Technical Exhibit FCC Form 349
SIGA BROADCASTING CORPORATION
Minor Modification Application K260AS
BPFT20160729ACT
Facility ID# 147229
.058 kW Horizontal and Vertical
Channel 237D
Pasadena, TX

Purpose Of Application

SIGA BROADCASTING CORPORATION, ("SIGA"), the licensee of K260AS proposes through this instant application to modify and relocate K260AS. This proposal is to file for use as a fill in translator for use with the co-owned KLVL (AM) FID 56148, Pasadena, TX. The proposed facility is an existing antenna structure tower of KLVL (ASR 1236412) at .058 kW horizontal and vertical at a height above average terrain of 56 m. The HAAT was calculated using the Computer program V-Soft FMCommander using 12 radials in compliance with the methodology of 47CFR 73.313. FCC 03 second terrain data was used for all contour calculations. The antenna used for the proposed facility is a SWR FMEC2, two section, full wave spaced antenna at 65 meters above ground level. This is an existing structure. The proposed facility is within 402.336 kilometers at 209.5 kilometers of the license, which permits SIGA to file this as a minor change as this is to be used with KLVL. See the following page for a demonstration of contours.

Interference To Other Facilities

This proposed facility complies with 47CFR 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 third adjacent Ch. 239C KKHH, Houston, TX, FID 25449. SIGA demonstrates in this application that no actual interference will occur, as no population is covered by the interference contour to either of these facilities, as the interference contour never reaches ground level in the area where the proposed translator has an interfering signal 40 dB more than that of the contour of the protected facility.

KKHH has a calculated contour of 85.236 dBu 50-50 at the proposed translator location as it is located at a nearby tower in Missouri City. The interference contour of the proposed facility, 125.236 dBu 50-10, is calculated by free space method to extend 29.23 meters from the base of the translator antenna support structure. As shown in the following exhibit, this contour does not reach ground level when the vertical radiation pattern of the SWR FMEC2 antenna is taken into consideration. No actual interference will occur anywhere at ground level, as this interference contour does not reach the ground at any point. The minimum height above ground level of this interference contour is 52.29 meters. See the following pages for exhibits depicting these statements.

The existing 68.6 meter tower for the proposed K260AS site is located in an industrial area. SIGA acknowledges that operation of this facility will cease if there are any complaints of interference. See the following pages for demonstration of no interference and compliance with 74.1204 d.

Environmental

The proposed location is an existing tower. The antenna proposed above was studied using the OET FM model program. Using this program with the EPA Antenna Type 2 for a 2 bay full wave spaced antenna, the power density at 2 meters above ground level was found to be .1831 microwatts/cm², which occurs 42 meters from the base of the support structure. This is .09% of the maximum level for the general population uncontrolled exposure level and exempts the facility from further study, as it is an insignificant contributor.

Ch 237 D Pasadena
SIGA Broadcasting Corporation

REFERENCE CH# 237D - 95.3 MHz, Pwr= 0.058 kW DA, HAAT= 56.1 M, COR= 65 M DISPLAY DATES
29 41 01.0 N. Average Protected F(50-50)= 6.71 km DATA 11-28-16
95 11 10.4 W. Standard Directional SEARCH 11-28-16

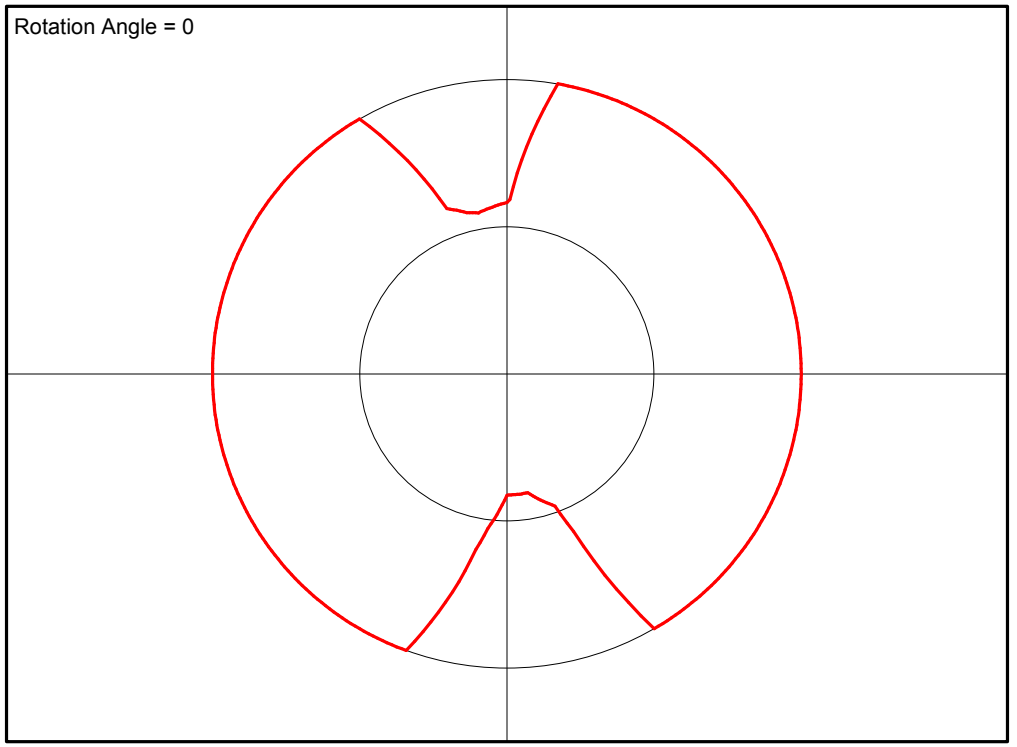
CH CALL / CITY	TYPE ANT / STATE	AZI <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT*
239C KKHH Houston	LIC _C_ TX	249.2 69.0	33.49 BMLH20060127AFY	29 34 34.0 95 30 36.0	100.000 585	13.5 605	91.3 Cbs Radio Texas Inc.	13.4	-58.4*
236D K236AR Missouri City	LIC _C_ TX	246.7 66.6	34.05 BLFT20130819AEK	29 33 44.0 95 30 35.0	0.099	37.8 571	24.6 Daij Media, Llc	-10.3*	0.0
237L1 KEPH-LP Friendswood	LIC ___ TX	173.9 353.9	19.53 BLL20150730ACT	29 30 32.0 95 09 53.0	0.088 32	 40	 Calvary Chapel Southeast H	-4.5	0.1
237L1 NEW Houston	CP ___ TX	350.8 170.8	22.49 BMPL20141224ABU	29 53 00.1 95 13 24.6	0.100 24	 39	 Sanacion De Familia	-2.4	0.2
237C3 KJJB Eagle Lake	LIC _CX TX	266.1 85.5	127.05 BLH20120521AAN	29 35 58.0 96 29 51.0	25.000 100	114.5 162	39.9 Jennifer Cremeens	5.9	64.8
237L1 1641183 Houston	APP ___ TX	305.0 124.8	39.62 BNPL20131114BXE	29 53 15.0 95 31 23.0	0.011 89	 120	 Centro De Fe Y Avivamineto	13.5	10.7
237C3 KJJB Eagle Lake	CP ZCX TX	271.0 90.3	136.60 BPH20140710AAB	29 41 55.0 96 36 02.0	25.000 100	116.5 177	41.4 Jennifer Cremeens	13.5	72.8
237C3 KJJB Eagle Lake	APP ZCX TX	271.2 90.5	133.98 BMPH20160926ADV	29 42 03.0 96 34 24.0	25.000 66	109.1 140	34.3 Jennifer Cremeens	18.2	76.9
236C1 KYKR Beaumont	LIC _CN TX	69.8 250.4	123.61 BLH19990225KB	30 03 43.0 93 58 50.0	100.000 131	85.0 132	55.5 Capstar Tx, Llc	31.8	58.3
237D K237FS Conroe	LIC _C_ TX	338.3 158.1	74.68 BLFT20160520AAM	30 18 26.0 95 28 28.0	0.040 138	34.5 194	10.3 Educational Media Foundati	33.6	45.0
237D K237FS Conroe	APP DC_ TX	337.0 156.8	83.98 BPFT20161110AAU	30 22 43.0 95 31 41.0	0.062	41.0 247	12.4 Educational Media Foundati	36.3	52.1
237L1 KTTF-LP Tomball	LIC ___ TX	310.5 130.3	66.36 BLL20151127ADI	30 04 13.2 95 42 38.2	0.009 98	 156	 City Of Tomball	39.7	38.0
237L1 KORG-LP Cleveland	LIC ___ TX	7.5 187.5	75.69 BLL20150622AHC	30 21 31.0 95 05 00.0	0.064 38	 84	 Operation Refuge, Inc.	47.4	47.5

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.
Reference station has protected zone issue: AM tower

Antenna Pattern

Pre-Rotation Antenna Pattern....

Azimuth (deg)	Relative Field
0.0	0.582
10.0	1.0
20.0	1.0
30.0	1.0
40.0	1.0
50.0	1.0
60.0	1.0
70.0	1.0
80.0	1.0
90.0	1.0
100.0	1.0
110.0	1.0
120.0	1.0
130.0	1.0
140.0	1.0
150.0	1.0
160.0	0.478
170.0	0.41
180.0	0.412
190.0	0.605
200.0	1.0
210.0	1.0
220.0	1.0
230.0	1.0
240.0	1.0
250.0	1.0
260.0	1.0
270.0	1.0
280.0	1.0
290.0	1.0
300.0	1.0
310.0	1.0
320.0	1.0
330.0	1.0
340.0	0.597
350.0	0.555



11-28-2016 Terrain Data: NED 03 SEC FMOver Analysis

K236AR BLFT20130819AEK K260AS Pasadena

Channel = 236D	Channel = 237D
Max ERP = 0.099 kW	Max ERP = 0.058 kW
RCAMSL = 571 m	RCAMSL = 65 m
N. Lat. 29 33 44.0	N. Lat. 29 41 01.0
W. Lng. 95 30 35.0	W. Lng. 95 11 10.4
Protected	Interfering
60 dBu	54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	ist (km)	Actual (dBu)	IX (km)
007.0	000.0990	0551.1	024.6	291.2	000.0580	0055.8	030.3	34.8	
008.0	000.0990	0551.3	024.6	291.4	000.0580	0055.8	029.8	35.1	
009.0	000.0990	0551.4	024.6	291.6	000.0580	0055.8	029.4	35.3	
010.0	000.0990	0551.6	024.6	291.7	000.0580	0055.8	029.0	35.5	
011.0	000.0990	0551.5	024.6	291.9	000.0580	0055.8	028.6	35.8	
012.0	000.0990	0551.6	024.6	292.1	000.0580	0055.8	028.2	36.0	
013.0	000.0990	0551.9	024.6	292.2	000.0580	0055.9	027.7	36.3	
014.0	000.0990	0552.1	024.6	292.4	000.0580	0055.9	027.3	36.6	
015.0	000.0990	0552.2	024.6	292.5	000.0580	0056.0	026.9	36.8	
016.0	000.0990	0552.1	024.6	292.6	000.0580	0056.0	026.5	37.1	
017.0	000.0990	0551.9	024.6	292.7	000.0580	0056.0	026.0	37.4	
018.0	000.0990	0551.8	024.6	292.8	000.0580	0056.0	025.6	37.7	
019.0	000.0990	0551.9	024.6	292.8	000.0580	0056.0	025.2	38.0	
020.0	000.0990	0551.9	024.6	292.9	000.0580	0056.0	024.8	38.3	
021.0	000.0990	0552.1	024.6	293.0	000.0580	0056.0	024.3	38.6	
022.0	000.0990	0552.3	024.6	293.0	000.0580	0056.0	023.9	38.9	
023.0	000.0990	0552.3	024.6	293.0	000.0580	0056.0	023.5	39.3	
024.0	000.0990	0552.3	024.6	293.0	000.0580	0056.0	023.0	39.6	
025.0	000.0990	0552.2	024.6	293.0	000.0580	0056.0	022.6	39.9	
026.0	000.0990	0552.1	024.6	292.9	000.0580	0056.0	022.2	40.2	
027.0	000.0990	0552.2	024.6	292.8	000.0580	0056.0	021.8	40.6	
028.0	000.0990	0552.2	024.6	292.7	000.0580	0056.0	021.3	40.9	
029.0	000.0990	0552.1	024.6	292.6	000.0580	0056.0	020.9	41.3	
030.0	000.0990	0552.0	024.6	292.4	000.0580	0056.0	020.5	41.6	
031.0	000.0990	0552.1	024.6	292.3	000.0580	0055.9	020.1	41.9	
032.0	000.0990	0552.0	024.6	292.1	000.0580	0055.8	019.6	42.3	
033.0	000.0990	0552.2	024.6	291.8	000.0580	0055.8	019.2	42.6	
034.0	000.0990	0552.4	024.6	291.6	000.0580	0055.8	018.8	43.0	
035.0	000.0990	0552.5	024.6	291.3	000.0580	0055.8	018.4	43.3	
036.0	000.0990	0552.7	024.6	291.0	000.0580	0055.8	017.9	43.7	
037.0	000.0990	0553.0	024.6	290.6	000.0580	0055.6	017.5	44.0	
038.0	000.0990	0553.1	024.6	290.2	000.0580	0055.4	017.1	44.4	
039.0	000.0990	0553.1	024.6	289.7	000.0580	0055.2	016.7	44.7	
040.0	000.0990	0553.0	024.6	289.2	000.0580	0055.3	016.3	45.0	
041.0	000.0990	0552.9	024.6	288.6	000.0580	0055.3	015.9	45.4	
042.0	000.0990	0552.5	024.6	288.0	000.0580	0055.3	015.5	45.7	
043.0	000.0990	0552.7	024.6	287.3	000.0580	0055.3	015.1	46.1	
044.0	000.0990	0553.1	024.6	286.6	000.0580	0055.2	014.7	46.2	
045.0	000.0990	0553.1	024.6	285.8	000.0580	0055.0	014.4	46.7	

046.0	000.0990	0553.0	024.6	284.9	000.0580	0055.2	014.0	47.2
047.0	000.0990	0553.1	024.6	284.0	000.0580	0055.4	013.6	47.6
048.0	000.0990	0553.2	024.6	283.0	000.0580	0056.1	013.3	48.2
049.0	000.0990	0553.3	024.6	281.9	000.0580	0055.6	012.9	48.6
050.0	000.0990	0553.5	024.6	280.7	000.0580	0055.4	012.6	49.1
051.0	000.0990	0553.6	024.6	279.4	000.0580	0055.4	012.3	49.6
052.0	000.0990	0553.7	024.6	278.0	000.0580	0055.2	011.9	50.1
053.0	000.0990	0553.7	024.6	276.5	000.0580	0055.3	011.6	50.5
054.0	000.0990	0553.9	024.6	274.9	000.0580	0055.5	011.3	51.0
055.0	000.0990	0553.9	024.6	273.3	000.0580	0055.0	011.1	51.4
056.0	000.0990	0553.7	024.6	271.4	000.0580	0054.8	010.8	51.8
057.0	000.0990	0553.5	024.6	269.5	000.0580	0054.5	010.6	52.1
058.0	000.0990	0553.4	024.6	267.5	000.0580	0054.6	010.4	52.5
059.0	000.0990	0553.3	024.6	265.3	000.0580	0054.8	010.2	52.9
060.0	000.0990	0553.2	024.6	263.1	000.0580	0054.9	010.0	53.2
061.0	000.0990	0553.0	024.6	260.8	000.0580	0054.6	009.8	53.4
062.0	000.0990	0552.7	024.6	258.4	000.0580	0054.2	009.7	53.6
063.0	000.0990	0552.5	024.6	255.9	000.0580	0054.2	009.6	53.8
064.0	000.0990	0552.4	024.6	253.4	000.0580	0054.3	009.5	53.9
065.0	000.0990	0552.3	024.6	250.8	000.0580	0053.7	009.5	53.9
066.0	000.0990	0552.2	024.6	248.2	000.0580	0053.3	009.5	53.9
067.0	000.0990	0552.1	024.6	245.6	000.0580	0053.2	009.5	53.9
068.0	000.0990	0552.1	024.6	243.0	000.0580	0052.9	009.5	53.8
069.0	000.0990	0552.0	024.6	240.5	000.0580	0052.5	009.5	53.6
070.0	000.0990	0552.1	024.6	237.9	000.0580	0052.1	009.6	53.4
071.0	000.0990	0552.2	024.6	235.5	000.0580	0052.1	009.7	53.2
072.0	000.0990	0552.3	024.6	233.0	000.0580	0052.2	009.8	53.0
073.0	000.0990	0552.4	024.6	230.7	000.0580	0052.1	010.0	52.7
074.0	000.0990	0552.5	024.6	228.5	000.0580	0052.1	010.2	52.5
075.0	000.0990	0552.5	024.6	226.3	000.0580	0052.2	010.4	52.1
076.0	000.0990	0552.6	024.6	224.3	000.0580	0052.2	010.6	51.8
077.0	000.0990	0552.7	024.6	222.4	000.0580	0052.3	010.8	51.4
078.0	000.0990	0552.9	024.6	220.5	000.0580	0052.2	011.1	51.0
079.0	000.0990	0552.9	024.6	218.8	000.0580	0052.4	011.3	50.6
080.0	000.0990	0553.0	024.6	217.2	000.0580	0052.4	011.6	50.1
081.0	000.0990	0552.8	024.6	215.7	000.0580	0052.6	011.9	49.7
082.0	000.0990	0552.6	024.6	214.4	000.0580	0052.7	012.2	49.2
083.0	000.0990	0552.5	024.6	213.1	000.0580	0052.5	012.6	48.7
084.0	000.0990	0552.3	024.6	211.9	000.0580	0052.4	012.9	48.2
085.0	000.0990	0552.3	024.6	210.7	000.0580	0052.6	013.2	47.7
086.0	000.0990	0552.2	024.6	209.7	000.0580	0052.7	013.6	47.3
087.0	000.0990	0552.1	024.6	208.8	000.0580	0052.7	014.0	46.8
088.0	000.0990	0552.0	024.6	207.9	000.0580	0052.7	014.3	46.3
089.0	000.0990	0551.9	024.6	207.1	000.0580	0052.8	014.7	45.9
090.0	000.0990	0551.9	024.6	206.3	000.0580	0052.9	015.1	45.7
091.0	000.0990	0551.9	024.6	205.6	000.0580	0053.1	015.5	45.4
092.0	000.0990	0551.8	024.6	205.0	000.0580	0053.2	015.9	45.1
093.0	000.0990	0551.7	024.6	204.4	000.0580	0053.3	016.3	44.7
094.0	000.0990	0551.6	024.6	203.9	000.0580	0053.3	016.7	44.4
095.0	000.0990	0551.5	024.6	203.5	000.0580	0053.3	017.1	44.0
096.0	000.0990	0551.5	024.6	203.0	000.0580	0053.3	017.5	43.7
097.0	000.0990	0551.4	024.6	202.6	000.0580	0053.3	017.9	43.3
098.0	000.0990	0551.3	024.6	202.3	000.0580	0053.3	018.3	43.0
099.0	000.0990	0551.4	024.6	202.0	000.0580	0053.4	018.7	42.7
100.0	000.0990	0551.3	024.6	201.7	000.0580	0053.5	019.1	42.3
101.0	000.0990	0551.2	024.6	201.5	000.0580	0053.5	019.6	42.0

102.0 000.0990 0551.1 024.6 | 201.3 000.0580 0053.5 020.0 41.6
103.0 000.0990 0550.9 024.6 | 201.1 000.0580 0053.6 020.4 41.3
104.0 000.0990 0550.7 024.6 | 201.0 000.0580 0053.5 020.8 40.9
105.0 000.0990 0550.7 024.6 | 200.9 000.0580 0053.5 021.3 40.6
106.0 000.0990 0550.7 024.6 | 200.8 000.0580 0053.5 021.7 40.2
107.0 000.0990 0550.7 024.6 | 200.7 000.0580 0053.5 022.1 39.9
108.0 000.0990 0550.6 024.6 | 200.6 000.0580 0053.5 022.6 39.6
109.0 000.0990 0550.8 024.6 | 200.6 000.0580 0053.5 023.0 39.2
110.0 000.0990 0550.8 024.6 | 200.6 000.0580 0053.5 023.4 38.9
111.0 000.0990 0550.9 024.6 | 200.6 000.0580 0053.5 023.8 38.6
112.0 000.0990 0550.8 024.6 | 200.6 000.0580 0053.5 024.3 38.3
113.0 000.0990 0550.7 024.6 | 200.6 000.0580 0053.5 024.7 38.0
114.0 000.0990 0550.7 024.6 | 200.7 000.0580 0053.5 025.1 37.6
115.0 000.0990 0550.8 024.6 | 200.7 000.0580 0053.5 025.6 37.3
116.0 000.0990 0551.0 024.6 | 200.8 000.0580 0053.4 026.0 37.0
117.0 000.0990 0551.2 024.6 | 200.9 000.0580 0053.5 026.4 36.8
118.0 000.0990 0551.2 024.6 | 201.0 000.0580 0053.5 026.8 36.5
119.0 000.0990 0551.3 024.6 | 201.1 000.0580 0053.6 027.3 36.2
120.0 000.0990 0551.3 024.6 | 201.2 000.0580 0053.6 027.7 36.0
121.0 000.0990 0551.3 024.6 | 201.4 000.0580 0053.5 028.1 35.7
122.0 000.0990 0551.3 024.6 | 201.5 000.0580 0053.5 028.5 35.4
123.0 000.0990 0551.4 024.6 | 201.7 000.0580 0053.5 029.0 35.2
124.0 000.0990 0551.3 024.6 | 201.9 000.0580 0053.5 029.4 35.0
125.0 000.0990 0551.4 024.6 | 202.1 000.0580 0053.4 029.8 34.7
126.0 000.0990 0551.4 024.6 | 202.2 000.0580 0053.3 030.2 34.5
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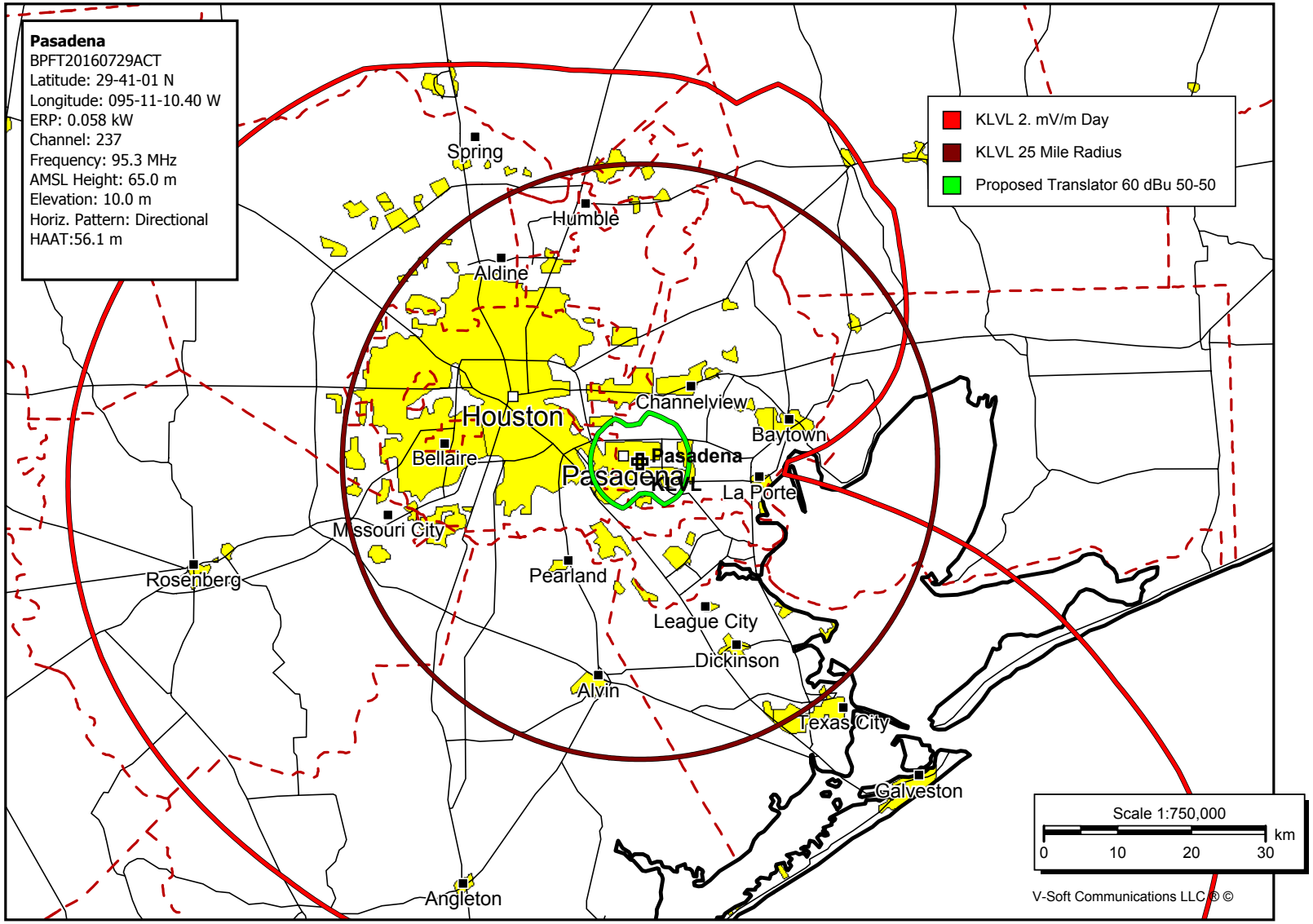
K260AS Pasadena, TX
74.1204(d) Showing
Translator Maximum Licensed ERP = 0.058
Translator Antenna Height AG = 65 Meters
Pasadena Antenna Model = SWR FMEC_2_FW

Protected Station's Contour = 85.23628 dBu
Translator'sfull Interference contour 125.23628

Review Azimuth = 260 Degrees True
Relative Field on the horizon at Review Azimuth = 1.000
Translator ERP on the horizon at Review Azimuth = 0.058 kW
Distance between stations = 33.5 km
Protected Station= KKHH, 100 kW, 605 M Meters COR AMSL

Depression Angle From Horizon(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	0.0580	029.2348	029.2348	065.000
05.00	0.959	1.0	0.0533	028.0362	027.9295	062.556
10.00	0.843	1.0	0.0412	024.6449	024.2705	060.720
15.00	0.666	1.0	0.0257	019.4704	018.8069	059.961
20.00	0.45	1.0	0.0117	013.1557	012.3623	060.501
25.00	0.22	1.0	0.0028	006.4317	005.8291	062.282
30.00	0.0	1.0	0.0000	000.0029	000.0025	064.999
35.00	0.192	1.0	0.0021	005.6131	004.5980	061.780
40.00	0.342	1.0	0.0068	009.9983	007.6591	058.573
45.00	0.446	1.0	0.0115	013.0387	009.2198	055.780
50.00	0.503	1.0	0.0147	014.7051	009.4523	053.735
55.00	0.519	1.0	0.0156	015.1729	008.7028	052.571
60.00	0.502	1.0	0.0146	014.6759	007.3379	052.290
65.00	0.46	1.0	0.0123	013.4480	005.6834	052.812
70.00	0.401	1.0	0.0093	011.7232	004.0096	053.984
75.00	0.331	1.0	0.0064	009.6767	002.5045	055.653
80.00	0.256	1.0	0.0038	007.4841	001.2996	057.630
85.00	0.178	1.0	0.0018	005.2038	000.4535	059.816
90.00	0.1	1.0	0.0006	002.9235	000.0000	062.077


Pasadena
BPFT20160729ACT
Latitude: 29-41-01 N
Longitude: 095-11-10.40 W
ERP: 0.058 kW
Channel: 237
Frequency: 95.3 MHz
AMSL Height: 65.0 m
Elevation: 10.0 m
Horiz. Pattern: Directional
HAAT:56.1 m
KLVL 2. mV/m Day
KLVL 25 Mile Radius
Proposed Translator 60 dBu 50-50
Spring
Humble
Aldine
Houston
Channelview
Baytown
Bellaire
Pasadena
Pasadena
KLVL
La Porte
Missouri City
Rosenberg
Pearland
League City
Dickinson
Alvin
Texas City
Galveston
Angleton
Scale 1:750,000
km
0
10
20
30
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