



**STATEMENT OF CYNTHIA M. JACOBSON
IN SUPPORT OF A REQUEST FOR EXTENSION FOR
SPECIAL TEMPORARY AUTHORITY
TO OPERATE NIGHTTIME AT INCREASED POWER
TO MITIGATE CUBAN INTERFERENCE
WTBN - PINELLAS PARK, FLORIDA
570 kHz - 5.0 kW - DA-2-U
FACILITY ID: 51985**

Prepared for: Common Ground Broadcasting, Inc.

I am a Radio Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia.

My education and experience are a matter of record with the Federal Communications Commission. I am a Registered Professional Engineer in the Commonwealth of Virginia, Registration No. 027914.

GENERAL

This office has been authorized by Common Ground Broadcasting, Inc. ("Common Ground") to prepare this statement setting forth supporting information for a Request for Further Extension for Special Temporary Authority, originally granted June 26, 2008, permitting radio station WTBN, Pinellas Park, Florida, to operate with 10 kW during nighttime hours utilizing a directional antenna system specifically designed to mitigate Cuban interference.

Since the mid-1980's, WTBN has experienced interference from a 30 kW co-channel

facility located at Santa Clara, Cuba. The North American Regional Broadcasting Agreement provides for a 10 kW assignment at Santa Clara, utilizing a nighttime directional antenna system, with fields toward the United States suppressed to approximately 1.0 kW. As has been substantiated by observation, (as well as provided in an authoritative publication, the 2009 World Radio TV Handbook), that facility, current call letters CMDC, operates with 25 kW using a non-directional antenna system. These technical facilities are similar to the technical facilities that have been notified to the International Frequency Registration Board ("IFRB").

In accordance with the provisions established by the Commission permitting increases in power to offset interference received by unlawful Cuban broadcast facilities, technical personnel at WTBN have been observing the received field strength over a five minute duration, periodically since January 2002. The results of observations made since the data contained in the previous request for extension filed December 10, 2008 are attached in tabular form for the period of December 7, 2008 through December 6, 2009, see Table 1, and substantiate the existence of a Cuban broadcast facility, which results in measured field strengths far exceeding those anticipated from the facility described in NARBA. The measurement values are consistent with previous measurements, with the exception of the June 21, 2009 and September 13, 2009 which tend to be uncharacteristically high, but are the values observed. Also note that beginning with the October 4, 2009 measurement, there is a one degree shift in bearing. This is a result of a change in the measurement monitoring location.

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It is submitted that these measurements support a continued operation at 10 kW for WTBN to enable the station to offset, in part, substantial interference received from the Cuban assignment.

This statement was prepared by me and is believed to be true and correct, under penalty of perjury.

DATED: December 11, 2009



<u>Date</u>	<u>Time</u>	<u>Duration</u>	<u>Bearing</u>	<u>Min. Field Str.</u>	<u>Max Field Str.</u>
12/7/2008	11:10 AM	5 Min	169	0.40 mV/M	1.70 mV/M
12/15/2008	12:32 AM	5 Min	169	1.00 mV/M	2.40 mV/M
12/27/2008	1:04 AM	5 Min	169	2.00 mV/M	5.90 mV/M
12/28/2008	11:24 AM	5 Min	169	0.70 mV/M	2.00 mV/M
1/4/2009	11:45 AM	5 Min	169	0.80 mV/M	1.70 mV/M
1/13/2009	12:22 PM	5 Min	169	0.90 mV/M	3.70 mV/M
1/21/2009	11:35 AM	5 Min	169	0.50 mV/M	1.10 mV/M
1/25/2009	11:04 AM	5 Min	169	0.80 mV/M	1.40 mV/M
2/2/2009	1:02 AM	5 Min	169	0.90 mV/M	2.40 mV/M
2/8/2009	11:46 AM	5 Min	169	1.30 mV/M	3.50 mV/M
2/16/2009	12:03 AM	5 Min	169	2.50 mV/M	7.80 mV/M
2/22/2009	11:50 AM	5 Min	169	0.90 mV/M	2.00 mV/M
3/1/2009	10:45 AM	5 Min	169	1.40 mV/M	2.60 mV/M
3/9/2009	12:17 AM	5 Min	169	1.10 mV/M	3.50 mV/M
3/16/2009	1:18 AM	5 Min	169	0.70 mV/M	1.50 mV/M
3/23/2009	12:12 AM	5 Min	169	2.30 mV/M	4.40 mV/M
3/30/2009	12:10 AM	5 Min	169	1.20 mV/M	3.00 mV/M
4/6/2009	3:12 AM	5 Min	169	0.90 mV/M	2.10 mV/M
4/12/2009	10:50 AM	5 Min	169	0.50 mV/M	2.80 mV/M
4/20/2009	11:49 AM	5 Min	169	0.60 mV/M	2.40 mV/M
4/29/2009	2:13 AM	5 Min	169	1.20 mV/M	4.70 mV/M
5/4/2009	12:15 AM	5 Min	169	2.00 mV/M	5.80 mV/M
5/10/2009	10:45 AM	5 Min	169	1.70 mV/M	2.90 mV/M
5/18/2009	12:45 AM	5 Min	169	0.40 mV/M	1.20 mV/M
5/24/2009	10:35 AM	5 Min	169	0.30 mV/M	1.80 mV/M
5/31/2009	11:13 AM	5 Min	169	0.80 mV/M	2.10 mV/M
6/7/2009	11:37 AM	5 Min	169	0.70 mV/M	2.20 mV/M
6/14/2009	10:38 AM	5 Min	169	0.90 mV/M	2.60 mV/M
6/21/2009	11:25 AM	5 Min	169	7.00 mV/M	11.50 mV/M
6/28/2009	11:39 AM	5 Min	169	0.98 mV/M	2.60 mV/M
7/5/2009	10:22 AM	5 Min	169	1.10 mV/M	2.40 mV/M
7/12/2009	10:50 AM	5 Min	169	0.80 mV/M	2.00 mV/M
7/19/2009	11:20 AM	5 Min	169	0.90 mV/M	1.80 mV/M
7/26/2009	10:15 AM	5 Min	169	1.40 mV/M	2.30 mV/M
8/2/2009	11:35 AM	5 Min	169	0.70 mV/M	1.60 mV/M
8/9/2009	10:50 AM	5 Min	169	0.50 mV/M	1.70 mV/M
8/16/2009	11:53 AM	5 Min	169	0.90 mV/M	2.80 mV/M
8/23/2009	11:50 AM	5 Min	169	1.20 mV/M	2.60 mV/M
8/30/2009	10:15 AM	5 Min	169	0.70 mV/M	2.10 mV/M
9/6/2009	11:40 AM	5 Min	169	1.10 mV/M	3.50 mV/M
9/13/2009	11:08 AM	5 Min	169	7.50 mV/M	14.00 mV/M
9/21/2009	4:10 AM	5 Min	169	0.70 mV/M	2.80 mV/M
9/28/2009	1:04 AM	5 Min	169	0.60 mV/M	2.30 mV/M
10/4/2009	11:07 PM	5 Min	170	0.85 mV/M	1.95 mV/M
10/11/2009	11:06 PM	5 Min	170	0.55 mV/M	1.80 mV/M
10/18/2009	11:06 PM	5 Min	170	1.25 mV/M	3.10 mV/M
10/25/2009	11:07 PM	5 Min	170	0.95 mV/M	2.20 mV/M
11/1/2009	11:07 PM	5 Min	170	0.80 mV/M	1.85 mV/M
11/8/2009	11:25 PM	5 Min	170	0.90 mV/M	2.10 mV/M
11/15/2009	11:07 PM	5 Min	170	1.10 mV/M	2.60 mV/M

<u>Date</u>	<u>Time</u>	<u>Duration</u>	<u>Bearing</u>	<u>Min. Field Str.</u>	<u>Max Field Str.</u>
11/22/2009	11:07 PM	5 Min	170	1.30 mV/M	1.90 mV/M
11/29/2009	11:07 PM	5 Min	170	1.00 mV/M	1.80 mV/M
12/6/2009	11:06 PM	5 Min	170	0.75 mV/M	2.20 mV/M