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Study build station data: LMS TV 2023-06-02

Proposal: W20ES-D D20 LD CP REDDICK, FL  
File number: BNPDTL20090825AKM  
Facility ID: 182089  
Station data: User record  
Record ID: 2590  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WESH	D19	LD	LIC	DAYTONA BEACH, FL	BLANK0000074849	1.5 km
No	W19EX-D	D19	LD	LIC	GAINESVILLE, FL	BLANK0000212386	51.2
No	W19EX-D	D19	LD	CP	GAINESVILLE, FL	BLANK0000213178	43.0
No	WJAX-TV	D19	DT	LIC	JACKSONVILLE, FL	BLCDT20030328ANV	130.9
No	WFTV	D19	LD	LIC	ORLANDO, FL	BLANK0000108207	112.7
No	WTOG	D19	DT	LIC	ST. PETERSBURG, FL	BLANK0000151372	152.6
No	WTLH	D19	DT	LIC	BAINBRIDGE, GA	BLANK0000119592	239.4
No	WJJN-LD	D20	LD	LIC	DOTHAN, AL	BLANK0000122171	384.4
No	WTVX	D20	DT	LIC	FORT PIERCE, FL	BLANK0000080021	289.8
Yes	WCWJ	D20	DT	LIC	JACKSONVILLE, FL	BLANK0000097952	130.8
No	W20ET-D	D20	LD	CP	MADISON, FL	BNPDTL20090825AHV	190.6
No	WLMF-LD	D20	LD	LIC	MIAMI, FL	BLANK0000144080	409.0
No	WFUN-LD	D20	LD	LIC	MIAMI, FL	BLANK0000144274	409.0
No	WZXZ-CD	D20	DC	LIC	ORLANDO, ETC., FL	BLANK0000108580	125.2
No	W20DX-D	D20	LD	LIC	PANAMA CITY, FL	BLANK0000203936	366.2
Yes	WVEA-TV	D20	DT	LIC	TAMPA, FL	BLANK0000099184	152.6
No	W20DL-D	D20	LD	APP	MACON, GA	BLANK0000212513	428.1
No	WHDS-LD	D20	LD	LIC	SAVANNAH, GA	BLANK0000101192	329.4
No	WCTV	D20	DT	LIC	THOMASVILLE, GA	BLANK0000121784	236.4
No	DW20CY	D20	LD	APP	TIFTON, GA	BDFCDTL20091118AGP	279.6
No	WCBD-TV	D20	DT	LIC	CHARLESTON, SC	BLANK0000184909	475.2
No	WCLF	D21	DT	CP	CLEARWATER, FL	BLANK0000210601	152.6
No	WCLF	D21	DT	LIC	CLEARWATER, FL	BLCDT20060627AAQ	155.7
No	WDYB-CD	D21	DC	LIC	DAYTONA BEACH, FL	BLANK0000106571	87.2
No	WJEB-TV	D21	DT	LIC	JACKSONVILLE, FL	BLANK0000105949	130.6
No	WKME-CD	D21	DC	LIC	KISSIMMEE, FL	BLANK0000090448	113.7
Yes	WKMG-LD	D21	LD	LIC	OCALA, FL	BLANK0000087100	8.8
No	W21AU-D	D21	LD	LIC	ORLANDO, FL	BLANK0000025170	125.2
No	W21EL-D	D21	LD	LIC	VALDOSTA, GA	BLANK0000177717	189.5

No	WWRJ-LD	N27-	TX	LIC	JACKSONVILLE, FL	BLTTL20140115AAF	130.8
No	WOCD-LD	N27-	TX	LIC	OCALA, FL	BLTTL20090331AEX	48.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20  
 Mask: Full Service  
 Latitude: 29 13 0.00 N (NAD83)  
 Longitude: 82 8 58.00 W  
 Height AMSL: 108.5 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: SWR WC-RR / PR-450 0.0 deg  
 Elev Pattn: Generic

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.938 kW	80.1 m	28.2 km
45.0	0.002	86.2	6.2
90.0	8.66	91.4	40.8
135.0	10.1	82.2	40.3
180.0	3.17	74.4	33.5
225.0	5.13	85.6	37.5
270.0	14.1	83.0	42.1
315.0	0.360	76.7	22.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 82 m

Distance to Canadian border: 1385.1 km

Distance to Mexican border: 1498.1 km

Conditions at FCC monitoring station: Vero Beach FL

Bearing: 140.0 degrees    Distance: 232.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 306.2 degrees    Distance: 2422.0 km

No land mobile station failures found

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 BNPDTL20090825AKM ----

Proposal receives 3.27% interference from scenario 1

No IX check failures found.