

Technical Exhibit FCC Form 349  
SIGA Broadcasting Corp.  
Minor Change K235CS  
Facility ID 147229  
.25 kW Vertical

SIGA Broadcasting Corp, ("SIGA") the licensee of this facility proposes through this instant application to modify K235CS. The proposal is to translator to an existing tower using a directional antenna. This facility is a fill in translator for KLVN (AM) FID 56148, Pasadena, TX. The resulting 60 dBu contour does not exceed the 2 mV/m contour of the AM.

**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 KTBZ-FM FID 18516 Ch. 233C Houston, TX The contour of this facility that completely encompasses the proposed translator site is 81.02 dBu dBu 50-50. The translator 121.073 dBu 50-10 contour extends a maximum of 97 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 51.94 meters above ground level at 63 meters from the base of the tower. Therefore no actual interference will occur, as it never reaches ground level.

**Environmental**

The proposed facility is an existing 81.9 meter tower. 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 is 1.49 microwatts/centimeter<sup>2</sup> which occurs at 16.8 meters from the base of the tower. This is .745% of the maximum level for general population, uncontrolled exposure level, and exempts the facility from further study, as it is an insignificant contributor.

K235CS Prop											
Siga Broadcasting Corporation											
REFERENCE		CH# 235D - 94.9 MHz, Pwr= 0.25 kW DA, HAAT= 75.5 M, COR= 109 M								DISPLAY DATES	
29 57 06.0 N.		Average Protected F(50-50)= 11.27 km								DATA 09-14-18	
95 30 08.0 W.		Standard Directional								SEARCH 09-17-18	
CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
233C Houston	KTBZ-FM	LIC _C_	TX	181.0 1.0	41.63 BMLH20090424AAB	29 34 34.0 95 30 36.0	100.000 585	13.5 605	91.2	19.2	-50.1*
235C1 Ganado	KHTZ	LIC _CX	TX	215.4 35.0	144.26 BLH20130128AMT	28 53 22.0 96 21 41.0	100.000 299	171.2 308	71.8	-37.7*	36.5 S Content Marketing, Llc
235D Houston	K235CS	LIC DH_	TX	0.0 0.0	0.00 BLFT20171010AEX	29 57 06.0 95 30 08.0	0.250	109	---	Reference---	Siga Broadcasting Corporat
235L1 Houston	KRUT-LP	LIC ____	TX	142.1 322.1	15.05 BLL20161123ABR	29 50 41.0 95 24 22.0	0.100 30	52	---	Reference---	0.3 Templo De Dios, Org 3
235D Houston	K235CS	CP DV_	TX	0.0 0.0	0.00 BPFT20180425ABN	29 57 06.0 95 30 08.0	0.250	109	---	Reference---	Siga Broadcasting Corporat
236D Missouri City	K236AR	LIC _C_	TX	181.0 1.0	43.17 BLFT20130819AEK	29 33 44.0 95 30 35.0	0.099	37.7 571	24.6	-3.5	7.0 Daij Media, Llc
289C Houston	KHCB-FM	LIC _CN	TX	179.6 359.6	42.49 BMLED19911024KB	29 34 06.0 95 29 57.0	100.000 492	0.0 511	0.0	28.5R	14.0M Houston Christian Broadcas
235L1 Conroe	KKFH-LP	LIC ____	TX	6.9 186.9	39.76 BLL20180220ACJ	30 18 28.0 95 27 08.0	0.042 46	107	15.3	27.1	Fuente De Vida - Conroe, I
235L1 Pasadena	KPFG-LP	LIC ____	TX	132.8 312.9	39.03 BLL20180111ADW	29 42 46.6 95 12 19.3	0.100 12	21	15.9	27.0	Centro Cristiano Nuevo Ama
237D Conroe	K237FS	LIC DV_	TX	357.0 177.0	47.39 BLFT20170217ABU	30 22 43.0 95 31 41.0	0.075	0.4 226	11.0	43.8	35.8 Educational Media Foundati
236C2 College Station	KNDE	LIC _CX	TX	312.9 132.5	120.58 BMLH20100916ABS	30 41 15.0 96 25 32.0	38.000 171	75.9 260	51.4	37.3	63.2 Bryan Broadcasting License

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.  
« = Station meets FCC minimum distance spacing for its class.

K235CS.C Houston, TX, Showing Protection to KTBZ-FM  
 Geographic Coordinates: N. 29 5 7 06.0 W. 95 3 0 08.0  
 74.1204(d) Study - Using NED 03 SEC Terrain Database  
 Translator Maximum Licensed ERP = 0.25  
 Translator Antenna Height AG = 75 Meters  
 K235CS.C Antenna Model = NIC BKL/8

Protected Station's Contour = 81.07392 dBu  
 Translator's full Interference contour 121.07392

Review Azimuth = 239 Degrees True  
 Horizontal Relative Field at Review Azimuth = 0.996  
 Translator/LPFM ERP on the horizontal at Review Azimuth = 0.248 kW  
 Distance between stations = 41.8 km  
 Protected Station= KTBZ-FM, 100 kW, 605 M Meters COR AMSL

Depression Angle From Degree(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.2491	097.8342	097.8342	075.000
05.00	0.977	1.0	0.2378	095.5840	095.2203	066.669
10.00	0.915	1.0	0.2086	089.5183	088.1583	059.455
15.00	0.815	1.0	0.1655	079.7349	077.0180	054.363
20.00	0.689	1.0	0.1183	067.4078	063.3426	051.945
25.00	0.549	1.0	0.0751	053.7110	048.6787	052.301
30.00	0.405	1.0	0.0409	039.6229	034.3144	055.189
35.00	0.269	1.0	0.0180	026.3174	021.5580	059.905
40.00	0.149	1.0	0.0055	014.5773	011.1669	065.630
45.00	0.051	1.0	0.0006	004.9895	003.5281	071.472
50.00	0.023	1.0	0.0001	002.2502	001.4464	073.276
55.00	0.071	1.0	0.0013	006.9462	003.9842	069.310
60.00	0.097	1.0	0.0023	009.4899	004.7450	066.781
65.00	0.099	1.0	0.0024	009.6856	004.0933	066.222
70.00	0.075	1.0	0.0014	007.3376	002.5096	068.105
75.00	0.049	1.0	0.0006	004.7939	001.2407	070.369
80.00	0.024	1.0	0.0001	002.3480	000.4077	072.688
85.00	0.015	1.0	0.0001	001.4675	000.1279	073.538
90.00	0.015	1.0	0.0001	001.4675	000.0000	073.532