

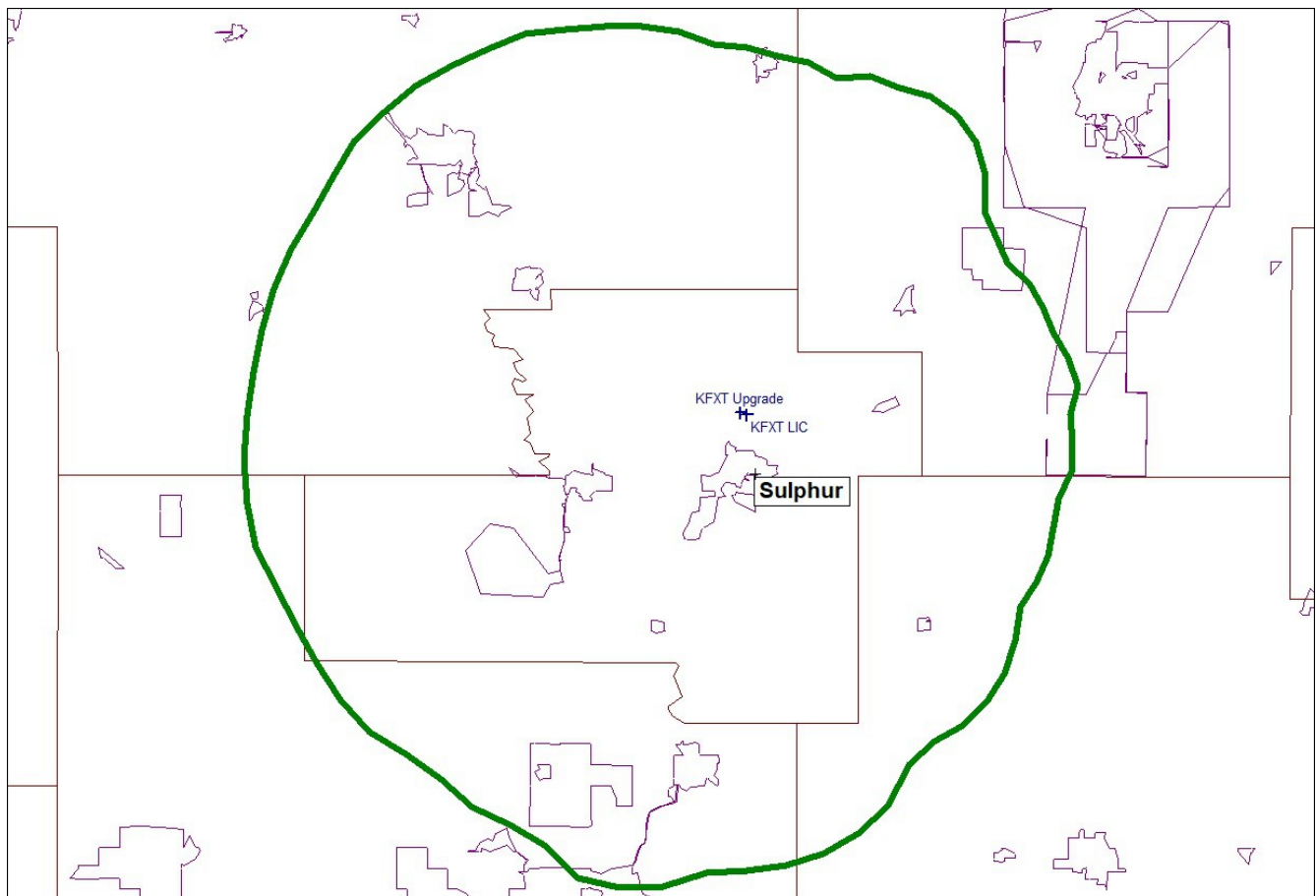
KFXT Sulphur, OK 214C3 FID #60510 BLED-20050601AXW

Application to Increase Power & Correct Geographic Coordinates

Houston Christian Broadcasters, Inc. licensee of KFXT (FM) Sulphur, OK asks to raise power from 7 to 14 kilowatts, change antenna to six bay, change height above ground to 76.5 meters, Height above average terrain to 89 meters.

has 7kw at 91 meters HAAT

Asks 14kw at 89 meters HAAT



Sulphur, OK is completely inside the 60 dbu contour of KFXT.



“KFXT (FM)” Marker in Green (Red “Licensed Location” Pin On Right
 34°32'57.32"N 96°58'35.06"W

Green “Actual Location” Pushpin On Left
 34°33'1.24"N 96°58'52.07"W

	Transformation #:	1	Region: Conus
	Latitude		Longitude
NAD 27 datum values:	34 32 57.00266		96 58 33.99854
NAD 83 datum values:	34 32 57.32000		96 58 35.06000
NAD 27 - NAD 83 shift values:	-0.31734		-1.06146 (secs.)
	-9.779		-27.063 (meters)
Magnitude of total shift:		28.776 (meters)	

	Transformation #:	1	Region: Conus
	Latitude		Longitude
NAD 27 datum values:	32 33 0.75006		96 08 51.16268
NAD 83 datum values:	32 33 1.24000		96 08 52.07000
NAD 27 - NAD 83 shift values:	-0.48994		-0.90732 (secs.)
	-15.092		-23.672 (meters)
Magnitude of total shift:		28.074 (meters)	

Distance between: 34 32 57. N Latitude, 96 58 33.99 W Longitude (Point 1)

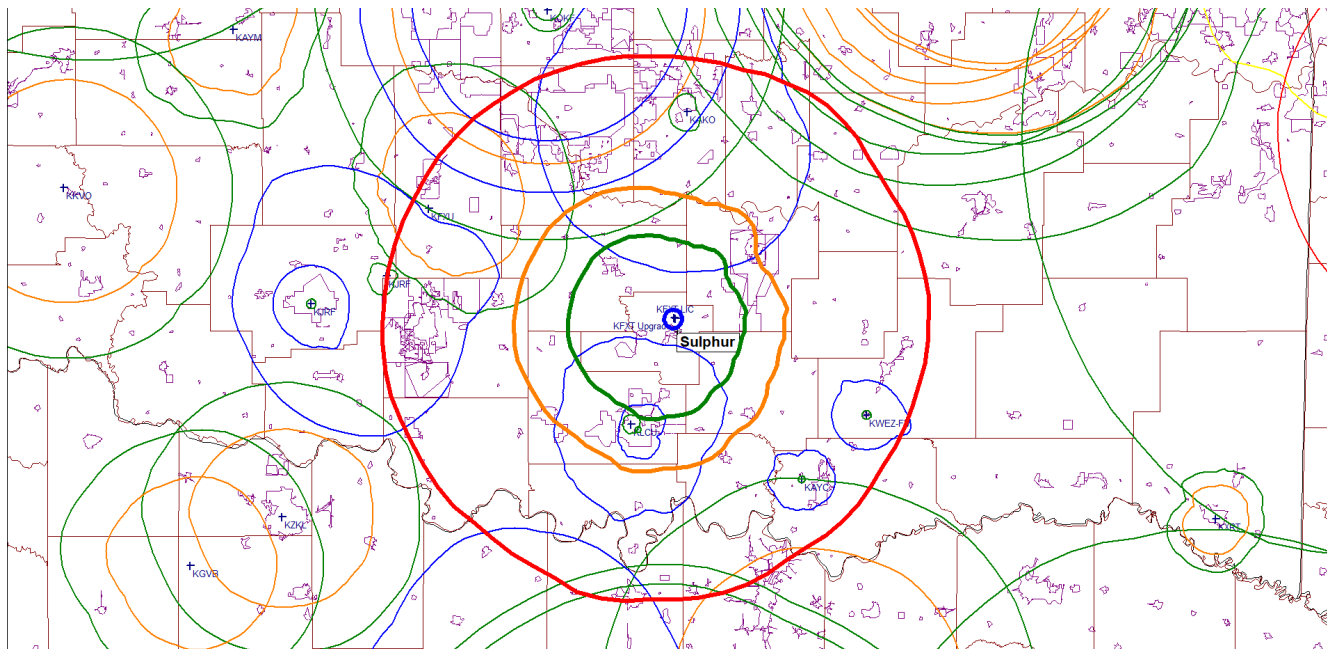
As decimals: 34.5491667 Latitude, -96.9761083 Longitude and

34 33 0.75 N Latitude, 96 58 51.16 W Longitude (Point 2)
 Discrepancy is **0.452 km at 284.85 degrees.**

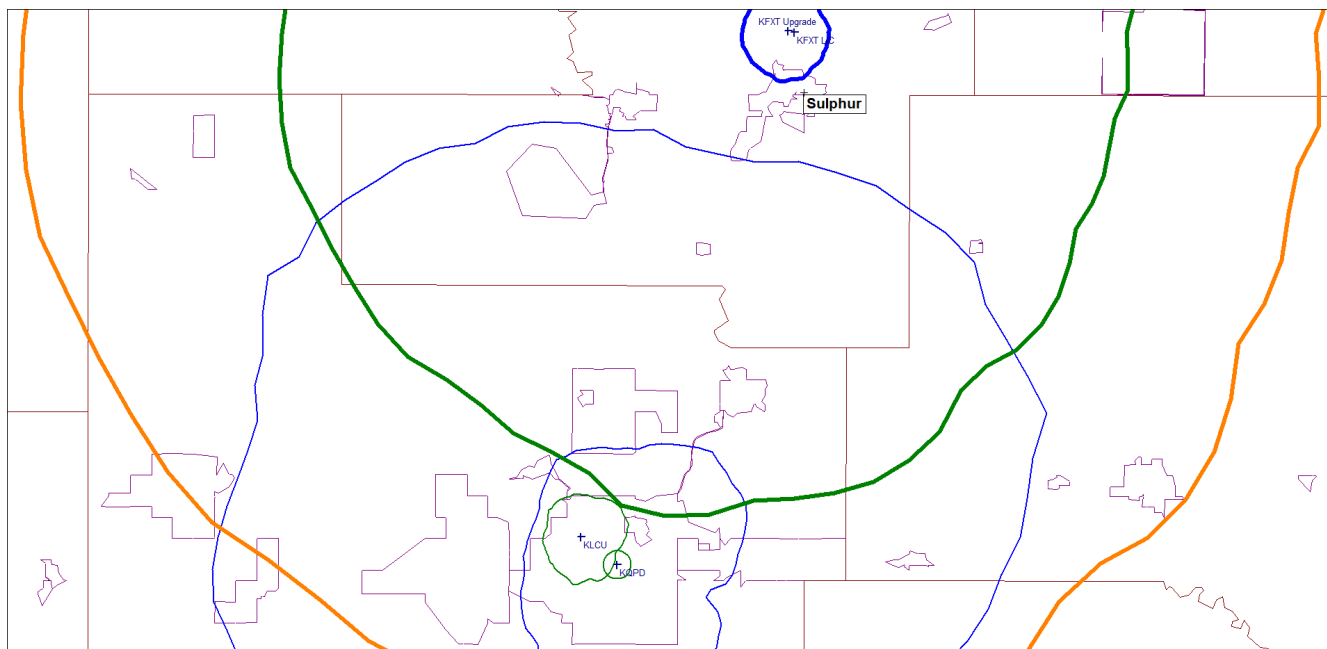
This shows the proposal in tabular form. The only shortage is to the existing, licensed KFXT.
ComStudy 2.2 search of channel 214 (90.7 MHz Class C3) at 34-33-01.2 N, 96-58-52.1 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE	
KFXT	SULPHUR	OK 214 C3	0.48	153.00	105.4	-35.86 dB	Subject of Application
KWFT-LP	FORT SMITH	AR 6 TV	291.20	0.00	60.7	0.0	
KBFW-LP	ARLINGTON	TX 6 TV	202.32	0.00	189.4	0.0	
KBFW-LP	ARLINGTON	TX 6 TV	202.32	0.00	189.4	0.0	
KXTY-LP	ELY	NV 6 TV	300.63	0.00	146.2	0.0	
KZFW-LP	DALLAS	TX 6 TV	218.08	0.00	179.6	0.0	
KZFW-LP	DALLAS	TX 6 TV	217.55	0.00	179.7	0.0	
KOKF	EDMOND	OK 215 C1	121.11	144.00	337.9	3.40 dB	
KLCU	ARDMORE	OK 212 C3	41.68	43.00	202.3	3.97 dB	
KAKO	ADA	OK 217 C1	75.19	76.00	3.6	6.04 dB	
KQPD	ARDMORE	OK 216 A	42.72	42.00	197.8	6.45 dB	
KFXU	CHICKASHA	OK 213 C3	97.93	99.00	294.4	9.32 dB	
KNYD	BROKEN ARROW	OK 213 C	184.46	176.00	36.2	9.14 dB	
KTXG	GREENVILLE	TX 213 C1	146.75	144.00	158.7	10.75 dB	
KNYD	BROKEN ARROW	OK 213 C	169.81	176.00	35.0	11.64 dB	
KCBI	DALLAS	TX 215 C	217.48	176.00	179.7	13.97 dB	
KCBI	DALLAS	TX 215 C	217.55	176.00	179.7	15.24 dB	
KNYD	BROKEN ARROW	OK 213 C	169.81	176.00	35.0	15.11 dB	
KNYD	BROKEN ARROW	OK 213 C	184.46	176.00	36.2	17.34 dB	
KNYD	BROKEN ARROW	OK 213 C	184.46	176.00	36.2	18.45 dB	
KLFH	FORT SMITH	AR 214 C0	309.80	226.00	76.3	19.23 dB	
KZKL	WICHITA FALLS	TX 213 C3	161.06	99.00	243.6	20.26 dB	
KUCO	EDMOND	OK 211 C1	122.47	76.00	338.2	20.15 dB	
KTAA	BIG SANDY	TX 214 C1	287.82	211.00	137.3	21.79 dB	
KAYC	DURANT	OK 216 A	75.12	42.00	141.3	22.65 dB	
KAYE-FM	TONKAWA	OK 214 A	237.83	142.00	353.2	24.93 dB	
KWEZ-FM	CANEY	OK 211 A	78.87	42.00	116.5	24.81 dB	
KJRF	LAWTON	OK 216 C1	106.13	76.00	278.7	27.91 dB	
KGVB	HOLLIDAY	TX 215 C3	199.22	99.00	243.6	27.84 dB	
KJOV	WOODWARD	OK 214 C2	302.66	177.00	313.6	27.66 dB	
KUCO	EDMOND	OK 211 C1	122.48	76.00	338.2	28.81 dB	
KLRC	TAHLEQUAH	OK 215 C1	276.40	144.00	48.1	29.42 dB	
KOKT-LP	TULSA	OK 215 LP100	193.62	67.00	29.5	31.40 dB	
KDKR	DECATUR	TX 217 C	139.92	96.00	202.8	32.44 dB	
KKVO	ALTUS	OK 215 C3	227.34	99.00	282.8	33.92 dB	
KCBI	DALLAS	TX 215 C	219.15	176.00	183.1	34.95 dB	
KXRT	IDABEL	OK 215 A	211.75	89.00	109.6	34.11 dB	
KGVV	GOLTRY	OK 213 C3	232.93	99.00	336.0	35.03 dB	
KAYM	WEATHERFORD	OK 213 A	191.49	89.00	303.9	35.00 dB	
KTRL	STEPHENVILLE	TX 213 C2	270.28	117.00	201.2	36.63 dB	
KMAC	ANTLERS	OK 212 A	130.04	42.00	105.5	37.99 dB	
KERA	DALLAS	TX 211 C0	218.10	87.00	179.6	39.36 dB	

This shows the allocation graphically



The closest consideration is to second/third adjacent KLCU, which is clear.



This report was prepared by
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It is accurate to the best of my knowledge. Information in database has been compared to the FCC CDBS sources.