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Study build station data: LMS TV 2019-01-01

Proposal: WDMC-LD D20 LD APP CHARLOTTE, NC
File number: BLANK0000054923
Facility ID: 67836
Station data: User record
Record ID: 2228
Country: U.S.

Build options:
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WCEE-LD	N16-	TX	LIC	CHARLOTTE, NC	BLTT20041025ACE	0.0 km
No	WBPI-CD	D19	DC	LIC	AUGUSTA, GA	BLANK0000059661	224.7
No	W19HK-D	D19	LD	LIC	BLACK MOUNTAIN, NC	BLDTT20090615AAO	157.7
No	WUNC-TV	D19	LD	CP	CHAPEL HILL, NC	BLANK0000053858	201.0
Yes	WSOC-TV	D19	DT	CP	CHARLOTTE, NC	BLANK0000034695	3.8
Yes	WSOC-TV	D19	DT	BL	CHARLOTTE, NC	DTVBL74070	3.8
No	WTNC-LD	D19	LD	APP	DURHAM, NC	BLANK0000045780	180.4
No	W19CA	N19-	TX	LIC	LUMBERTON, NC	BLTT19961112JH	152.2
No	WGSR-LD	D19	LD	APP	REIDSVILLE, NC	BLANK0000029478	144.6
No	W06OD	D19	LD	CP	SPRUCE PINE, NC	BDCCDTT20141125AZF	147.3
No	W19CR-D	D19	LD	LIC	TRYON, NC	BLANK0000027376	141.4
No	WCSC-TV	D19	DT	LIC	CHARLESTON, SC	BLANK0000054856	274.2
No	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	222.2
No	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	222.2
No	WANN-CD	D20	DC	CP	ATLANTA, GA	BLANK0000028242	371.0
No	WANN-CD	D20	DC	BL	ATLANTA, GA	DTVBL168812	371.0
No	WCZC-LD	D20	LD	LIC	AUGUSTA, GA	BLDTL20150112ACR	256.0
No	WHDS-LD	D20	LD	CP	Savannah, GA	BLANK0000054260	355.8
No	W20EC-D	D20	LD	CP	VIDALIA, GA	BDCCDTL20121001AGL	348.3
No	W49DB-D	D20	LD	CP	ANDREWS, ETC, NC	BLANK0000053439	282.2
Yes	WUNF-TV	D20	DD	CP	ASHEVILLE, NC	BLANK0000029742	169.2
Yes	WUNF-TV	D20 (D25)	DD	BL	ASHEVILLE, NC	DTVBL69300	188.7
Yes	W12AU	D20	LD	CP	BURNSVILLE, NC	BDCCDTT20141125AZE	164.3
Yes	WUNC-TV	D20	DT	CP	CHAPEL HILL, NC	BLANK0000034414	153.4
Yes	WUNC-TV	D20	DT	BL	CHAPEL HILL, NC	DTVBL69080	153.5
No	NEW	D20	LD	APP	GREENVILLE, NC	BNPDTL20100209AAO	329.4
Yes	W20DD-D	D20	LD	LIC	MARION, ETC., NC	BLDTT20100209ABG	91.4
No	WDZA-LD	D20	LD	LIC	WILMINGTON, NC	BLDTL20140224AAZ	247.1

No	WBSE-LP	D20	LD	LIC	CHARLESTON, SC	BLANK0000001416	281.7
No	WCBD-TV	D20	DT	CP	CHARLESTON, SC	BLANK0000034805	272.6
No	WCBD-TV	D20	DT	BL	CHARLESTON, SC	DTVBL10587	272.7
No	W20DH-D	D20	LD	CP	FLORENCE, SC	BNPDTL20100409ABW	176.7
No	WHSV-TV	D20	DT	LIC	HARRISONBURG, VA	BLANK0000063970	346.2
No	WGNT	D20	DT	CP	PORTSMOUTH, VA	BLANK0000034473	413.9
No	WGNT	D20	DT	BL	PORTSMOUTH, VA	DTVBL9762	417.4
No	WVPB-TV	D20	DT	BL	HUNTINGTON, WV	DTVBL71657	384.8
No	WUNG-TV	D21	DT	CP	CONCORD, NC	BLANK0000034415	13.7
No	WUNG-TV	D21	DT	BL	CONCORD, NC	DTVBL69124	13.7
No	WUNJ-TV	D21	DT	CP	WILMINGTON, NC	BLANK0000034442	247.1
No	WUNJ-TV	D21	DT	BL	WILMINGTON, NC	DTVBL69332	247.1
No	WEBA-TV	D21	DT	CP	ALLENDALE, SC	BLANK0000025022	238.5
No	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	238.6
No	WDRF-LD	D21	LD	CP	Columbia, SC	BLANK0000004328	164.8
No	WWCW	D21	DT	CP	LYNCHBURG, VA	BLANK0000027725	248.6
No	WWCW	D21	DT	BL	LYNCHBURG, VA	DTVBL24812	248.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20
 Mask: Full Service
 Latitude: 35 15 7.00 N (NAD83)
 Longitude: 80 41 11.00 W
 Height AMSL: 397.1 m
 HAAT: 0.0 m
 Peak ERP: 8.00 kW
 Antenna: SWR-SWL12EC (ID 24155) 245.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.00

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.70 kW	193.3 m	44.2 km
45.0	0.541	208.4	35.0
90.0	0.627	199.6	35.3
135.0	4.38	200.4	45.5
180.0	8.00	169.8	46.8
225.0	7.07	179.4	46.7
270.0	7.07	173.7	46.4
315.0	8.00	178.3	47.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 188 m

Distance to Canadian border: 729.4 km

Distance to Mexican border: 1860.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 248.5 degrees Distance: 400.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 291.4 degrees Distance: 2217.4 km

No land mobile station failures found

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%

---- Below is IX received by proposal BLANK0000054923 ----

Proposal receives 31.68% interference from scenario 1
No IX check failures found.