

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

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	1901.3	288.3	1.5	1.5	289.0	12.3	0.708 7.266
XELP-P	20-19-55N 102-01-31W	950.1	210.3	9.3	9.3	284.1	69.4	3.942 6.224
<u>XE-P</u>	25-10-52N 99-51-34W	375.7	220.1	26.2	26.2	250.9	149.3	<u>7.492 6.454*</u>
LRG385-P	38-45-00N 70-55-00W	7895.4	180.0	0.0	0.0	289.1	0.2	0.011 0.500
XETCP-P	18-25-07N 97-25-52W	1042.4	179.8	8.1	8.1	285.3	59.9	3.419 6.328
LRF384-P	42-27-00N 71-36-00W	8247.1	180.0	0.0	0.0	289.1	0.2	0.010 0.500
LW5-O	22-11-00N 60-47-00W	6810.2	180.0	0.0	0.0	289.1	0.3	0.015 0.500
LT2-O	31-03-00N 60-40-00W	7616.4	180.0	0.0	0.0	289.1	0.2	0.012 0.500
ZYL208-O	20-46-00N 43-45-00W	7902.6	180.0	0.0	0.0	289.1	0.2	0.011 2.000
XEEX-O	24-49-56N 107-24-17W	1044.1	254.0	8.0	8.0	285.3	59.7	3.409 4.922
ZYK716-O	21-07-00N 47-04-00W	7673.1	180.0	0.0	0.0	289.1	0.2	0.012 2.178
<u>XENVA2-P</u>	26-04-18N 98-15-32W	206.7	202.8	42.3	42.3	197.4	225.9	<u>8.919 6.973*</u>
ZYK573-O	22-01-00N 48-21-00W	7646.1	180.0	0.0	0.0	289.1	0.2	0.012 2.000
ZYH895-O	3-10-00N 43-20-00W	6730.5	180.0	0.0	0.0	289.1	0.3	0.015 1.492
ZYK351-O	29-28-00N 52-31-00W	7959.6	180.0	0.0	0.0	289.1	0.2	0.011 2.618
ZYH756-O	15-19-00N 49-16-00W	7064.1	180.0	0.0	0.0	289.1	0.2	0.014 1.252
ZYL296-O	17-09-00N 41-56-00W	7789.7	180.0	0.0	0.0	289.1	0.2	0.011 2.000
ZYI670-O	6-53-00N 34-53-00W	7737.8	180.0	0.0	0.0	289.1	0.2	0.012 1.250
NOVAEUR-O	20-12-42N 48-34-21W	7490.2	180.0	0.0	0.0	289.1	0.2	0.012 2.351
ZYL216-O	19-18-00N 46-36-00W	7571.9	180.0	0.0	0.0	289.1	0.2	0.012 2.264
SAOJOSE-P	26-23-00N 48-38-00W	7968.0	180.0	0.0	0.0	289.1	0.2	0.011 2.000
TELEMAC-P	23-41-00N 50-37-00W	7613.5	180.0	0.0	0.0	289.1	0.2	0.012 2.344
TRAIRI-P	2-43-00N 39-16-00W	7078.1	180.0	0.0	0.0	289.1	0.2	0.014 1.468
K-P	13-47-00N 39-31-00W	7762.9	180.0	0.0	0.0	289.1	0.2	0.011 1.467
ZBM 1-O	32-18-00N 64-47-00W	3171.8	72.9	0.0	0.0	289.1	1.3	0.073 0.500

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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	
HJLF-O	4-00-00N 73-45-00W	3647.2	132.1	0.0	0.0	289.1	0.9	0.053	7.432
CANMORE-P	51-04-41N 115-20-58W	2992.4	334.6	0.0	0.0	289.1	3.6	0.209	7.583
CIYR-O	53-24-10N 117-33-53W	3289.2	335.4	0.0	0.0	289.1	2.9	0.168	6.100
CILW-O	52-49-17N 110-50-52W	2993.9	341.9	0.0	0.0	289.1	3.6	0.209	5.973
CKTK-O	54-03-05N 128-40-50W	3864.0	327.6	0.0	0.0	289.1	2.0	0.117	5.134
CJNL-O	50-06-29N 120-46-06W	3168.7	327.7	0.0	0.0	289.1	3.2	0.183	7.125
SMITHER-P	54-47-30N 127-11-30W	3838.5	329.6	0.0	0.0	289.1	2.0	0.118	6.256
CHFC-O	58-45-17N 94-05-39W	3452.0	3.4	0.0	0.0	289.1	2.6	0.150	2.673
CFLN-O	53-18-37N 60-17-38W	4150.7	36.7	0.0	0.0	289.1	1.7	0.100	4.050
CFGN-O	47-35-08N 59-07-22W	3966.9	46.0	0.0	0.0	289.1	1.9	0.111	4.082
CFGN-O	47-35-08N 59-07-22W	3966.9	46.0	0.0	0.0	289.1	1.9	0.111	4.082
VOAR-P	47-32-45N 52-46-50W	4421.4	48.0	0.0	0.0	289.1	1.5	0.088	3.459
CFFB-O	63-43-55N 68-32-47W	4498.3	19.3	0.0	0.0	289.1	1.5	0.085	2.000
CFFB-O	63-43-55N 68-32-47W	4498.3	19.3	0.0	0.0	289.1	1.5	0.085	2.000
CFLK-O	49-25-17N 82-21-47W	2727.2	24.2	0.0	0.0	289.1	4.5	0.262	6.448
CKMP-P	44-43-35N 79-53-38W	2443.2	35.1	0.0	0.0	289.1	5.9	0.344	7.506
CJTT-O	47-29-36N 79-36-44W	2681.3	30.6	0.0	0.0	289.1	4.7	0.273	7.145
CJLB-P	48-24-23N 89-13-53W	2398.6	15.0	0.0	0.0	289.1	6.2	0.356	7.410
CJLP-O	45-54-28N 71-20-33W	3049.3	41.8	0.0	0.0	289.1	3.5	0.200	8.181
CHVD-P	48-51-48N 72-15-06W	3183.1	35.9	0.0	0.0	289.1	3.1	0.181	6.662
CJSA-O	46-04-34N 74-19-20W	2870.6	38.9	0.0	0.0	289.1	4.0	0.231	8.077
STE.AGA-P	46-04-34N 74-19-20W	2870.6	38.9	0.0	0.0	289.1	4.0	0.231	8.077
CJOK-P	56-41-16N 111-19-51W	3394.5	344.9	0.0	0.0	289.1	2.7	0.156	4.797
ZYK326-O	26-39-00N 52-46-00W	7708.5	180.0	0.0	0.0	289.1	0.2	0.012	2.671
ZYK333-O	27-14-00N 51-35-00W	7835.2	180.0	0.0	0.0	289.1	0.2	0.011	2.329

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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	
HJLK-O	3-32-00N	3488.9	136.8	0.0	0.0	289.1	1.0	0.058	5.189
	76-35-00W								
XETVH-O	17-59-17N	1183.0	156.1	6.5	6.5	286.6	47.3	2.712	6.384
	92-58-03W								
XEID-O	20-54-35N	765.7	181.7	12.3	12.3	280.2	90.5	5.073	6.082
	97-40-09W								
XEFP-P	21-39-37N	878.4	220.4	10.3	10.3	282.9	76.9	4.351	6.278
	102-56-40W								
HJTP-O	4-20-00N	3537.3	133.3	0.0	0.0	289.1	1.0	0.057	7.150
	74-53-00W								
HJMJ-O	11-23-00N	3200.0	119.6	0.0	0.0	289.1	1.2	0.071	5.016
	72-13-00W								
HJIL-O	6-16-00N	3325.1	131.8	0.0	0.0	289.1	1.1	0.065	6.558
	75-34-00W								
HJBR-O	5-29-00N	3555.6	129.7	0.0	0.0	289.1	1.0	0.056	7.560
	73-20-00W								
CMMW-O	20-04-00N	2468.5	105.3	0.0	0.0	289.1	2.3	0.134	3.299
	74-38-00W								
CMDM-O	23-01-00N	1678.8	104.8	2.7	2.7	288.7	7.3	0.421	2.174
	81-35-00W								
HIMB-O	19-24-00N	2890.0	102.9	0.0	0.0	289.1	1.6	0.090	3.415
	70-32-00W								
HING-O	18-26-00N	2995.4	104.3	0.0	0.0	289.1	1.4	0.083	3.515
	69-54-00W								
HCMV5-O	1-09-00N	3773.8	180.0	0.0	0.0	289.1	0.8	0.049	6.190
	79-00-00W								
HCGT2-O	1-53-49N	3796.4	180.0	0.0	0.0	289.1	0.8	0.048	4.684
	79-55-10W								
TGAT-O	15-44-00N	1621.7	143.8	3.1	3.1	288.6	8.2	0.473	3.199
	88-36-00W								
4VBL-O	19-44-00N	2715.5	103.7	0.0	0.0	289.1	1.8	0.105	3.452
	72-12-00W								
MORNEFO-O	14-00-00N	4065.4	104.5	0.0	0.0	289.1	0.7	0.042	3.741
	61-00-00W								
YNCN-O	12-32-00N	2008.4	145.4	0.9	0.9	289.1	4.1	0.237	2.768
	87-07-00W								
ZP21-O	24-35-00N	7316.4	180.0	0.0	0.0	289.1	0.2	0.013	3.571
	56-06-00W								
OAX2T-O	7-51-00N	4432.1	180.0	0.0	0.0	289.1	0.6	0.035	3.126
	79-00-00W								
OBX7J-O	11-23-00N	5315.4	180.0	0.0	0.0	289.1	0.4	0.024	1.846
	69-10-00W								
OBZ4Y-O	10-30-00N	4861.2	180.0	0.0	0.0	289.1	0.5	0.029	2.132
	75-40-00W								
YSNB-O	13-43-00N	1781.2	149.7	2.1	2.1	288.9	6.0	0.347	2.912
	89-15-00W								
YVNT-O	10-17-00N	3761.1	115.0	0.0	0.0	289.1	0.8	0.049	4.642
	66-38-00W								
YVOH-O	9-20-00N	3479.6	120.8	0.0	0.0	289.1	1.0	0.059	5.483
	70-37-00W								

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KSIX PROPOSED 1230 kHz to Co-Channel Stations: 1230 kHz  
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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	
KIFW-L	57-03-27N 135-20-02W	4397.4	328.2	0.0	0.0	289.1	1.4	0.083	1.083
KVAK-L	61-07-16N 146-15-25W	5157.8	329.7	0.0	0.0	289.1	0.6	0.037	0.625
WNIK-L	18-27-20N 66-44-24W	3297.2	101.6	0.0	0.0	289.1	7.3	0.422	0.879
CJOK-O	56-41-16N 111-19-55W	3394.6	344.9	0.0	0.0	289.1	2.7	0.156	4.797
CHFC-P	58-45-17N 94-05-39W	3452.0	3.4	0.0	0.0	289.1	2.6	0.150	2.673
VOAR-O	47-33-52N 52-43-26W	4426.0	48.0	0.0	0.0	289.1	1.5	0.088	3.445
CKMP-O	44-43-35N 79-53-38W	2443.2	35.1	0.0	0.0	289.1	5.9	0.344	7.506
CJLB-O	48-24-23N 89-13-53W	2398.6	15.0	0.0	0.0	289.1	6.2	0.356	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 ID 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/ 2005

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							
XEE		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/ 2005

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		A( )	1230 US TX CORPUS CHRISTI	LIM:	7.492	RSS:	10.67 377 km
KTJK		L( )	1230 US TX DEL RIO	LIM:	6.838	RSS:	12.67 483 km
KERV		L(AA)	1230 US TX KERRVILLE	LIM:	6.454	RSS:	14.22 548 km
50% Exclusion RSS 14.22 mV/m Requires Protection of 6.454 mV/m							
XEE		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		A( )	1230 US TX CORPUS CHRISTI	LIM:	8.919	RSS:	8.92 208 km
XE		P( A )	1230 MX NL MONTEMORELOS	LIM:	8.078	RSS:	12.03 189 km
KERV		L(AA)	1230 US TX KERRVILLE	LIM:	6.993	RSS:	13.92 454 km
KTJK		L( )	1230 US TX DEL RIO	LIM:	6.973	RSS:	16.95 455 km
50% Exclusion RSS 16.95 mV/m Requires Protection of 6.973 mV/m							
XELP		P( A )	1230 MX MC LA PIEDAD	LIC. NEXT	6.443		745 km