

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	35.38	36 01 10.0	70.000	9.9	72.2	15.09	-37.41*
			141.9	BLH19850501KY	95 39 24.0	346	533	Shamrock Communications, I		
285D Muskogee	K285FI	CP DC OK	48.9	14.13	35 51 07.8	0.042	31.1	9.3	-28.25	-33.12
			228.9	BNPFT20030828ACI	95 17 48.0	125	290	Edgewater Broadcasting, In		
287C2 Bixby	KJMM	LIC NCN OK	288.1	33.50	35 51 41.0	10.000	4.8	48.4	18.28	-15.53*
			107.9	BLH19960606KD	95 46 03.0	276	465	Kjmm, Inc.		
285A Bristow	KREK	LIC CN OK	271.5	94.51	35 47 11.0	5.000	88.2	30.2	-3.99	29.35
			90.9	BLH19960405KC	96 27 35.0	127	371	Big Chief Broadcasting Co.		
285C3 Nowata	KRIG-FM	LIC ZCX OK	343.4	111.07	36 43 37.0	7.639	101.6	38.8	-1.20	36.03
			163.2	BLH20060511ABN	95 46 18.0	175	404	Kcd Enterprises, Inc.		
286A Muldrow	AL7126	VAC OK	112.1	79.65	35 29 47.0	6.000	39.5	25.7	29.62	39.15
			292.6	RM10643	94 36 04.0	81	317	David P. Garland		
285A Springdale	KXNA	LIC CN AR	68.7	128.30	36 10 48.0	2.750	82.3	28.1	34.48	61.54
			249.5	BLH19921113KB	94 05 07.0	147	539	Butler Broadcasting Compan		
286A Mcalester	KTMC-FM	LIC NCN OK	196.8	90.59	34 59 13.0	1.600	39.9	26.5	40.47	49.80
			16.6	BLH19990517KA	95 42 10.0	170	357	Southeastern Oklahoma Radi		
285D Fort Smith	K285CN	LIC DEN AR	117.0	102.82	35 20 45.0	0.280	39.7	11.6	52.62	55.55
			297.5	BLFT19870804TG	94 24 20.0	75	212	Fred H. Baker, Jr.		

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.

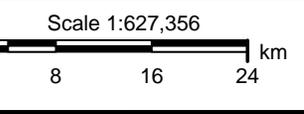
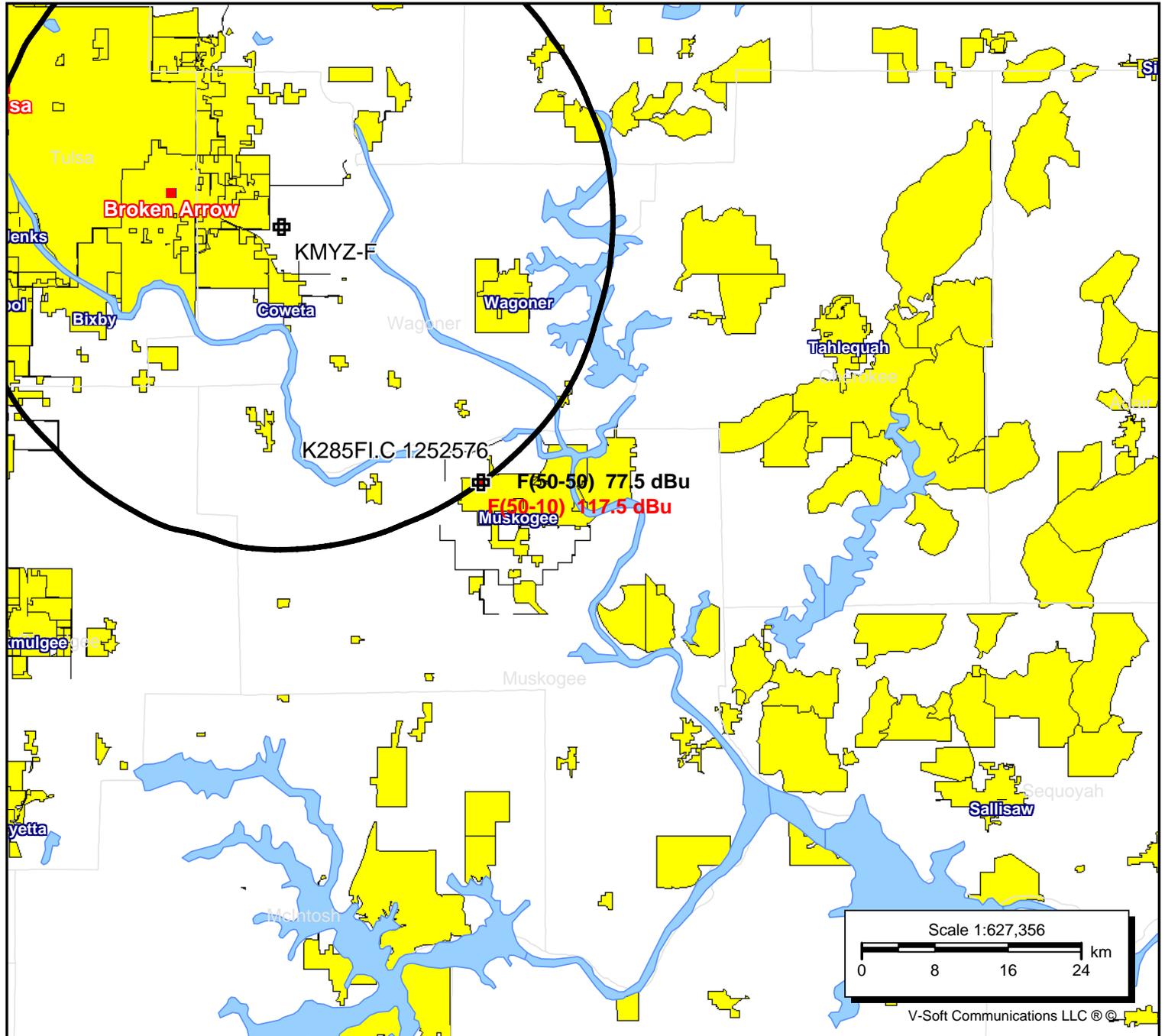
K285FI.C 1252576

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

KMYZ-F

BLH19850501KY
Latitude: 36-01-10 N
Longitude: 095-39-24 W
ERP: 70.00 kW
Channel: 283
Frequency: 104.5 MHz
AMSL Height: 533.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

- 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.

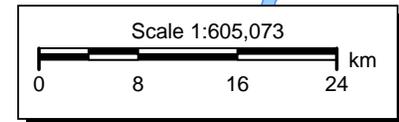
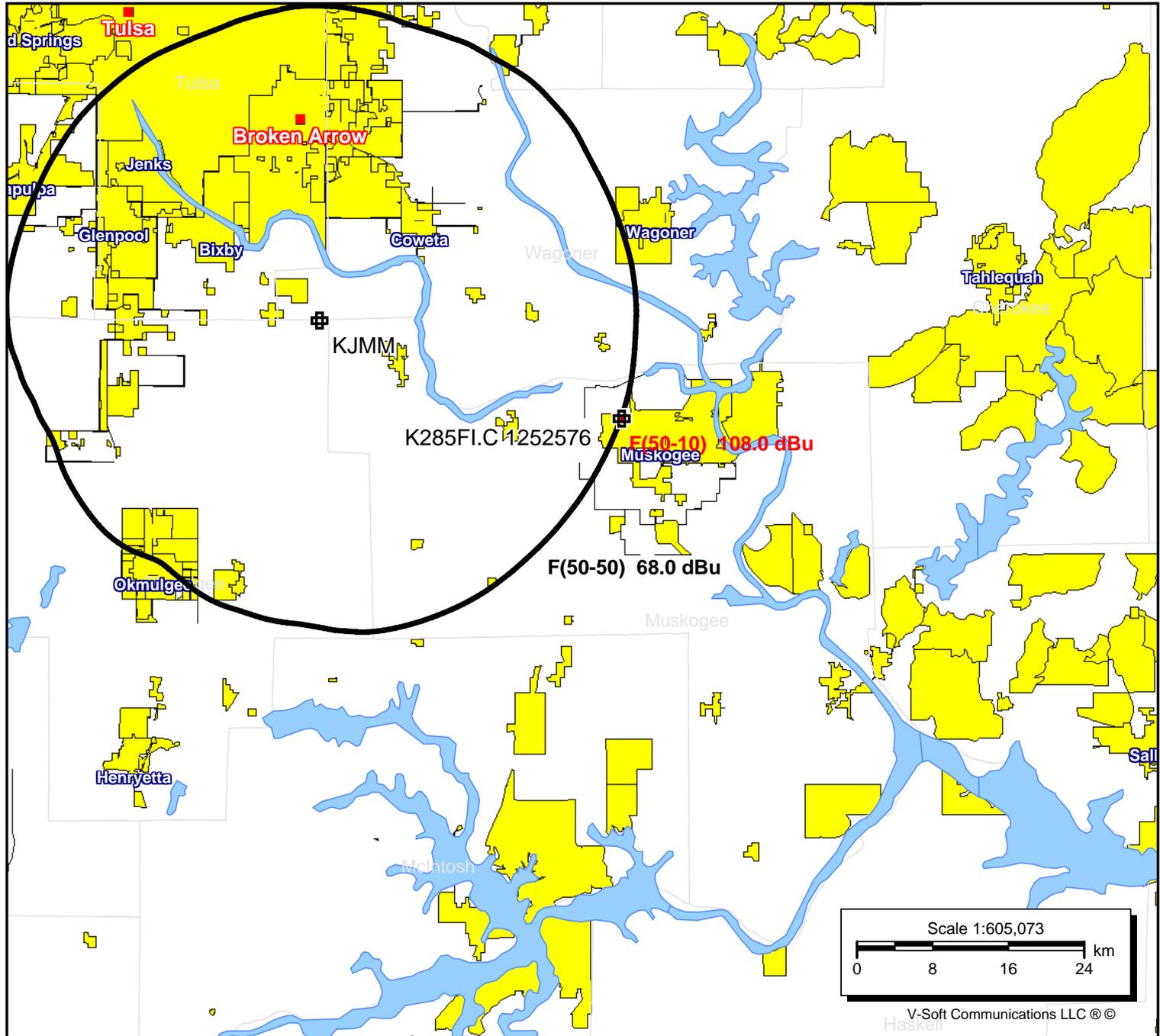
K285FI.C 1252576

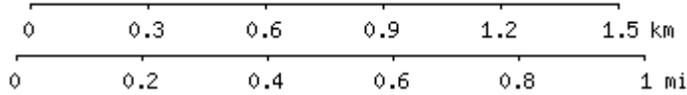
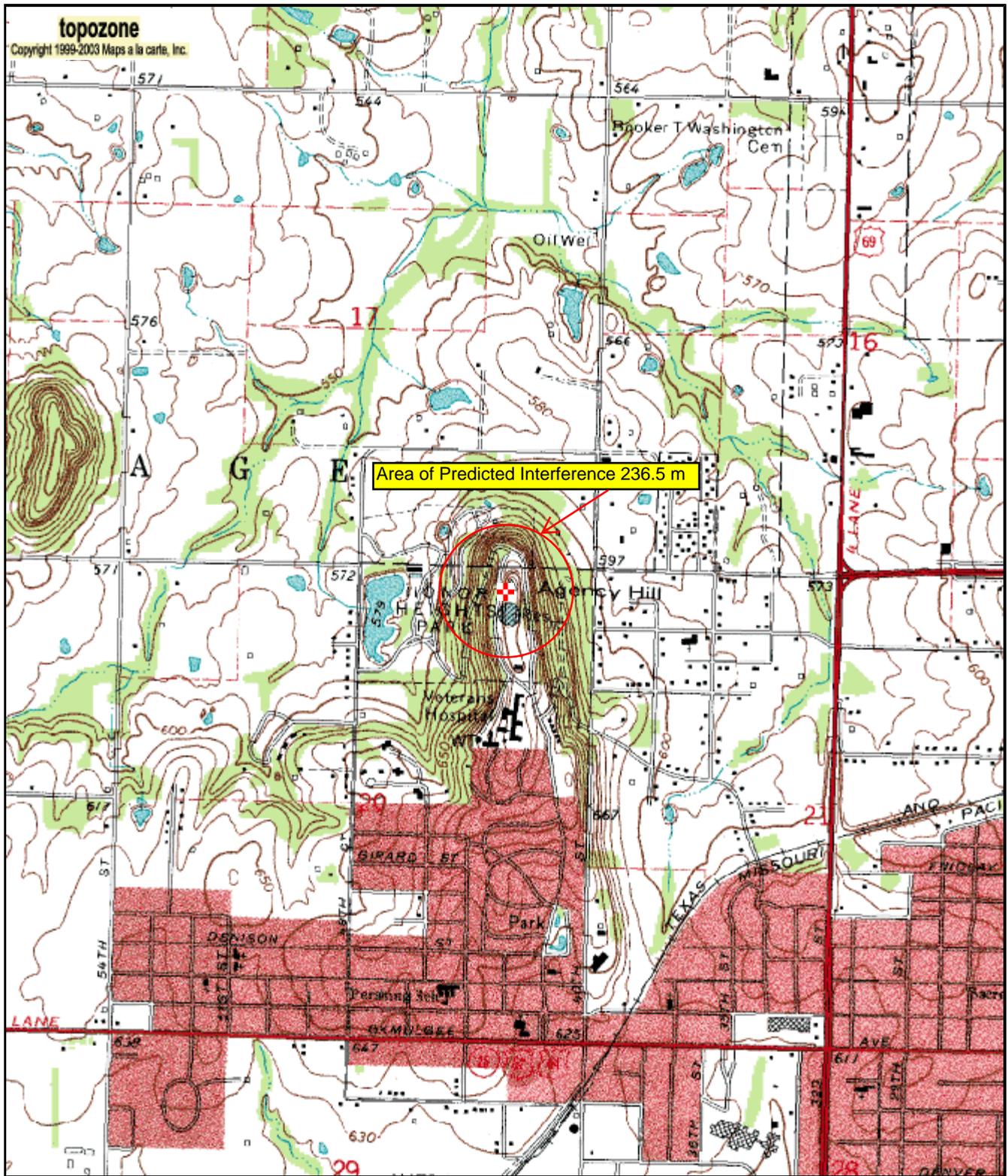
Latitude: 35-46-07 N
Longitude: 095-24-53 W
ERP: 0.072 kW
Channel: 285
Frequency: 104.9 MHz
AMSL Height: 304.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

KJMM

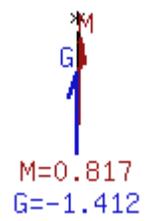
BLH19960606KD
Latitude: 35-51-41 N
Longitude: 095-46-03 W
ERP: 10.00 kW
Channel: 287
Frequency: 105.3 MHz
AMSL Height: 465.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

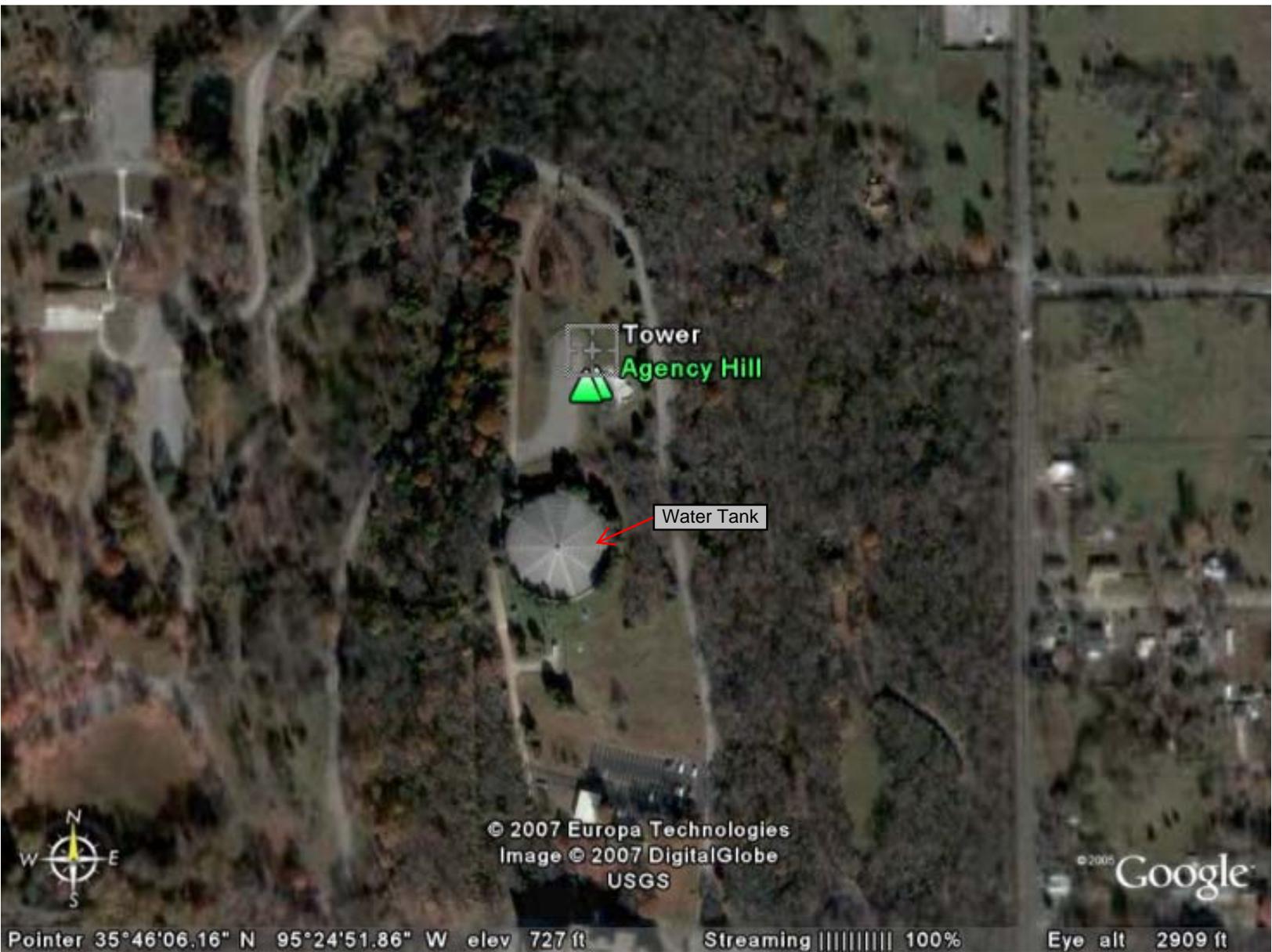
- K285FI.C 1252576
- KJMM

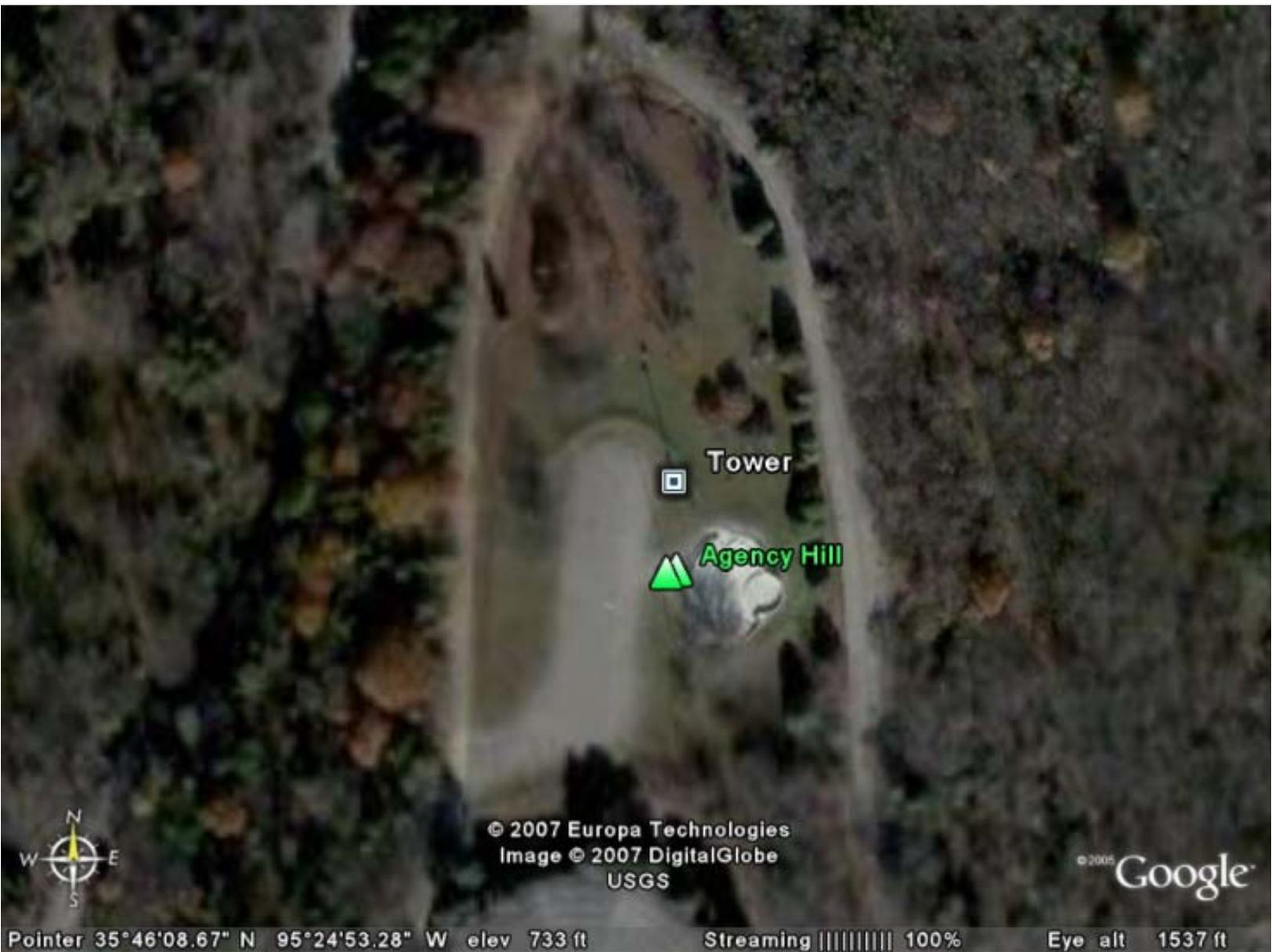




35° 46' 07"N, 95° 24' 53"W (NAD27)
Elevation 762.2 ft / 232.3 m (USGS NED)
Agency Hill, USGS Northwest Muskogee (OK) Quadrangle
Projection is UTM Zone 15 NAD83 Datum







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USGS

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Pointer 35°46'08.67" N 95°24'53.28" W elev 733 ft Streaming ||||| 100% Eye alt 1537 ft