

**KTS – SAN ANTONIO 210-828-4555 gkeener@pdigm-inc.com**  
**KSIX, CORPUS CHRISTI, TX EXHIBIT 16**  
**NON-DOMESTIC NIGHT LIMITS – PROPOSED/LICENSED**

**Proposed Night Limits**

**KSIX PROPOSED 1230 khz to Co-Channel Stations: 1230 khz**  
**\*\*\* Facilities/Points with Proposed Limits less than 0 mV/m are NOT printed**

Facility or Contour	Location	Dist km	Azim deg	Theta deg	Max IDF mV/m/km	Skywave uV/m	Limit mV/m	Required Protect
XESCT-P	31-52-05N 116-38-04W	1901.7	288.4	1.5	1.5	278.0	12.2	0.681 7.266
XELP-P	20-19-55N 102-01-31W	949.1	210.3	9.3	9.3	270.9	69.5	3.764 6.224
<u>XE-P</u>	25-10-52N 99-51-34W	374.8	220.2	26.2	26.2	225.5	149.6	<u>6.743 6.454*</u>
LRG385-P	38-45-00N 70-55-00W	7894.3	180.0	0.0	0.0	278.2	0.2	0.011 0.500
XETCP-P	18-25-07N 97-25-52W	1041.2	179.8	8.1	8.1	272.6	60.0	3.273 6.328
LRF384-P	42-27-00N 71-36-00W	8246.0	180.0	0.0	0.0	278.2	0.2	0.010 0.500
LW5-O	22-11-00N 60-47-00W	6809.3	180.0	0.0	0.0	278.2	0.3	0.014 0.500
LT2-O	31-03-00N 60-40-00W	7615.5	180.0	0.0	0.0	278.2	0.2	0.011 0.500
ZYL208-O	20-46-00N 43-45-00W	7901.9	180.0	0.0	0.0	278.2	0.2	0.011 2.000
XEEX-O	24-49-56N 107-24-17W	1043.8	254.0	8.0	8.0	272.7	59.8	3.260 4.922
ZYK716-O	21-07-00N 47-04-00W	7672.4	180.0	0.0	0.0	278.2	0.2	0.011 2.178
<u>XENVA2-P</u>	26-04-18N 98-15-32W	205.7	202.9	42.5	42.5	161.0	226.8	<u>7.302 6.973*</u>
ZYK573-O	22-01-00N 48-21-00W	7645.4	180.0	0.0	0.0	278.2	0.2	0.011 2.000
ZYH895-O	3-10-00N 43-20-00W	6730.1	180.0	0.0	0.0	278.2	0.3	0.014 1.492
ZYK351-O	29-28-00N 52-31-00W	7958.7	180.0	0.0	0.0	278.2	0.2	0.011 2.618
ZYH756-O	15-19-00N 49-16-00W	7063.4	180.0	0.0	0.0	278.2	0.2	0.013 1.252
ZYL296-O	17-09-00N 41-56-00W	7789.0	180.0	0.0	0.0	278.2	0.2	0.011 2.000
ZYI670-O	6-53-00N 34-53-00W	7737.4	180.0	0.0	0.0	278.2	0.2	0.011 1.250
NOVAEUR-O	20-12-42N 48-34-21W	7489.4	180.0	0.0	0.0	278.2	0.2	0.012 2.351
ZYL216-O	19-18-00N 46-36-00W	7571.2	180.0	0.0	0.0	278.2	0.2	0.012 2.264
SAOJOSE-P	26-23-00N 48-38-00W	7967.2	180.0	0.0	0.0	278.2	0.2	0.011 2.000
TELEMAC-P	23-41-00N 50-37-00W	7612.7	180.0	0.0	0.0	278.2	0.2	0.011 2.344
TRAIRI-P	2-43-00N 39-16-00W	7077.7	180.0	0.0	0.0	278.2	0.2	0.013 1.468
K-P	13-47-00N 39-31-00W	7762.3	180.0	0.0	0.0	278.2	0.2	0.011 1.467
ZBM 1-O	32-18-00N 64-47-00W	3172.2	72.9	0.0	0.0	278.2	1.3	0.070 0.500

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**KSIX PROPOSED** 1230 kHz to Co-Channel Stations: 1230 kHz  
 \*\*\* Facilities/Points with Proposed Limits less than 0 mV/m are NOT printed

Facility or Contour	Location	Dist km	Azim deg	Theta deg	Max IDF mV/m/km	Skywave uV/m	Limit mV/m	Required Protect	
HJLF-O	4-00-00N 73-45-00W	3646.4	132.1	0.0	0.0	278.2	0.9	0.051	7.432
CANMORE-P	51-04-41N 115-20-58W	2993.4	334.7	0.0	0.0	278.2	3.6	0.201	7.583
CIYR-P	53-24-10N 117-33-53W	3290.3	335.4	0.0	0.0	278.2	2.9	0.162	6.100
CILW-O	52-49-17N 110-50-52W	2995.0	341.9	0.0	0.0	278.2	3.6	0.201	5.973
CKTK-O	54-03-05N 128-40-50W	3865.0	327.6	0.0	0.0	278.2	2.0	0.112	5.134
CJNL-O	50-06-29N 120-46-06W	3169.7	327.7	0.0	0.0	278.2	3.2	0.176	7.125
SMITHER-P	54-47-30N 127-11-30W	3839.5	329.6	0.0	0.0	278.2	2.0	0.114	6.256
CHFC-O	58-45-17N 94-05-39W	3453.1	3.4	0.0	0.0	278.2	2.6	0.144	2.673
CFLN-O	53-18-37N 60-17-38W	4151.7	36.7	0.0	0.0	278.2	1.7	0.096	4.050
CFGN-O	47-35-08N 59-07-22W	3967.8	46.0	0.0	0.0	278.2	1.9	0.107	4.075
CFGN-O	47-35-08N 59-07-22W	3967.8	46.0	0.0	0.0	278.2	1.9	0.107	4.075
VOAR-P	47-32-45N 52-46-50W	4422.2	48.0	0.0	0.0	278.2	1.5	0.084	3.459
CFFB-O	63-43-55N 68-32-47W	4499.5	19.3	0.0	0.0	278.2	1.5	0.081	2.000
CFFB-O	63-43-55N 68-32-47W	4499.5	19.3	0.0	0.0	278.2	1.5	0.081	2.000
CHYK-P	49-25-17N 82-21-47W	2728.3	24.2	0.0	0.0	278.2	4.5	0.252	6.448
CKMP-P	44-43-35N 79-53-38W	2444.1	35.1	0.0	0.0	278.2	5.9	0.330	7.506
CJTT-O	47-29-36N 79-36-44W	2682.3	30.6	0.0	0.0	278.2	4.7	0.263	7.145
CJLB-P	48-24-23N 89-13-53W	2399.8	15.0	0.0	0.0	278.2	6.2	0.342	7.410
CJLP-O	45-54-28N 71-20-33W	3050.2	41.8	0.0	0.0	278.2	3.5	0.193	8.181
CHVD-P	48-51-48N 72-15-06W	3184.0	35.9	0.0	0.0	278.2	3.1	0.174	6.662
CJSA-O	46-04-34N 74-19-20W	2871.5	38.9	0.0	0.0	278.2	4.0	0.222	8.077
CJOK-P	56-41-16N 111-19-51W	3395.7	344.9	0.0	0.0	278.2	2.7	0.150	4.797
ZYK326-O	26-39-00N 52-46-00W	7707.7	180.0	0.0	0.0	278.2	0.2	0.011	2.671
ZYK333-O	27-14-00N 51-35-00W	7834.4	180.0	0.0	0.0	278.2	0.2	0.011	2.329
HJLK-O	3-32-00N 76-35-00W	3488.0	136.8	0.0	0.0	278.2	1.0	0.056	5.189

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**KSIX PROPOSED** 1230 kHz to Co-Channel Stations: 1230 kHz  
 \*\*\* Facilities/Points with Proposed Limits less than 0 mV/m are NOT printed

Facility or Contour	Location	Dist km	Azim deg	Theta deg	Max IDF mV/m/km	Skywave uV/m	Limit mV/m	Required Protect
XETVH-O	17-59-17N 92-58-03W	1181.9	156.1	6.5	6.5	274.5	47.4	2.602 6.384
XEID-O	20-54-35N 97-40-09W	764.5	181.7	12.3	12.3	265.5	90.7	4.813 6.082
XEFP-P	21-39-37N 102-56-40W	877.5	220.5	10.3	10.3	269.2	77.0	4.147 6.278
HJTP-O	4-20-00N 74-53-00W	3536.5	133.3	0.0	0.0	278.2	1.0	0.054 7.150
HJMJ-O	11-23-00N 72-13-00W	3199.4	119.6	0.0	0.0	278.2	1.2	0.068 5.016
HJIL-O	6-16-00N 75-34-00W	3324.3	131.8	0.0	0.0	278.2	1.1	0.063 6.558
HJBR-O	5-29-00N 73-20-00W	3554.9	129.6	0.0	0.0	278.2	1.0	0.054 7.560
CMMW-O	20-04-00N 74-38-00W	2468.2	105.3	0.0	0.0	278.2	2.3	0.129 3.299
CMDM-O	23-01-00N 81-35-00W	1678.5	104.8	2.7	2.7	277.5	7.3	0.405 2.174
HIMB-O	19-24-00N 70-32-00W	2889.8	102.9	0.0	0.0	278.2	1.6	0.087 3.415
HING-O	18-26-00N 69-54-00W	2995.1	104.3	0.0	0.0	278.2	1.4	0.080 3.515
HCMV5-O	1-09-00N 79-00-00W	3772.9	180.0	0.0	0.0	278.2	0.8	0.047 6.190
HCGT2-O	1-53-49N 79-55-10W	3795.4	180.0	0.0	0.0	278.2	0.8	0.046 4.684
TGAT-O	15-44-00N 88-36-00W	1620.7	143.8	3.1	3.1	277.3	8.2	0.455 3.199
4VBL-O	19-44-00N 72-12-00W	2715.2	103.7	0.0	0.0	278.2	1.8	0.101 3.452
MORNEFO-O	14-00-00N 61-00-00W	4065.1	104.5	0.0	0.0	278.2	0.7	0.040 3.741
YNCN-O	12-32-00N 87-07-00W	2007.4	145.4	0.9	0.9	278.1	4.1	0.228 2.768
ZP21-O	24-35-00N 56-06-00W	7315.5	180.0	0.0	0.0	278.2	0.2	0.012 3.571
OAX2T-O	7-51-00N 79-00-00W	4431.1	180.0	0.0	0.0	278.2	0.6	0.033 3.126
OBX7J-O	11-23-00N 69-10-00W	5314.5	180.0	0.0	0.0	278.2	0.4	0.023 1.846
OBZ4Y-O	10-30-00N 75-40-00W	4860.2	180.0	0.0	0.0	278.2	0.5	0.028 2.132
YSNB-O	13-43-00N 89-15-00W	1780.1	149.7	2.1	2.1	277.8	6.0	0.334 2.912
YVNT-O	10-17-00N 66-38-00W	3760.6	115.0	0.0	0.0	278.2	0.8	0.047 4.642
YVOH-O	9-20-00N 70-37-00W	3478.9	120.8	0.0	0.0	278.2	1.0	0.056 5.483
KIFW-L	57-03-27N 135-20-02W	4398.4	328.2	0.0	0.0	278.2	1.4	0.079 1.083

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Facility or Contour	Location	Dist km	Azim deg	Theta deg	Max IDF mV/m/km	Skywave uV/m	Limit mV/m	Required Protect	
KVAK-L	61-07-16N 146-15-25W	5158.8	329.7	0.0	0.0	278.2	0.6	0.036	0.625
WNIK-L	18-27-20N 66-44-24W	3297.0	101.6	0.0	0.0	278.2	7.3	0.406	0.879
CJOK-O	56-41-16N 111-19-55W	3395.7	344.9	0.0	0.0	278.2	2.7	0.150	4.797
CHFC-P	58-45-17N 94-05-39W	3453.1	3.4	0.0	0.0	278.2	2.6	0.144	2.673
VOAR-O	47-33-52N 52-43-26W	4426.8	48.0	0.0	0.0	278.2	1.5	0.084	3.445
CKMP-O	44-43-35N 79-53-38W	2444.1	35.1	0.0	0.0	278.2	5.9	0.330	7.506
CJLB-O	48-24-23N 89-13-53W	2399.8	15.0	0.0	0.0	278.2	6.2	0.342	7.410

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**KSIX, CORPUS CHRISTI, TX EXHIBIT 16**  
**NON-DOMESTIC NIGHT LIMITS – PROPOSED/LICENSED**

Licensed Night Limits(Fragment)

\*\*\* KSIX LICENSED 1230 kHz to Co-Channel Stations: 1230 kHz  
 \*\*\* Facilities/Points with Proposed Limits less than 0 mV/m are NOT printed

Facility or Contour	Location	Dist km	Azim deg	Theta deg	Max IDF mV/m/km	Skywave uV/m	Limit mV/m	Required Protect
XESCT-P	31-52-05N 116-38-04W	1901.4	288.3	1.5	1.5	292.3	12.3	0.716 7.266
XELP-P	20-19-55N 102-01-31W	951.2	210.3	9.2	9.2	287.3	69.3	3.981 6.224
<u>XE-P</u>	25-10-52N 99-51-34W	376.7	220.1	26.1	26.1	253.9	149.1	<u>7.570 6.454*</u>
LRG385-P	38-45-00N 70-55-00W	7896.1	180.0	0.0	0.0	292.4	0.2	0.011 0.500
XETCP-P	18-25-07N 97-25-52W	1043.3	179.9	8.1	8.1	288.5	59.8	3.452 6.328
LRF384-P	42-27-00N 71-36-00W	8247.8	180.0	0.0	0.0	292.4	0.2	0.010 0.500
LW5-O	22-11-00N 60-47-00W	6810.7	180.0	0.0	0.0	292.4	0.3	0.015 0.500
LT2-O	31-03-00N 60-40-00W	7617.0	180.0	0.0	0.0	292.4	0.2	0.012 0.500
ZYL208-O	20-46-00N 43-45-00W	7902.8	180.0	0.0	0.0	292.4	0.2	0.011 2.000
XEEX-O	24-49-56N 107-24-17W	1044.8	253.9	8.0	8.0	288.6	59.7	3.444 4.922
ZYK716-O	21-07-00N 47-04-00W	7673.4	180.0	0.0	0.0	292.4	0.2	0.012 2.178
<u>XENVA2-P</u>	26-04-18N 98-15-32W	207.8	202.8	42.2	42.2	200.2	225.2	<u>9.013 6.989*</u>
ZYK573-O	22-01-00N 48-21-00W	7646.4	180.0	0.0	0.0	292.4	0.2	0.012 2.000
ZYH895-O	3-10-00N 43-20-00W	6730.5	180.0	0.0	0.0	292.4	0.3	0.015 1.492
ZYK351-O	29-28-00N 52-31-00W	7960.0	180.0	0.0	0.0	292.4	0.2	0.011 2.618
ZYH756-O	15-19-00N 49-16-00W	7064.3	180.0	0.0	0.0	292.4	0.2	0.014 1.252
ZYL296-O	17-09-00N 41-56-00W	7789.8	180.0	0.0	0.0	292.4	0.2	0.012 2.000
ZYI670-O	6-53-00N 34-53-00W	7737.7	180.0	0.0	0.0	292.4	0.2	0.012 1.250
NOVAEUR-O	20-12-42N 48-34-21W	7490.5	180.0	0.0	0.0	292.4	0.2	0.012 2.351
ZYL216-O	19-18-00N 46-36-00W	7572.1	180.0	0.0	0.0	292.4	0.2	0.012 2.264
SAOJOSE-P	26-23-00N 48-38-00W	7968.3	180.0	0.0	0.0	292.4	0.2	0.011 2.000
TELEMAC-P	23-41-00N 50-37-00W	7613.9	180.0	0.0	0.0	292.4	0.2	0.012 2.344
TRAIRI-P	2-43-00N 39-16-00W	7078.0	180.0	0.0	0.0	292.4	0.2	0.014 1.468
K-P	13-47-00N 39-31-00W	7762.9	180.0	0.0	0.0	292.4	0.2	0.012 1.467
ZBM 1-O	32-18-00N 64-47-00W	3171.1	72.9	0.0	0.0	292.4	1.3	0.074 0.500

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**KSIX, CORPUS CHRISTI, TX EXHIBIT 16.1**  
**NIGHT PROTECTION CALCULATIONS**

1230 kHz KSIX as Licensed RSS Protection Limits 50% Exclusion  
Contributors: Licensed/Operating determines limit. FCC DATABASE: 6/ 2006

XE	C	P( A )	MX NL MONTEMORELOS	25-10-52	99-51-34	-	
XELP		P( A )	1230 MX MC LA PIEDAD	LIM:	7.595	RSS:	7.59 583 km
KSIX		L( )	1230 US TX CORPUS CHRISTI	LIM:	7.570	RSS:	10.72 377 km
KTJK		L( )	1230 US TX DEL RIO	LIM:	6.838	RSS:	12.72 483 km
KERV		L(AA)	1230 US TX KERRVILLE	LIM:	6.454	RSS:	14.26 548 km
50% Exclusion RSS 14.26 mV/m Requires Protection of 6.454 mV/m							
XEEX		O( A )	1230 MX SI CULIACAN	LIC. NEXT	5.985		761 km

  

XENVA2	C	P( A )	MX TA REYNOSA	26-04-18	98-15-32	-	
KSIX		L( )	1230 US TX CORPUS CHRISTI	LIM:	9.013	RSS:	9.01 208 km
XE		P( A )	1230 MX NL MONTEMORELOS	LIM:	8.078	RSS:	12.10 189 km
KERV		L(AA)	1230 US TX KERRVILLE	LIM:	6.993	RSS:	13.98 454 km
50% Exclusion RSS 13.98 mV/m Requires Protection of 6.989 mV/m							
KTJK		L( )	1230 US TX DEL RIO	LIC. NEXT	6.973		455 km

1230 kHz KSIX as Proposed RSS Protection Limits 50% Exclusion  
Contributors: Licensed/Operating determines limit. FCC DATABASE: 6/ 2006

XE	C	P( A )	MX NL MONTEMORELOS	25-10-52	99-51-34	-	
XELP		P( A )	1230 MX MC LA PIEDAD	LIM:	7.595	RSS:	7.59 583 km
KTJK		L( )	1230 US TX DEL RIO	LIM:	6.838	RSS:	10.22 483 km
KSIX		A( )	1230 US TX CORPUS CHRISTI	LIM:	6.743	RSS:	12.24 377 km
KERV		L(AA)	1230 US TX KERRVILLE	LIM:	6.454	RSS:	13.84 548 km
50% Exclusion RSS 14.26 mV/m Requires Protection of 6.454 mV/m							
XEEX		O( A )	1230 MX SI CULIACAN	LIC. NEXT	5.985		761 km

  

XENVA2	C	P( A )	MX TA REYNOSA	26-04-18	98-15-32	-	
XE		P( A )	1230 MX NL MONTEMORELOS	LIM:	8.078	RSS:	8.07 189 km
KSIX		A( )	1230 US TX CORPUS CHRISTI	LIM:	7.302	RSS:	10.89 208 km
KERV		L(AA)	1230 US TX KERRVILLE	LIM:	6.993	RSS:	12.94 454 km
KTJK		L( )	1230 US TX DEL RIO	LIC.	6.973	RSS:	14.70 455 km
50% Exclusion RSS 14.70 mV/m Requires Protection of 6.973 mV/m							
XELP		P( A )	1230 MX MC LA PIEDAD	LIC. NEXT	6.443		583 km