

Technical Exhibit FCC Form 349  
SIGA Broadcasting Corp.  
Minor Change K273CS  
Facility ID 147278  
.25 kW Vertical

SIGA Broadcasting Corp, ("SIGA") the licensee of this facility proposes through this instant application to modify K273CS. The proposal is to modify the orientation of the existing directional antenna on the existing tower. This facility is a fill in translator for KFJZ (AM) FID 23138, Fort Worth, TX.

**Interference To Other Facilities**

The facility SIGA proposes complies with 47 CFR 74.1204 of the Commission's rules for interference to other facilities. There is no overlap of the proposed facility's interfering contours with the protected contours of any other application or facility, with the exception of KDGE (FM) FID9620m Ch. 271C Fort Worth-Dallas, TX and KDMX (FM) FID 47739. Ch. 275C, Dallas, TX. The contour of each of these two facilities that completely encompasses the proposed translator site is 87.81 dBu 50-50. The translator 127.81 dBu 50-10 contour extends a maximum of 45 meters from the base of the tower. When the antenna's vertical radiation pattern is considered, this contour never reaches ground level. The closest it comes to ground level is 74.314 meters above ground level at 26.4 meters from the base of the tower. Therefore no actual interference will occur as it never reaches ground level or leaves the property. See following pages for interference study and pattern.

**Environmental**

The proposed facility is an existing 86 meter tower owned by SIGA. This structure has no other users. The proposed antenna was studied using the OET FM Model program. Using the program with the EPA model, EPA Type 1, the worst-case model, the worst-case power density at 2 meters above ground level was found to be 1.155 microwatts/cm<sup>2</sup>. This occurs at 19 meters from the base of the tower. This is .57% of the maximum level for general population, uncontrolled exposure level, and exempts the facility from further study, as it is an insignificant contributor.

## K273CS

Siga Broadcasting Corporation

REFERENCE  
32 54 04.7 N.  
97 10 51.4 W.

CH# 273D

- 102.5 MHz, Pwr= 0.25 kW DA, HAAT= 54.3 M,  
Average Protected F(50-50)= 9.69 km  
Standard Directional

COR= 241 M

DISPLAY DATES  
DATA 06-15-17  
SEARCH 06-15-17

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
271C Fort worth-dallas	KDGE	LIC NC_ TX		150.1 330.2	40.03 BLH20141222AFE	32 35 20.0 96 58 05.0	100.000 545	13.4 736	90.8 Capstar Tx, Llc	20.4	-50.8*
275C Dallas	KDMX	LIC _C_ TX		150.1 330.2	40.05 BLH20141222AFH	32 35 19.5 96 58 04.9	100.000 545	13.4 736	90.8 Citicasters Licenses, Inc.	20.4	-50.7*
271C Fort worth-dallas	KDGE	LIC _CX TX		151.6 331.7	40.39 BLH20050713AAB	32 34 54.0 96 58 32.0	100.000 485	12.7 677	87.5 Capstar Tx, Llc	21.6	-47.1*
275C Dallas	KDMX	LIC _CX TX		151.6 331.7	40.39 BLH20050713AAA	32 34 54.0 96 58 32.0	100.000 485	12.7 677	87.5 Citicasters Licenses, Inc.	21.6	-47.1*
273C2 Whitesboro	KMAD-FM	LIC NC_ TX		37.7 218.1	111.46 BLH20030117ABC	33 41 31.0 96 26 36.0	18.000 205	122.4 393	49.0 Alpha Media Licensee Llc	-20.9*	31.8
273D Dallas	K273BJ	LIC _C_ TX		107.9 288.1	44.20 BLFT20090121ADC	32 46 43.0 96 43 51.0	0.250 135	51.3 281	15.8 Inspiration Media Of Texas	-16.1*	0.2
273C1 Hillsboro	KBRQ	LIC ZCX TX		179.0 359.0	119.70 BMLH20161018AAT	31 49 29.3 97 09 32.2	100.000 137	120.5 305	43.7 Clear Channel Broadcasting	-2.4*	66.7
273L1 Denton	NEW	CP ____ TX		0.3 180.3	27.18 BNPL20131113BEI	33 08 45.0 97 10 46.0	0.029 55		0.3 Organizacion Cristiana La		0.9
273D Fort worth	K273CS	LIC DV_ TX		191.9 11.9	34.10 BLFT20160822ABM	32 36 04.0 97 15 22.0	0.200	29.7 270	7.4 Siga Broadcasting Corporat	2.1	19.5
273L1 Fort worth	KEFW-LP	CP ____ TX		242.6 62.4	23.91 BNPL20131112AGY	32 48 07.0 97 24 29.0	0.011 88		2.4 North Fort Worth Hispanic		12.9
219C0 Dallas	KKXT	LIC _C_ TX		150.0 330.1	40.68 BLED20140903AFT	32 35 02.0 96 57 48.0	19.500 572	17.9 764	5.5 North Texas Public Broadca	24.5R	16.2M
273D Mineral wells	K273CP	LIC _V_ TX		252.9 72.5	60.55 BLFT20160809ABD	32 44 21.0 97 47 59.0	0.020	27.3 438	8.1 Cssi Non Profit Educationa	31.7	47.7

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
"\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

**K273CS Proposed**

Latitude: 32-54-04.70 N  
Longitude: 097-10-51.40 W  
ERP: 0.25 kW  
Channel: 273  
Frequency: 102.5 MHz  
AMSL Height: 241.0 m  
Elevation: 204.0 m  
Horiz. Pattern: Directional  
HAAT: 54.3 m

**KFJZ 2 mV/m**

**Proposed Site**

Denton

Frisco

McKinney

The Colony

Allen

Lewisville

Flower Mound

Plano

Keller

Grapevine

Carrollton

Richardson

Garland

Colleyville

University Park

Irving

Dallas

Mesquite

North Richland Hills

Haltom City

White Settlement

Fort Worth

Arlington

Balch Springs

Benbrook

Forest Hill

Duncanville

Seagoville

KFJZ

K273CS

Burleson

Mansfield

DeSoto

Cleburne

Waxahachie

Ennis

**KFJZ**

Latitude: 32-36-03 N  
Longitude: 097-15-21 W  
ERP: 1.00 kW  
Channel: 870  
Frequency: 88.1 MHz  
AMSL Height: 100.0 m  
Elevation: 0.0 m  
Horiz. Pattern: Omni  
HAAT: 1.0 m

Scale 1:750,000

