILLE, TN	BPTTL20120508ADS	33.1
No	WEEE-LP	N32+	TX	LIC	KNOXVILLE, TN	BLTT19980717JA	36.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25+
 Mask: Full Service
 Latitude: 35 48 43.00 N (NAD83)
 Longitude: 83 40 3.00 W
 Height AMSL: 954.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: Nicom BKU 4/5 45-315 0.0 deg
 Elev Pattn: Generic

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	652.8 m	70.6 km
45.0	14.6	653.1	70.4
90.0	5.22	607.2	62.4
135.0	0.294	477.7	41.3
180.0	0.434	441.9	42.5
225.0	0.294	438.9	40.1
270.0	5.22	630.5	63.0
315.0	14.6	629.5	69.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 566 m

Distance to Canadian border: 657.4 km

Distance to Mexican border: 1668.6 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 204.3 degrees Distance: 237.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 290.7 degrees Distance: 1943.4 km

Study cell size: 1.00 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%

---- Below is IX received by proposal BLANK0000054395 ----

Proposal receives 8.36% interference from scenario 1

Proposal receives 8.36% interference from scenario 2

Proposal receives 8.42% interference from scenario 3

Proposal receives 8.42% interference from scenario 4

No IX check failures found.