



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2023.06.12 12:26:55

Study build station data: LMS TV 2023-06-11

Proposal: WLMT D31 DT APP MEMPHIS, TN
File number: WLMT 1,000 kW ERP
Facility ID: 68518
Station data: User record
Record ID: 3184
Country: U.S.
Zone: II

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

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KLRT-TV	D30	DT	LIC	LITTLE ROCK, AR	BLANK0000149904	252.6 km
No	WTCT	D30	DT	LIC	MARION, IL	BLANK0000096223	262.4
Yes	WMC-TV	D30	DT	CP	MEMPHIS, TN	BLANK0000207177	15.4
No	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	444.5
Yes	KWBM	D31	DT	CP	HARRISON, AR	BLANK0000036086	335.4
Yes	KWBM	D31	DT	LIC	HARRISON, AR	BLCDT20091201ASC	335.4
No	KPBI-CD	D31	DC	LIC	WINSLOW, AR	BLANK0000055649	409.6
No	WVUT	D31	DT	LIC	VINCENNES, IN	BLANK0000087466	427.2
Yes	WKMA-TV	D31	DT	LIC	MADISONVILLE, KY	BLANK0000087442	293.9
Yes	KDNL-TV	D31	DT	LIC	ST. LOUIS, MO	BLANK0000158069	370.6
Yes	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	342.7
Yes	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	342.7

No	KARK-TV	D32	DT	LIC	LITTLE ROCK, AR	BLANK0000149977	253.4
No	KFVS-TV	D32	DT	CP	CAPE GIRARDEAU, MO	BLANK0000150355	240.6
No	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	222.8
No	W32EV-D	D32	DC	LIC	ADAMSVILLE, TN	BLANK0000121663	128.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Latitude: 35 16 33.00 N (NAD83)
Longitude: 89 46 38.00 W
Height AMSL: 432.2 m
HAAT: 337.3 m
Peak ERP: 1000 kW
Antenna: AND-ATW25H5-HTOL-30M (ID 70017) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 0.75

40.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	328.0 m	101.0 km
45.0	1000	333.0	101.4
90.0	1000	337.6	101.9
135.0	1000	323.3	100.5
180.0	1000	324.6	100.6
225.0	1000	345.7	102.6
270.0	1000	361.6	104.0
315.0	1000	344.5	102.5

Distance to Canadian border: 935.3 km

Distance to Mexican border: 1232.4 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 107.3 degrees Distance: 488.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.2 degrees Distance: 1458.9 km

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%

Proposal causes 0.05% interference to BLANK0000207177 CP scenario 1
Proposal causes 0.06% interference to BLANK0000036086 CP scenario 1
Proposal causes 0.00% interference to BLCDT20091201ASC LIC scenario 1
Proposal causes 0.01% interference to BLANK0000087442 LIC scenario 1
Proposal causes 0.01% interference to BLANK0000158069 LIC scenario 1
Proposal causes 0.01% interference to BLANK0000035926 CP scenario 1
Proposal causes no interference to BLCDT20071024AAK LIC

---- Below is IX received by proposal WLMT 1,000 kW ERP ----

Proposal receives 0.20% interference from scenario 1
No IX check failures found.