

# Summary Study

## BDFCDTL20100812ABE

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
/extra/jobs/tv\_pro\_data\_files/pt\_tvdb.sff

### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-21-2010 Time: 09:27:17

Record Selected for Analysis

KWMS-LP BDFCDTL -20100812ABE WEST MONROE LA US  
Channel 17 ERP 14. kW HAAT 80 m RCAMSL 00098 m STRINGENT MASK  
Latitude 032-30- 6 Longitude 0092-07-34  
Status APP Zone Border Site number: 01  
Dir Antenna Make CDB Model 00000000020399 Beam tilt N Ref Azimuth 0.0  
Last update 00000000 Cutoff date 20100910 Docket  
Comments  
Applicant SONRISE COMMUNICATIONS, INC.

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station  
Service Class = LD  
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	14.000	79.2	39.6
45.0	11.089	75.0	37.8
90.0	6.098	77.6	35.3
135.0	5.209	78.7	34.7
180.0	6.285	80.4	35.8
225.0	5.209	66.5	32.9
270.0	6.098	65.4	33.5
315.0	11.089	69.2	36.9

Database HAAT does not agree with computed HAAT  
Database HAAT: 80 Computed HAAT: 74

Contour Overlap to Proposed Station

Station  
KWMS-LP 17 WEST MONROE LA BMSTA20010817AAQ

Station inside contour of Digital LPTV station  
KWMS-LP 17 WEST MONROE LA BDFCDTL 20100812ABE

Station  
KWMS-LP 17 WEST MONROE LA BLTTL20100708HIZ

Station inside contour of Digital LPTV station  
KWMS-LP 17 WEST MONROE LA BDFCDTL 20100812ABE

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
17	KWMS-LP	WEST MONROE LA	BDFCDTL 20100812ABE

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	DK16DK	ALEXANDRIA LA	135.4	CP	BPTTL	-20071207ACH
16	NEW	MONROE LA	5.7	APP	BNPDTL	-20100510AEC
16	K16FH	WINNFIELD LA	81.8	LIC	BLTTL	-20050414ABX
17	NEW	LAKE CHARLES LA	277.3	APP	BNPDTL	-20100311ACN
17	KNTS-LP	NATCHITOCHES LA	149.6	LIC	BLTTL	-19961112JI
17	KSLA	SHREVEPORT LA	170.3	CP	BPCDT	-20080620ALI
17	KSLA	SHREVEPORT LA	170.3	LIC	BLCDT	-20020501AAS
17	W17DI-D	CLEVELAND MS	176.8	CP	BNPDTL	-20090825BFS
17	NEW	STARKVILLE MS	329.9	APP	BNPDTL	-20100512AIG
17	WPGF-LD	MEMPHIS TN	368.8	LIC	BLDTL	-20100111AFJ
17	K50LH-D	BEAUMONT TX	334.9	CP	BNPTTL	-20000831AXR
17	K17BP	PALESTINE TX	343.1	LIC	BLTT	-19930301IC
18	K18AB	EL DORADO AR	93.5	LIC	BLTT	-1193
18	K18AB	EL DORADO AR	93.5	CP	BDFCDTT	-20090306AAF
18	DK55GT	ALEXANDRIA LA	135.4	CP	BDISTTL	-20071207ACB
18	WMAU-TV	BUDE MS	180.5	LIC	BLEDT	-20090327ABW
19	DK60GE	ALEXANDRIA LA	135.4	CP	BDISTTL	-20071207ACG
21	DK21EL	ALEXANDRIA LA	135.4	CP	BPTTL	-20080411AED

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## Study of this proposal found the following interference problem(s):

The following station failed the de minimis interference criteria.

17D LA WEST MONROE           BDFCDTL   20100812ABE  
ERP   14.00 kW   HAAT       80.0 m   RCAMSL    98.0 m  
Antenna CDB 00000000020399

Due to interference to the following station and scenario:       1

16D LA MONROE               BNPDTL    20100510AEC  
ERP    5.00 kW   HAAT       86.0 m   RCAMSL   106.0 m  
Antenna CDB 00000000099655

Percent new interference from proposal:       11.4537 to BNPDTL    20100510AEC

Proposed station is MX

17A LA WEST MONROE	BDFCDTL	20100812ABE	APP
16A LA MONROE	BNPDTL	20100510AEC	APP

Proposal MX with BNPDTL   20100510AEC   scenario       1 of station    2