

TECHNICAL ATTACHMENT
NEW LPFM FOR DES MOINES, IA

State: IA
City: DES MOINES
Channel: 284

Antenna Structure Registration: NA
Do you have an FCC Antenna Structure Registration Number?: N
Yes/No/Filed with the FAA No

Latitude: 41 36 28.5 N
Longitude: 93 50 17.0 W
Structure Type: MONOPOLE
Overall Structure Height: 40.5
Support Structure: 36.2
Ground Elevation: 310.9

Antenna Data

	HORIZONTAL	VERTICAL
Height of Radiation Center		
Above Ground Level	24.2	24.2
Height of Radiation Center AMSL	(FORM CALCULATES)	
MIn Radiated Power	(FORM CALCULATES)	
Max Radiated Power	(FORM CALCULATES)	

Antenna Type

Directional
Non-Directional X

Directional Antenna

Technical Certification

Environmental Effect

*Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See 47 C.F.R. Section 1.1306?

NO

Interference

*Does the applicant certify that the proposed facility complies with engineering requirements...?

YES

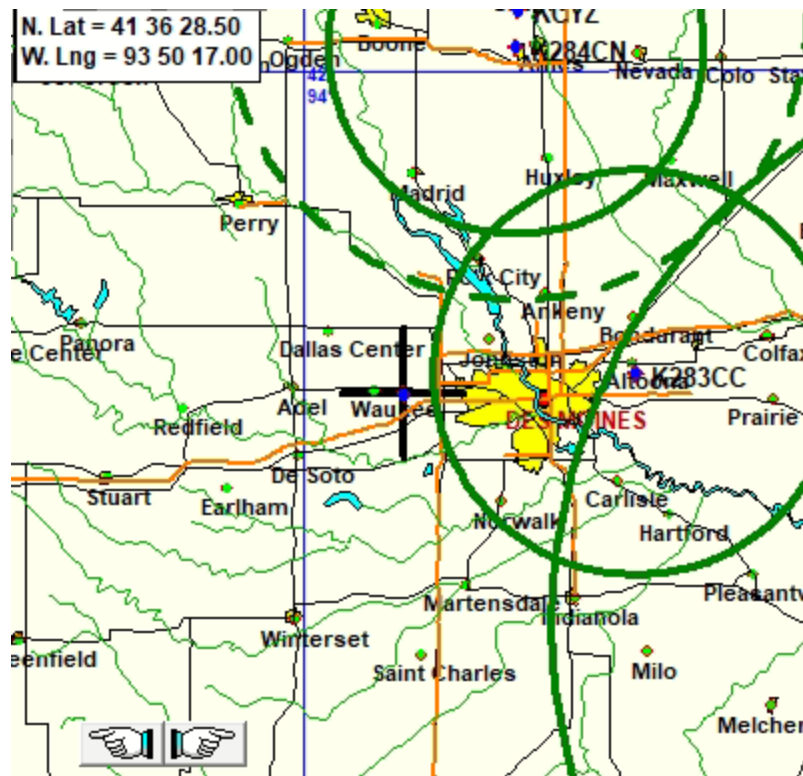
SPACING

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REFERENCE                                     DISPLAY DATES
41 36 28.50 N.                                CLASS = L1      DATA  10-16-23
93 50 17.00 W.                                Current  Spacings to 2nd Adj.  SEARCH
12-10-23

----- Channel 284 - 104.7 MHz -----

Call          Channel    Location              Azi    Dist  FCC  Margin
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K283CC  LIC  283D    Des Moines          IA    85.0  31.83  27.5  4.3
KCYZ    LIC  286C3   Ames                IA    16.7  54.44  39.5  14.9
K284CN  LIC  284D    Ames                IA    18.1  49.53  25.5  24.0
KBOE-FM LIC  285C2   Oskaloosa          IA    107.4 104.58  79.5 25.1
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All separation margins include rounding
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FCC 60 dBu F(50,50)

