TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
WQAM LICENSE LIMITED PARTNERSHIP
RADIO STATION WQAM
MIAMI, FLORIDA

October 9, 2009

560 KHZ 50 KW-D 25 KW-N U DA-2

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Technical Narrative

The technical exhibit of which this narrative is part has been prepared on behalf of WQAM License Limited Partnership, licensee of AM broadcast station WQAM at Miami, Florida. WQAM is licensed as a Class B station for operation on 560 kilohertz with daytime power of 5 kilowatts and nighttime power of 1 kilowatt, operating with the same non-directional antenna pattern during daytime and nighttime hours. By means of this present application, the licensee proposes to change transmitter site locations with new directional antennas for both daytime and nighttime operation. WQAM proposes to co-locate with existing AM station WAXY, operating on 790 kilohertz. The daytime power will increase to 50 kilowatts while the nighttime power will increase to 25 kilowatts. The daytime and nighttime services are proposed from the same site location.

The proposal is classified as a minor change according to 47 CFR 73.3571(a)(2). As a Class B station operating on one of the channels listed in 73.26(a), the proposal satisfies 47 CFR 73.21(a)(2) which permits operation with a nominal power of not less than 0.25 kilowatt nor more than 50 kilowatts at any time.

The Federal Aviation Administration has not been notified of the proposal as new tower construction is not proposed.

Proposed Transmitter Location

The proposed WQAM facility will be co-located with existing station WAXY at NAD27 coordinates:

25-45-25 North
80-38-13 West

The antenna site plat is shown on Figure 1.

Directional Antenna Systems

A total of five existing towers will be employed for the daytime and nighttime directional antenna patterns. As indicated on Figure 2, the radiating elements for all towers are 76.2 meters (250 feet) in height and have an overall height of 78.9 meters (259 feet) above ground level. All towers have top loading. A summary of specifications for each of the directional antenna arrays is included herein as Figure 3.

The daytime and nighttime directional antenna patterns have been calculated in accordance with 47 CFR 73.150 assuming a one-ohm lumped loss resistance at the current loop of each tower in the array. The daytime standard radiation pattern is shown herein as Figure 4 and is tabulated in Figure 5. The nighttime standard radiation pattern is shown herein as Figure 10 and is tabulated in Figure 11.

Section 73.24(g)

The provisions of 47 CFR 73.24(g) require that the population within the 1,000 mV/m contour not exceed 300 persons. At the proposed location, during daytime or nightime hours, the proposed 1,000 mV/m contour encompasses 0 persons thus the provisions of 47 CFR 73.24(g) are met.

Daytime Coverage

The proposed WQAM daytime field strength contours are depicted on Figure 6 and the existing daytime field strength contours are shown on Figure 7. As indicated on Figure 6, the proposed daytime 5 mV/m contour will completely encompass the city limits of Miami. The Miami city limits depicted were obtained from a map contained in the TIGER 2000 U.S. census files.

Daytime Allocation Study

A daytime allocation study was made utilizing FCC Figure M-3 and the conductivity map included in the Region II Agreement as shown on Figure 8. Daytime field strength contours were calculated in accordance with 47 CFR 73.183. Figure 9 is a tabulation of the data employed in the calculation of daytime contours.

Sheet 1 of Figure 8 shows a reduction in interference to domestic co-channel stations WVOC and WGAI while sheet 2 shows interference reduction to first adjacent station WTBN. Sheet 3 of Figure 8 shows a reduction in interference to foreign stations, XEQAA and JBC and that the proposed 0.025 mV/m contour is completely within the existing 0.025 mV/m contour toward the 0.5 mV/m contour of Cuban station CMIA. Station HIAA, in the Dominican Republic, is fully protected per the requirements of the Region II Agreement for Noise Zone 2 stations as shown on Sheet 4. Sheet 5 shows a reduction in interference toward two Cuban stations,

CMEA and CMBV, as the respective proposed 0.5 mV/m contours are within the existing 0.5 mV/m protected contours.

Nighttime Coverage

The proposed WQAM nighttime interference-free(NIF) field strength contour is depicted on Figure 12 and the existing NIF field strength contour is shown on Figure 13. As can be seen from Figure 12, the proposed NIF contour will provide 100 percent coverage of the area within the city limits of Miami.

Nighttime Allocation Study

The proposed WQAM facility will afford nighttime protection to all stations and international allotments operating on 550 kHz, 560 kHz, and 570 kHz. Figure 14 contains pertinent calculation data to support a conclusion that this proposal comports with all nighttime interference protection requirements.

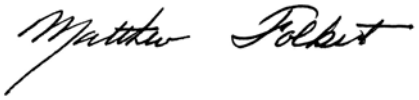
Pattern RMS Considerations

As the proposed daytime and nighttime patterns are to utilize existing towers of a station that operates on a higher frequency, a pattern RMS of 282 mV/m for 1 kW or greater is not possible due to the tower height. As a result, it is necessary to take advantage of the provisions of 73.189(b)(6) that allows, as an alternative, to design for an RMS exceeding *"90 percent of the ground wave field which would be obtained from a perfect antenna of the height specified by Figure 7.."* The minimum efficiency that is required for the proposed patterns is then 90 percent of 288 mV/m, or 259.2 mV/m at 1 kW. The proposed daytime efficiency is 268.8 mV/m at 1 kW and the proposed nighttime efficiency is 262.4 mV/m at 1 kW. Thus the provisions of 73.189(b)(6) are satisfied.

Environmental Considerations

The areas surrounding the tower bases will be appropriately restricted with fences of sufficient dimensions to prevent exposure above the ANSE guidelines with both stations operating. In addition, warning signs will be posted.

This statement addresses only human exposure to radiofrequency radiation and not to other non-radiofrequency radiation matters listed in the National Environmental Policy Act of 1969.



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October 9, 2009

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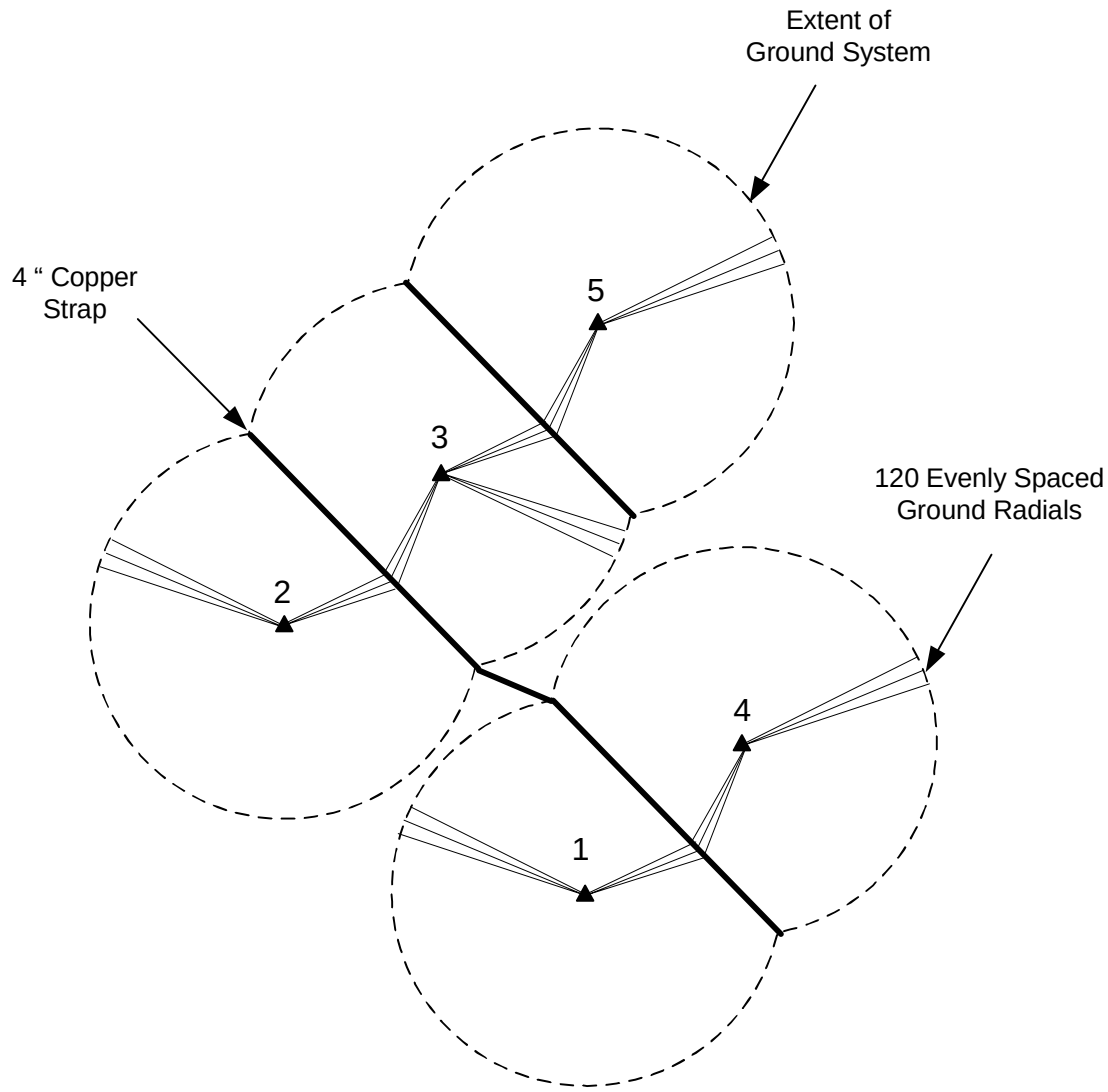

0 50 100

Scale
(meters)

Site Coordinates(NAD 27)
25º 45' 25" N
80º 38' 13" W

ANTENNA SITE PLAT

RADIO STATION WQAM
MIAMI, FLORIDA
560 KHZ 50 KW-D 25 KW-N U DA-2

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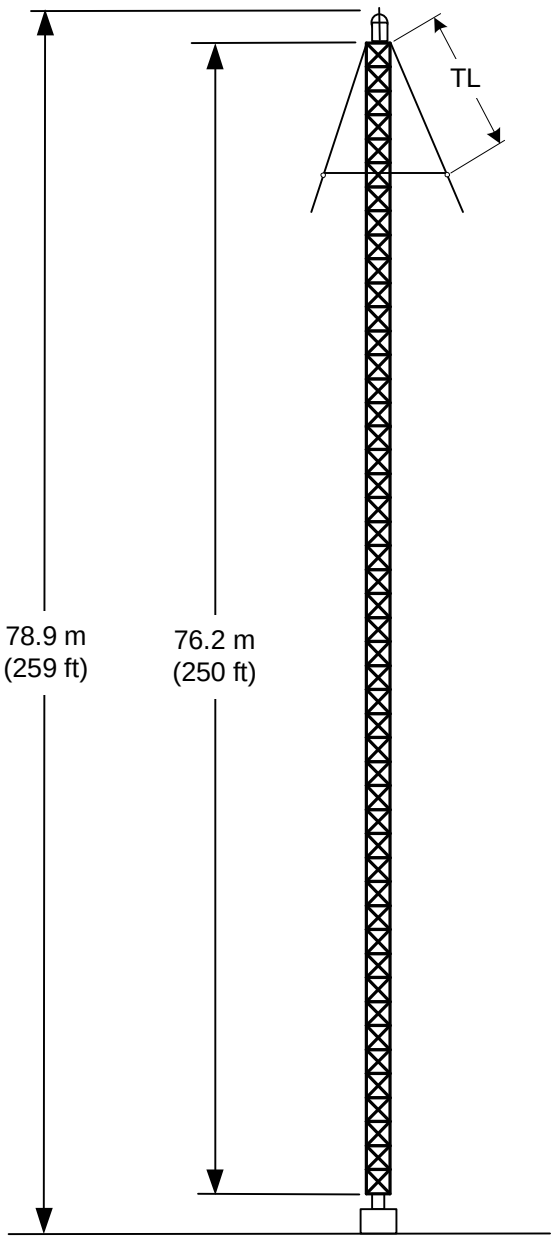

All Towers
(Existing)

Site Coordinates(NAD 27)
25º 45' 25" N
80º 38' 13" W

Not To Scale

SKETCH OF ANTENNA ELEMENTS

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Specifications for
Directional Antenna Systems

Frequency:	560 kHz
Hours of Operation:	Unlimited
Power:	50 kW(Day) 25 W(Night)
Number of Towers:	5
Type of Tower:	Guyed, Uniform Cross-section, Base-insulated
All Towers - height above base insulator	76.2 m (250 ft)
All Towers - overall height	78.9 m (259 ft)

Tower Arrangement:

Tower No.	Spacing (deg.)/(m)	Orientation (deg. True)
1	132.3/196.7	145.0
2	0.0	0.0
3	70.9/105.4	46.0
4	140.0/208.2	114.9
5	141.8/210.9	46.0

Daytime Element Field Parameters:

Tower No.	Field Ratio	Phase (degrees)
1	0.460	+29.2
2	0.565	+151.9
3	1.000	0.0
4	0.325	-129.8
5	0.482	-161.5

Nighttime Element Field Parameters:

Tower No.	Field Ratio	Phase (degrees)
1	0.552	+0.4
2	0.408	+168.2
3	1.000	0.0
4	0.601	-148.5
5	0.621	-147.7

Ground System:

Installed about the base of each tower are 120 evenly spaced, buried copper wire radials (#10 AWG), extending 94.9 meters (311 ft) from all towers except where shortened and bonded to transverse copper strap between towers. In addition, copper strap runs from the transmitter and down the line of towers and is bonded to ground at the base of each tower.

Geographic Coordinates of
Center of Antenna Array:

25° 45’ 25” North Latitude
80° 38’ 13” West Longitude

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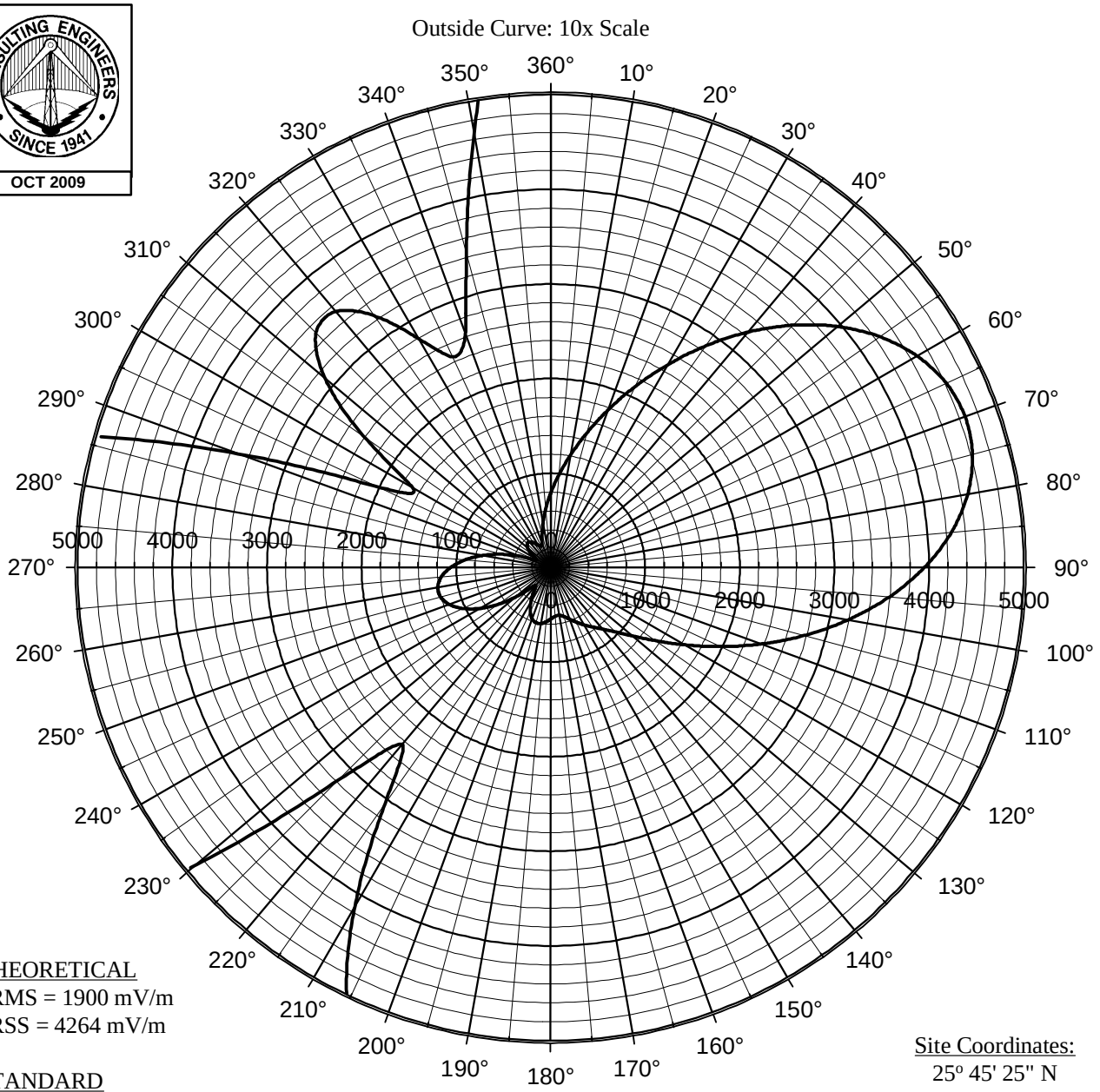

THEORETICAL
RMS = 1900 mV/m
RSS = 4264 mV/m

STANDARD
RMS = 1999 mV/m

Site Coordinates:
25º 45' 25" N
80º 38' 13" W

DIRECTIONAL ANTENNA PATTERN

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Height (deg.)	Top-Loading (deg.)
1	0.460	+29.2	132.3	145.0	51.3	7.1
2	0.565	+151.9	0.0	0.0	51.3	7.1
3	1.000	0.0	70.9	46.0	51.3	7.1
4	0.325	-129.8	140.0	114.9	51.3	7.1
5	0.482	-161.5	141.8	46.0	51.3	7.1

PROPOSED DAYTIME HORIZONTAL PLANE STANDARD RADIATION PATTERN

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Figure 5

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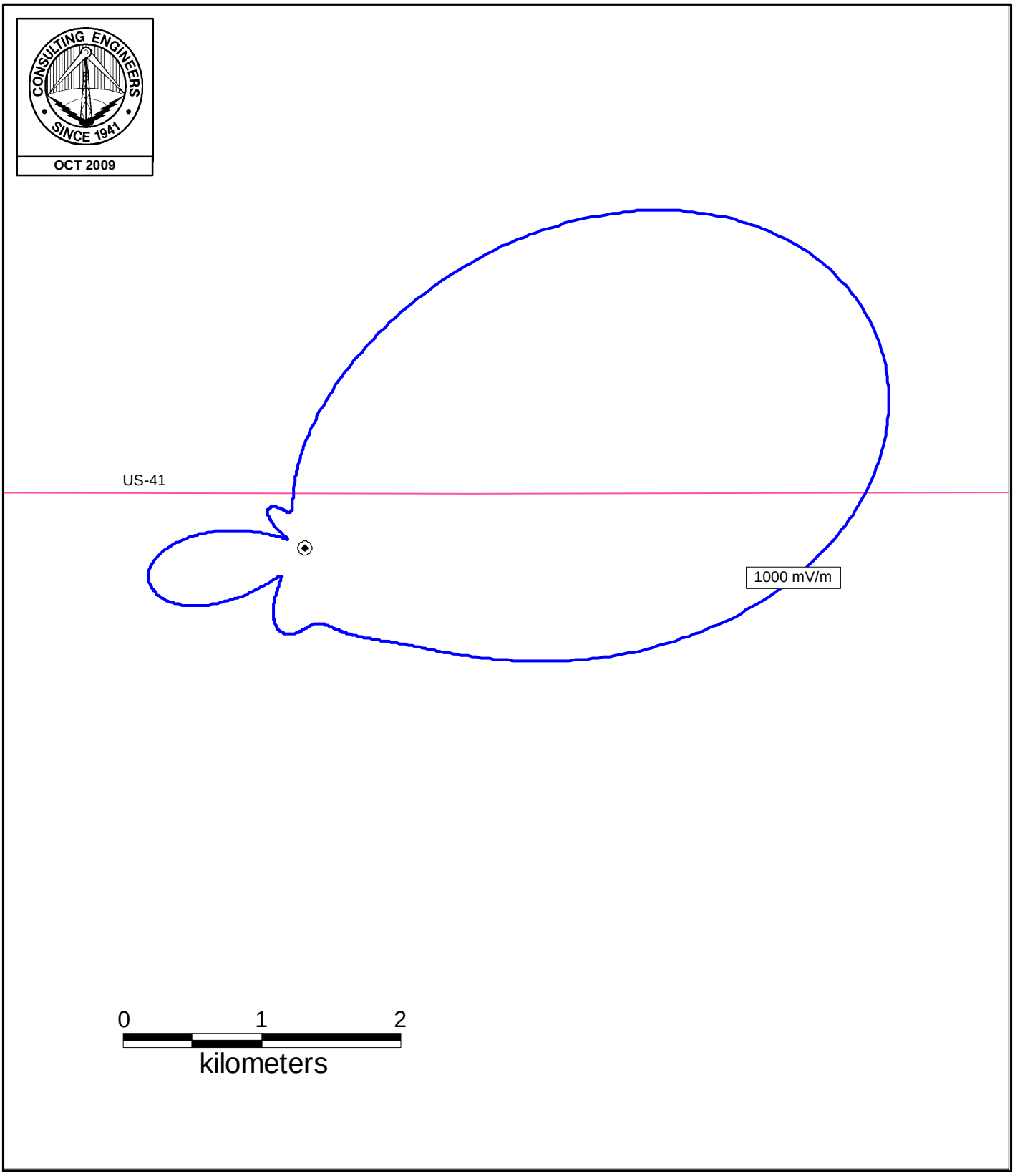
DAYTIME RADIATION PATTERN
(Radiation Values at One Kilometer)

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Height (deg.)	Top-Loading (deg.)
1	0.460	+29.2	132.3	145.0	51.3	7.1
2	0.565	+151.9	0.0	0.0	51.3	7.1
3	1.000	0	70.9	46.0	51.3	7.1
4	0.325	-129.8	140.0	114.9	51.3	7.1
5	0.482	-161.5	141.8	46.0	51.3	7.1

Input Power (kW)	Loop Loss (ohms)	Theo. RMS (mV/m)	Theo. RSS (mV/m)	Q Factor (mV/m)	Standard RMS (mV/m)
50	1.0	1900	4264	106.6	1999

Azimuth (mV/m)	Field (mV/m)	Azimuth (mV/m)	Field (mV/m)	Azimuth (mV/m)	Field (mV/m)	Azimuth (mV/m)	Field (mV/m)
0	783	90	3948	180	545	270	1059
5	978	95	3589	185	578	275	912
10	1204	100	3190	190	602	280	734
15	1467	105	2774	195	603	285	540
20	1769	110	2362	200	573	290	352
25	2108	115	1975	205	509	295	202
30	2476	120	1631	210	413	300	167
35	2861	125	1344	215	305	305	239
40	3249	130	1121	220	244	310	311
45	3623	135	960	225	319	315	351
50	3963	140	847	230	487	320	353
55	4252	145	765	235	680	325	325
60	4473	150	698	240	865	330	280
65	4612	155	635	245	1023	335	246
70	4661	160	578	250	1139	340	263
75	4616	165	534	255	1204	345	343
80	4476	170	512	260	1212	350	465
85	4250	175	518	265	1162	355	613



PROPOSED DAYTIME FIELD STRENGTH CONTOURS

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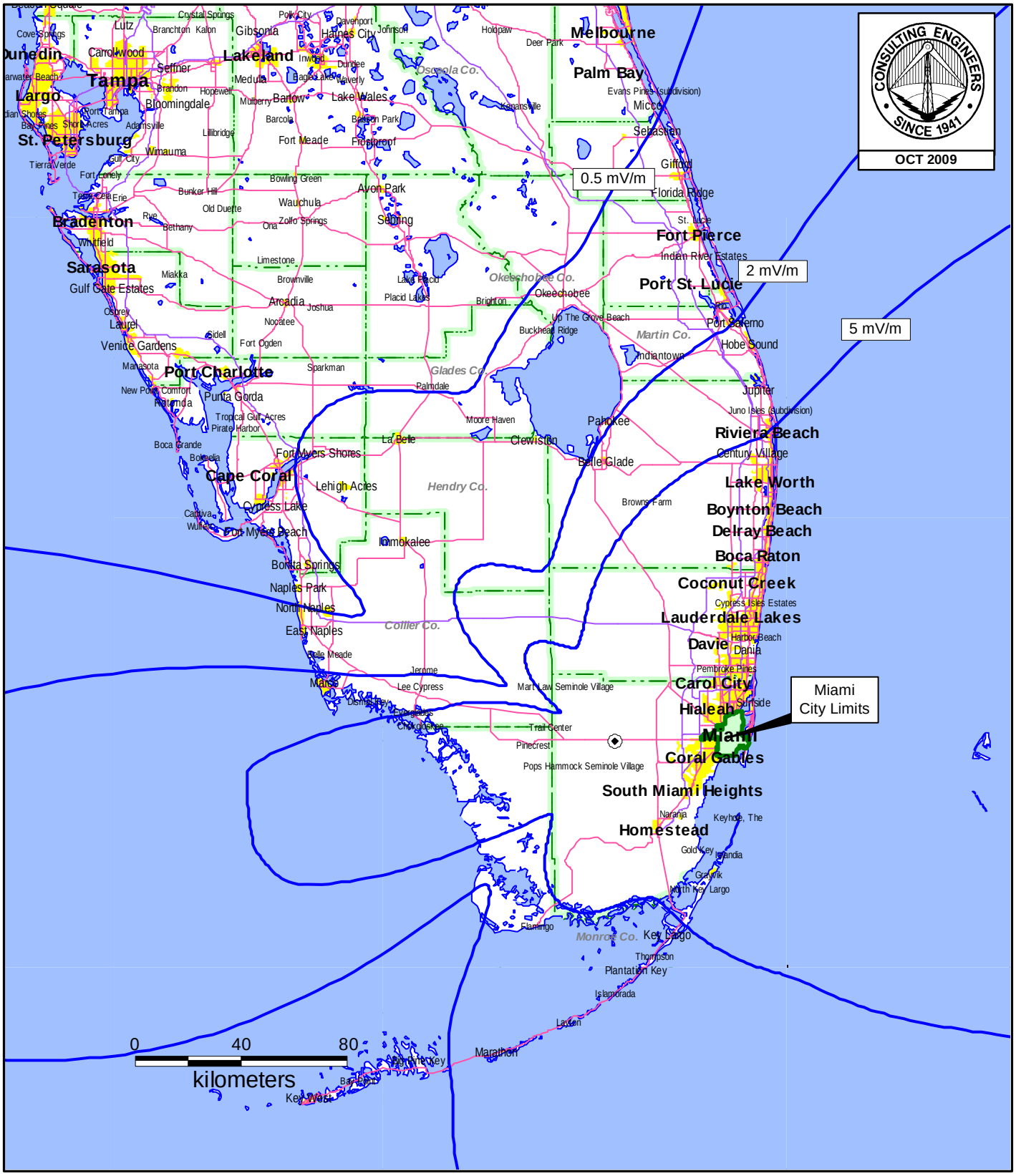

PROPOSED DAYTIME FIELD STRENGTH CONTOURS

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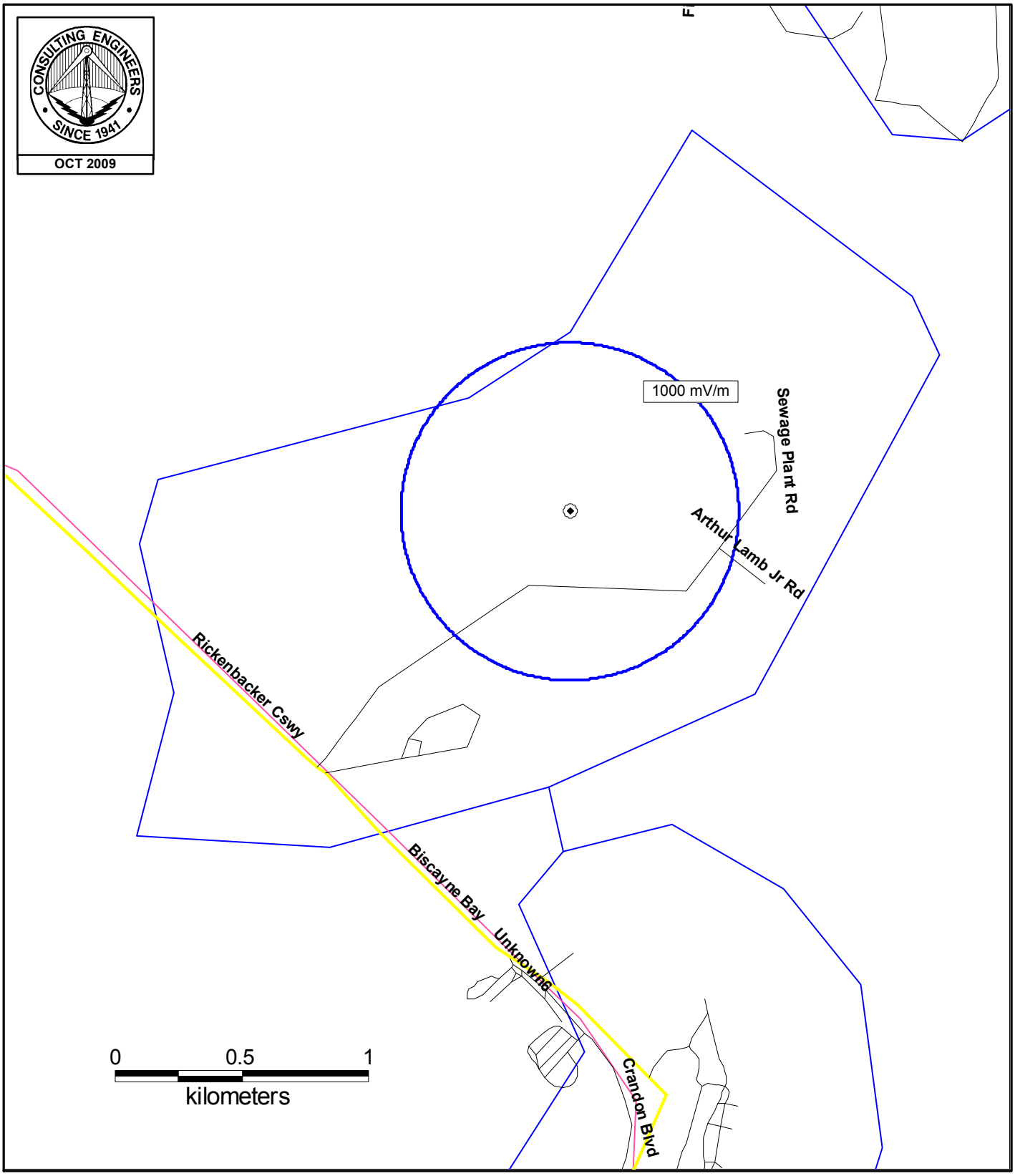

EXISTING DAYTIME FIELD STRENGTH CONTOURS

RADIO STATION WQAM
MIAMI, FLORIDA
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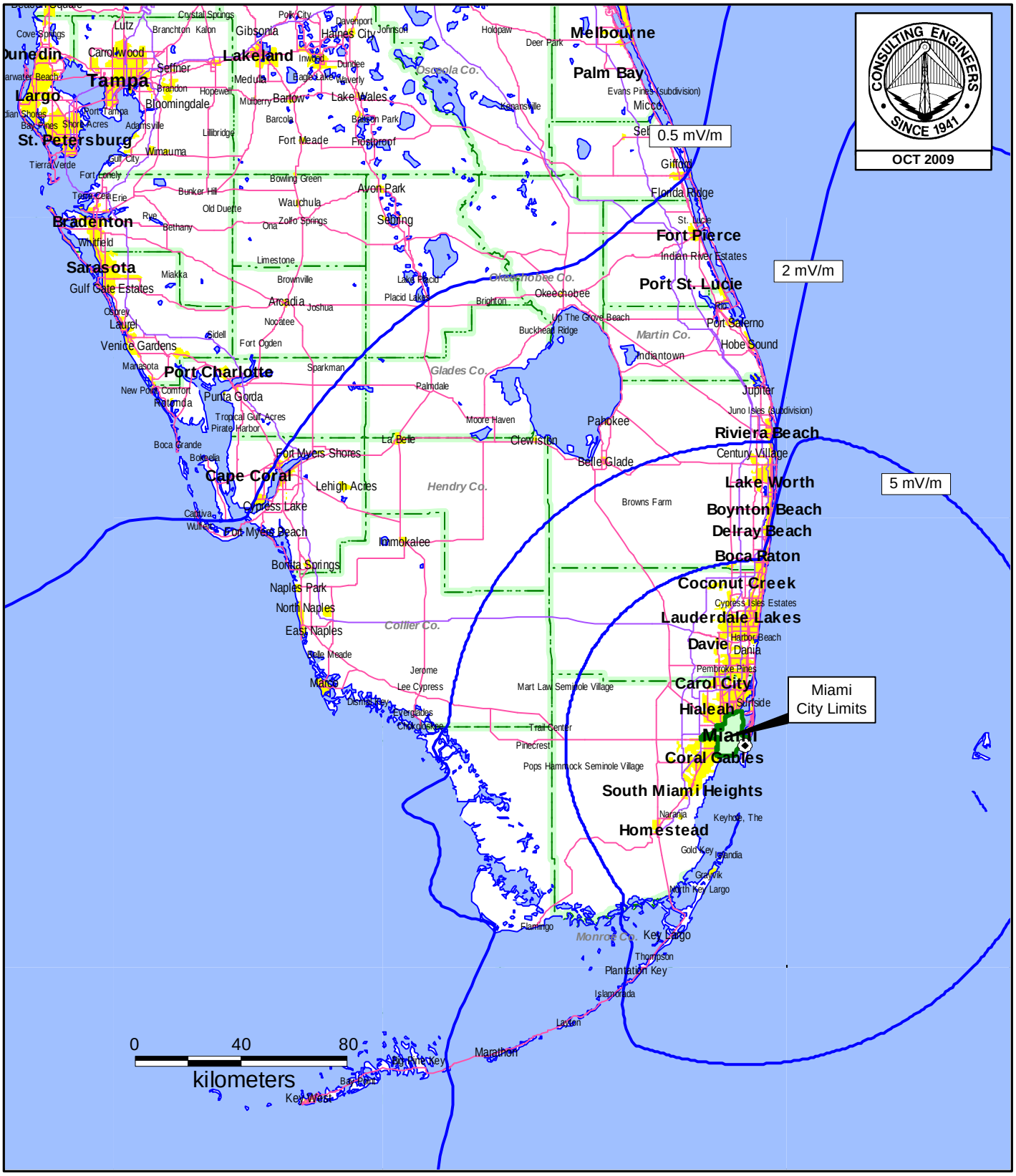

EXISTING DAYTIME FIELD STRENGTH CONTOURS

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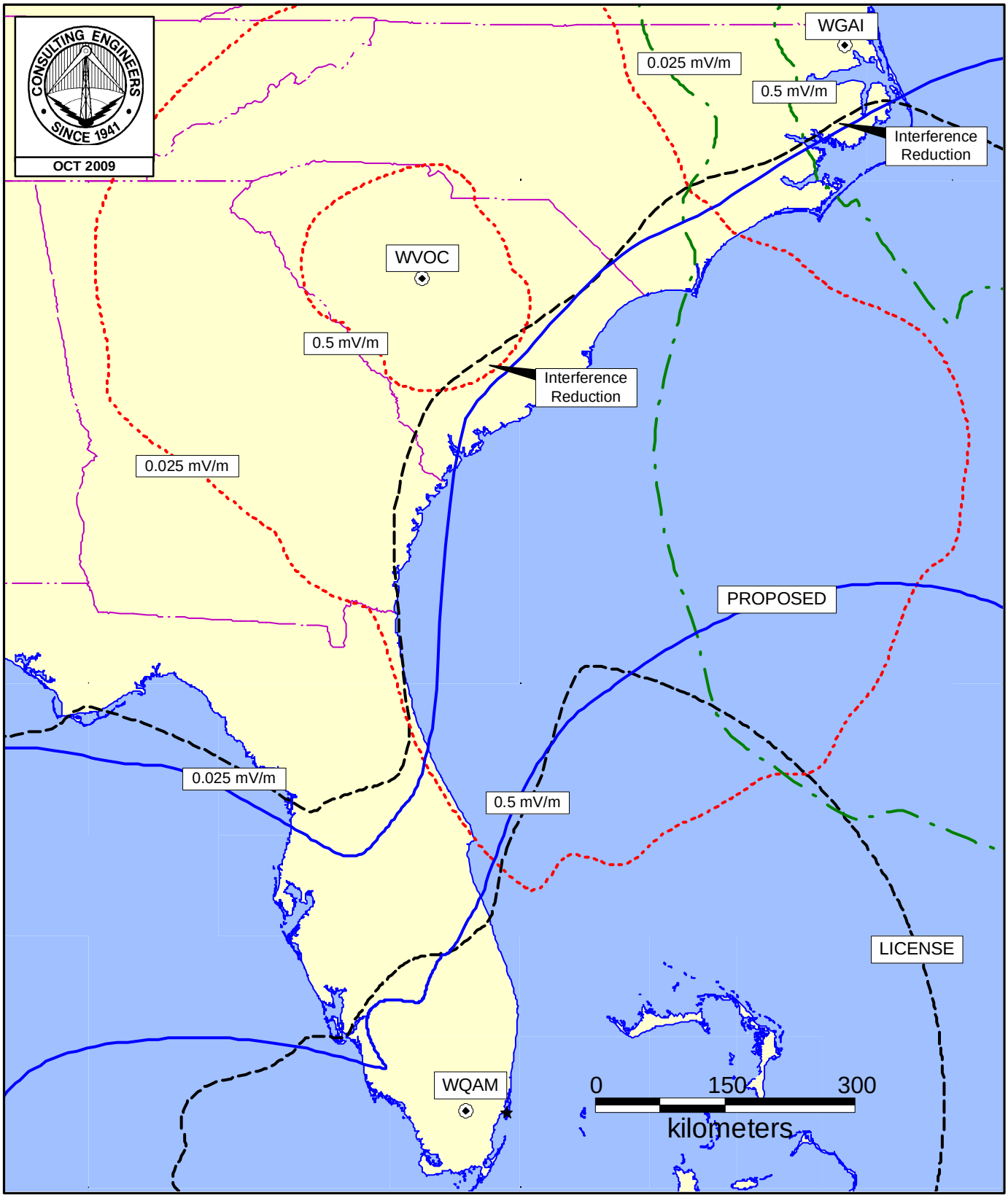

DAYTIME ALLOCATION STUDY

RADIO STATION WQAM
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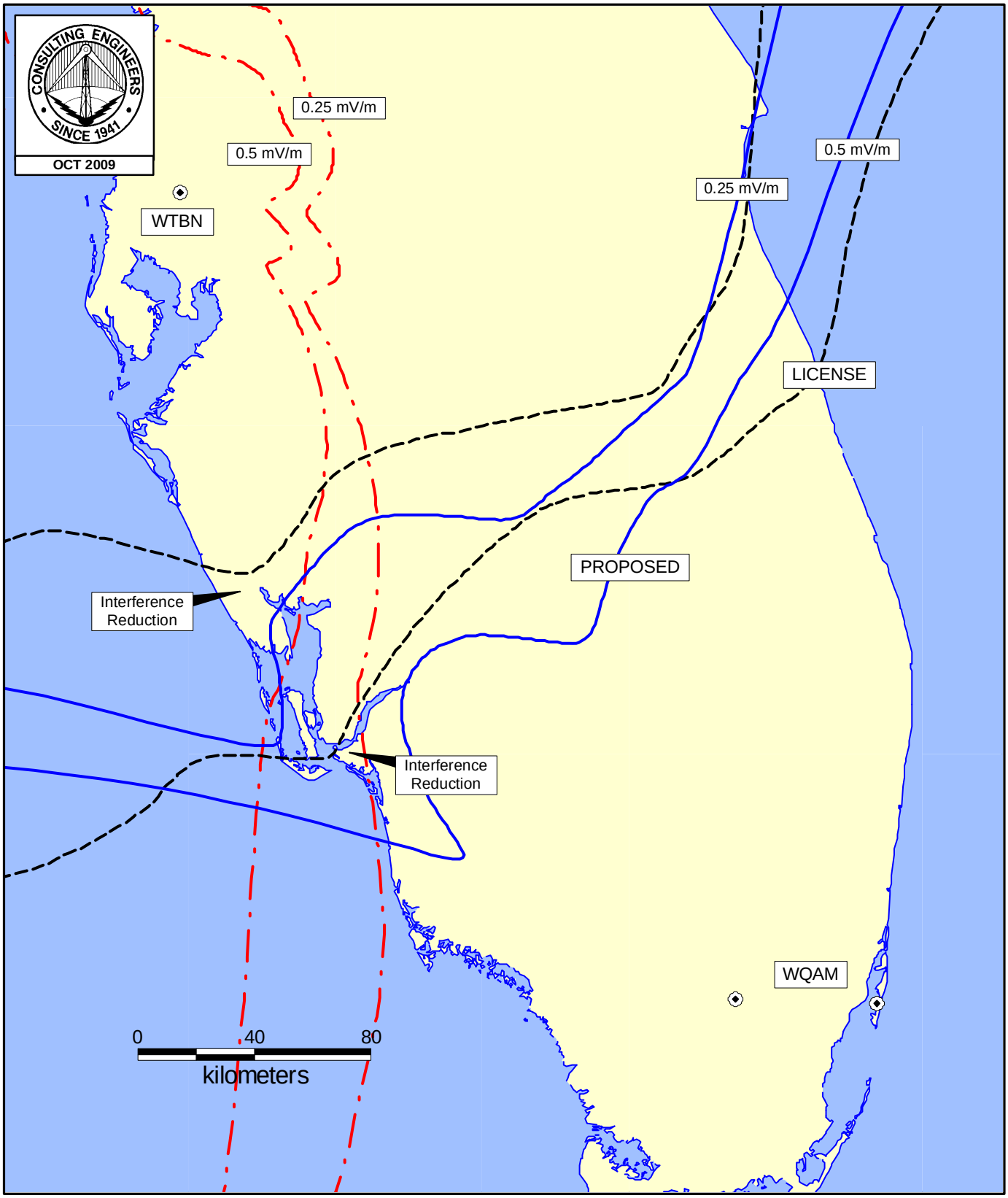

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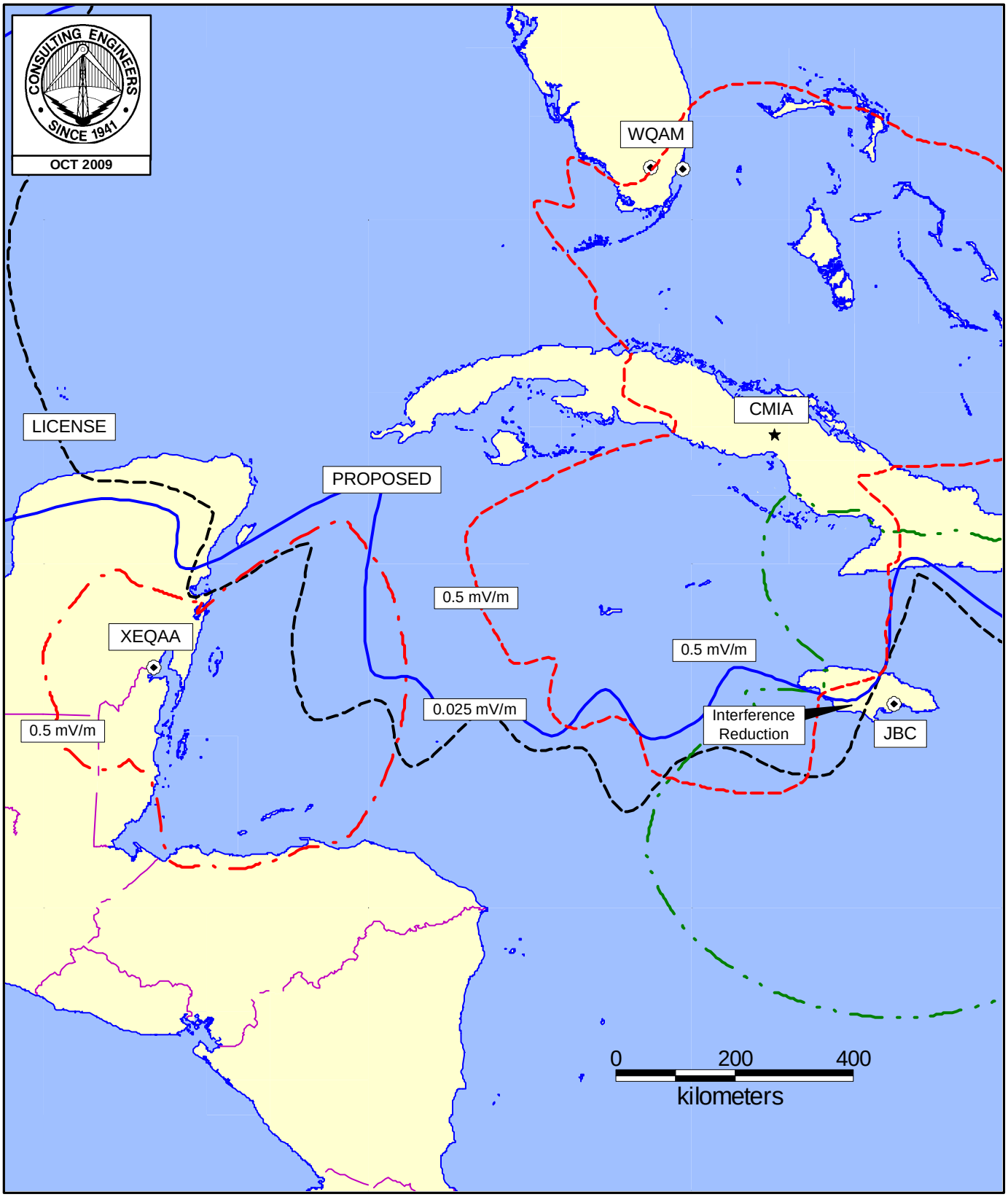

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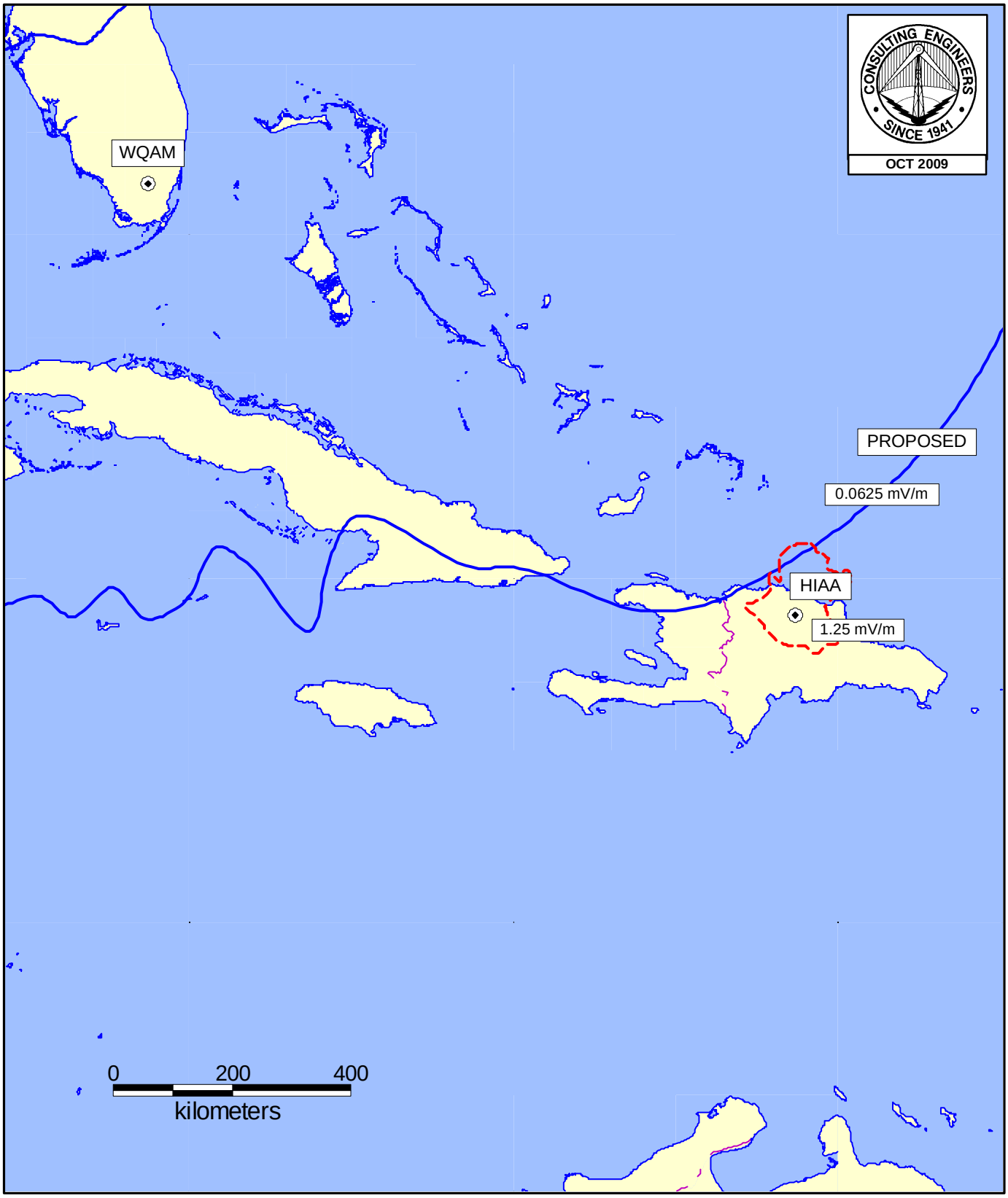

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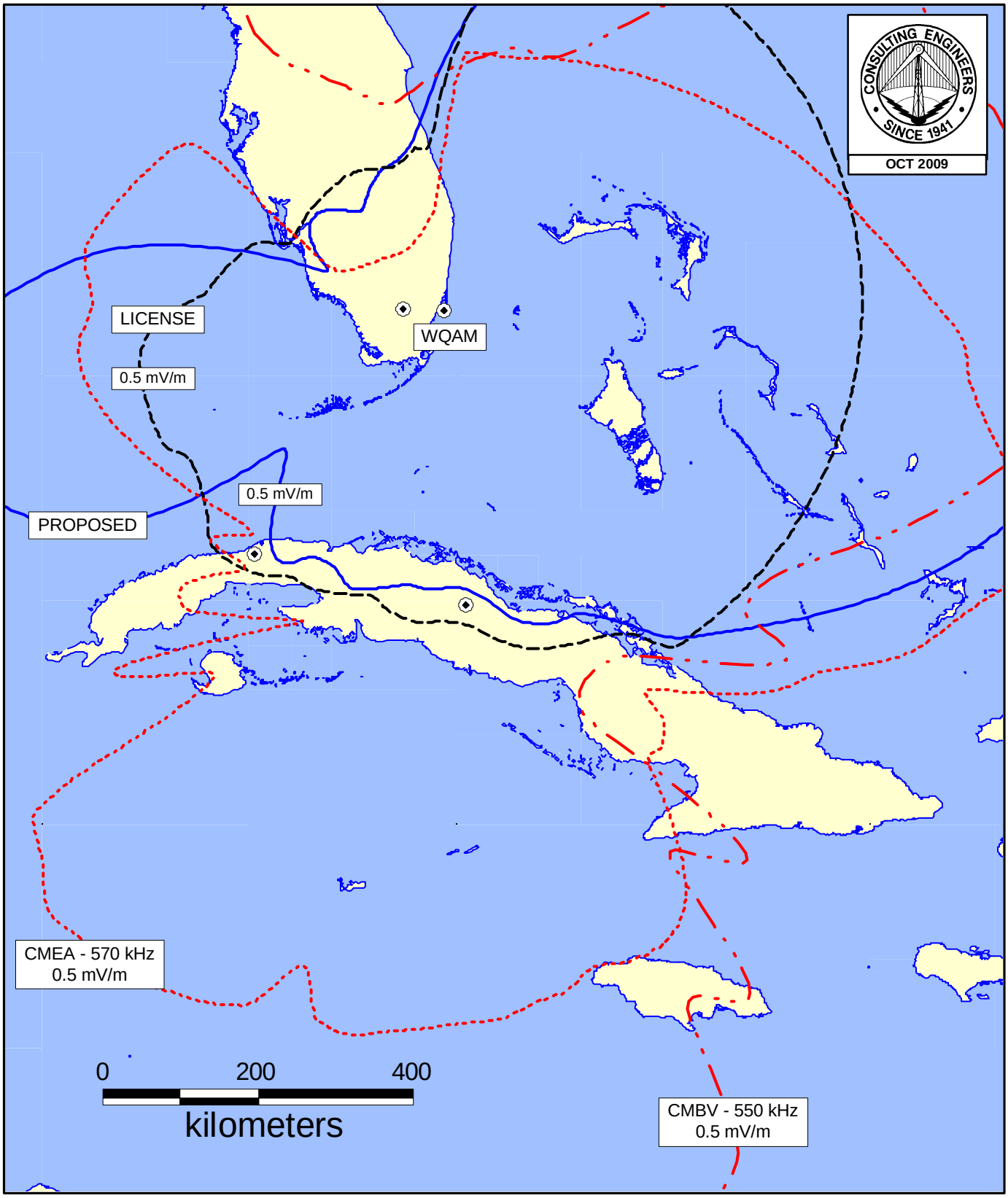

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Tabulation of Data Employed in
Calculation of Groundwave Contours

Reference Station: WQAM, 560 kHz
Location: 25-45-25 N, 080-38-13 W

550 kHz Station

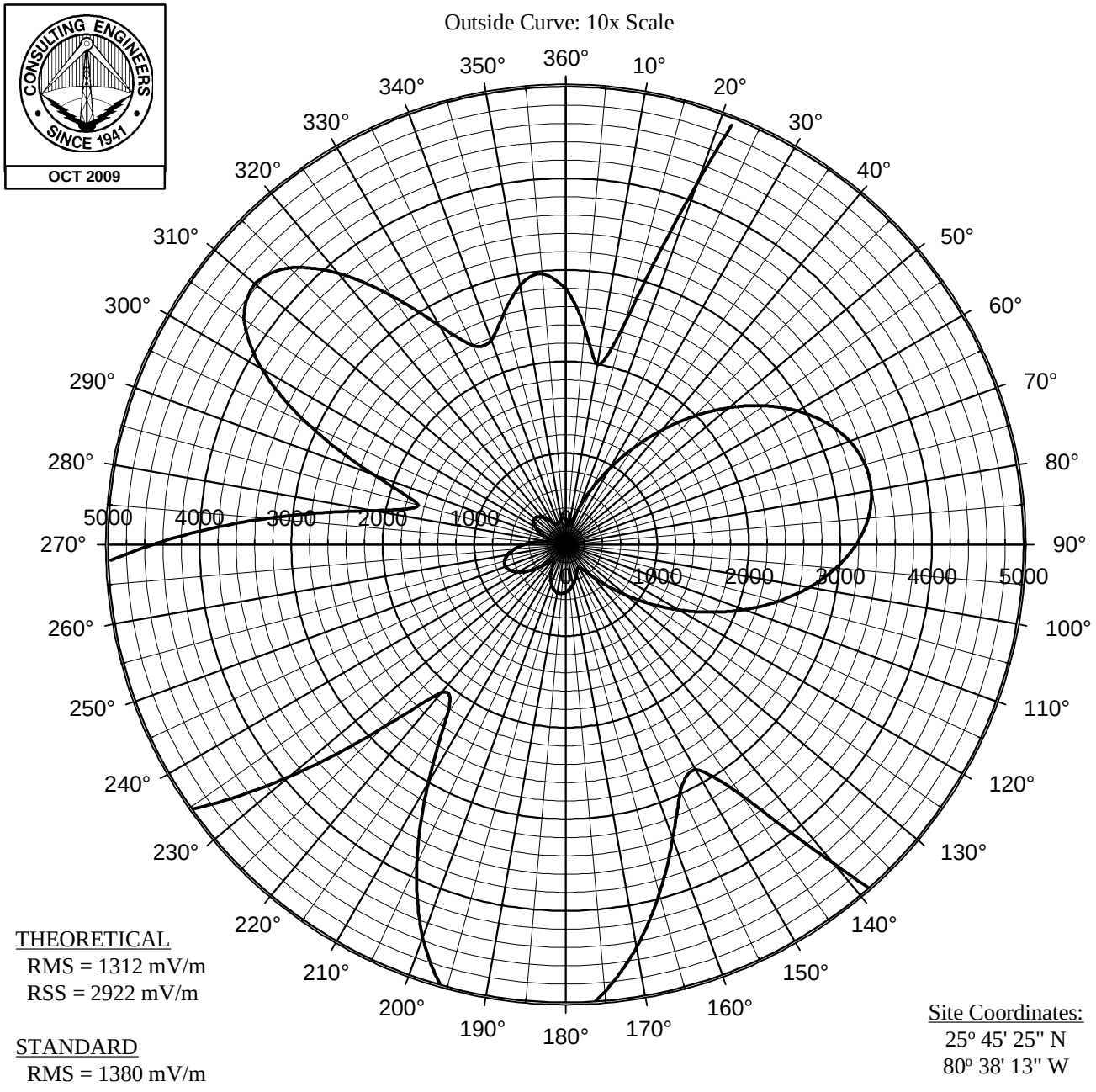
354.0 km 220.0 mi	CMBV		23-01-00 N Azi: 210.6	082-26-00 W 500.0 kW ND1 - 329.3 mV/m@1km Class: A Sched: U File #:
			Location: WAJAY, , CU	

560 kHz Stations

471.5 km 293.0 mi	CMIA		21-53-00 N Azi: 155.9	078-43-00 W 10.0 kW ND1 - 310.5 mV/m@1km Class: B Sched: U File #:
			Location: CIEGO DE AVI, , CU	
918.7 km 570.9 mi	WVOC	L	34-02-00 N Azi: 356.8	081-08-32 W 5.0 kW DAN - 305.8 mV/m@1km Class: B Sched: U File #: BL11447
			Location: COLUMBIA, SC, US	
945.6 km 587.6 mi	JBC		17-58-00 N Azi: 156.5	076-53-00 W 5.0 kW ND1 - 300.4 mV/m@1km Class: B Sched: U File #:
			Location: NAGGO HEAD, , JM	
1127.0 km 700.3 mi	XEQAA		18-29-39 N Azi: 223.1	088-17-56 W 2.5 kW ND1 - 278.0 mV/m@1km Class: B Sched: U File #:
			Location: CHETUMAL, QR, MX	
1237.5 km 768.9 mi	HIAA		19-29-00 N Azi: 126.0	070-40-00 W 0.5 kW ND1 - 300.4 mV/m@1km Class: C Sched: U File #:
			Location: SANTIAGO 5, , DR	
1245.3 km 773.8 mi	WGAI	L	36-20-16 N Azi: 20.8	076-14-49 W 1.0 kW DA2 - 297.4 mV/m@1km Class: B Sched: U File #: BL20040831ACS
			Location: ELIZABETH CITY, NC, US	

570 kHz Stations

330.5 km 205.4 mi	WTBN	L	28-12-40 N Azi: 324.9	082-31-46 W 5.0 kW DA2 - 656.4 mV/m@1km Class: B Sched: U File #: BL19860801AD
			Location: PINELLAS PARK, FL, US	
374.2 km 232.5 mi	CMEA		22-27-00 N Azi: 168.3	079-53-00 W 30.0 kW ND1 - 311.6 mV/m@1km Class: A Sched: U File #:
				Location: SANTA CLARA, , CU



DIRECTIONAL ANTENNA PATTERN

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Height (deg.)	Top-Loading (deg.)
1	0.552	+0.4	132.3	145.0	51.3	7.1
2	0.408	+168.2	0.0	0.0	51.3	7.1
3	1.000	0.0	70.9	46.0	51.3	7.1
4	0.601	-148.5	140.0	114.9	51.3	7.1
5	0.621	-147.7	141.8	46.0	51.3	7.1

PROPOSED NIGHTTIME HORIZONTAL PLANE STANDARD RADIATION PATTERN

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NIGHTTIME RADIATION PATTERN
(Radiation Values at One Kilometer)

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Height (deg.)	Top-Loading (deg.)
1	0.552	+0.4	132.3	145.0	51.3	7.1
2	0.408	+168.2	0.0	0.0	51.3	7.1
3	1.000	0.0	70.9	46.0	51.3	7.1
4	0.601	-148.5	140.0	114.9	51.3	7.1
5	0.621	-147.7	141.8	46.0	51.3	7.1

Input Power (kW)	Loop Loss (ohms)	Theo. RMS (mV/m)	Theo. RSS (mV/m)	Q Factor (mV/m)	Standard RMS (mV/m)
25.0	1.0	1312	2922	73.0	1380

Standard Radiation Pattern
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees 0 (mV/m)	5 (mV/m)	10 (mV/m)	15 (mV/m)	20 (mV/m)	25 (mV/m)	30 (mV/m)
0	280	262	212	136	75	139	255
5	237	220	172	107	97	188	306
10	199	188	162	152	197	288	396
15	251	251	259	289	347	429	521
20	419	425	445	482	536	604	676
25	662	668	687	719	761	810	859
30	954	958	971	991	1016	1042	1062
35	1280	1282	1285	1290	1293	1291	1280
40	1627	1625	1618	1604	1583	1551	1506
45	1980	1974	1955	1922	1874	1811	1731
50	2324	2313	2282	2229	2155	2061	1946
55	2642	2627	2584	2512	2413	2289	2142
60	2920	2901	2847	2758	2637	2486	2309
65	3143	3121	3058	2955	2815	2642	2441
70	3300	3276	3206	3092	2938	2749	2530
75	3383	3358	3284	3164	3001	2802	2573
80	3389	3363	3288	3165	3000	2798	2566
85	3316	3291	3218	3098	2936	2738	2512
90	3171	3147	3078	2965	2812	2625	2411
95	2961	2940	2877	2774	2636	2466	2270
100	2699	2681	2626	2537	2416	2267	2095
105	2400	2384	2339	2265	2165	2040	1894
110	2078	2066	2031	1973	1894	1795	1678
115	1749	1741	1716	1674	1616	1542	1454
120	1429	1424	1408	1381	1343	1294	1233
125	1130	1127	1119	1106	1085	1058	1022
130	861	861	860	857	852	843	828
135	633	635	638	644	650	655	657
140	453	456	463	474	487	502	515
145	333	336	343	355	371	388	407
150	284	285	290	297	308	322	337
155	297	296	296	296	297	300	306
160	341	340	335	329	320	312	305
165	395	392	384	372	357	340	322
170	446	443	432	416	395	370	343
175	490	486	473	453	426	396	363

Standard Radiation Pattern
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees						
	35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)	65 (mV/m)
0	372	474	551	596	606	579	519
5	422	521	594	635	638	605	538
10	501	590	654	684	677	634	559
15	609	682	729	743	723	668	582
20	743	793	818	813	774	704	606
25	898	921	920	891	831	743	631
30	1071	1063	1032	975	891	783	656
35	1256	1213	1149	1062	953	824	681
40	1445	1367	1268	1150	1014	864	704
45	1633	1518	1384	1235	1073	902	726
50	1812	1660	1493	1314	1127	935	746
55	1974	1789	1591	1384	1173	964	762
60	2111	1897	1672	1441	1211	987	774
65	2218	1980	1733	1484	1238	1002	781
70	2290	2034	1772	1509	1253	1009	783
75	2322	2057	1785	1516	1255	1008	780
80	2313	2046	1774	1504	1243	998	772
85	2264	2003	1736	1473	1218	978	758
90	2176	1928	1675	1423	1180	951	739
95	2054	1826	1592	1358	1131	915	715
100	1904	1701	1490	1279	1072	873	687
105	1732	1557	1375	1189	1004	825	655
110	1546	1401	1249	1091	931	773	621
115	1353	1240	1117	988	854	719	584
120	1161	1078	985	884	776	663	547
125	976	921	857	782	698	607	509
130	806	775	735	685	624	552	472
135	654	643	624	594	553	500	436
140	525	530	526	513	489	452	402
145	424	437	445	443	432	408	370
150	353	368	380	385	382	368	341
155	314	323	333	340	341	334	315
160	301	300	302	306	308	305	292
165	306	293	286	283	283	280	271
170	318	295	278	268	263	260	254
175	331	300	275	258	248	243	238

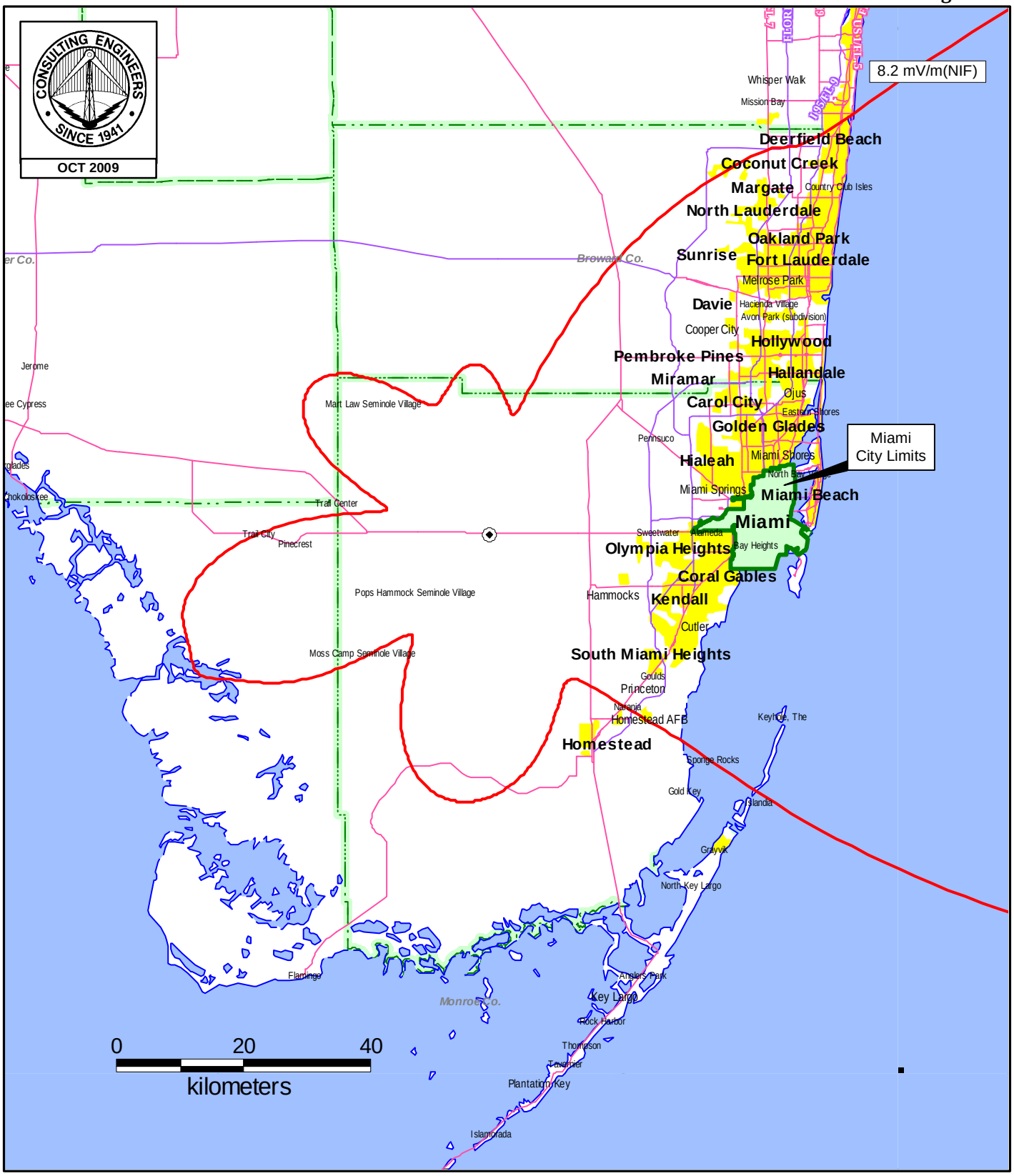
Standard Radiation Pattern
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees 0 (mV/m)	5 (mV/m)	10 (mV/m)	15 (mV/m)	20 (mV/m)	25 (mV/m)	30 (mV/m)
180	522	517	502	479	448	414	377
185	538	533	516	490	457	420	380
190	534	528	511	484	451	413	374
195	507	501	485	459	427	392	355
200	457	451	437	414	387	357	326
205	384	380	369	353	333	311	289
210	299	297	291	283	273	262	250
215	224	224	225	225	226	224	219
220	211	212	214	217	218	216	210
225	283	282	279	273	262	247	227
230	394	391	379	361	335	302	263
235	507	501	482	452	410	360	303
240	603	594	569	528	474	409	336
245	670	659	629	581	516	440	355
250	701	689	656	602	531	447	354
255	692	680	645	589	515	427	332
260	644	632	597	542	469	383	289
265	561	550	517	464	396	315	228
270	451	441	411	364	303	232	158
275	326	318	293	255	205	150	102
280	213	207	190	165	137	118	120
285	167	165	162	159	163	175	195
290	223	224	228	235	246	261	279
295	310	311	315	322	332	343	356
300	383	384	388	394	401	410	418
305	429	430	434	440	447	455	462
310	443	445	450	458	467	477	486
315	427	430	437	448	462	477	491
320	387	390	400	415	435	457	479
325	331	335	347	366	391	421	453
330	276	279	289	308	337	374	416
335	240	240	243	255	281	322	374
340	237	232	221	215	229	270	330
345	261	251	224	193	185	220	289
350	287	273	234	182	147	176	257
355	297	281	234	166	110	143	242

Standard Radiation Pattern
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees 35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)	65 (mV/m)
180	339	304	273	250	236	229	225
185	341	303	269	243	225	217	214
190	334	296	262	234	215	207	204
195	319	283	251	224	205	197	195
200	295	265	236	211	194	187	187
205	266	242	218	196	182	178	180
210	235	217	198	180	169	168	174
215	210	195	178	163	156	160	169
220	197	180	161	147	144	152	165
225	202	174	147	131	131	145	162
230	220	176	138	117	120	140	161
235	242	182	130	103	111	138	162
240	260	185	122	90.8	106	138	165
245	267	182	110	79.3	104	143	171
250	259	168	93.1	71.5	109	151	179
255	235	143	71.6	73.1	122	164	189
260	194	107	55.0	89.1	141	180	201
265	142	69.7	66.1	118	167	200	216
270	89.9	65.7	106	157	197	224	232
275	85.0	114	159	200	232	249	250
280	144	180	217	247	268	275	269
285	222	250	275	294	304	302	287
290	299	317	332	340	339	329	306
295	368	377	383	382	373	354	325
300	425	428	427	419	403	378	343
305	466	467	462	451	430	400	360
310	492	494	489	476	453	420	376
315	502	508	506	495	472	438	391
320	498	511	515	508	488	454	405
325	482	505	517	517	501	468	418
330	457	491	515	522	511	481	431
335	427	475	509	526	521	494	444
340	396	458	504	530	532	507	457
345	370	444	503	537	544	521	471
350	352	440	508	549	560	537	485
355	351	448	523	568	580	556	501

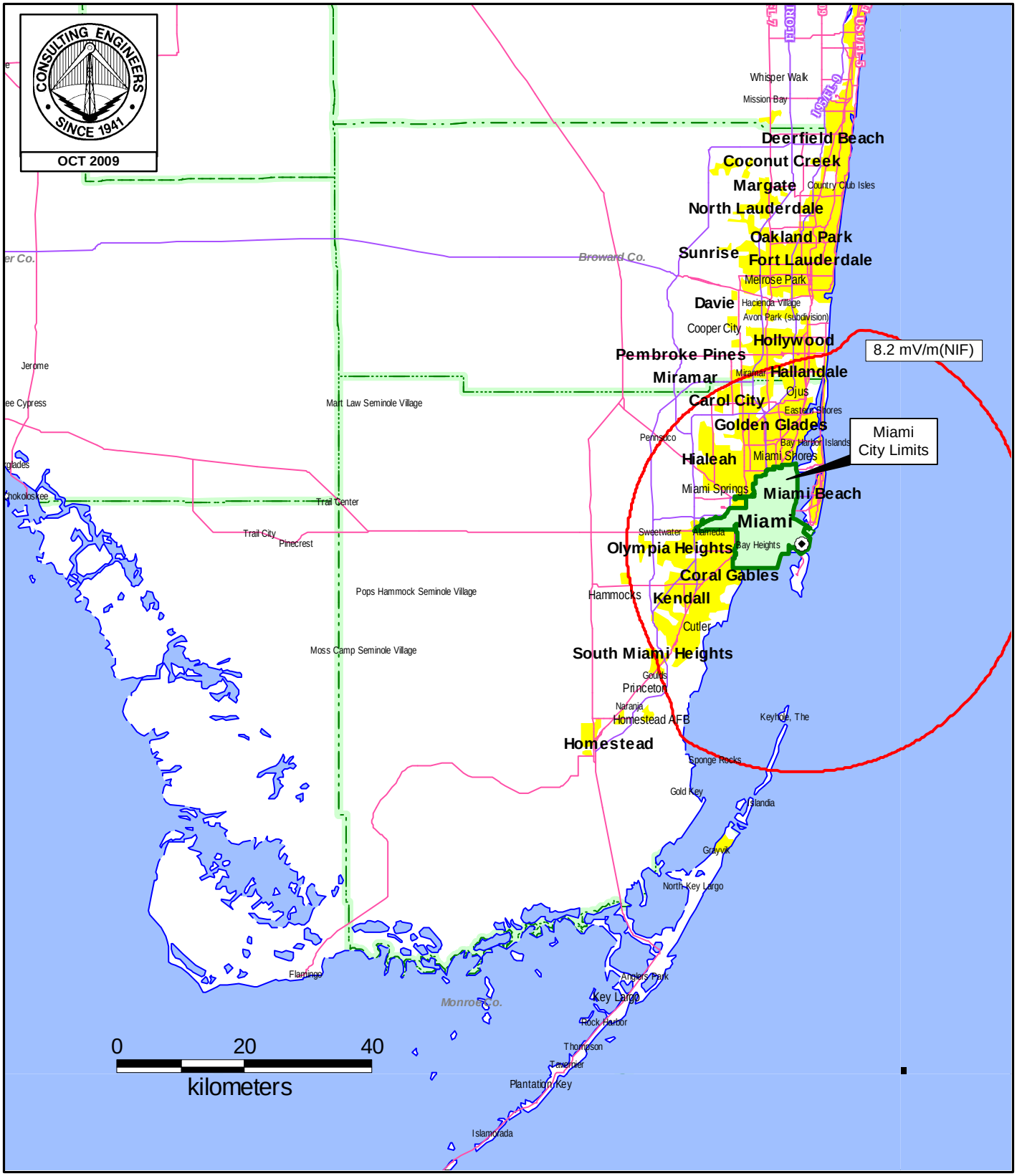
Figure 12



PROPOSED NIGHTTIME FIELD STRENGTH CONTOUR

RADIO STATION WQAM
MIAMI, FLORIDA
560 KHZ 50 KW-D 25 KW-N U DA-2

du Treil, Lundin & Rackley, Inc. Sarasota, Florida



EXISTING NIGHTTIME FIELD STRENGTH CONTOUR

RADIO STATION WQAM
MIAMI, FLORIDA
560 KHZ 50 KW-D 25 KW-N U DA-2

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
RADIO STATION WQAM
MIAMI, FLORIDA

560 KHZ 50 KW-D 25 KW-N U DA-2

Nighttime Allocation Study

RSS Limit Calculation To WQAM

Call: WQAM
Freq: 560 kHz
MIAMI, FL, US
Hours: N
Lat: 25-45-25 N
Lng: 080-38-13 W
Power: 25.0 kW
Theo RMS: 1311.91 mV/m @ 1km @ 25.0 kW

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Contributors:

Call	Freq (kHz)	City	St	Ct	Limit (mV/m)	(%)	RSS Limit (mV/m)
JBC-A	0560	NAGGO HEAD		JM	8.159	100.0	8.159
HCBN2-A	0560	GUAYAQUIL		EC	3.456	42.4	8.861
HJGS-A	0560	TUNJA 4		CO	3.202	36.1	9.422
XEQAA/A	0560	CHETUMAL	QR	MX	2.565	27.2	9.765

Non-Contributors:

Call	Freq (kHz)	City	St	Ct	Limit (mV/m)
CMIA-D	0560	CIEGO DE AVI		CU	26.332
CMBV-D	0550	WAJAY		CU	23.300
WQAM	0560	MIAMI	FL	US	7.236
CMEA-D	0570	SANTA CLARA		CU	5.660
8RG-B	0560	SPARENDAAM		GY	2.665

Night Allocation Protection Report

Call: WQAM
Freq: 560 kHz
MIAMI, FL, US
Hours: D
Lat: 25-45-25 N
Lng: 080-38-13 W
Power: 25.0 kW
Theo RMS: 1311.91 mV/m @ 1km @ 25.0 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.552	0.4	132.3	145.0	-999.0	0	1	51.3	7.1	0.0	0.0
2	0.408	168.2	0.0	0.0	-999.0	0	1	51.3	7.1	0.0	0.0
3	1.000	0.0	70.9	46.0	-999.0	0	1	51.3	7.1	0.0	0.0
4	0.601	-148.5	140.0	114.9	-999.0	0	1	51.3	7.1	0.0	0.0
5	0.621	-147.7	141.8	46.0	-999.0	0	1	51.3	7.1	0.0	0.0

Call Letters	Ct	St	City	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
WVOC	US	SC	COLUMBIA	52.91	2.779	262.60	262.14	0.45
50% = 6.043, 25% = 7.394; WWNC=5.19 WQAM=3.09 JBC-A=2.67 HCBN2-A=1.99 KLVI=1.96 WHBQ=1.80								
KLVI	US	TX	BEAUMONT	29.33	1.651	281.38	280.60	0.79
50% = 4.532, 25% = 6.304; KLIF=2.39 KWTO=2.29 HCBN2-A=2.25 JBC-A=2.13 KTSA=1.98 WVOC=1.89 XEOC/ =1.80 XEQAA/A=1.78 WQAM=1.65 KLZ=1.60								
WGAN	US	ME	PORTLAND	10.59	1.131	534.17	532.97	1.20
50% = 3.141, 25% = 4.525; WSYR=2.23 WMCA=2.21 WHYN=1.55 WDEV=1.49 CJKL/A=1.44 WFIL=1.40 CFNB/A=1.39								
WGAN	US	ME	PORTLAND	10.59	1.131	534.12	532.81	1.31
50% = 3.142, 25% = 4.524; WSYR=2.23 WMCA=2.21 WHYN=1.55 WDEV=1.50 CJKL/A=1.44 WFIL=1.40 CFNB/A=1.39								
XEQAA/A	MX	QR	CHETUMAL	51.80	3.100	299.22	297.76	1.46
50% = 6.2, 25% = 7.575; JBC-A=6.20 WQAM=2.87 XEOC/ =2.46 XEOC/A=2.16								
JBC-A	JM		NAGGO HEAD	27.69	1.666	300.89	297.20	3.69
50% = 2.878, 25% = 3.397; HJGS-A=2.35 WQAM=1.67 HIAA-C=1.20 XEQAA/A=1.00 HCBN2-A=0.90								
CMIA-D	CU		CIEGO DE AVI	51.37	3.193	310.85	298.19	12.66
50% = 6.387, 25% = 6.984; JBC-A=6.39 WQAM=2.83								
WFIL	US	PA	PHILADELPHIA	19.03	1.159	304.54	278.37	26.17
50% = 2.938, 25% = 4.635; WVOC=1.76 CJKL/A=1.71 WGAI=1.61 JBC-A=1.41 CFOS/A=1.41 WGR=1.41 WHYN=1.39 HCBN2-A=1.33 WHBQ=1.26 WGAN=1.25								
WTBN	US	FL	PINELLAS PARK	198.16	2.199	554.86	478.24	76.62
50% = 7.543, 25% = 8.796; WWNC=5.17 KLIF=3.92 TISBJ-A=3.84 WDBO=3.70 XEME/A=2.60								

Call Letters	Ct	St	City	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
WIND	US	IL	CHICAGO	15.34	1.008	328.46	245.66	82.80
50% = 2.656, 25% = 4.145; KLVI=1.66 WVOC=1.63 KTRS=1.28 CFOS/A=1.21 HCBN2-A=1.20 WJLS=1.20 KLZ=1.15 WGAI=1.11 JBC-A=1.08 WEBC=1.02 WHBQ=1.01								
KLZ	US	CO	DENVER	7.48	0.811	542.54	442.38	100.16
50% = 2.313, 25% = 3.293; KSFO=1.59 KLVI=1.26 KRAI=1.11 HCBN2-A=1.06 WVOC=1.05 WIND=0.98 XEYO/A=0.95 WNAX=0.87 CJKL/A=0.81								
KWTO	US	MO	SPRINGFIELD	18.84	1.928	511.67	395.80	115.87
50% = 6.458, 25% = 7.711; WVOC=3.79 KLVI=3.71 WHBQ=3.68 WIND=2.65 KLZ=2.56 WJLS=2.05								
WHBQ	US	TN	MEMPHIS	27.66	2.795	505.19	373.98	131.21
50% = 8.68, 25% = 11.181; WVOC=6.30 KLVI=5.97 KWTO=4.17 WJLS=3.37 WIND=3.35 KTRS=3.12								
WHYN	US	MA	SPRINGFIELD	13.59	1.723	633.53	408.81	224.71
50% = 6.234, 25% = 6.89; WGAN=4.92 WMCA=3.83 WSYR=2.30 WFIL=1.83								
WJLS	US	WV	BECKLEY	28.82	3.584	621.92	283.87	338.05
50% = 12.978, 25% = 14.337; WVOC=12.98 WFIL=4.78 WGAI=3.77								
WGAI	US	NC	ELIZABETH CITY	32.52	4.886	751.22	371.98	379.24
50% = 19.25, 25% = 19.86; WFIL=13.79 WVOC=13.43 WJLS=4.89								
HRPX-B	HO		S PEDRO SULA	13.33	1.935	726.12	220.25	505.87
50% = 3.871, 25% = 4.006; XEQAA/A=3.01 JBC-A=2.43 HCBN2-A=1.03								
XE/A	MX	CS	TAPACHULA	17.10	3.501	1023.73	333.62	690.11
50% = 7.001, 25% = 8.381; XEQAA/A=5.93 XEOC/ =3.72 XEOC/A=3.24 JBC-A=2.52 HCBN2-A=2.08								
KSFO	US	CA	SAN FRANCISCO	3.24	0.794	1224.66	373.55	851.11
50% = 2.553, 25% = 3.255; KLVI=1.61 KUZZ=1.55 KLZ=1.23 KLAC=1.10 KOAC=0.96 KWTO=0.83 XEYO/A=0.80 HCBN2-A=0.79								
XEOC/A	MX	DF	IZTAPALAPA	10.12	3.260	1610.17	699.49	910.69
50% = 6.875, 25% = 8.082; XEMZA/A=6.05 XEXZ/A=3.26 XEQAA/A=2.82 KLVI=2.26 XESRD/A=2.23								
XEOC/	MX	DF	MEXICO	9.98	3.300	1652.79	698.62	954.17
50% = 6.956, 25% = 8.17; XEMZA/A=6.12 XEXZ/A=3.30 XEQAA/A=2.75 KLVI=2.37 XESRD/A=2.27								
XEOC/O	MX	DF	MEXICO	9.98	3.300	1652.79	698.62	954.17
50% = 6.956, 25% = 8.17; XEMZA/A=6.12 XEXZ/A=3.30 XEQAA/A=2.75 KLVI=2.37 XESRD/A=2.27								
XEOC/O	MX	DF	MEXICO	9.98	3.300	1652.79	698.62	954.17
50% = 6.956, 25% = 8.17; XEMZA/A=6.12 XEXZ/A=3.30 XEQAA/A=2.75 KLVI=2.37 XESRD/A=2.27								
WWNC	US	NC	ASHEVILLE	39.51	1.148	1452.44	276.06	1176.38
50% = 3.348, 25% = 4.59; KLIF=2.08 TISBJ-A=1.94 WKBN=1.77 WAAX=1.54 WCHS=1.43 WTNT=1.41 WNAX=1.39 WKYX=1.22								

Call Letters	Ct	St	City	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
WWNC	US	NC	ASHEVILLE	39.50	1.148	1452.92	276.04	1176.88
50% = 3.349, 25% = 4.592; KLIF=2.08 TISBJ-A=1.94 WKBN=1.77 WAAX=1.54 WCHS=1.43 WTNT=1.41 WNAX=1.39 WKYX=1.23								
HIAA-C	DR		SANTIAGO 5	17.15	8.439	2460.97	1283.78	1177.20
50% = 5.364, 25% = 5.649; JBC-A=5.36 HJGS-A=1.77								
KBLU	US	AZ	YUMA	5.55	1.962	1767.65	245.87	1521.77
50% = 6.527, 25% = 7.849; KLVI=4.54 KLZ=3.60 KWTO=3.00 KSFO=2.81 XEYO/A=2.63 KLAC=2.04								
WDUN	US	GA	GAINESVILLE	46.68	1.666	1784.50	238.87	1545.63
50% = 6.063, 25% = 6.664; KTSA=3.63 RJR-A=3.59 WKRC=3.27 HCGB1-A=2.07 WGR=1.84								
HJGS-A (340)	CO		TUNJA 4	3.25	1.250	1925.66S	340.57	1585.08
CJKL/A	CA	ON	KIRKLAND LAKE	5.80	2.191	1887.30	272.58	1614.72
50% = 4.685, 25% = 5.428; WIND=3.44 WJLS=2.30 WVOC=2.19 WGAN=1.74 WEBC=1.59 KMON=1.40								
KPQ	US	WA	WENATCHEE	2.26	1.147	2541.92	425.01	2116.91
50% = 4.048, 25% = 4.587; KVI=3.00 KOAC=2.72 KSFO=1.73 KLZ=1.29								
CFOS/A	CA	ON	OWEN SOUND	9.21	4.495	2441.19	283.23	2157.96
50% = 9.178, 25% = 10.197; WIND=6.59 WJLS=4.54 WVOC=4.49 WGAN=3.36 WFIL=2.91								
WKRC	US	OH	CINCINNATI	22.98	1.119	2433.79	272.20	2161.59
50% = 3.318, 25% = 4.536; RJR-A=2.13 KTRS=1.87 KTSA=1.73 HCGB1-A=1.51 WDUN=1.28 CP 153-A=1.27 WGR=1.22 KFYR=1.13 WSVA=1.12								
NEW	US	GA	GARDEN CITY	77.47	3.830	2471.83	236.16	2235.67
50% = 14.621, 25% = 15.32; WWNC=14.62 WAAX=4.57								
8RG-B (325)	GY		SPARENDAAM	1.83	1.250	3414.62S	1108.22	2306.40
KMON	US	MT	GREAT FALLS	3.36	1.829	2721.95	387.33	2334.62
50% = 5.481, 25% = 7.417; KLZ=5.48 KPQ=2.56 WEBC=2.43 KWTO=2.27 KBOW=2.00 KSFO=1.83								
NEW	US	GA	GARDEN CITY	76.46	4.077	2666.34	236.31	2430.03
50% = 15.63, 25% = 16.31; WWNC=15.63 WAAX=4.66								
WKBN	US	OH	YOUNGSTOWN	18.40	1.106	3005.89	278.56	2727.33
50% = 3.981, 25% = 4.5; WMCA=2.57 WSYR=2.32 WWNC=1.96 WCHS=1.30 TISBJ-A=1.22 CHYM/A=1.11								
WMCA	US	NY	NEW YORK	16.90	1.073	3175.52	353.72	2821.80
50% = 3.558, 25% = 4.293; WSYR=2.52 WTAG=1.81 WTNT=1.74 WWNC=1.53 WKBN=1.45 TISBJ-A=1.15								
KLIF	US	TX	DALLAS	18.59	1.239	3333.71	390.88	2942.84
50% = 3.556, 25% = 4.958; TISBJ-A=2.02 KWTO=1.74 XEBJB/A=1.72 WIBW=1.61 WWNC=1.61 XETD/A=1.45 XELQ/A=1.44 KJMJ=1.42 KLAC=1.27 XENZ/A=1.25								