

## Channel Study

REFERENCE		CH# 285D - 104.9 MHz, Pwr= 0.072 kW, HAAT=125.3M, COR= 304 M								DISPLAY DATES	
35 46 07.0 N.		Average Protected F(50-50)= 10.6 km								DATA 06-26-07	
95 24 53.0 W.										SEARCH 06-26-07	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
283C1 Pryor	KMYZ-FM	LIC CN OK	322.1 141.9	35.38 BLH19850501KY	36 01 10.0 95 39 24.0	70.000 346	9.9 533	72.2 Shamrock Communications, I	15.09	-37.41*	
285D Muskogee	K285FI	CP DC OK	48.9 228.9	14.13 BNPFT20030828ACI	35 51 07.8 95 17 48.0	0.042 125	31.1 290	9.3 Edgewater Broadcasting, In	-28.25	-33.12	
287C2 Bixby	KJMM	LIC NCN OK	288.1 107.9	33.50 BLH19960606KD	35 51 41.0 95 46 03.0	10.000 276	4.8 465	48.4 Kjmm, Inc.	18.28	-15.53*	
285A Bristow	KREK	LIC CN OK	271.5 90.9	94.51 BLH19960405KC	35 47 11.0 96 27 35.0	5.000 127	88.2 371	30.2 Big Chief Broadcasting Co.	-3.99	29.35	
285C3 Nowata	KRIG-FM	LIC ZCX OK	343.4 163.2	111.07 BLH20060511ABN	36 43 37.0 95 46 18.0	7.639 175	101.6 404	38.8 Kcd Enterprises, Inc.	-1.20	36.03	
286A Muldrow	AL7126	VAC OK	112.1 292.6	79.65 RM10643	35 29 47.0 94 36 04.0	6.000 81	39.5 317	25.7 David P. Garland	29.62	39.15	
285A Springdale	KXNA	LIC CN AR	68.7 249.5	128.30 BLH19921113KB	36 10 48.0 94 05 07.0	2.750 147	82.3 539	28.1 Butler Broadcasting Compan	34.48	61.54	
286A McAlester	KTMC-FM	LIC NCN OK	196.8 16.6	90.59 BLH19990517KA	34 59 13.0 95 42 10.0	1.600 170	39.9 357	26.5 Southeastern Oklahoma Radi	40.47	49.80	
285D Fort Smith	K285CN	LIC DEN AR	117.0 297.5	102.82 BLFT19870804TG	35 20 45.0 94 24 20.0	0.280 75	39.7 212	11.6 Fred H. Baker, Jr.	52.62	55.55	

Terrain database is NGDC 30 SEC  
ERP and HAAT on direct-line with reference station.  
"\*"affixed to 'IN' or 'Out' values = site inside protected contour.



## **Compliance with C.F.R. 74.1204**

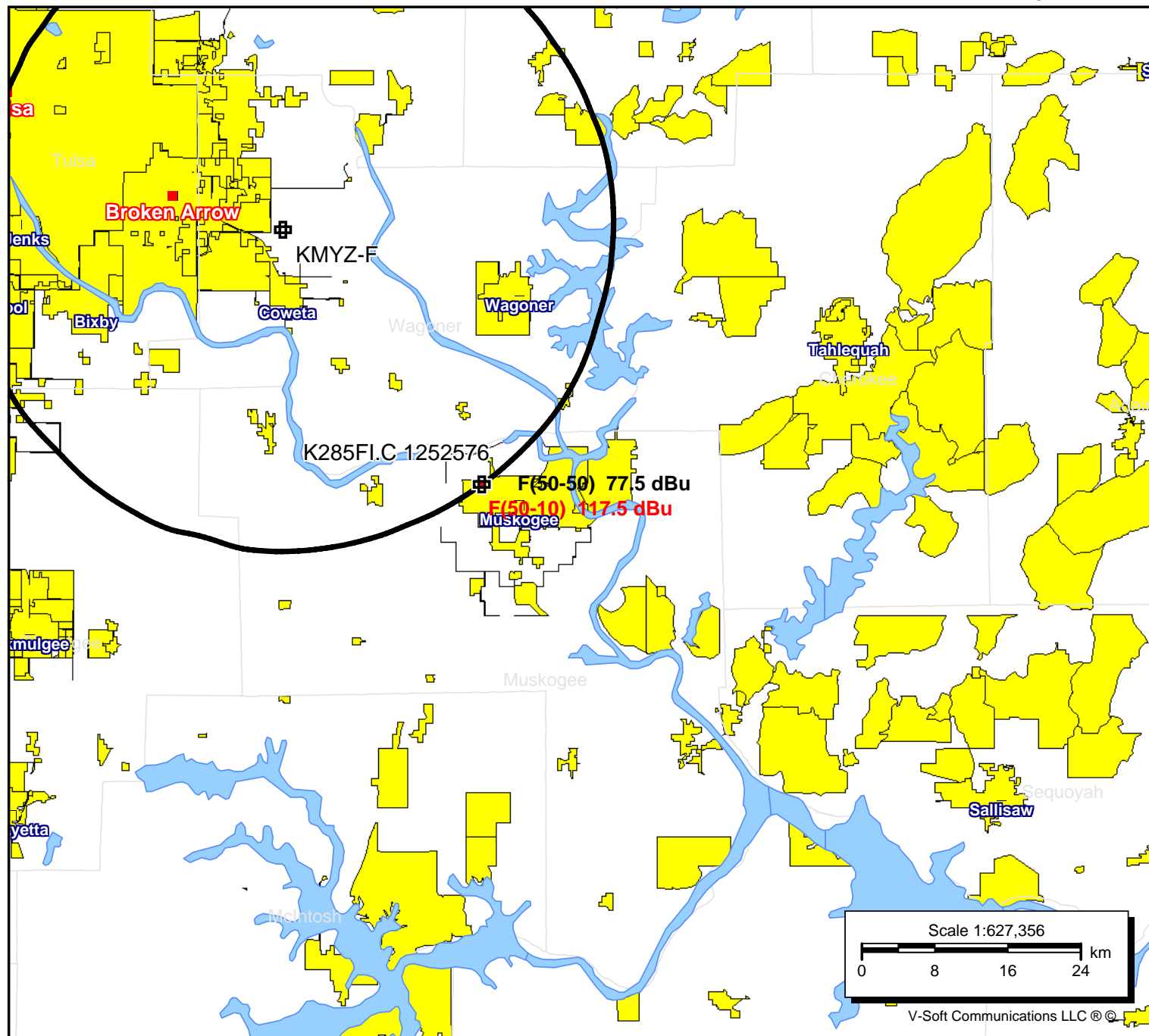
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KMYZ, channel 283C1, Pryor, OK. The predicted F(50-50) field strength of KMYZ at the proposed translator site is 77.5 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 117.5 dBu. This interfering contour extends approximately 79.2 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

To confirm the absence of population within the interference aperture, Edgewater Broadcasting has examined the attached topographic map (see Exhibit 12C), and aerial photo (see Exhibits 12D and 12D-1), which indicate a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 79.2 meter interference aperture.

Therefore, Edgewater Broadcasting respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

Exhibit 12A-1  
Muskogee, OK

 K285FI.C 1252576  
 KMYZ-F



## **Compliance with C.F.R. 74.1204**

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KJMM, channel 287C2, Bixby, OK. The predicted F(50-50) field strength of KJMM at the proposed translator site is 68.0 dBu, (see Exhibit 12B-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 108.0 dBu. This interfering contour extends approximately 236.5 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

To confirm the absence of population within the interference aperture, Edgewater Broadcasting has examined the attached topographic map (see Exhibit 12C), and aerial photo (see Exhibit 12D and 12D-1), which indicate a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 236.5 meter interference aperture.

Therefore, Edgewater Broadcasting respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

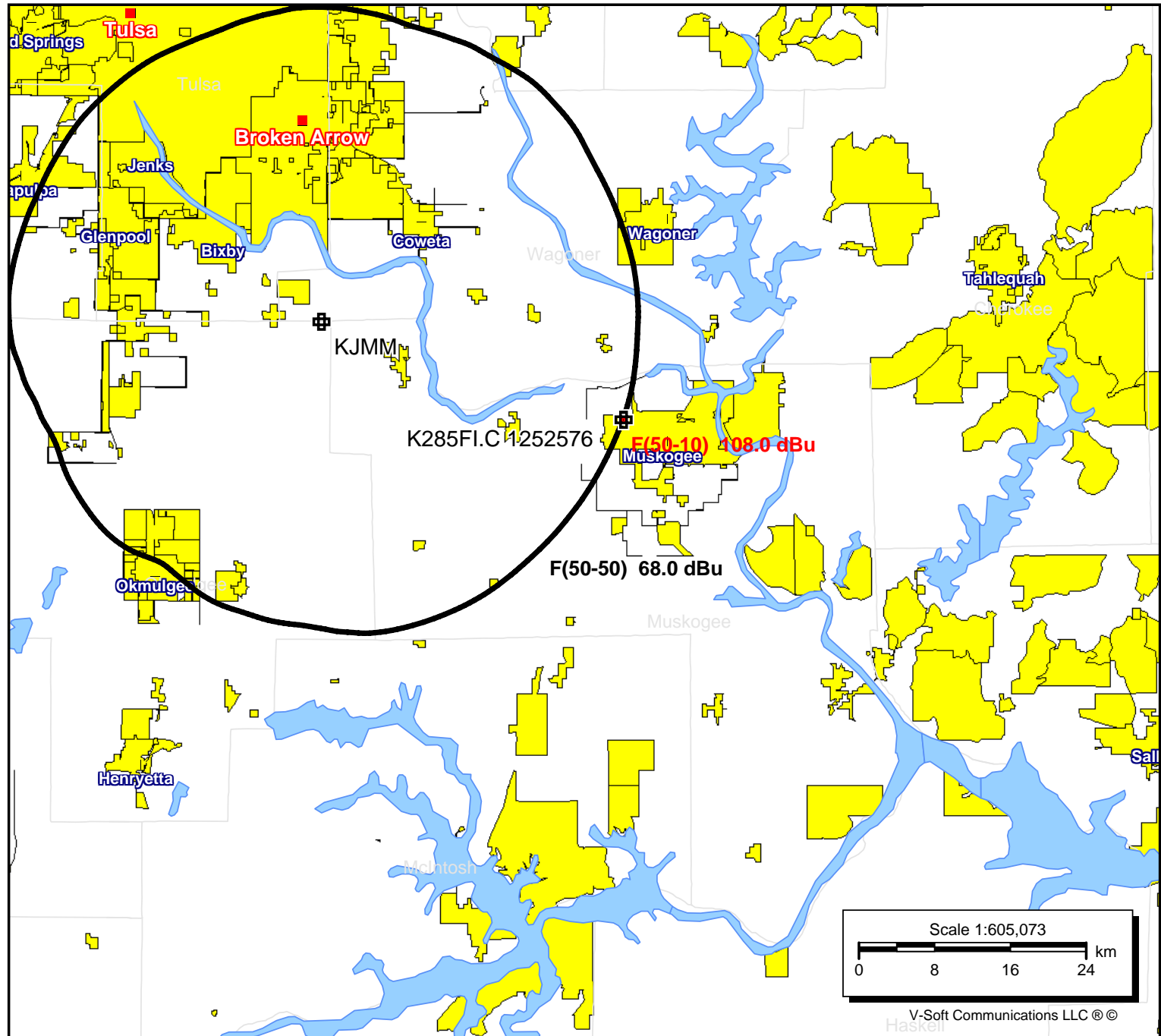
**K285FI.C 1252576**

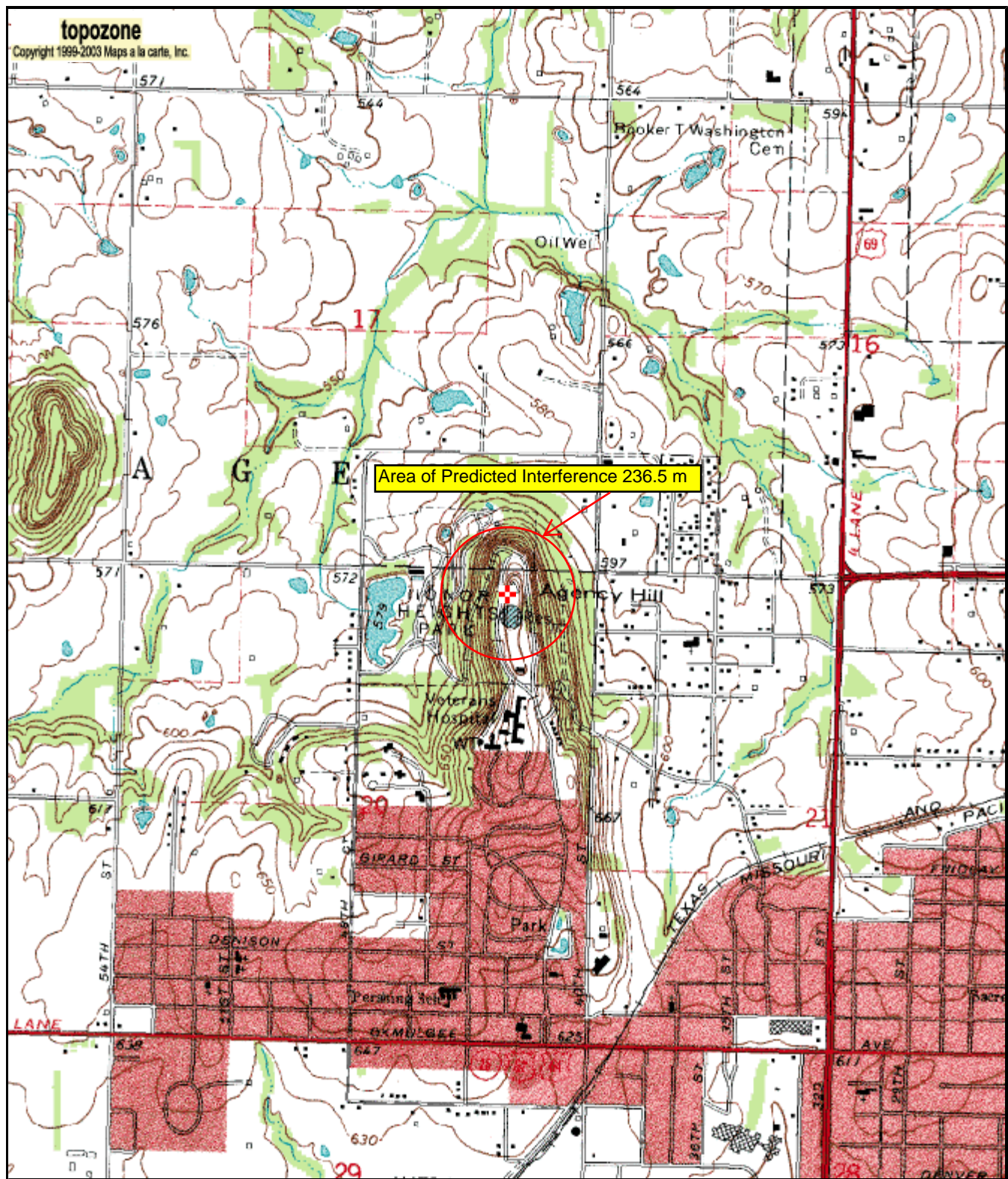
Latitude: 35-46-07 N  
Longitude: 095-24-53 W  
ERP: 0.072 kW  
Channel: 285  
Frequency: 104.9 MHz  
AMSL Height: 304.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**KJMM**

BLH19960606KD  
Latitude: 35-51-41 N  
Longitude: 095-46-03 W  
ERP: 10.00 kW  
Channel: 287  
Frequency: 105.3 MHz  
AMSL Height: 465.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

■ K285FI.C 1252576  
■ KJMM





0 0.3 0.6 0.9 1.2 1.5 km  
0 0.2 0.4 0.6 0.8 1 mi

35° 46' 07"N, 95° 24' 53"W (NAD27)  
Elevation 762.2 ft / 232.3 m (USGS NED)  
**Agency Hill, USGS Northwest Muskogee (OK) Quadrangle**  
Projection is UTM Zone 15 NAD83 Datum

M  
G  
M=0.817  
G=-1.412





