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

April 8, 2010

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. 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.

By means of this present amendment, the licensee is responding to FCC letter dated March 23, 2010, File Number: BP-20091023ABJ and proposes to amend the directional antennas for both daytime and nighttime operation. WQAM continues to propose co-location with existing AM station WAXY, operating on 790 kilohertz. This amendment provides a new nighttime directional antenna design to address the foreign allocation issue raised in the deficiency letter. The daytime directional pattern

is being changed to an alternative one that meets the same allocation requirements as the one that was filed in the original application.

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.

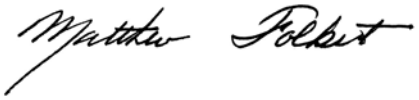
Pattern RMS Considerations

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 276.2 mV/m at 1 kW and the proposed nighttime efficiency is 259.2 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.



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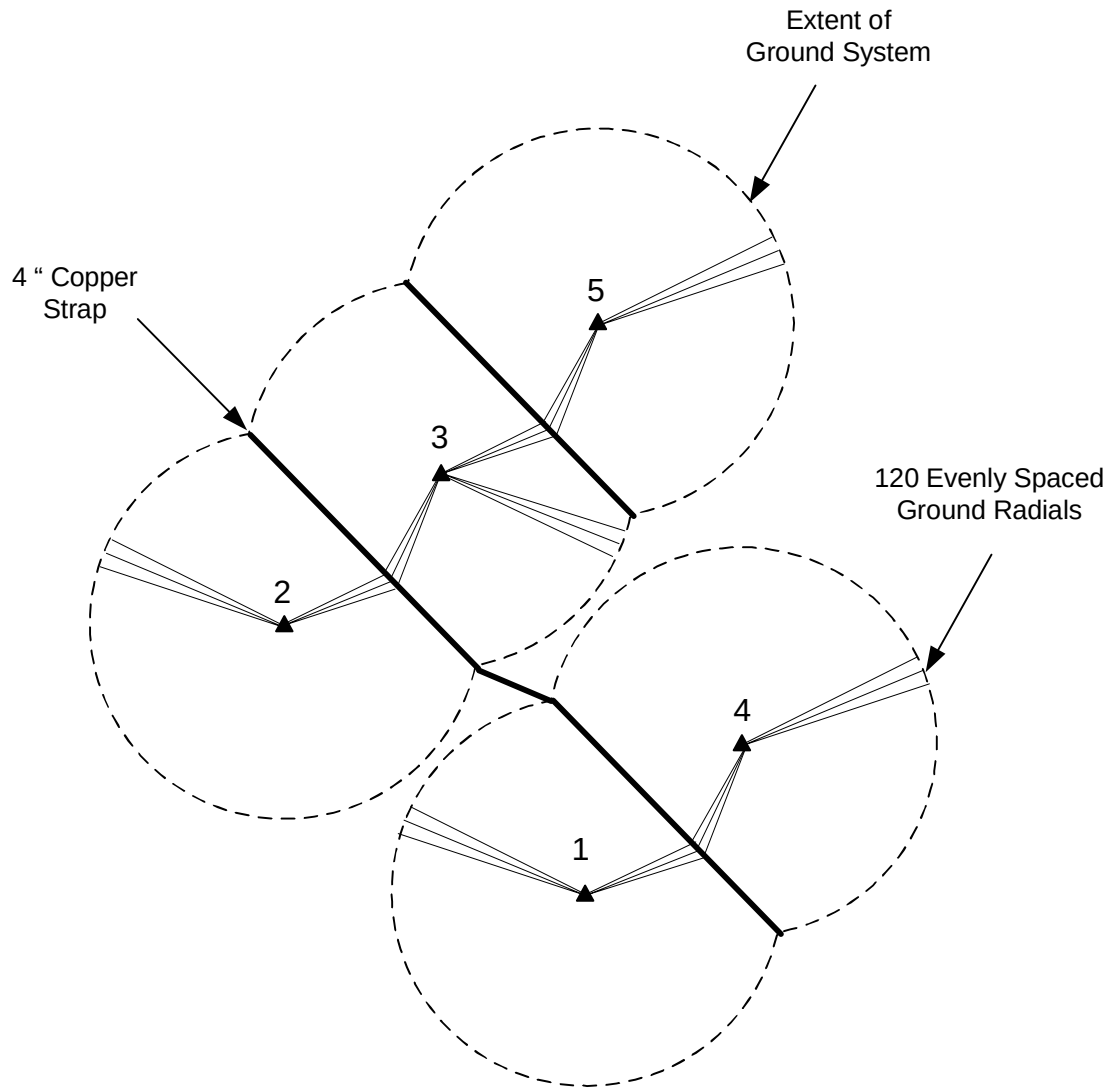
April 8, 2010

APRIL 2010



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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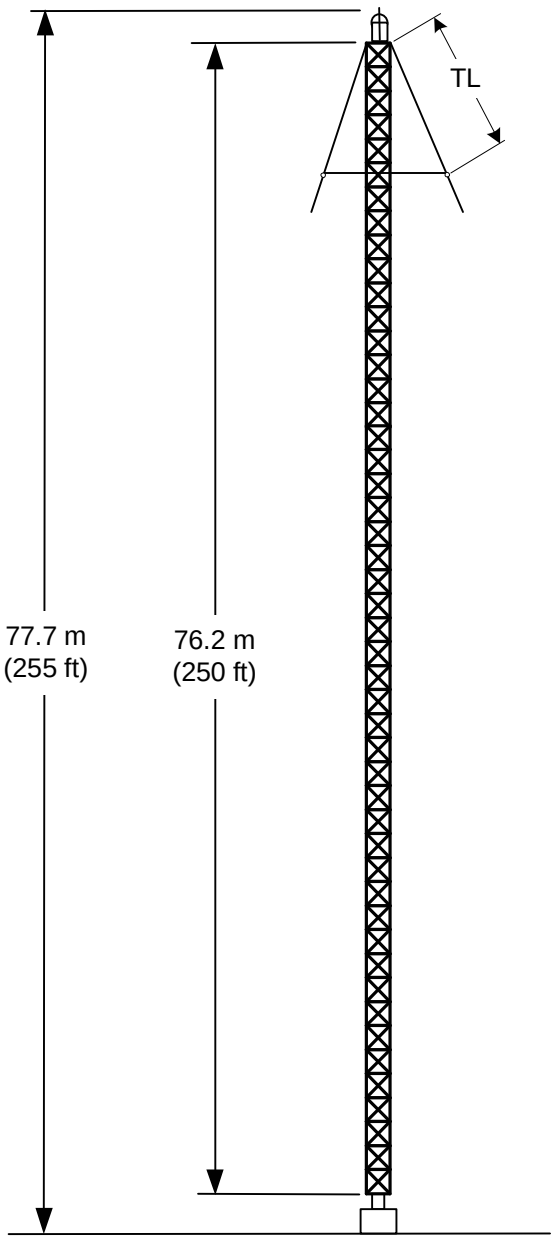

All Towers
(Existing)

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

Not To Scale

SKETCH OF ANTENNA ELEMENTS

RADIO STATION WQAM
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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	70.9/105.4	226.0
2	140.0/208.2	294.9
3	132.2/196.6	325.0
4	0.0	0.0
5	159.6/237.3	351.0

Daytime Element Field Parameters:

Tower No.	Field Ratio	Phase (degrees)
1	0.479	+29.1
2	0.321	+150.9
3	1.000	0.0
4	0.528	-121.7
5	0.611	-156.2

Nighttime Element Field Parameters:

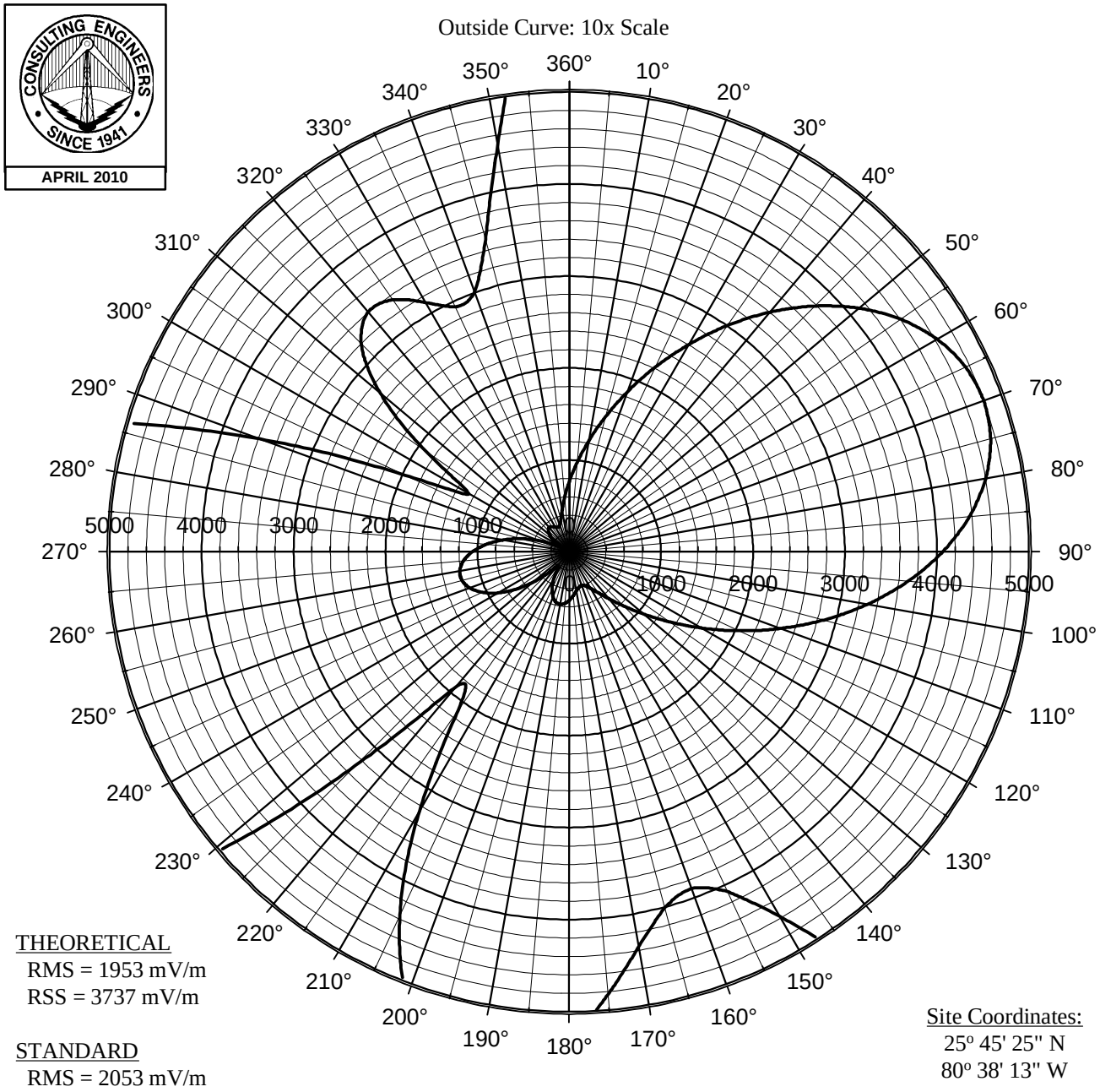
Tower No.	Field Ratio	Phase (degrees)
1	0.528	+3.1
2	0.405	+171.0
3	1.000	0.0
4	0.605	-148.2
5	0.616	-154.4

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



DIRECTIONAL ANTENNA PATTERN

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Height (deg.)	Top-Loading (deg.)
1	0.479	+29.1	70.9	226.0	51.3	7.1
2	0.321	+150.9	140.0	294.9	51.3	7.1
3	1.000	0.0	132.2	325.0	51.3	7.1
4	0.528	-121.7	0.0	0.0	51.3	7.1
5	0.611	-156.2	159.6	351.0	51.3	7.1

PROPOSED DAYTIME HORIZONTAL PLANE STANDARD RADIATION PATTERN

RADIO STATION WQAM
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Figure 5

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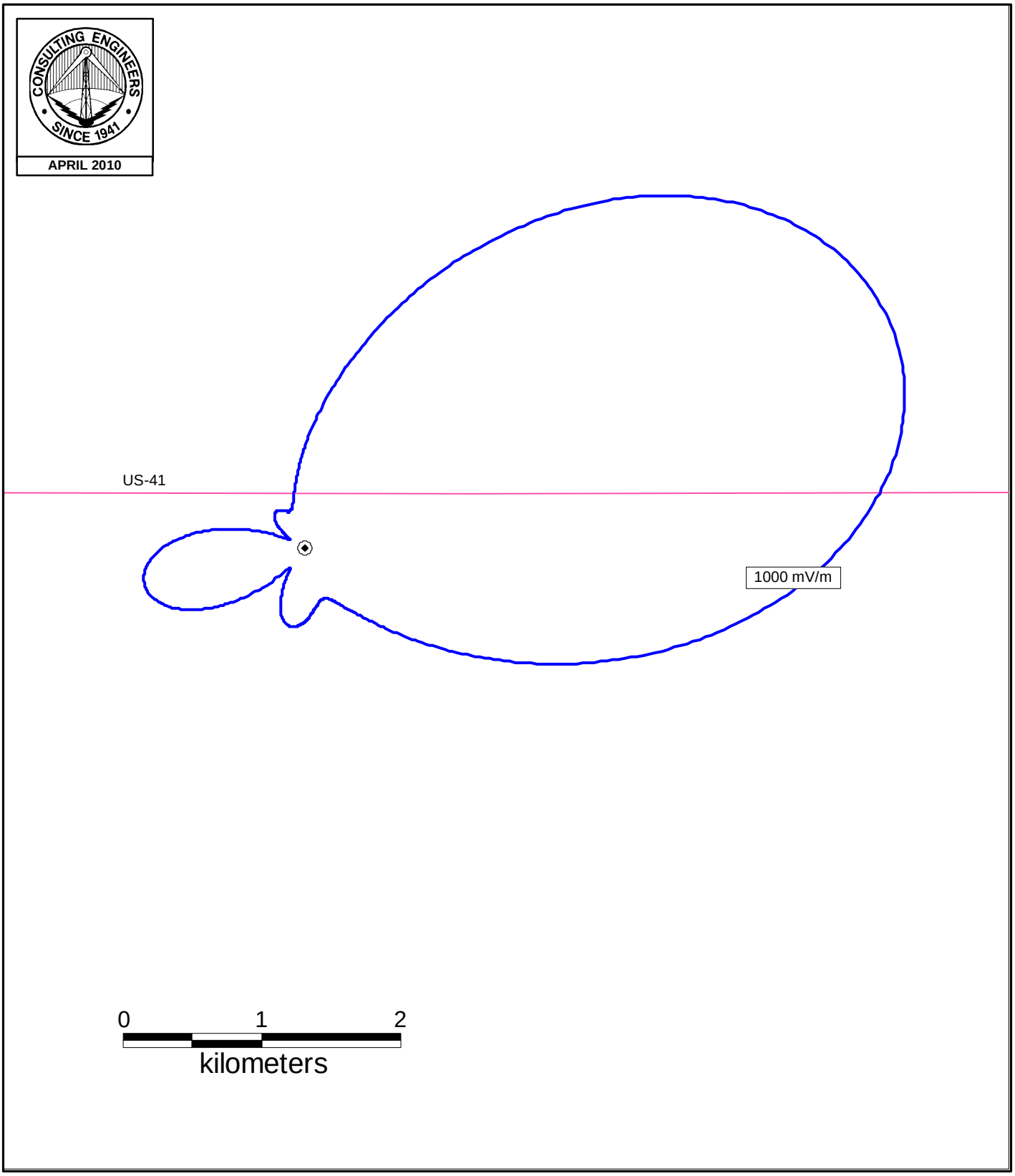
DAYTIME RADIATION PATTERN
(Radiation Values at One Kilometer)

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Height (deg.)	Top-Loading (deg.)
1	0.479	+29.1	70.9	226.0	51.3	7.1
2	0.321	+150.9	140.0	294.9	51.3	7.1
3	1.000	0	132.2	325.0	51.3	7.1
4	0.528	-121.7	0.0	0.0	51.3	7.1
5	0.611	-156.2	159.6	351.0	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	1953	3737	93.4	2053

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	758	90	4062	180	530	270	1053
5	970	95	3697	185	566	275	908
10	1222	100	3292	190	580	280	735
15	1515	105	2866	195	565	285	546
20	1847	110	2439	200	517	290	359
25	2212	115	2031	205	435	295	197
30	2601	120	1656	210	325	300	126
35	3003	125	1326	215	210	305	189
40	3400	130	1049	220	192	310	268
45	3778	135	828	225	329	315	320
50	4119	140	661	230	519	320	340
55	4405	145	540	235	714	325	334
60	4621	150	457	240	894	330	313
65	4754	155	408	245	1043	335	294
70	4797	160	389	250	1150	340	300
75	4745	165	401	255	1207	345	351
80	4600	170	436	260	1208	350	448
85	4369	175	483	265	1156	355	584



PROPOSED DAYTIME FIELD STRENGTH CONTOURS

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

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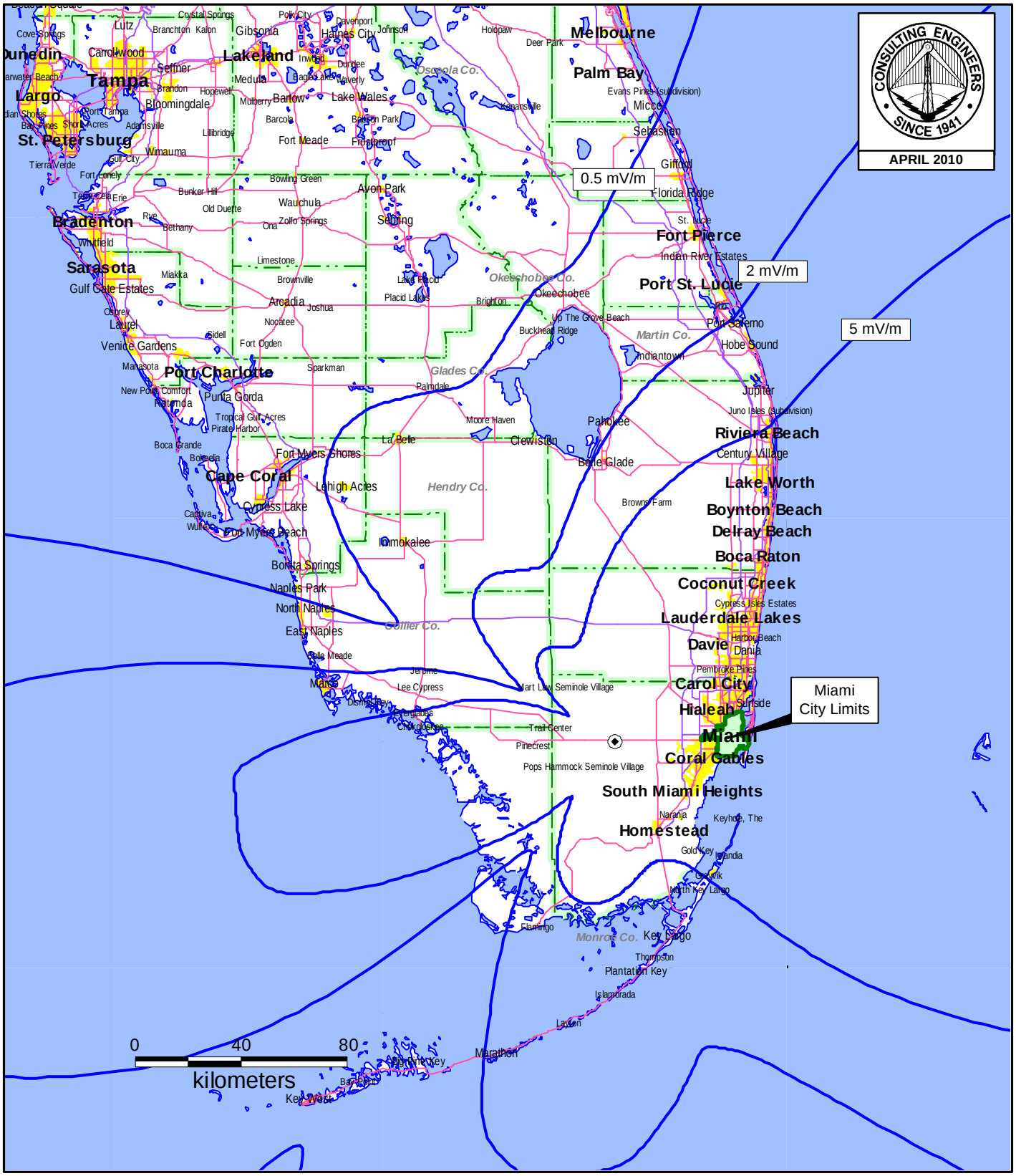

PROPOSED DAYTIME FIELD STRENGTH CONTOURS

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

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EXISTING DAYTIME FIELD STRENGTH CONTOURS

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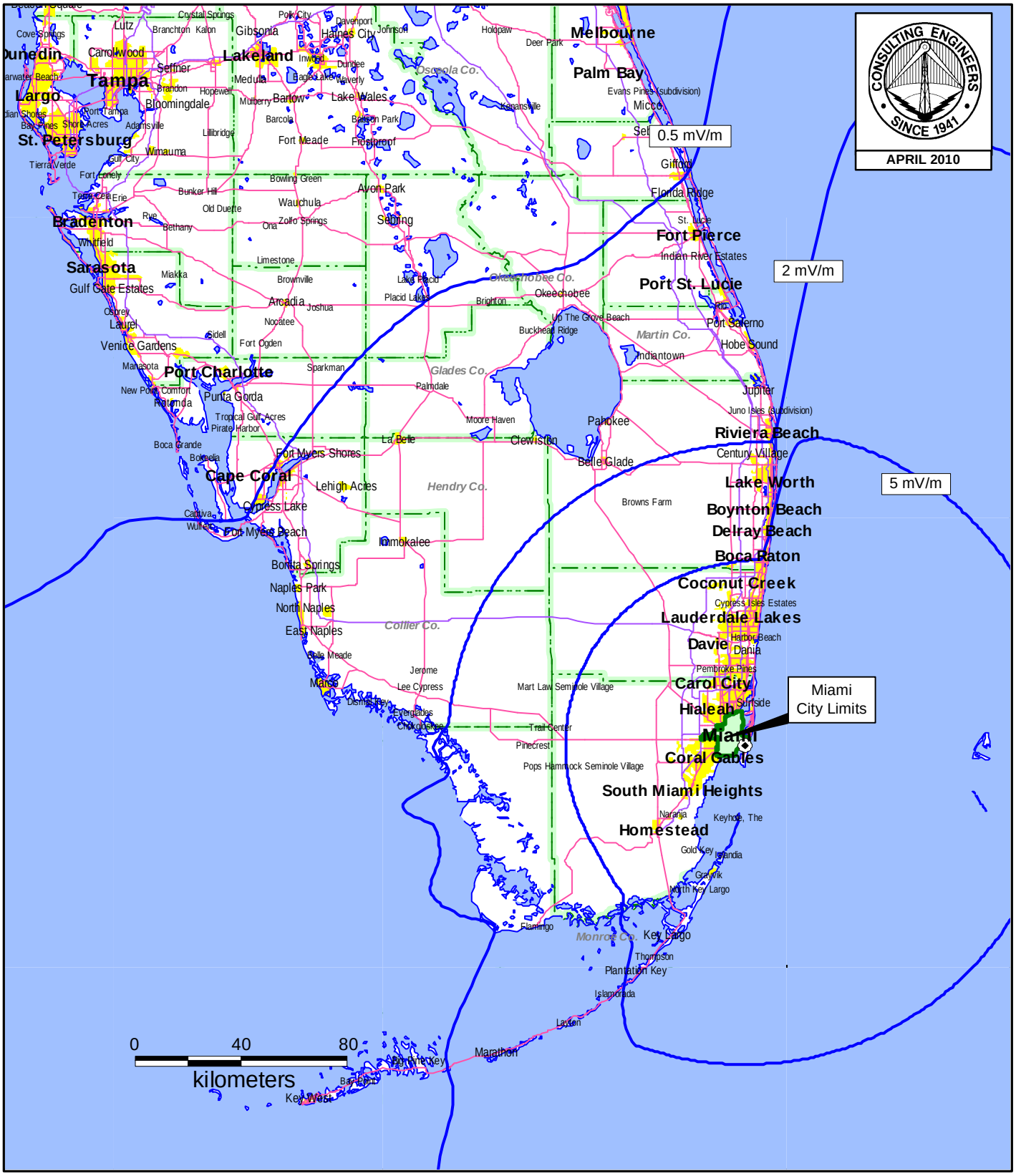

EXISTING DAYTIME FIELD STRENGTH CONTOURS

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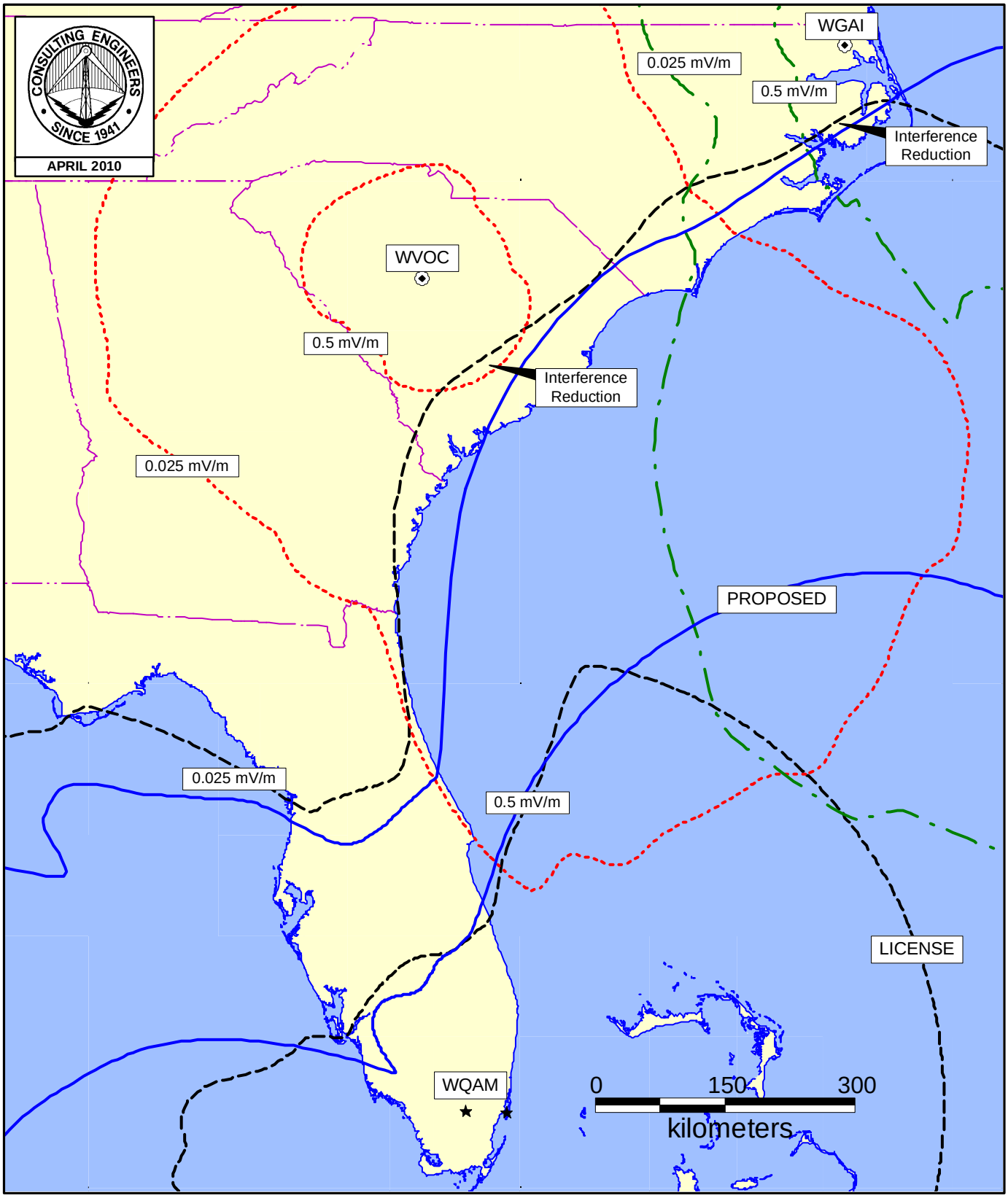

DAYTIME ALLOCATION STUDY

RADIO STATION WQAM
MIAMI, FLORIDA
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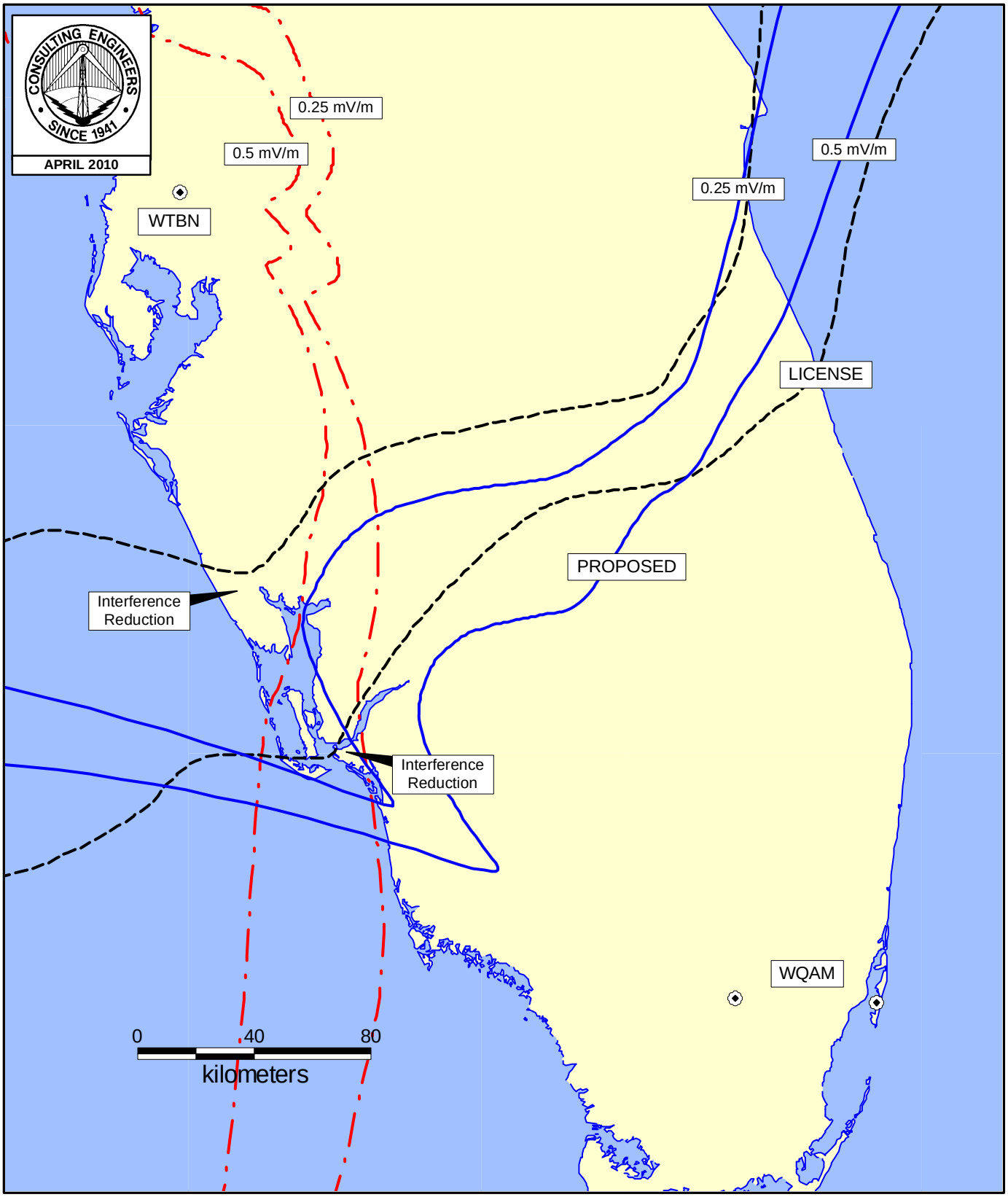

DAYTIME ALLOCATION STUDY

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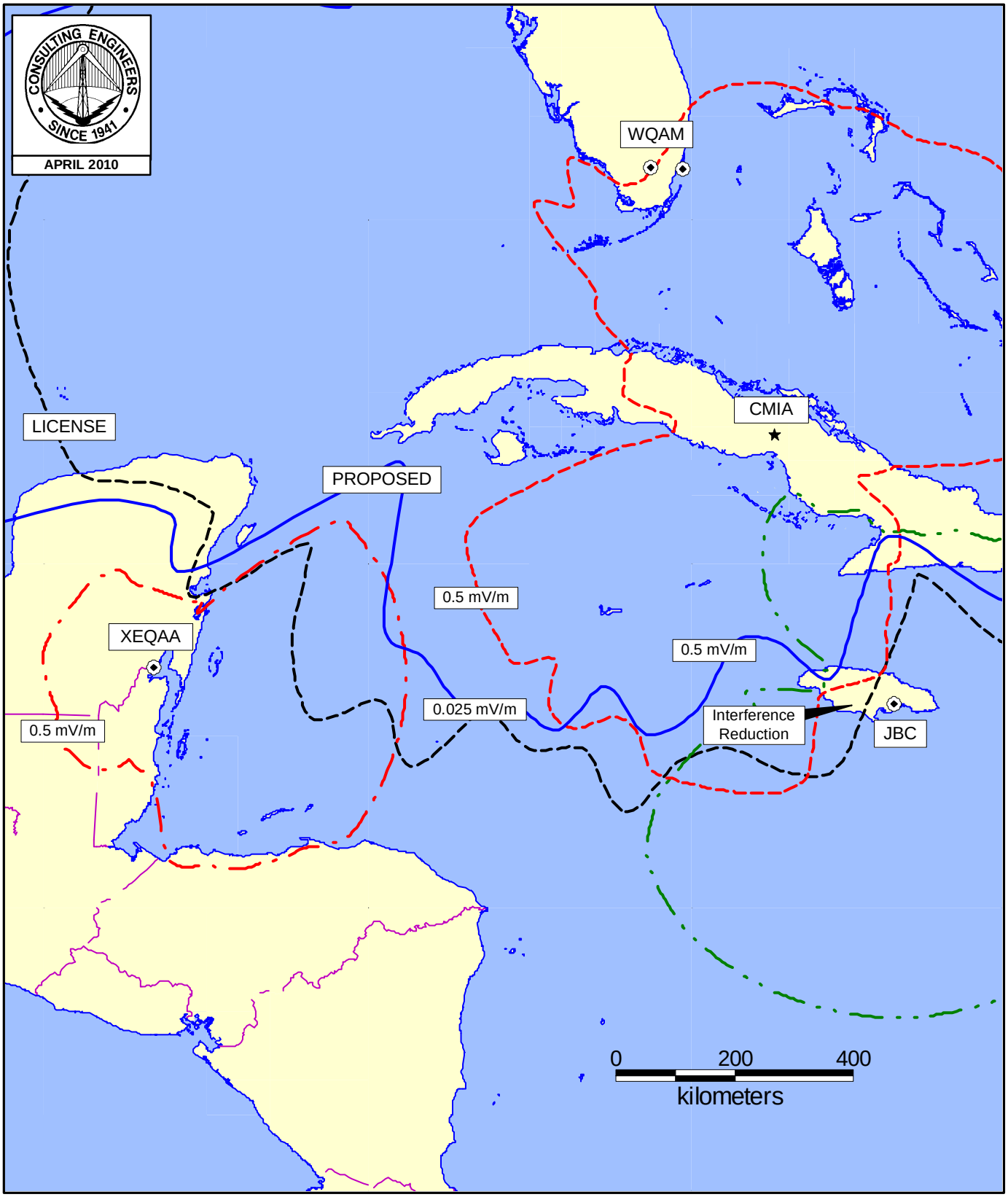

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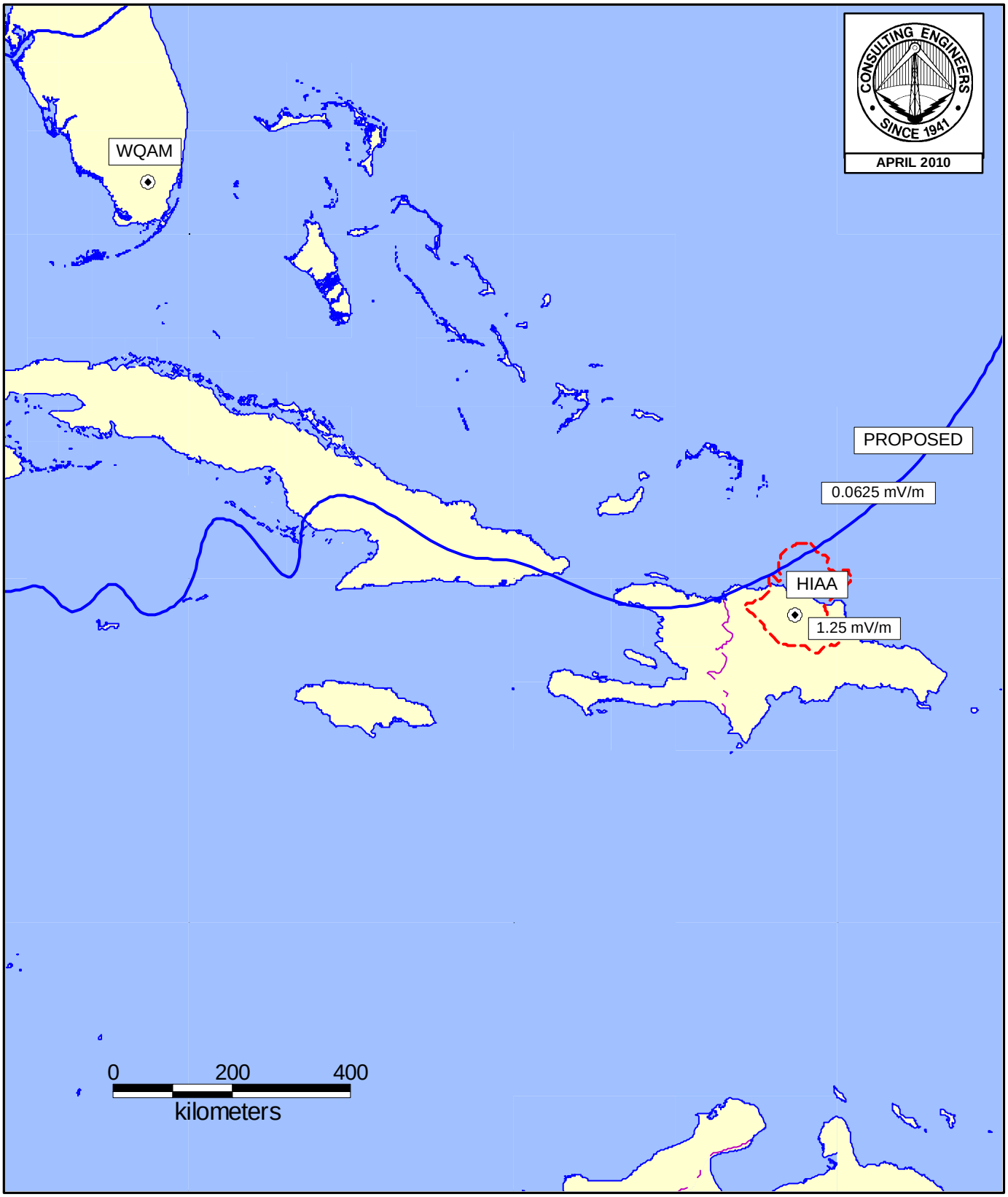

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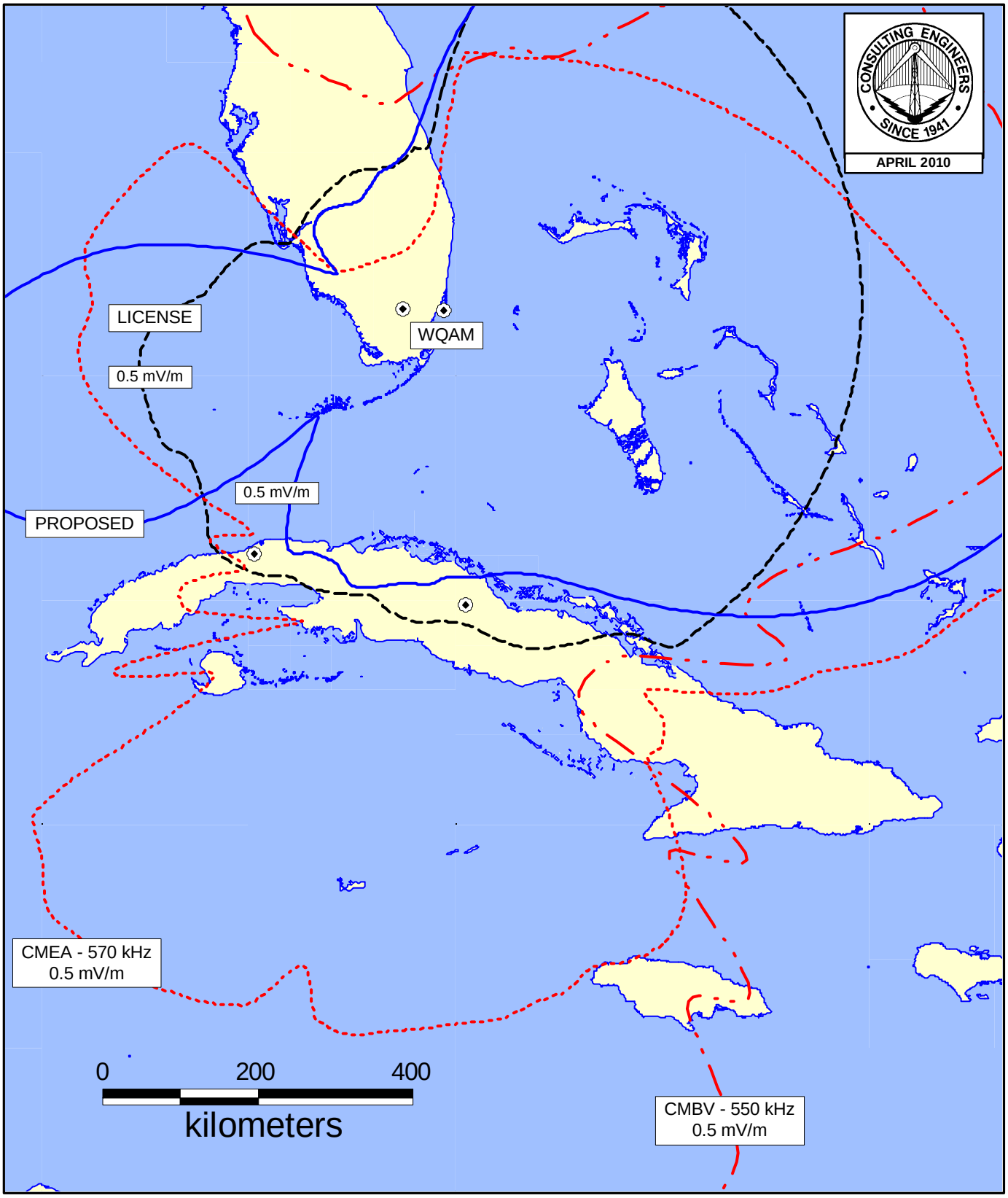

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Tabulation of Data Employed in
Calculation of Groundwave Contours

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

550 kHz Station

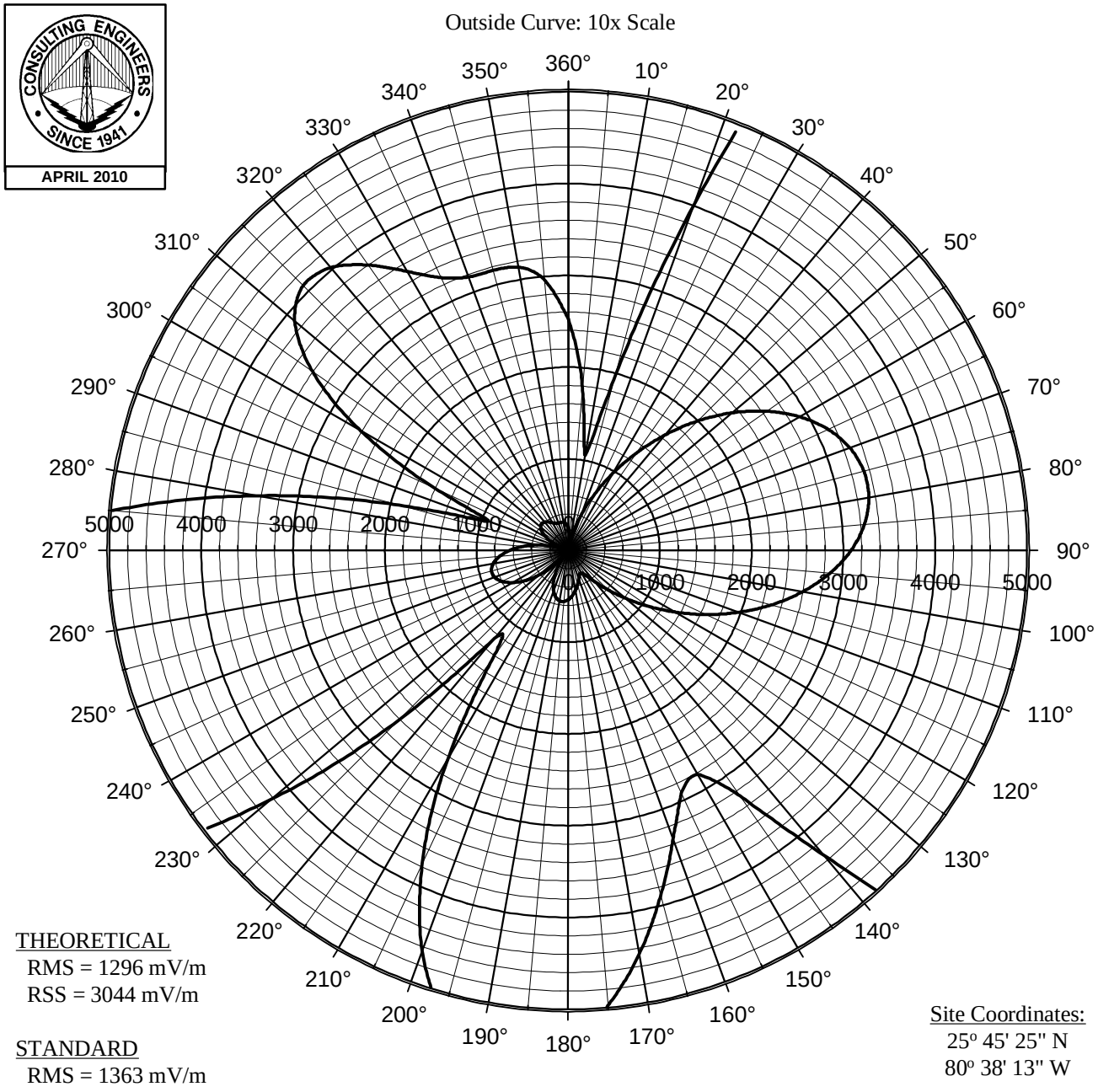
354.0 km 220.0 mi	CMBV		23-01-00 N Azi: 210.6	082-26-00 W 500.0 kW ND1 - 329.3 mV/m@1km Class: A Sched: U File #:
			Location: WAJAY, , CU	

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	0.528	+3.1	70.9	226.0	51.3	7.1
2	0.405	+171.0	140.0	294.9	51.3	7.1
3	1.000	0.0	132.2	325.0	51.3	7.1
4	0.605	-148.2	0.0	0.0	51.3	7.1
5	0.616	-154.4	159.6	351.0	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	0.528	+3.1	70.9	226.0	51.3	7.1
2	0.405	+171.0	140.0	294.9	51.3	7.1
3	1.000	0.0	132.2	325.0	51.3	7.1
4	0.605	-148.2	0.0	0.0	51.3	7.1
5	0.616	-154.4	159.6	351.0	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	1296	3044	76.1	1363

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	252	238	199	153	145	208	306
5	178	163	124	90	133	231	343
10	106	97	90	126	208	312	420
15	193	200	226	277	353	443	537
20	400	408	436	481	543	615	688
25	661	669	691	725	770	820	867
30	964	968	982	1002	1027	1051	1068
35	1295	1297	1300	1303	1304	1299	1284
40	1644	1641	1633	1617	1592	1556	1506
45	1996	1989	1967	1931	1880	1812	1727
50	2335	2323	2290	2234	2156	2056	1936
55	2646	2630	2585	2510	2407	2277	2124
60	2914	2895	2838	2746	2621	2465	2284
65	3125	3103	3038	2932	2788	2611	2406
70	3268	3244	3173	3057	2900	2707	2486
75	3337	3311	3236	3114	2950	2749	2518
80	3327	3301	3226	3102	2936	2734	2502
85	3240	3215	3141	3022	2860	2663	2438
90	3082	3059	2990	2877	2726	2541	2329
95	2862	2841	2779	2678	2541	2374	2182
100	2594	2576	2522	2435	2316	2171	2003
105	2291	2277	2233	2161	2063	1942	1801
110	1972	1960	1926	1870	1794	1698	1586
115	1650	1642	1617	1577	1521	1451	1366
120	1340	1335	1320	1294	1257	1210	1152
125	1055	1053	1045	1031	1012	985	950
130	804	804	802	799	792	782	767
135	595	596	598	602	606	609	609
140	433	435	440	449	459	470	480
145	326	328	334	344	356	370	384
150	282	283	287	293	301	312	323
155	292	292	292	292	292	294	297
160	334	333	328	322	314	305	297
165	389	387	378	365	349	331	312
170	446	442	430	411	387	360	333
175	498	492	477	452	421	387	351

Standard Radiation Pattern
(at One Kilometer)

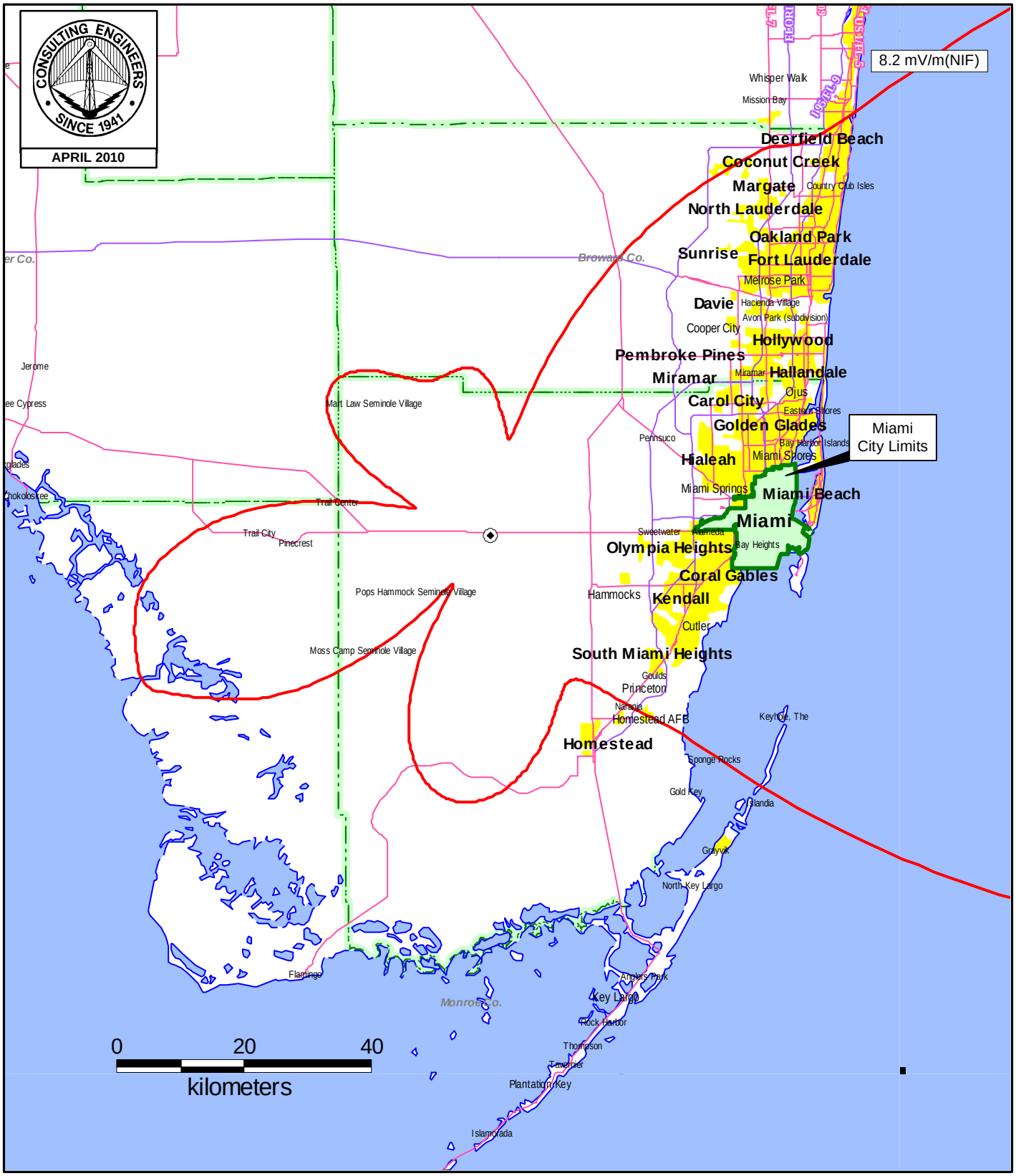
Azimuth Angle (deg)	Elevation Angle in Degrees 35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)	65 (mV/m)
0	407	496	561	595	596	563	499
5	449	539	602	632	628	588	518
10	521	603	658	680	666	617	539
15	623	690	730	737	710	650	561
20	752	797	816	804	760	685	584
25	904	922	915	879	814	722	608
30	1073	1059	1023	960	872	761	632
35	1254	1206	1136	1044	931	800	655
40	1440	1355	1252	1129	989	837	678
45	1623	1502	1364	1210	1045	873	698
50	1796	1639	1468	1285	1096	904	716
55	1951	1762	1560	1351	1139	931	730
60	2081	1863	1635	1403	1173	951	740
65	2180	1939	1691	1441	1197	963	746
70	2243	1986	1723	1462	1208	968	747
75	2266	2001	1731	1464	1206	964	742
80	2249	1984	1714	1447	1191	952	732
85	2192	1934	1671	1412	1163	930	717
90	2098	1854	1606	1360	1123	901	697
95	1971	1747	1519	1292	1072	865	672
100	1817	1619	1416	1212	1012	822	644
105	1644	1475	1299	1121	945	774	612
110	1459	1320	1174	1024	872	722	578
115	1269	1162	1045	923	796	669	542
120	1083	1005	917	822	720	614	506
125	907	855	793	723	645	560	469
130	746	716	678	631	574	508	433
135	604	593	574	546	507	458	399
140	487	489	484	471	447	413	367
145	396	406	410	407	394	371	337
150	335	345	352	354	349	335	310
155	301	306	311	314	312	304	285
160	291	287	285	285	283	277	264
165	295	281	271	265	260	255	245
170	306	283	264	251	243	236	228
175	317	286	260	241	229	221	214

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	537	530	512	482	445	404	363
185	558	551	529	496	455	410	364
190	555	547	525	490	447	400	353
195	525	517	495	460	418	372	328
200	465	458	437	405	367	327	289
205	375	369	352	326	296	266	240
210	261	257	246	229	212	198	188
215	142	141	139	138	141	147	153
220	127	129	135	143	152	160	163
225	262	261	259	254	246	235	218
230	421	418	406	388	362	329	290
235	572	566	546	515	472	420	360
240	701	692	666	623	565	496	418
245	797	786	754	702	633	550	458
250	853	840	804	746	668	576	475
255	864	851	812	750	669	572	466
260	829	816	777	715	633	537	431
265	752	739	702	643	565	473	372
270	639	627	593	539	468	384	293
275	498	488	459	412	350	278	201
280	343	335	311	272	222	165	107
285	190	184	167	139	106	77.5	73.9
290	92	91	89	91	101	122	151
295	159	161	169	181	198	219	242
300	260	263	269	279	292	307	322
305	340	341	347	355	365	376	386
310	389	391	396	403	413	423	432
315	408	410	416	425	436	447	458
320	402	405	411	422	436	452	467
325	380	382	389	402	418	439	460
330	351	353	359	370	388	413	441
335	328	328	329	336	352	379	414
340	317	314	307	304	314	340	382
345	316	309	293	276	275	301	350
350	313	304	277	247	235	261	321
355	296	284	250	209	190	226	303

Standard Radiation Pattern
(at One Kilometer)

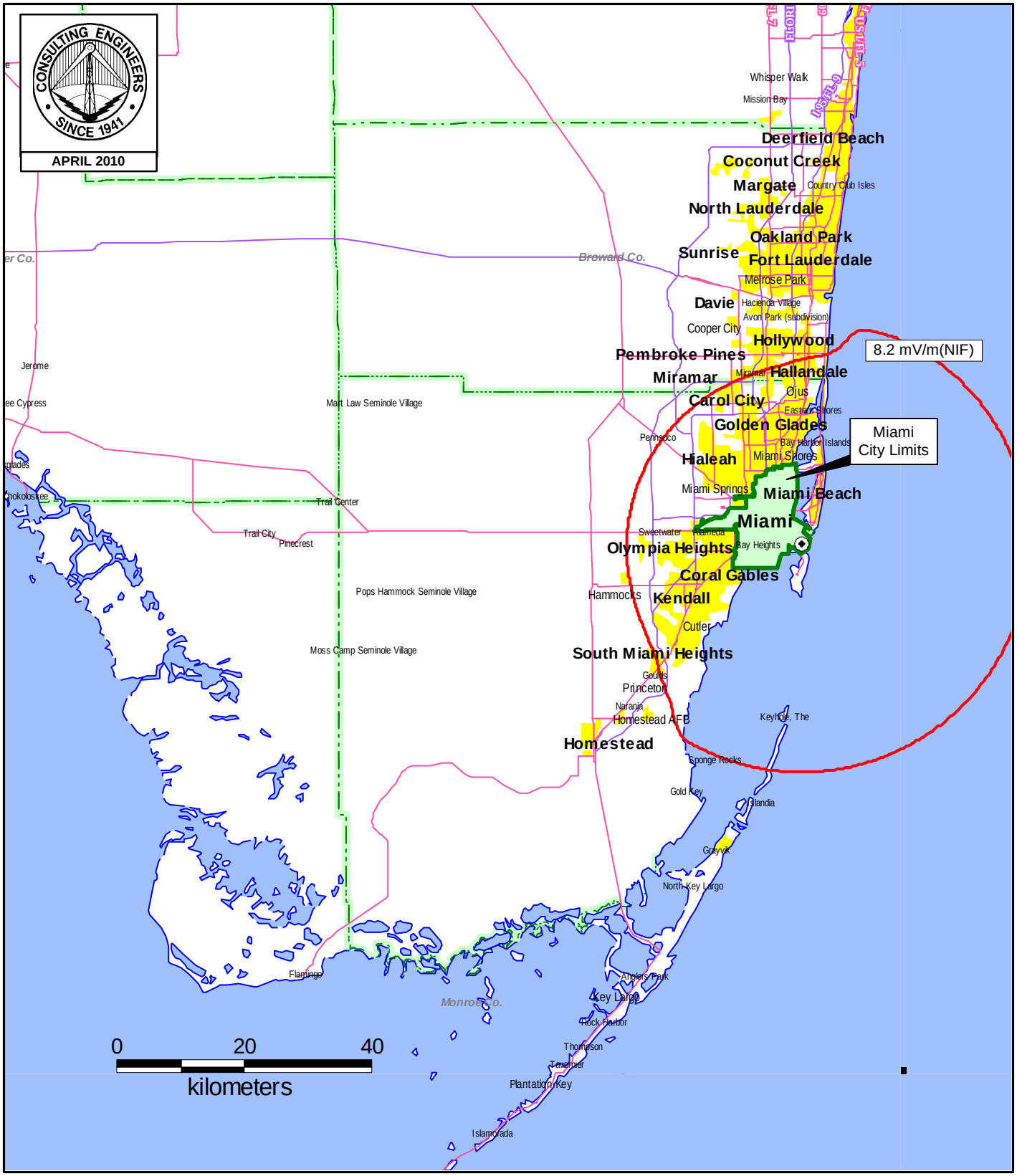
Azimuth Angle (deg)	Elevation Angle in Degrees 35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)	65 (mV/m)
180	323	287	256	233	217	208	201
185	321	282	250	224	206	196	190
190	310	272	239	214	196	185	181
195	288	254	225	201	184	175	172
200	257	229	206	186	172	165	163
205	219	201	185	170	159	155	156
210	181	173	164	154	146	145	149
215	156	155	148	139	134	135	143
220	161	153	140	128	122	127	138
225	196	171	143	121	112	119	134
230	246	199	154	118	103	112	131
235	295	229	167	117	96.2	108	130
240	336	253	176	115	90.0	105	131
245	362	266	179	110	84.7	106	134
250	369	266	172	101	81.3	110	140
255	356	250	155	87.0	82.2	118	148
260	323	218	127	73.3	90.3	130	159
265	270	173	93.6	69.7	107	148	173
270	202	118	65.8	86.8	133	169	188
275	125	68.7	75.8	122	164	193	205
280	66.0	78.7	123	166	200	219	224
285	102	142	182	215	237	247	244
290	183	215	243	264	276	276	264
295	265	285	302	312	313	304	284
300	337	348	355	356	348	331	303
305	395	401	401	395	380	357	323
310	439	442	439	428	409	380	341
315	467	470	467	455	434	402	358
320	480	487	487	477	455	421	374
325	479	494	499	493	473	439	390
330	469	492	505	505	489	455	405
335	452	485	508	515	503	471	419
340	430	475	509	524	517	486	434
345	410	467	511	534	531	503	449
350	395	465	519	548	549	520	464
355	391	473	534	568	570	540	481



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
AMENDMENT TO
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 NIF**
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: 1296.13 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	0.528	3.1	70.9	226.0	-999.0	0	1	51.3	7.1	0.0	0.0
2	0.405	171.0	140.0	294.9	-999.0	0	1	51.3	7.1	0.0	0.0
3	1.000	0.0	132.2	325.0	-999.0	0	1	51.3	7.1	0.0	0.0
4	0.605	-148.2	0.0	0.0	-999.0	0	1	51.3	7.1	0.0	0.0
5	0.616	-154.4	159.6	351.0	-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)
HIAA-C	DR		SANTIAGO 5	39.31	9.477	1205.44	1204.06	1.38
50% = 18.954, 25% = 18.954; CMIA-D=13.73 JBC-A=13.07								
WVOC	US	SC	COLUMBIA	52.91	2.779	262.60	257.16	5.44
50% = 6.044, 25% = 7.395; WWNC=5.20 WQAM=3.09 JBC-A=2.67 HCBN2-A=1.99 KLVI=1.96 WHBQ=1.80								
JBC-A	JM		NAGGO HEAD	27.69	1.666	300.89	292.54	8.35
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								
WGAN	US	ME	PORTLAND	10.59	1.131	534.17	524.42	9.75
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	524.24	9.87
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								
WIND	US	IL	CHICAGO	15.34	1.008	328.46	315.93	12.53
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								
XEQAA/A	MX	QR	CHETUMAL	51.80	3.100	299.22	286.29	12.93
50% = 6.2, 25% = 7.575; JBC-A=6.20 WQAM=2.87 XEOC/ =2.46 XEOC/A=2.16								
CMIA-D	CU		CIEGO DE AVI	51.37	3.193	310.85	292.78	18.07
50% = 6.387, 25% = 6.984; JBC-A=6.39 WQAM=2.83								
WFIL	US	PA	PHILADELPHIA	19.03	1.159	304.54	234.60	69.93
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								

Call Letters	Ct	St	City	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
WTBN	US	FL	PINELLAS PARK	198.16	2.199	554.86	478.54	76.32
50% = 7.543, 25% = 8.796; WWNC=5.17 KLIF=3.92 TISBJ-A=3.84 WDBO=3.70 XEME/A=2.60								
WHBQ	US	TN	MEMPHIS	27.66	2.795	505.19	399.72	105.48
50% = 8.68, 25% = 11.181; WVOC=6.30 KLVI=5.97 KWTO=4.17 WJLS=3.37 WIND=3.35 KTRS=3.12								
KWTO	US	MO	SPRINGFIELD	18.84	1.928	511.67	405.94	105.73
50% = 6.458, 25% = 7.711; WVOC=3.79 KLVI=3.71 WHBQ=3.68 WIND=2.65 KLZ=2.56 WJLS=2.05								
KLZ	US	CO	DENVER	7.48	0.811	542.54	393.99	148.55
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								
KLVI	US	TX	BEAUMONT	29.33	1.651	281.38	126.17	155.21
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								
WHYN	US	MA	SPRINGFIELD	13.59	1.723	633.53	388.27	245.26
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	269.02	352.90
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	352.26	398.96
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	133.35	592.77
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	337.19	686.54
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								
XEOC/A	MX	DF	IZTAPALAPA	10.12	3.260	1610.17	864.61	745.57
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	864.93	787.85
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	864.93	787.85
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	864.93	787.85
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								
KSFO	US	CA	SAN FRANCISCO	3.24	0.794	1224.66	246.39	978.26
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								

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	302.26	1150.67
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								
WDUN	US	GA	GAINESVILLE	46.68	1.666	1784.50	308.62	1475.87
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	333.55	1592.11
CJKL/A	CA	ON	KIRKLAND LAKE	5.80	2.191	1887.30	239.00	1648.30
50% = 4.685, 25% = 5.428; WIND=3.44 WJLS=2.30 WVOC=2.19 WGAN=1.74 WEBC=1.59 KMON=1.40								
KBLU	US	AZ	YUMA	5.55	1.962	1767.65	96.50	1671.15
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								
WKRC	US	OH	CINCINNATI	22.98	1.119	2433.79	314.46	2119.33
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								
KPQ	US	WA	WENATCHEE	2.26	1.147	2541.92	408.59	2133.33
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	259.00	2182.19
50% = 9.178, 25% = 10.197; WIND=6.59 WJLS=4.54 WVOC=4.49 WGAN=3.36 WFIL=2.91								
NEW	US	GA	GARDEN CITY	77.47	3.832	2473.04	254.38	2218.65
50% = 14.629, 25% = 15.328; WWNC=14.63 WAAX=4.57								
KMON	US	MT	GREAT FALLS	3.36	1.829	2721.95	402.59	2319.37
50% = 5.481, 25% = 7.417; KLZ=5.48 KPQ=2.56 WEBC=2.43 KWTO=2.27 KBOW=2.00 KSFO=1.83								
8RG-B (325)	GY		SPARENDAAM	1.83	1.250	3414.62S	1034.89	2379.74
NEW	US	GA	GARDEN CITY	76.46	4.079	2667.65	251.12	2416.53
50% = 15.639, 25% = 16.318; WWNC=15.64 WAAX=4.66								
WKBN	US	OH	YOUNGSTOWN	18.40	1.106	3005.89	250.59	2755.30
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	325.81	2849.71
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								
HOH 2-B	PM		RPC 1	5.59	3.979	3561.75	515.20	3046.55
50% = 7.959, 25% = 8.675; HJGS-A=6.34 HCBN2-A=4.81 JBC-A=3.45								
KLIF	US	TX	DALLAS	18.59	1.240	3333.76	272.94	3060.82
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								