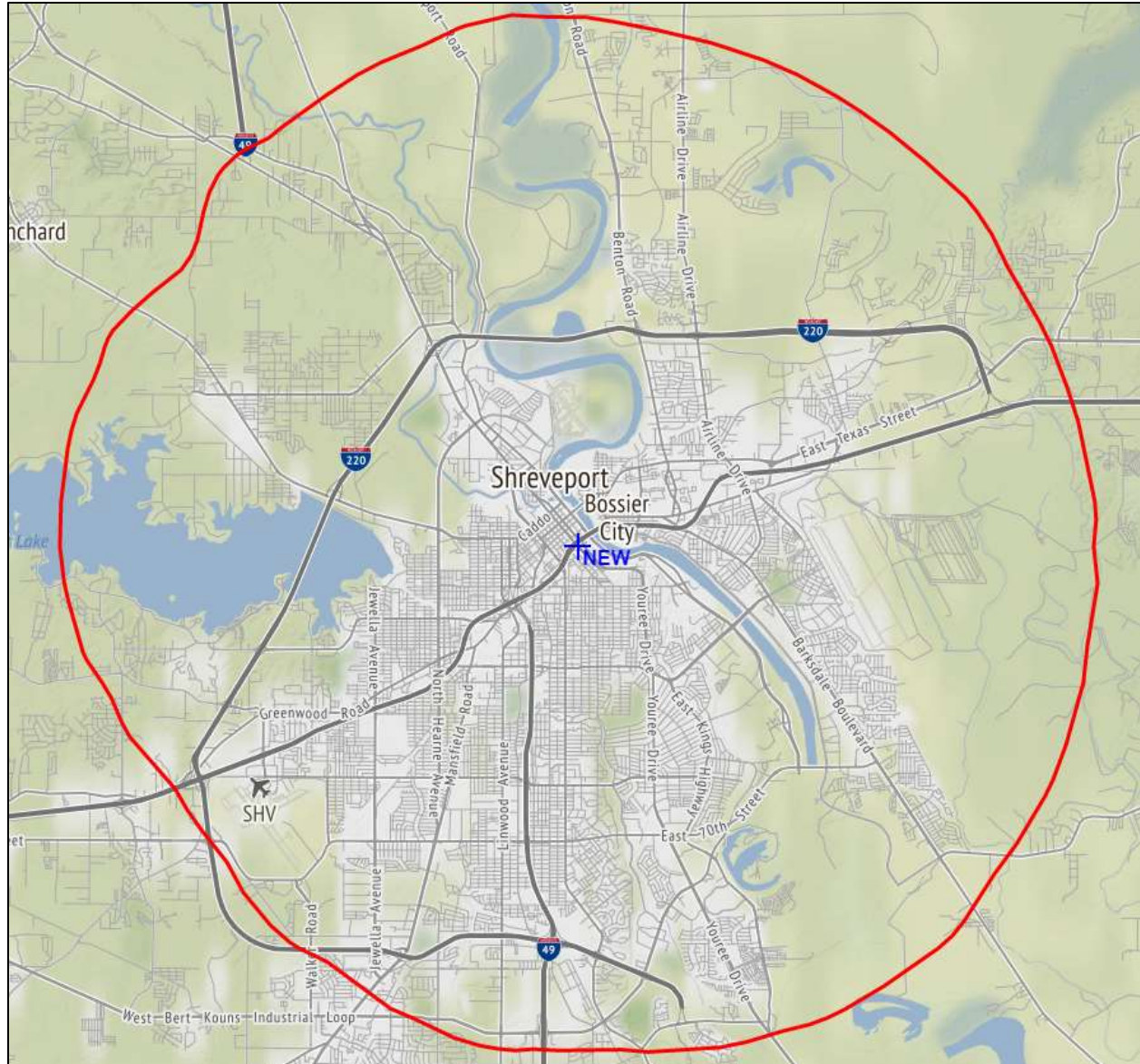




REC Networks
11541 Riverton Wharf Rd.
Mardela Springs, MD 21837
844.REC.LPFM/202.621.2355
recnet.com

Long form application for new Auction 83 facility
BOSSIER CITY, LA
BLACK MEDIA WORKS, INC.
BNPFT-20030317LWL

PROPOSED 60dBu F(50,50) SERVICE CONTOUR

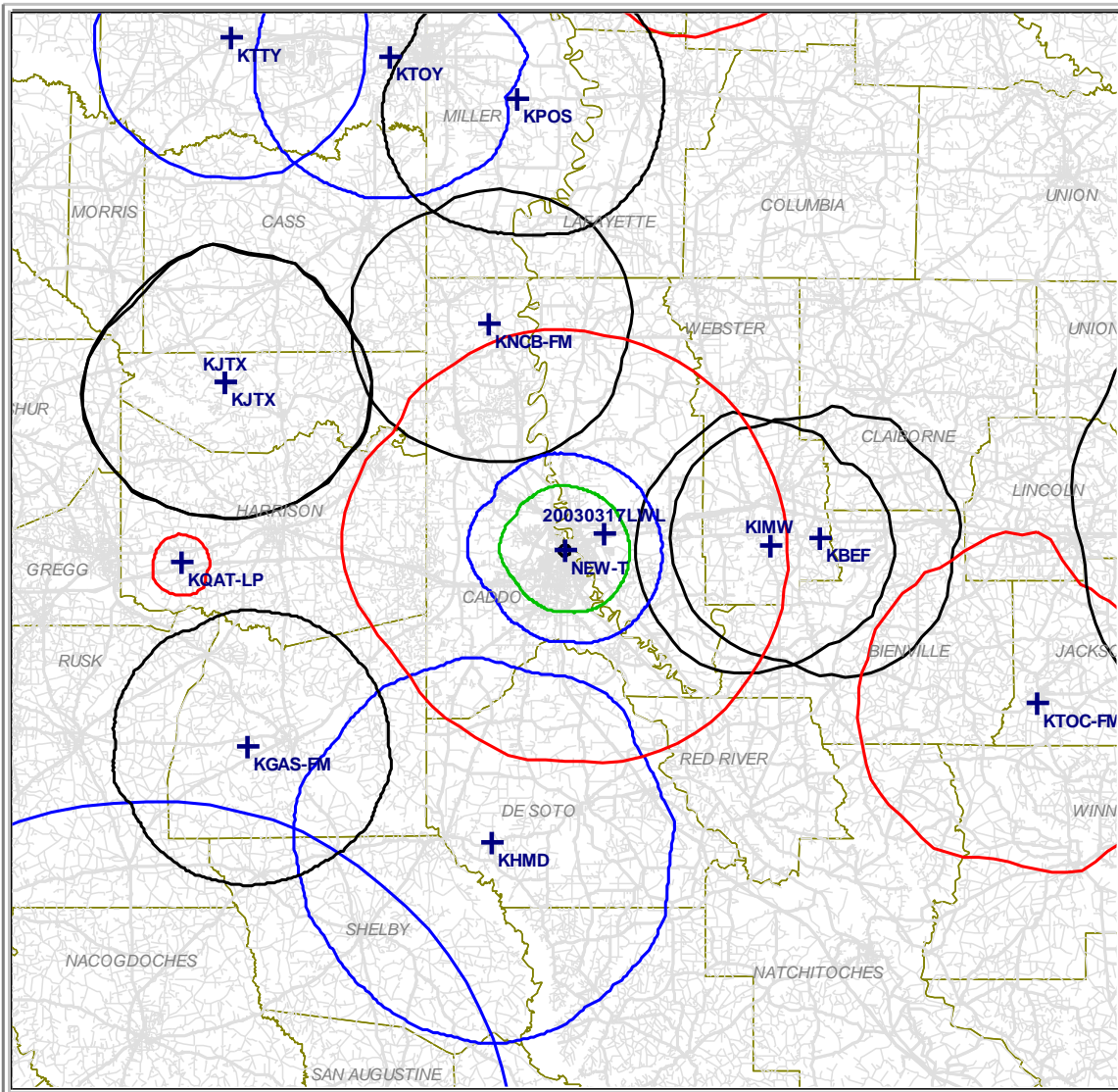


SHREVEPORT, LA – Channel 285D ~ 104.9 MHz ~ ERP 0.250 kW
Elev: 53 meters ~ RCAGL: 101 meters ~ RCAMSL: 154 meters ~ HAAT: 98 meters
Overall tower height: 120 meters – ASR: 1214996 ~ Max. HAAT: 107 meters
NAD83 Latitude: 32° 30' 32.6" NL – Longitude: 93° 44' 35.7" WL
NAD27 Latitude: 32° 30' 32.0" NL – Longitude: 93° 44' 35.0" WL

ComStudy 2.2 search of channel 285 (104.9 MHz Class D) at 32-30-32.0 N, 93-44-35.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
KPOS	FOUKE	AR	282	A	93.92	0.00	354.2	30.28 dB
KGAS-FM	CARTHAGE	TX	282	A	76.18	0.00	237.8	22.55 dB
KJTX	JEFFERSON	TX	283	A	77.02	0.00	297.2	22.41 dB
KJTX	JEFFERSON	TX	283	A	77.04	0.00	297.2	22.12 dB
KBEF	GIBSLAND	LA	283	A	51.77	0.00	86.9	10.76 dB
KWNS	WINNSBORO	TX	284	A	157.72	0.00	293.8	36.37 dB
KTOY	TEXARKANA	AR	284	A	107.96	0.00	341.2	25.37 dB
KHMD	MANSFIELD	LA	284	C3	62.24	0.00	193.7	3.73 dB
KQAT-LP	HALLSVILLE	TX	285	LP100	77.78	24.00	268.4	9.34 dB
KIBE	BROKEN BOW	OK	285	A	193.07	0.00	331.5	31.55 dB
KAGH-FM	CROSSETT	AR	285	A	181.95	0.00	67.0	26.90 dB
KHPA	HOPE	AR	285	A	136.44	0.00	10.0	18.91 dB
KTOC-FM	JONESBORO	LA	285	C3	100.95	0.00	108.0	7.16 dB
KZWA	MOSS BLUFF	LA	285	C3	234.94	0.00	165.8	34.73 dB
KZMP-FM	PILOT POINT	TX	285	C0	310.29	0.00	292.5	39.99 dB
KTTY	NEW BOSTON	TX	286	A	125.76	0.00	328.0	30.43 dB
KYKS	LUFKIN	TX	286	C0	152.53	0.00	214.1	21.90 dB
KNCB-FM	VIVIAN	LA	287	A	49.31	0.00	342.1	10.32 dB
KLIP	MONROE	LA	287	C2	150.44	0.00	87.7	33.87 dB
KIMW	HEFLIN	LA	288	A	41.67	0.00	88.4	7.71 dB

Bossier City, LA ~ Channel 285D ~ Contour Protections



Red: Co-channel, Blue: First-adjacent, Black: Second/Third-adjacent

MAXIMUM HAAT CALCULATION

The translator in this application is proposing to rebroadcast KAYT, Jena, Louisiana via translator K223BI, Greenwood, Louisiana. Using Commission accepted GLOBE terrain data at 12 radials, the maximum height above average terrain (HAAT) along the 120-degree radial is 107 meters. In accordance with §74.1235(b), the proposed translator is specifying a non-directional antenna and as the HAAT along all 12 radials is 107 meters or less, and because the proposed translator is located west of the Mississippi River, then the maximum effective radiated power (MERP) along all 12 radials is 250 watts. As the lowest MERP is 250 watts, the instant application is specifying an effective radiated power of 250 watts.

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude 32° 30' 32" North
Longitude 93° 44' 35" (NAD 27)

These coordinates convert to NAD 83 coordinates of
32° 30' 32.55", North, 93° 44' 35.64" West (NAD 83).

Height of antenna radiation center above mean sea level: 154 meters AMSL

Number of Evenly Spaced Radials = 12 0° is referenced to True North

Results

Calculated HAAT = 98 meters

Antenna Height Above Average Terrain calculated
using 1 km GLOBE terrain data

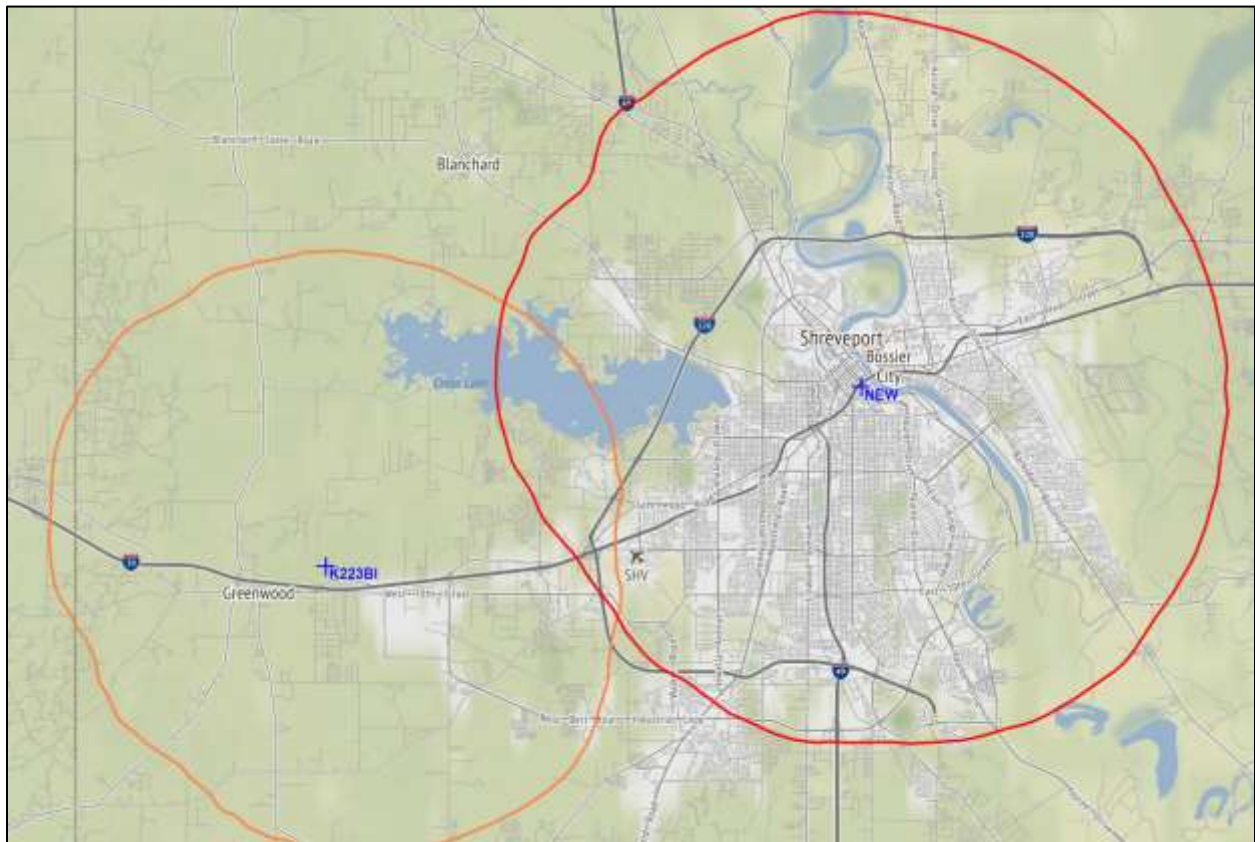
Individual "Radial HAAT" Values, in meters

0°	103.7 m
30°	102.6 m
60°	99.7 m
90°	103.1 m
120°	107.0 m
150°	105.5 m
180°	92.2 m
210°	87.0 m
240°	82.4 m
270°	101.3 m
300°	92.2 m
330°	98.8 m

§74.1232(b) TECHNICAL SHOWING

§74.1232(b) of the Commission's Rules state that more than one FM translator may be assigned to the same applicant, whether or not such translators serve substantially the same area, upon an appropriate showing of technical need for such additional stations.

While the proposed translator has a 1 mV/m contour overlap with co-owned translator K223BI, of the population that is located within the 1 mV/m contour of either translator, 3,517 persons out of 249,007 persons (1.4%) are within the 1 mV/m contour of both translators. Therefore, the new proposed translator will not serve "substantially the same area" as K223BI in accordance with §74.1232(b).



RED – Proposed translator 1 mV/m contour.

ORANGE – Co-owned K223BI 1 mV/m contour.