

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY FOR KNWS-LP FACILITY ID NO.: 3265

December 11, 2013

Prepared For:

Una Vez Mas Brownsville
License, LLC
703 McKinney Avenue
Suite 240
Dallas, TX 75202

Prepared By:

Ryan Wilhour
Kessler and Gehman
Associates, Inc.
507 NW 60th Street Suite C
Gainesville, FL 32607

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1.0 PURPOSE OF SPECIAL TEMPORARY AUTHORITY (STA)

Una Vez Mas Brownsville License, LLC (“UVBL”) is the licensee of the LPTV facility KNWS-LP which is licensed¹ to use out-of-core channel 64 and has previously filed a displacement channel digital flash-cut application resulting in a construction permit² for in-core Channel 27 facility.

UVBL is awaiting acquisition of the construction permitted Micro Communications Inc. UTV-01/12(6X2) broadcast antenna. In the interim it is herein proposed to temporarily utilize a Kathrein Scala K72314 as a substitution antenna for broadcast operations until the acquisition of the permitted antenna is complete and installed. Accordingly, a special temporary authority is respectfully requested to operate as herein proposed. Specifically Appendix A demonstrates how the technical parameters of the proposed STA shall deviate from the construction permit.

2.0 PROPOSED ANTENNA

Appendix B demonstrates the pre-rotated electrical specifications of the proposed antenna. It is herein proposed to rotate the antenna 260 degrees from true north in order to best fit the construction permitted pattern.

3.0 ALLOCATION ANALYSIS

The proposed antenna shown in Appendix B shall be placed at the same location as the construction permitted facility as demonstrated in Appendix A and rotated as discussed in section 2.0. Appendix C demonstrates that the proposed ERP does not exceed the ERP of the construction permitted facility for any azimuthal direction. Accordingly Appendix D further demonstrates that the proposed 51 dBu F(50,90) contour does not encroach beyond the permitted contour. As such it is not possible for the proposed facility to create increase interference to any location relative to the construction permitted facility to other facilities and as such no further allocation studies were prepared.

4.0 AM STATION PROXIMITY

Pursuant to 47 C.F.R. Section 1.30002(e), the construction or extension of an antenna-supporting structure shall be considered subject to the moment method analysis and prior notification requirement; however, the instant application does not propose to extend the existing structure or build a new structure. Thus, the proposed facility is exempt from further AM analysis consideration.

¹ FCC File No.: BLTTL-20000510ABW

² FCC File No.: BDISDTL-20090630AAX

5.0 INTERNATIONAL COORDINATION

The proposed facility lies within 320km from Mexico however international coordination is not required since the proposed facility shall be completely encompassed within all thresholds already established in the construction permit.

6.0 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

6.1 General Environmental Requirements

The proposed STA will not require modifying the support structure to:

- Add high intensity white lighting.
- Be re-located to an official designated wilderness area or wildlife preserve.
- Threaten the existence or habitat of endangered species.
- Affect districts, sites, buildings, structures or objects significant in American history, architecture, archaeology, engineering or culture that are listed in the National Register of Historic Places or are eligible for listing.
- Affect Indian religious sites.
- Be re-located to a floodplain
- Require construction that involves significant changes in surface features (e.g., wetland fill, deforestation or water diversion).

6.2 Radio Frequency Radiation (RFR) Compliance.

Appendix E is an RFR study demonstrating that the peak exposure is 0.33% of the most restrictive permissible exposure threshold. Pursuant to OET Bulletin 65 concerning multiple-user transmitter sites only those licensees whose transmitters produce power density levels greater than 5.0% of the exposure limit are considered significant contributors to RFR. Since the proposed operation is within 5% of the most permissible exposure at any location 2 meters above the ground, it is not considered a significant contributor to RFR exposure. Thus, contributions to exposure from other RF sources in the vicinity of the proposed facility were not taken into account. The instant application is compliant with the FCC limits for human exposure to RF radiation and thus is excluded from further environmental processing.

7.0 CERTIFICATION

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on December 11, 2013.

KESSLER AND GEHMAN ASSOCIATES, INC.

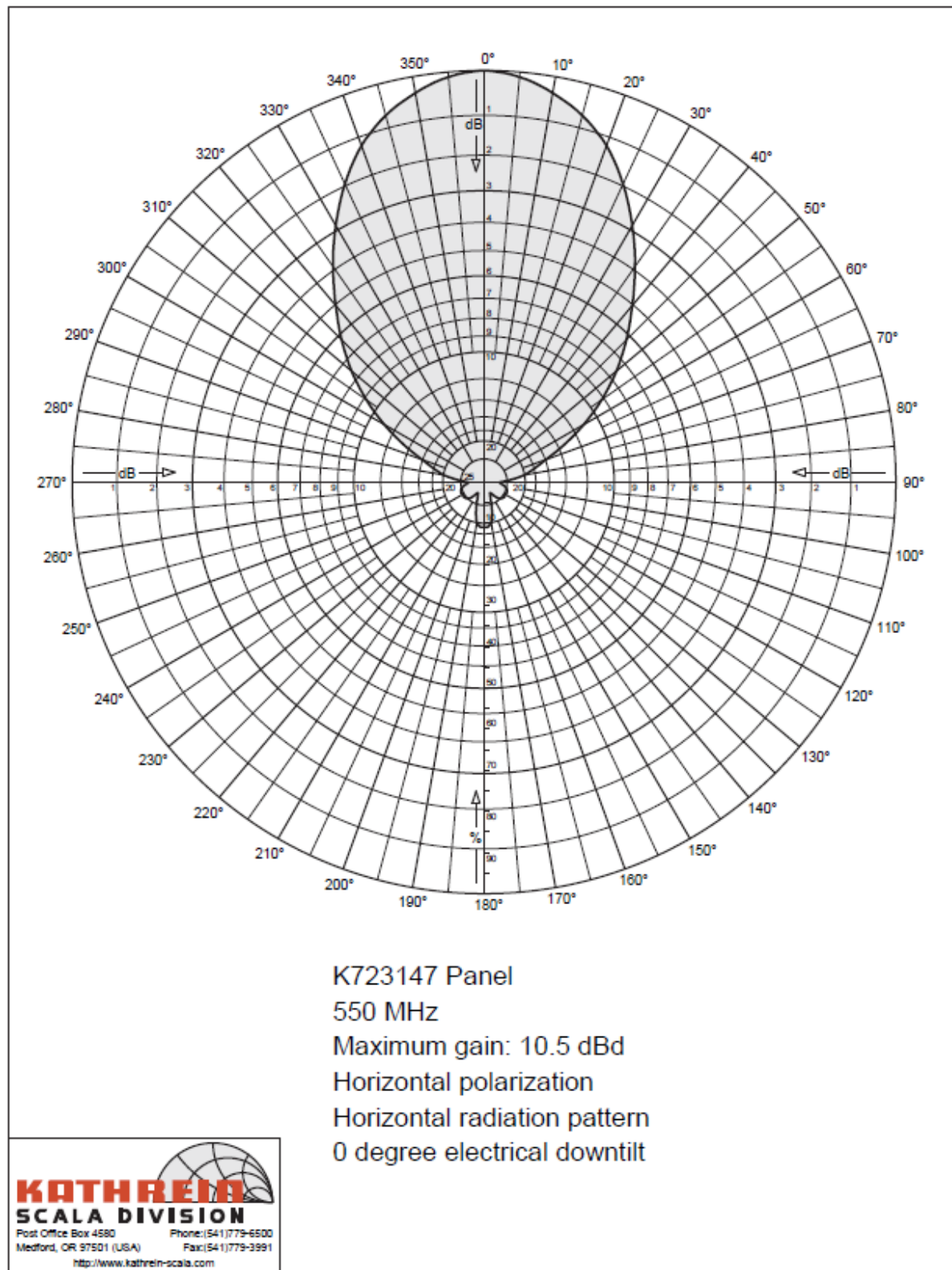


Ryan Wilhour
Consulting Engineer

APPENDIX A – CONSTRUCTION PERMIT VS STA TECHNICAL PARAMETERS

	Construction Permitted: BDISDTL-20090630AAX		STA Parameters	
Transmitter Site				
N. Latitude (NAD 27)	26 ° 09 ' 00.2 "		26 ° 09 ' 00.2 "	
W. Longitude (NAD 27)	97 ° 30 ' 57.8 "		97 ° 30 ' 57.8 "	
FAA Study Number:	2010-ASW-6404-OE		2010-ASW-6404-OE	
ASR Study Number:	1214446		1214446	
Emission Characteristics				
Channel / Emission Mask:	27 / Stringent		27 / Stringent	
Frequency:	548 - 554 MHz		548 - 554 MHz	
Antenna and Other Elevations				
Height of Site Above Mean Sea Level (AMSL)	6.1 m		6.1 m	
Overall Height of Structure Above Ground (AGL)	92.7 m		92.7 m	
(including all appurtenances)	97.5 m		97.5 m	
Overall Height of Structure Above Mean Sea Level	98.8 m		98.8 m	
(including all appurtenances)	103.6 m		103.6 m	
Average Terrain	6.5 m		6.5 m	
Effective Height of Antenna Above Ground	93.3 m		31.7 m	
Effective Height of Antenna Above Average Terrain	92.9 m		31.3 m	
Effective Height of Antenna Above Mean Sea Level	99.4 m		37.8 m	
Antenna Parameters				
	H Polarization	V Polarization	H Polarization	V Polarization
Transmitter Power Output (TPO)	170 W		100 W	
System Losses	Not Specified		1.0 dB	
Input Power to Antenna	Not Specified		19.0 dBW	
Maximum Antenna Gain in Beam Maximum	Not Specified		11.0 dB	
Maximum Effective Radiated Power	35.44 dBW	-----	30.00 dBW	-----
In Beam Maximum	3.5 kW	-----	1.0 kW	-----
Antenna Make / Model	MCI – UTV-01/12(6X2)		KAT K72314	

APPENDIX B – ANTENNA ELECTRICAL SPECIFICATIONS



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Una Vez Mas Brownsville License, LLC

December 11, 2013



K723147 Panel

550 MHz

Maximum gain: 10.5 dBd

Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	10.50	11.22	45	0.489	-6.21	4.29	2.68
1	0.999	-0.01	10.49	11.20	46	0.475	-6.47	4.03	2.53
2	0.997	-0.03	10.47	11.15	47	0.461	-6.73	3.77	2.38
3	0.995	-0.04	10.46	11.11	48	0.447	-6.99	3.51	2.24
4	0.992	-0.07	10.43	11.04	49	0.434	-7.25	3.25	2.11
5	0.988	-0.10	10.40	10.95	50	0.420	-7.54	2.96	1.98
6	0.984	-0.14	10.36	10.86	51	0.406	-7.83	2.67	1.85
7	0.979	-0.18	10.32	10.75	52	0.391	-8.16	2.34	1.72
8	0.973	-0.24	10.26	10.62	53	0.377	-8.47	2.03	1.59
9	0.967	-0.29	10.21	10.49	54	0.363	-8.80	1.70	1.48
10	0.960	-0.35	10.15	10.34	55	0.349	-9.14	1.36	1.37
11	0.953	-0.42	10.08	10.19	56	0.335	-9.50	1.00	1.26
12	0.946	-0.48	10.02	10.04	57	0.321	-9.87	0.63	1.16
13	0.939	-0.55	9.95	9.89	58	0.307	-10.26	0.24	1.06
14	0.931	-0.62	9.88	9.73	59	0.293	-10.66	-0.16	0.96
15	0.922	-0.71	9.79	9.54	60	0.280	-11.06	-0.56	0.88
16	0.913	-0.79	9.71	9.35	61	0.266	-11.50	-1.00	0.79
17	0.903	-0.89	9.61	9.15	62	0.253	-11.94	-1.44	0.72
18	0.892	-0.99	9.51	8.93	63	0.240	-12.40	-1.90	0.65
19	0.882	-1.09	9.41	8.73	64	0.227	-12.88	-2.38	0.58
20	0.870	-1.21	9.29	8.49	65	0.215	-13.35	-2.85	0.52
21	0.857	-1.34	9.16	8.24	66	0.203	-13.85	-3.35	0.46
22	0.843	-1.48	9.02	7.97	67	0.192	-14.33	-3.83	0.41
23	0.829	-1.63	8.87	7.71	68	0.180	-14.89	-4.39	0.36
24	0.814	-1.79	8.71	7.43	69	0.170	-15.39	-4.89	0.32
25	0.799	-1.95	8.55	7.16	70	0.160	-15.92	-5.42	0.29
26	0.784	-2.11	8.39	6.90	71	0.152	-16.36	-5.86	0.26
27	0.768	-2.29	8.21	6.62	72	0.145	-16.77	-6.27	0.24
28	0.752	-2.48	8.02	6.35	73	0.138	-17.20	-6.70	0.21
29	0.736	-2.66	7.84	6.08	74	0.132	-17.59	-7.09	0.20
30	0.720	-2.85	7.65	5.82	75	0.126	-17.99	-7.49	0.18
31	0.704	-3.05	7.45	5.56	76	0.121	-18.34	-7.84	0.16
32	0.688	-3.25	7.25	5.31	77	0.115	-18.79	-8.29	0.15
33	0.672	-3.45	7.05	5.07	78	0.110	-19.17	-8.67	0.14
34	0.656	-3.66	6.84	4.83	79	0.105	-19.58	-9.08	0.12
35	0.639	-3.89	6.61	4.58	80	0.100	-20.00	-9.50	0.11
36	0.623	-4.11	6.39	4.35	81	0.093	-20.63	-10.13	0.10
37	0.607	-4.34	6.16	4.13	82	0.086	-21.31	-10.81	0.08
38	0.591	-4.57	5.93	3.92	83	0.079	-22.05	-11.55	0.07
39	0.576	-4.79	5.71	3.72	84	0.072	-22.85	-12.35	0.06
40	0.560	-5.04	5.46	3.52	85	0.066	-23.61	-13.11	0.05
41	0.545	-5.27	5.23	3.33	86	0.060	-24.44	-13.94	0.04
42	0.531	-5.50	5.00	3.16	87	0.054	-25.35	-14.85	0.03
43	0.517	-5.73	4.77	3.00	88	0.049	-26.20	-15.70	0.03
44	0.503	-5.97	4.53	2.84	89	0.044	-27.13	-16.63	0.02

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K723147 Panel

550 MHz

Maximum gain: 10.5 dBd

Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
90	0.040	-27.96	-17.46	0.02	135	0.056	-25.04	-14.54	0.04
91	0.039	-28.18	-17.68	0.02	136	0.055	-25.19	-14.69	0.03
92	0.039	-28.18	-17.68	0.02	137	0.054	-25.35	-14.85	0.03
93	0.039	-28.18	-17.68	0.02	138	0.053	-25.51	-15.01	0.03
94	0.040	-27.96	-17.46	0.02	139	0.051	-25.85	-15.35	0.03
95	0.041	-27.74	-17.24	0.02	140	0.050	-26.02	-15.52	0.03
96	0.042	-27.54	-17.04	0.02	141	0.048	-26.38	-15.88	0.03
97	0.044	-27.13	-16.63	0.02	142	0.045	-26.94	-16.44	0.02
98	0.046	-26.74	-16.24	0.02	143	0.043	-27.33	-16.83	0.02
99	0.048	-26.38	-15.88	0.03	144	0.040	-27.96	-17.46	0.02
100	0.050	-26.02	-15.52	0.03	145	0.038	-28.40	-17.90	0.02
101	0.051	-25.85	-15.35	0.03	146	0.036	-28.87	-18.37	0.01
102	0.052	-25.68	-15.18	0.03	147	0.034	-29.37	-18.87	0.01
103	0.053	-25.51	-15.01	0.03	148	0.032	-29.90	-19.40	0.01
104	0.055	-25.19	-14.69	0.03	149	0.031	-30.17	-19.67	0.01
105	0.056	-25.04	-14.54	0.04	150	0.030	-30.46	-19.96	0.01
106	0.057	-24.88	-14.38	0.04	151	0.030	-30.46	-19.96	0.01
107	0.058	-24.73	-14.23	0.04	152	0.031	-30.17	-19.67	0.01
108	0.058	-24.73	-14.23	0.04	153	0.032	-29.90	-19.40	0.01
109	0.059	-24.58	-14.08	0.04	154	0.034	-29.37	-18.87	0.01
110	0.060	-24.44	-13.94	0.04	155	0.036	-28.87	-18.37	0.01
111	0.060	-24.44	-13.94	0.04	156	0.038	-28.40	-17.90	0.02
112	0.060	-24.44	-13.94	0.04	157	0.040	-27.96	-17.46	0.02
113	0.061	-24.29	-13.79	0.04	158	0.043	-27.33	-16.83	0.02
114	0.061	-24.29	-13.79	0.04	159	0.046	-26.74	-16.24	0.02
115	0.061	-24.29	-13.79	0.04	160	0.050	-26.02	-15.52	0.03
116	0.061	-24.29	-13.79	0.04	161	0.055	-25.19	-14.69	0.03
117	0.060	-24.44	-13.94	0.04	162	0.060	-24.44	-13.94	0.04
118	0.060	-24.44	-13.94	0.04	163	0.065	-23.74	-13.24	0.05
119	0.060	-24.44	-13.94	0.04	164	0.070	-23.10	-12.60	0.05
120	0.060	-24.44	-13.94	0.04	165	0.076	-22.38	-11.88	0.06
121	0.060	-24.44	-13.94	0.04	166	0.081	-21.83	-11.33	0.07
122	0.060	-24.44	-13.94	0.04	167	0.086	-21.31	-10.81	0.08
123	0.060	-24.44	-13.94	0.04	168	0.091	-20.82	-10.32	0.09
124	0.061	-24.29	-13.79	0.04	169	0.096	-20.35	-9.85	0.10
125	0.061	-24.29	-13.79	0.04	170	0.100	-20.00	-9.50	0.11
126	0.061	-24.29	-13.79	0.04	171	0.102	-19.83	-9.33	0.12
127	0.061	-24.29	-13.79	0.04	172	0.105	-19.58	-9.08	0.12
128	0.060	-24.44	-13.94	0.04	173	0.106	-19.49	-8.99	0.13
129	0.060	-24.44	-13.94	0.04	174	0.108	-19.33	-8.83	0.13
130	0.060	-24.44	-13.94	0.04	175	0.109	-19.25	-8.75	0.13
131	0.059	-24.58	-14.08	0.04	176	0.110	-19.17	-8.67	0.14
132	0.059	-24.58	-14.08	0.04	177	0.110	-19.17	-8.67	0.14
133	0.058	-24.73	-14.23	0.04	178	0.110	-19.17	-8.67	0.14
134	0.057	-24.88	-14.38	0.04	179	0.110	-19.17	-8.67	0.14

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K723147 Panel
550 MHz
Maximum gain: 10.5 dBd
Horizontal polarization

Horizontal radiation pattern
0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
180	0.110	-19.17	-8.67	0.14	225	0.056	-25.04	-14.54	0.04
181	0.110	-19.17	-8.67	0.14	226	0.057	-24.88	-14.38	0.04
182	0.110	-19.17	-8.67	0.14	227	0.058	-24.73	-14.23	0.04
183	0.110	-19.17	-8.67	0.14	228	0.059	-24.58	-14.08	0.04
184	0.110	-19.17	-8.67	0.14	229	0.059	-24.58	-14.08	0.04
185	0.109	-19.25	-8.75	0.13	230	0.060	-24.44	-13.94	0.04
186	0.108	-19.33	-8.83	0.13	231	0.060	-24.44	-13.94	0.04
187	0.106	-19.49	-8.99	0.13	232	0.060	-24.44	-13.94	0.04
188	0.105	-19.58	-9.08	0.12	233	0.061	-24.29	-13.79	0.04
189	0.102	-19.83	-9.33	0.12	234	0.061	-24.29	-13.79	0.04
190	0.100	-20.00	-9.50	0.11	235	0.061	-24.29	-13.79	0.04
191	0.096	-20.35	-9.85	0.10	236	0.061	-24.29	-13.79	0.04
192	0.091	-20.82	-10.32	0.09	237	0.060	-24.44	-13.94	0.04
193	0.086	-21.31	-10.81	0.08	238	0.060	-24.44	-13.94	0.04
194	0.081	-21.83	-11.33	0.07	239	0.060	-24.44	-13.94	0.04
195	0.076	-22.38	-11.88	0.06	240	0.060	-24.44	-13.94	0.04
196	0.070	-23.10	-12.60	0.05	241	0.060	-24.44	-13.94	0.04
197	0.065	-23.74	-13.24	0.05	242	0.060	-24.44	-13.94	0.04
198	0.060	-24.44	-13.94	0.04	243	0.060	-24.44	-13.94	0.04
199	0.055	-25.19	-14.69	0.03	244	0.061	-24.29	-13.79	0.04
200	0.050	-26.02	-15.52	0.03	245	0.061	-24.29	-13.79	0.04
201	0.046	-26.74	-16.24	0.02	246	0.061	-24.29	-13.79	0.04
202	0.043	-27.33	-16.83	0.02	247	0.061	-24.29	-13.79	0.04
203	0.040	-27.96	-17.46	0.02	248	0.060	-24.44	-13.94	0.04
204	0.038	-28.40	-17.90	0.02	249	0.060	-24.44	-13.94	0.04
205	0.036	-28.87	-18.37	0.01	250	0.060	-24.44	-13.94	0.04
206	0.034	-29.37	-18.87	0.01	251	0.059	-24.58	-14.08	0.04
207	0.032	-29.90	-19.40	0.01	252	0.058	-24.73	-14.23	0.04
208	0.031	-30.17	-19.67	0.01	253	0.058	-24.73	-14.23	0.04
209	0.030	-30.46	-19.96	0.01	254	0.057	-24.88	-14.38	0.04
210	0.030	-30.46	-19.96	0.01	255	0.056	-25.04	-14.54	0.04
211	0.031	-30.17	-19.67	0.01	256	0.055	-25.19	-14.69	0.03
212	0.032	-29.90	-19.40	0.01	257	0.053	-25.51	-15.01	0.03
213	0.034	-29.37	-18.87	0.01	258	0.052	-25.68	-15.18	0.03
214	0.036	-28.87	-18.37	0.01	259	0.051	-25.85	-15.35	0.03
215	0.038	-28.40	-17.90	0.02	260	0.050	-26.02	-15.52	0.03
216	0.040	-27.96	-17.46	0.02	261	0.048	-26.38	-15.88	0.03
217	0.043	-27.33	-16.83	0.02	262	0.046	-26.74	-16.24	0.02
218	0.045	-26.94	-16.44	0.02	263	0.044	-27.13	-16.63	0.02
219	0.048	-26.38	-15.88	0.03	264	0.042	-27.54	-17.04	0.02
220	0.050	-26.02	-15.52	0.03	265	0.041	-27.74	-17.24	0.02
221	0.051	-25.85	-15.35	0.03	266	0.040	-27.96	-17.46	0.02
222	0.053	-25.51	-15.01	0.03	267	0.039	-28.18	-17.68	0.02
223	0.054	-25.35	-14.85	0.03	268	0.039	-28.18	-17.68	0.02
224	0.055	-25.19	-14.69	0.03	269	0.039	-28.18	-17.68	0.02

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550 MHz

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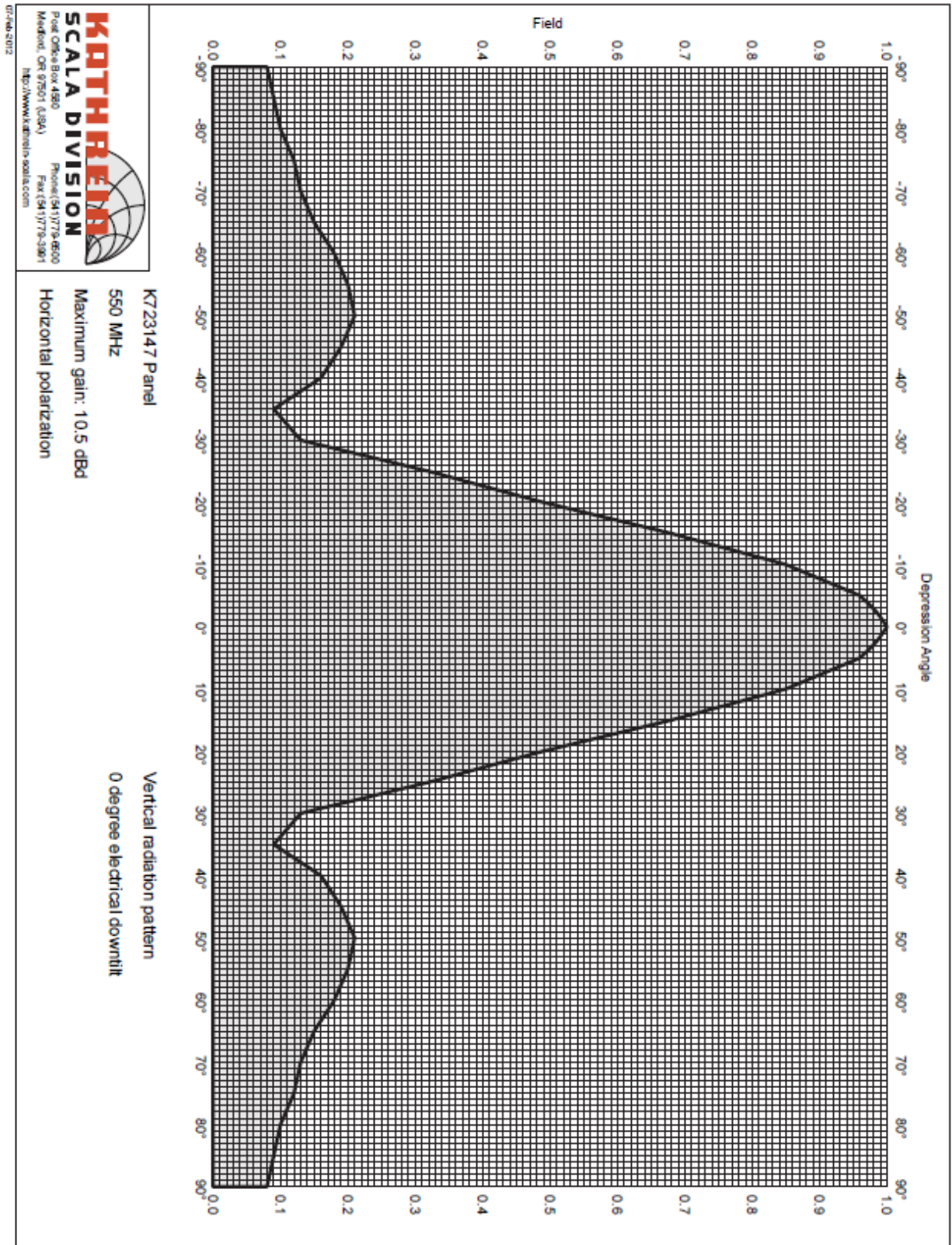
Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
270	0.040	-27.96	-17.46	0.02	315	0.489	-6.21	4.29	2.68
271	0.044	-27.13	-16.63	0.02	316	0.503	-5.97	4.53	2.84
272	0.049	-26.20	-15.70	0.03	317	0.517	-5.73	4.77	3.00
273	0.054	-25.35	-14.85	0.03	318	0.531	-5.50	5.00	3.16
274	0.060	-24.44	-13.94	0.04	319	0.545	-5.27	5.23	3.33
275	0.066	-23.61	-13.11	0.05	320	0.560	-5.04	5.46	3.52
276	0.072	-22.85	-12.35	0.06	321	0.576	-4.79	5.71	3.72
277	0.079	-22.05	-11.55	0.07	322	0.591	-4.57	5.93	3.92
278	0.086	-21.31	-10.81	0.08	323	0.607	-4.34	6.16	4.13
279	0.093	-20.63	-10.13	0.10	324	0.623	-4.11	6.39	4.35
280	0.100	-20.00	-9.50	0.11	325	0.639	-3.89	6.61	4.58
281	0.105	-19.58	-9.08	0.12	326	0.656	-3.66	6.84	4.83
282	0.110	-19.17	-8.67	0.14	327	0.672	-3.45	7.05	5.07
283	0.115	-18.79	-8.29	0.15	328	0.688	-3.25	7.25	5.31
284	0.121	-18.34	-7.84	0.16	329	0.704	-3.05	7.45	5.56
285	0.126	-17.99	-7.49	0.18	330	0.720	-2.85	7.65	5.82
286	0.132	-17.59	-7.09	0.20	331	0.736	-2.66	7.84	6.08
287	0.138	-17.20	-6.70	0.21	332	0.752	-2.48	8.02	6.35
288	0.145	-16.77	-6.27	0.24	333	0.768	-2.29	8.21	6.62
289	0.152	-16.36	-5.86	0.26	334	0.784	-2.11	8.39	6.90
290	0.160	-15.92	-5.42	0.29	335	0.799	-1.95	8.55	7.16
291	0.170	-15.39	-4.89	0.32	336	0.814	-1.79	8.71	7.43
292	0.180	-14.89	-4.39	0.36	337	0.829	-1.63	8.87	7.71
293	0.192	-14.33	-3.83	0.41	338	0.843	-1.48	9.02	7.97
294	0.203	-13.85	-3.35	0.46	339	0.857	-1.34	9.16	8.24
295	0.215	-13.35	-2.85	0.52	340	0.870	-1.21	9.29	8.49
296	0.227	-12.88	-2.38	0.58	341	0.882	-1.09	9.41	8.73
297	0.240	-12.40	-1.90	0.65	342	0.892	-0.99	9.51	8.93
298	0.253	-11.94	-1.44	0.72	343	0.903	-0.89	9.61	9.15
299	0.266	-11.50	-1.00	0.79	344	0.913	-0.79	9.71	9.35
300	0.280	-11.06	-0.56	0.88	345	0.922	-0.71	9.79	9.54
301	0.293	-10.66	-0.16	0.96	346	0.931	-0.62	9.88	9.73
302	0.307	-10.26	0.24	1.06	347	0.939	-0.55	9.95	9.89
303	0.321	-9.87	0.63	1.16	348	0.946	-0.48	10.02	10.04
304	0.335	-9.50	1.00	1.26	349	0.953	-0.42	10.08	10.19
305	0.349	-9.14	1.36	1.37	350	0.960	-0.35	10.15	10.34
306	0.363	-8.80	1.70	1.48	351	0.967	-0.29	10.21	10.49
307	0.377	-8.47	2.03	1.59	352	0.973	-0.24	10.26	10.62
308	0.391	-8.16	2.34	1.72	353	0.979	-0.18	10.32	10.75
309	0.406	-7.83	2.67	1.85	354	0.984	-0.14	10.36	10.86
310	0.420	-7.54	2.96	1.98	355	0.988	-0.10	10.40	10.95
311	0.434	-7.25	3.25	2.11	356	0.992	-0.07	10.43	11.04
312	0.447	-6.99	3.51	2.24	357	0.995	-0.04	10.46	11.11
313	0.461	-6.73	3.77	2.38	358	0.997	-0.03	10.47	11.15
314	0.475	-6.47	4.03	2.53	359	0.999	-0.01	10.49	11.20

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Una Vez Mas Brownsville License, LLC

December 11, 2013



K723147 Panel

550 MHz

Maximum gain: 10.5 dBd

Horizontal polarization

Vertical radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.080	-21.94	-11.44	0.07	-45	0.190	-14.42	-3.92	0.41
-89	0.082	-21.72	-11.22	0.08	-44	0.184	-14.70	-4.20	0.38
-88	0.084	-21.51	-11.01	0.08	-43	0.178	-14.99	-4.49	0.36
-87	0.086	-21.31	-10.81	0.08	-42	0.172	-15.29	-4.79	0.33
-86	0.088	-21.11	-10.61	0.09	-41	0.166	-15.60	-5.10	0.31
-85	0.090	-20.92	-10.42	0.09	-40	0.160	-15.92	-5.42	0.29
-84	0.092	-20.72	-10.22	0.09	-39	0.146	-16.71	-6.21	0.24
-83	0.094	-20.54	-10.04	0.10	-38	0.132	-17.59	-7.09	0.20
-82	0.096	-20.35	-9.85	0.10	-37	0.118	-18.56	-8.06	0.16
-81	0.098	-20.18	-9.68	0.11	-36	0.104	-19.66	-9.16	0.12
-80	0.100	-20.00	-9.50	0.11	-35	0.090	-20.92	-10.42	0.09
-79	0.104	-19.66	-9.16	0.12	-34	0.098	-20.18	-9.68	0.11
-78	0.108	-19.33	-8.83	0.13	-33	0.106	-19.49	-8.99	0.13
-77	0.112	-19.02	-8.52	0.14	-32	0.114	-18.86	-8.36	0.15
-76	0.116	-18.71	-8.21	0.15	-31	0.122	-18.27	-7.77	0.17
-75	0.120	-18.42	-7.92	0.16	-30	0.130	-17.72	-7.22	0.19
-74	0.122	-18.27	-7.77	0.17	-29	0.168	-15.49	-4.99	0.32
-73	0.124	-18.13	-7.63	0.17	-28	0.206	-13.72	-3.22	0.48
-72	0.126	-17.99	-7.49	0.18	-27	0.244	-12.25	-1.75	0.67
-71	0.128	-17.86	-7.36	0.18	-26	0.282	-11.00	-0.50	0.89
-70	0.130	-17.72	-7.22	0.19	-25	0.320	-9.90	0.60	1.15
-69	0.134	-17.46	-6.96	0.20	-24	0.354	-9.02	1.48	1.41
-68	0.138	-17.20	-6.70	0.21	-23	0.388	-8.22	2.28	1.69
-67	0.142	-16.95	-6.45	0.23	-22	0.422	-7.49	3.01	2.00
-66	0.146	-16.71	-6.21	0.24	-21	0.456	-6.82	3.68	2.33
-65	0.150	-16.48	-5.98	0.25	-20	0.490	-6.20	4.30	2.69
-64	0.156	-16.14	-5.64	0.27	-19	0.528	-5.55	4.95	3.13
-63	0.162	-15.81	-5.31	0.29	-18	0.566	-4.94	5.56	3.59
-62	0.168	-15.49	-4.99	0.32	-17	0.604	-4.38	6.12	4.09
-61	0.174	-15.19	-4.69	0.34	-16	0.642	-3.85	6.65	4.62
-60	0.180	-14.89	-4.39	0.36	-15	0.680	-3.35	7.15	5.19
-59	0.184	-14.70	-4.20	0.38	-14	0.714	-2.93	7.57	5.72
-58	0.188	-14.52	-4.02	0.40	-13	0.748	-2.52	7.98	6.28
-57	0.192	-14.33	-3.83	0.41	-12	0.782	-2.14	8.36	6.86
-56	0.196	-14.15	-3.65	0.43	-11	0.816	-1.77	8.73	7.47
-55	0.200	-13.98	-3.48	0.45	-10	0.850	-1.41	9.09	8.11
-54	0.202	-13.89	-3.39	0.46	-9	0.872	-1.19	9.31	8.53
-53	0.204	-13.81	-3.31	0.47	-8	0.894	-0.97	9.53	8.97
-52	0.206	-13.72	-3.22	0.48	-7	0.916	-0.76	9.74	9.41
-51	0.208	-13.64	-3.14	0.49	-6	0.938	-0.56	9.94	9.87
-50	0.210	-13.56	-3.06	0.49	-5	0.960	-0.35	10.15	10.34
-49	0.206	-13.72	-3.22	0.48	-4	0.970	-0.27	10.23	10.55
-48	0.202	-13.89	-3.39	0.46	-3	0.979	-0.18	10.32	10.76
-47	0.198	-14.07	-3.57	0.44	-2	0.987	-0.11	10.39	10.93
-46	0.194	-14.24	-3.74	0.42	-1	0.994	-0.06	10.44	11.08
					0	1.000	0.00	10.50	11.22

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Una Vez Mas Brownsville License, LLC

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K723147 Panel

550 MHz

Maximum gain: 10.5 dBd

Horizontal polarization

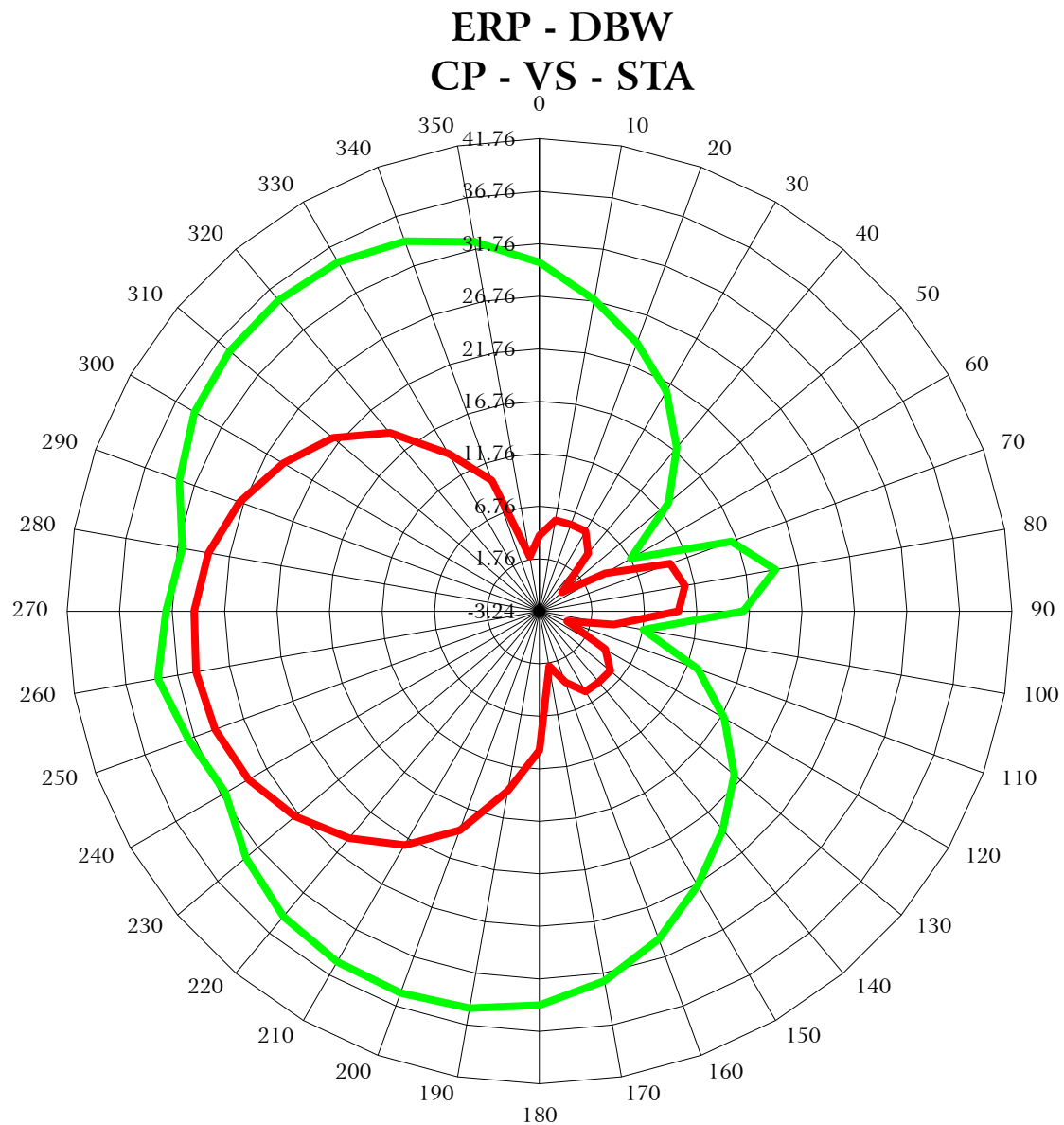
Vertical radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	10.50	11.22	45	0.190	-14.42	-3.92	0.41
1	0.994	-0.06	10.44	11.08	46	0.194	-14.24	-3.74	0.42
2	0.987	-0.11	10.39	10.93	47	0.198	-14.07	-3.57	0.44
3	0.979	-0.18	10.32	10.76	48	0.202	-13.89	-3.39	0.46
4	0.970	-0.27	10.23	10.55	49	0.206	-13.72	-3.22	0.48
5	0.960	-0.35	10.15	10.34	50	0.210	-13.56	-3.06	0.49
6	0.938	-0.56	9.94	9.87	51	0.208	-13.64	-3.14	0.49
7	0.916	-0.76	9.74	9.41	52	0.206	-13.72	-3.22	0.48
8	0.894	-0.97	9.53	8.97	53	0.204	-13.81	-3.31	0.47
9	0.872	-1.19	9.31	8.53	54	0.202	-13.89	-3.39	0.46
10	0.850	-1.41	9.09	8.11	55	0.200	-13.98	-3.48	0.45
11	0.816	-1.77	8.73	7.47	56	0.196	-14.15	-3.65	0.43
12	0.782	-2.14	8.36	6.86	57	0.192	-14.33	-3.83	0.41
13	0.748	-2.52	7.98	6.28	58	0.188	-14.52	-4.02	0.40
14	0.714	-2.93	7.57	5.72	59	0.184	-14.70	-4.20	0.38
15	0.680	-3.35	7.15	5.19	60	0.180	-14.89	-4.39	0.36
16	0.642	-3.85	6.65	4.62	61	0.174	-15.19	-4.69	0.34
17	0.604	-4.38	6.12	4.09	62	0.168	-15.49	-4.99	0.32
18	0.566	-4.94	5.56	3.59	63	0.162	-15.81	-5.31	0.29
19	0.528	-5.55	4.95	3.13	64	0.156	-16.14	-5.64	0.27
20	0.490	-6.20	4.30	2.69	65	0.150	-16.48	-5.98	0.25
21	0.456	-6.82	3.68	2.33	66	0.146	-16.71	-6.21	0.24
22	0.422	-7.49	3.01	2.00	67	0.142	-16.95	-6.45	0.23
23	0.388	-8.22	2.28	1.69	68	0.138	-17.20	-6.70	0.21
24	0.354	-9.02	1.48	1.41	69	0.134	-17.46	-6.96	0.20
25	0.320	-9.90	0.60	1.15	70	0.130	-17.72	-7.22	0.19
26	0.282	-11.00	-0.50	0.89	71	0.128	-17.86	-7.36	0.18
27	0.244	-12.25	-1.75	0.67	72	0.126	-17.99	-7.49	0.18
28	0.206	-13.72	-3.22	0.48	73	0.124	-18.13	-7.63	0.17
29	0.168	-15.49	-4.99	0.32	74	0.122	-18.27	-7.77	0.17
30	0.130	-17.72	-7.22	0.19	75	0.120	-18.42	-7.92	0.16
31	0.122	-18.27	-7.77	0.17	76	0.116	-18.71	-8.21	0.15
32	0.114	-18.86	-8.36	0.15	77	0.112	-19.02	-8.52	0.14
33	0.106	-19.49	-8.99	0.13	78	0.108	-19.33	-8.83	0.13
34	0.098	-20.18	-9.68	0.11	79	0.104	-19.66	-9.16	0.12
35	0.090	-20.92	-10.42	0.09	80	0.100	-20.00	-9.50	0.11
36	0.104	-19.66	-9.16	0.12	81	0.098	-20.18	-9.68	0.11
37	0.118	-18.56	-8.06	0.16	82	0.096	-20.35	-9.85	0.10
38	0.132	-17.59	-7.09	0.20	83	0.094	-20.54	-10.04	0.10
39	0.146	-16.71	-6.21	0.24	84	0.092	-20.72	-10.22	0.09
40	0.160	-15.92	-5.42	0.29	85	0.090	-20.92	-10.42	0.09
41	0.166	-15.60	-5.10	0.31	86	0.088	-21.11	-10.61	0.09
42	0.172	-15.29	-4.79	0.33	87	0.086	-21.31	-10.81	0.08
43	0.178	-14.99	-4.49	0.36	88	0.084	-21.51	-11.01	0.08
44	0.184	-14.70	-4.20	0.38	89	0.082	-21.72	-11.22	0.08
					90	0.080	-21.94	-11.44	0.07

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APPENDIX C – ERP IN DBW COMPARISON



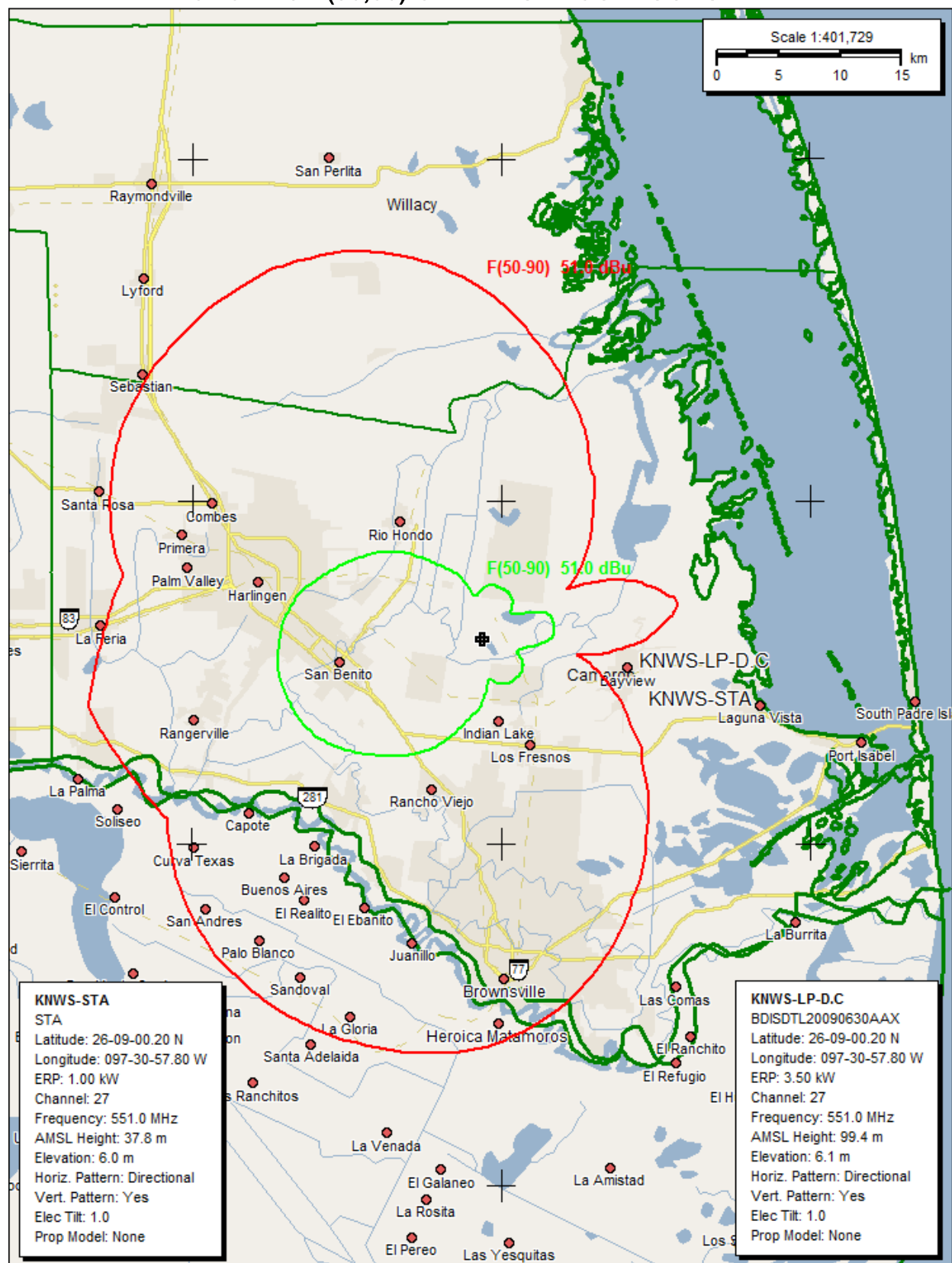
- * GREEN LINE = PEAK CONSTRUCTION PERMITTED
- * RED LINE = PEAK SPECIAL TEMPORARY AUTHORITY

APPLICATION FOR A SPECIAL TEMPORARY AUTHORIZATION – KNWS-LP*Una Vez Mas Brownsville License, LLC*

December 11, 2013

AZIMUTH	ALLOTTED ERP (DB)	PROPOSED ERP (DB)	Meets ERP Margin BY (DB)
N000°E	29.992	3.979	26.012
N010°E	26.898	5.563	21.335
N020°E	23.938	5.563	18.375
N030°E	20.970	5.563	15.407
N040°E	17.096	3.979	13.117
N050°E	12.825	-0.458	13.283
N060°E	6.805	3.979	2.825
N070°E	16.189	10.000	6.189
N080°E	19.577	10.828	8.749
N090°E	16.189	10.000	6.189
N100°E	6.805	3.979	2.825
N110°E	12.825	-0.458	13.283
N120°E	17.096	3.979	13.117
N130°E	20.970	5.563	15.407
N140°E	23.938	5.563	18.375
N150°E	26.898	5.563	21.335
N160°E	29.992	3.979	26.012
N170°E	32.490	2.041	30.449
N180°E	34.251	10.000	24.251
N190°E	35.149	14.082	21.067
N200°E	35.441	18.943	16.498
N210°E	35.301	22.465	12.836
N220°E	34.707	24.964	9.743
N230°E	33.271	27.147	6.125
N240°E	31.316	28.790	2.526
N250°E	32.343	29.645	2.697
N260°E	33.674	30.000	3.674
N270°E	32.343	29.645	2.697
N280°E	31.316	28.790	2.526
N290°E	33.271	27.147	6.125
N300°E	34.707	24.964	9.743
N310°E	35.301	22.465	12.836
N320°E	35.441	18.943	16.498
N330°E	35.149	14.082	21.067
N340°E	34.251	10.000	24.251
N350°E	32.490	2.041	30.449

APPENDIX D – 51.0 DBU F(50,90) CP AND STA CONTOURS



APPENDIX E – FAR FIELD EXPOSURE TO RF EMISSIONS

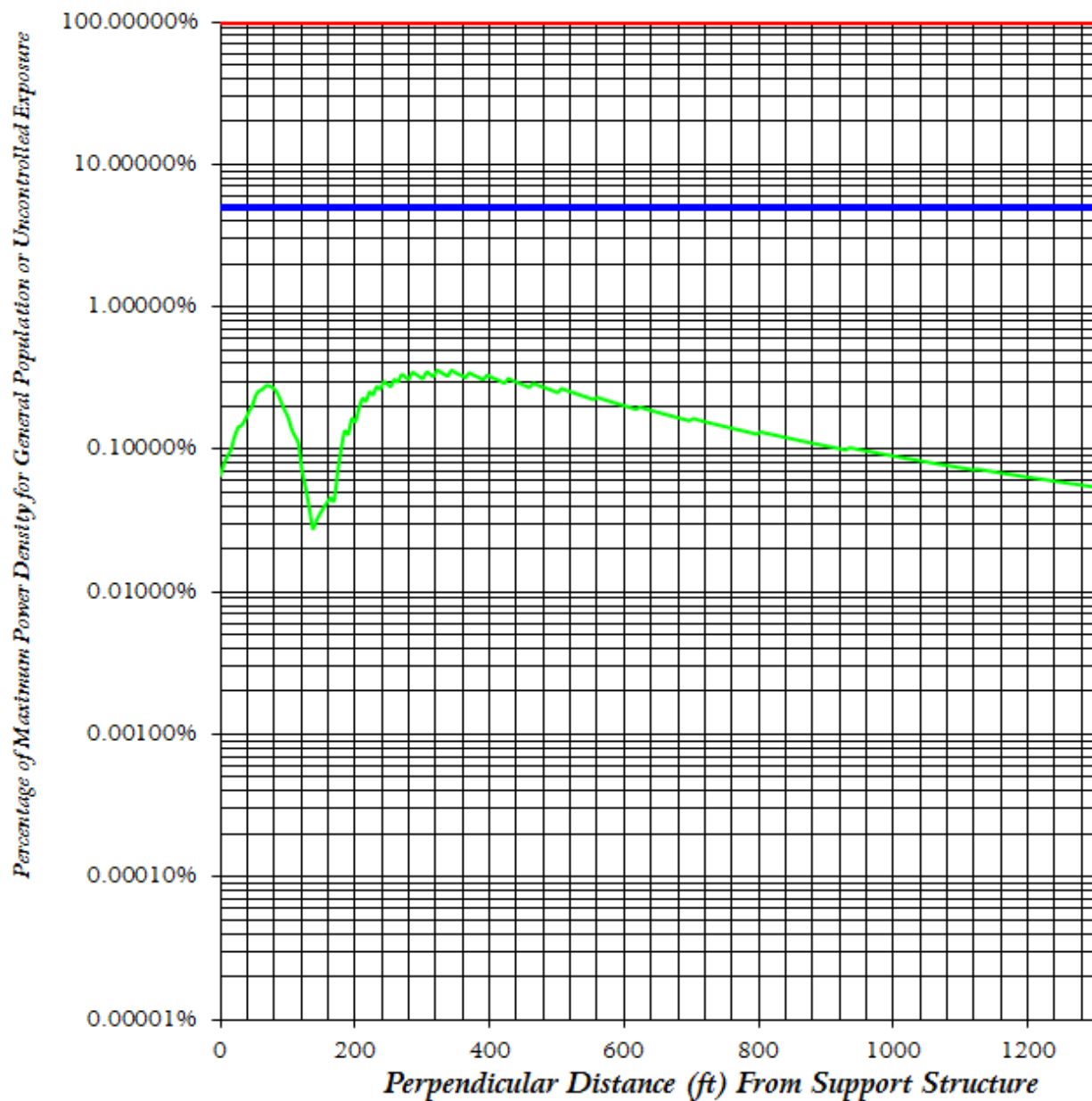
A theoretical analysis has been conducted of the human exposure to radio frequency radiation (“RFR”) using the calculation methodology described in OET Bulletin 65, Edition 97-01. The RFR analysis is conducted pursuant to the following methodology:

Terrain extraction is compiled from the proposed tower site to radial lengths of 0.25 miles in 0.001 mile increments for 360 radials. The power density is calculated for each terrain point at 6 feet above ground level using the elevation and azimuth pattern of the proposed broadcast antenna. The power density calculations are conducted using the lower edge of the proposed channel frequency. To account for ground reflections, a coefficient of 1.6 was included in the calculation.

The resulting cylindrical polar analysis is then summarized into a coordinate plane graph using the following methodology:

Starting from the origin the maximum calculated RFR value is determined among the 360 degree radials for each 0.001 mile increment, the value is then converted into a percentage of the maximum allowable general population or uncontrolled exposure and plotted as a function of perpendicular distance from the tower.

FAR FIELD EXPOSURE TO RF EMISSIONS



- Maximum Allowable General Population or Uncontrolled Exposure
- 5 % of Maximum General Population or Uncontrolled Exposure
- Percentage of Maximum General Population or Uncontrolled Exposure