D Squared Broadcast Technologies, Inc.
P.O. Box 48
Madison, GA 30650

EXHIBIT EE-1

SUPPORTING FCC FORM 302-FM

WRGC-FM

Milledgeville, GA

February 10, 2011

Voice: 706-342-4474 Fax: 706-752-1879 E-Mail: dldavis@dsquaredbroadcast.com

D Squared Broadcast Technologies, Inc.
P.O. Box 48
Madison, GA 30650

EXHIBIT EE-1

Contents

Broadcast Engineer's Affidavit

Land Surveyor's Affidavit

Antenna Proof of Performance

Voice: 706-342-4474 Fax: 706-752-1879 E-Mail: dldavis@dsquaredbroadcast.com

D Squared Broadcast Technologies, Inc.
P.O. Box 48
Madison, GA 30650

ENGINEER'S STATEMENT

Daniel L. Davis deposes and says:

That he prepared the attached exhibit and that all work contained in that exhibit is true of his knowledge and belief, and as to such statements made on belief, they are believed to be true.

That he currently holds a F.C.C. General Class Radiotelephone License and had held a FCC First Class Radiotelephone License for ten years prior to receiving the General Class License in 1985. He also holds Professional Broadcast Engineer certification through the Society of Broadcast Engineers, and has been a member of the SBE since 1983.

That he received the degree of Master of Education from the University of Georgia in 1978, and that his undergraduate program of study was strong in Mathematics and Physics.

That he has been involved in the technical aspects of broadcasting since 1975, and has performed design, installation, project management, troubleshooting, and maintenance on broadcast facilities, including compliance measurements in connection with this work.

This statement certifies that I oversaw the assembly and installation of the WRGC directional antenna. The installation contr*actor, United Tower Service*, followed the antenna manufacturer's installation instructions and drawings. All elements were positioned precisely, using factory provided alignment marks and numbering. T*he antenna azimuth was certified by a* licensed land surveyor*, of Cranston Engineering Group*, as indicated elsewhere in this exhibit.

_____

Daniel L. Davis, CPBE 02/10/11
FCC Lic. No. PG-6-14509
SBE CPBE No. 50651
GA Lic. No. LVU-003485

Voice: 706-342-4474 Fax: 706-752-1879 E-Mail: dldavis@dsquaredbroadcast.com

Cranston Engineering Group, P.C.
ENGINEERS - PLANNERS - SURVEYORS

452 ELLIS STREET, AUGUSTA, GEORGIA 30901
POST OFFICE BOX 2546, AUGUSTA, GEORGIA 30903
TELEPHONE 706-722-1588
FACSIMILE 706-722-8379
mail@cranstonengineering.com

THOMAS H. ROBERTSON, PE, AICP, RLS
JAMES B. CRANFORD, JR., PE
DENNIS J. WELCH, PE

J. CRAIG CRANSTON, PE, RLS
(RETIRED)

I, John T. Attaway, am a duly registered surveyor in the state of Georgia, and do hereby certify to the best of my knowledge, information, and belief that the FM antenna designated as "Georgia College & State University, WRGC-FM, 88.3 MHz, located in Milledgeville, GA" was setup and affixed to the existing tower under my supervision. The FM antenna was set at an azimuth of 285° (relative to True North), and an elevation of 784' above mean sea level (NAVD 1988) within the tolerances given to us by Daniel L. Davis, CPBE.

John T. Attaway, RLS
GA. RLS Number 2512

GEORGIA REGISTERED No. 2512 LAND SURVEYOR JOHN THOMAS ATTAWAY

2/8/11

Shively Labs
a division of Howell Laboratories,Inc.

- An Employee-Owned Company -

P. O. Box 389 Harrison Rd.,
Bridgton, Maine 04009 USA

(207) 647-3327
888-SHIVELY
Fax: (207) 647-8273
E-mail: sales@shively.com
Web site: www.shively.com

S.O. 28439

Report of Test 6810-3R-DA

for

GEORGIA COLLEGE & STATE UNIVERSITY

WRGC-FM 88.3 MHz Milledgeville, GA

OBJECTIVE:

The objective of this test was to demonstrate the directional characteristics of a 6810-3R-DA to meet the needs of WRGC-FM and to comply with the requirements of the FCC construction permit, file number BNPED-20071018AOO.

RESULTS:

The following Figures are the results of the measurements from our pattern range:

Figure 1A- Measured Azimuth Pattern with the FCC Composite
Figure 1B- Measured Composite Azimuth Pattern with the FCC Composite
Figure 1C- Tabulation of the Horizontal Polarization for the Measured Azimuth Pattern
Figure 1D - Tabulation of the Vertical Polarization for the Measured Azimuth Pattern
Figure 1E - Tabulation of the Measured Composite Azimuth Pattern
Figure 1F - Tabulation of the FCC Composite

The calculated elevation pattern of the antenna is shown in Figure 3.

Construction permit file number BNPED-20071018AOO indicates that the Horizontal radiation component shall not exceed 4.8 kW at any azimuth and is restricted to the following values at the azimuths specified:

70 - 90 Degrees T: 0.150 kW

From Figure 1A, the maximum radiation of the Horizontal component occurs at 225 Degrees T to 315 Degrees T. At the restricted azimuth of 70 - 90 Degrees T the Horizontal component is 15.39 dB down from the maximum of 4.8 kW, or 0.139 kW.

The R.M.S. of the Horizontal component is 0.675. The total Horizontal power gain is 3.609. The R.M.S. of the Vertical component is 0.640. The total Vertical power gain is 3.257. See Figure 4 for calculations. The R.M.S. of the FCC composite pattern is 0.704. The R.M.S. of the measured composite pattern is 0.679. Eighty-five percent (85%) of the original authorized FCC composite pattern is 0.598. Therefore this pattern complies with the FCC requirement of 73.316(c)(2)(ix)(A).

METHOD OF DIRECTIONALIZATION:

One bay of the 6810-3R-DA was mounted on a tower of precise scale to the Rohn 36-inch face tower at the WRGC-FM site. The spacing of the antenna to the tower was varied to achieve the vertical pattern shown in Figure 1A. A horizontal parasitic element was placed directly under the bay. The position of this horizontal parasitic element was changed until the horizontal pattern shown in Figure 1A was achieved. See Figure 2 for mechanical details.

METHOD OF MEASUREMENT:

As allowed by the construction permit, file number BNPED-20071018AOO, a single level of the 6810-3R-DA was set up on the Howell Laboratories scale model antenna pattern measuring range. A scale of 4.5:1 was used.

SUPERVISION:

Mr. Surette was graduated from Lowell Technological Institute, Lowell, Massachusetts in 1973 with the degree of Bachelor of Science in Electrical Engineering. He has been directly involved with design and development of broadcast antennas, filter systems and RF transmission components since 1974, as an RF Engineer for six years with the original Shively Labs in Raymond, ME and for a short period of time with Dielectric Communications. He is currently an Associate Member of the AFCCE and a Senior Member of IEEE. He has authored a chapter on filters and combining systems for the latest edition of the CRC Electronics Handbook and for the 9th and 10th Editions of the NAB Handbook.

EQUIPMENT:

The scale model pattern range consists of a wooden rotating pedestal equipped with a position indicator. The scale model bay is placed on the top of this pedestal and is used in the transmission mode at approximately 20 feet above ground level. The receiving corner reflector is spaced 50 feet away from the rotating pedestal at the same level above ground as the transmitting model. The transmitting and receiving signals are carried to a control building by means of RG-9/U double shielded coax cable.

The control building is equipped with:

Hewlett Packard Model 8753 Network Analyzer

PC Based Controller

Hewlett Packard 7550A Graphics Plotter

The test equipment is calibrated to ANSI/NCSL Z540-1-1994.

TEST PROCEDURES:

The corner reflector is mounted so that the horizontal and vertical azimuth patterns are measured independently by rotating the corner reflector by 90 degrees. The network analyzer was set to 397.35 MHz. Calibrated pads are used to check the linearity of the measuring system. For example, 6 dB padding yields a scale reading of 50 from an unpadded reading of 100 in voltage. From the recorded patterns, the R.M.S. values are calculated and recorded as shown in Figure 1A.

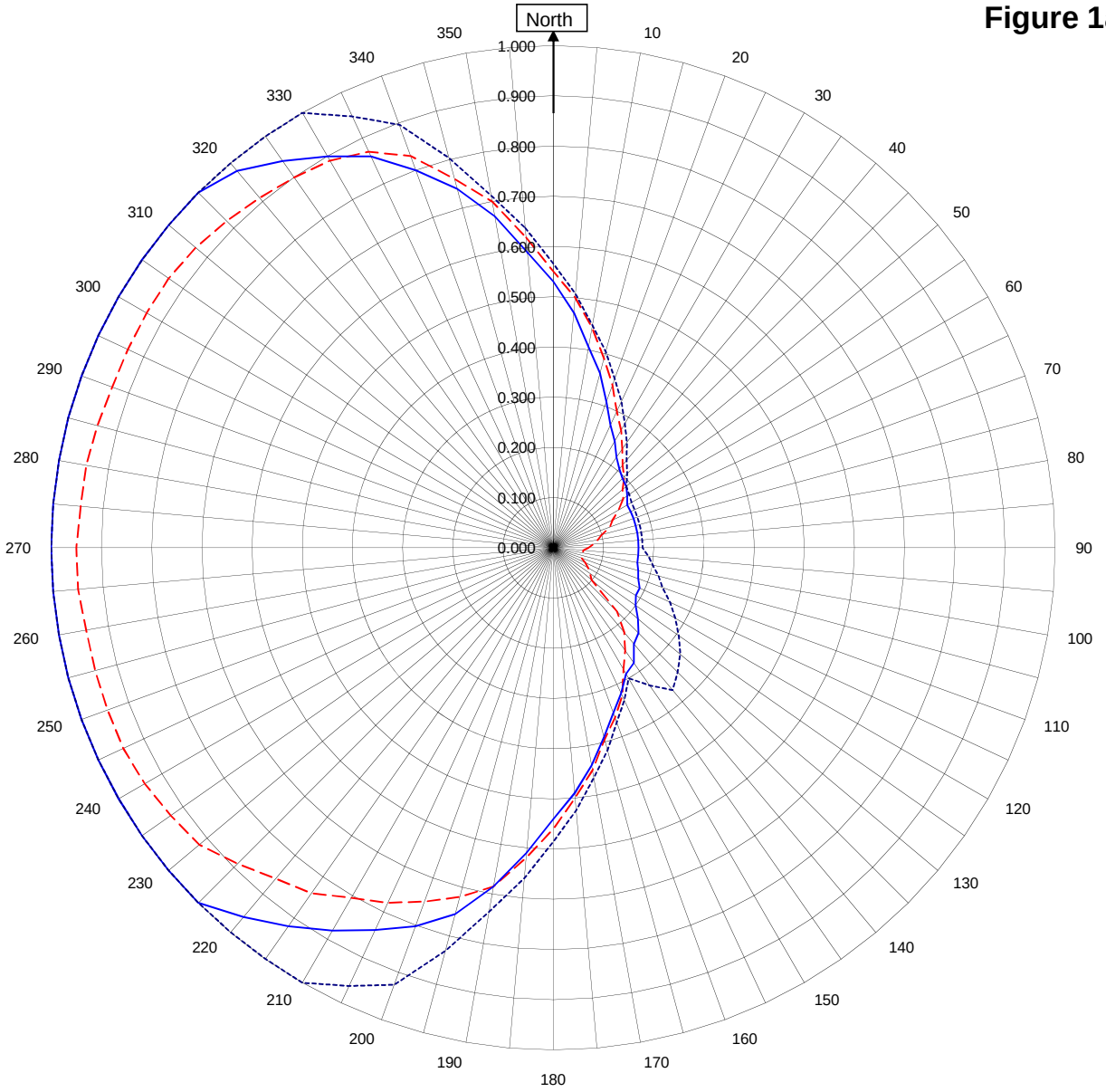
Respectfully submitted by:

Robert A. Surette
Director of Sales Engineering
S/O 28439
September 15, 2010

Shively Labs

Shively Labs, a division of Howell Laboratories, Inc. Bridgton, ME (207)647-3327

Figure 1a



WRGC-FM Milledgeville, GA

28439

September 20, 2010

Horizontal RMS	0.675
Vertical RMS	0.640
H/V Composite RMS	0.679
FCC Composite RMS	0.704

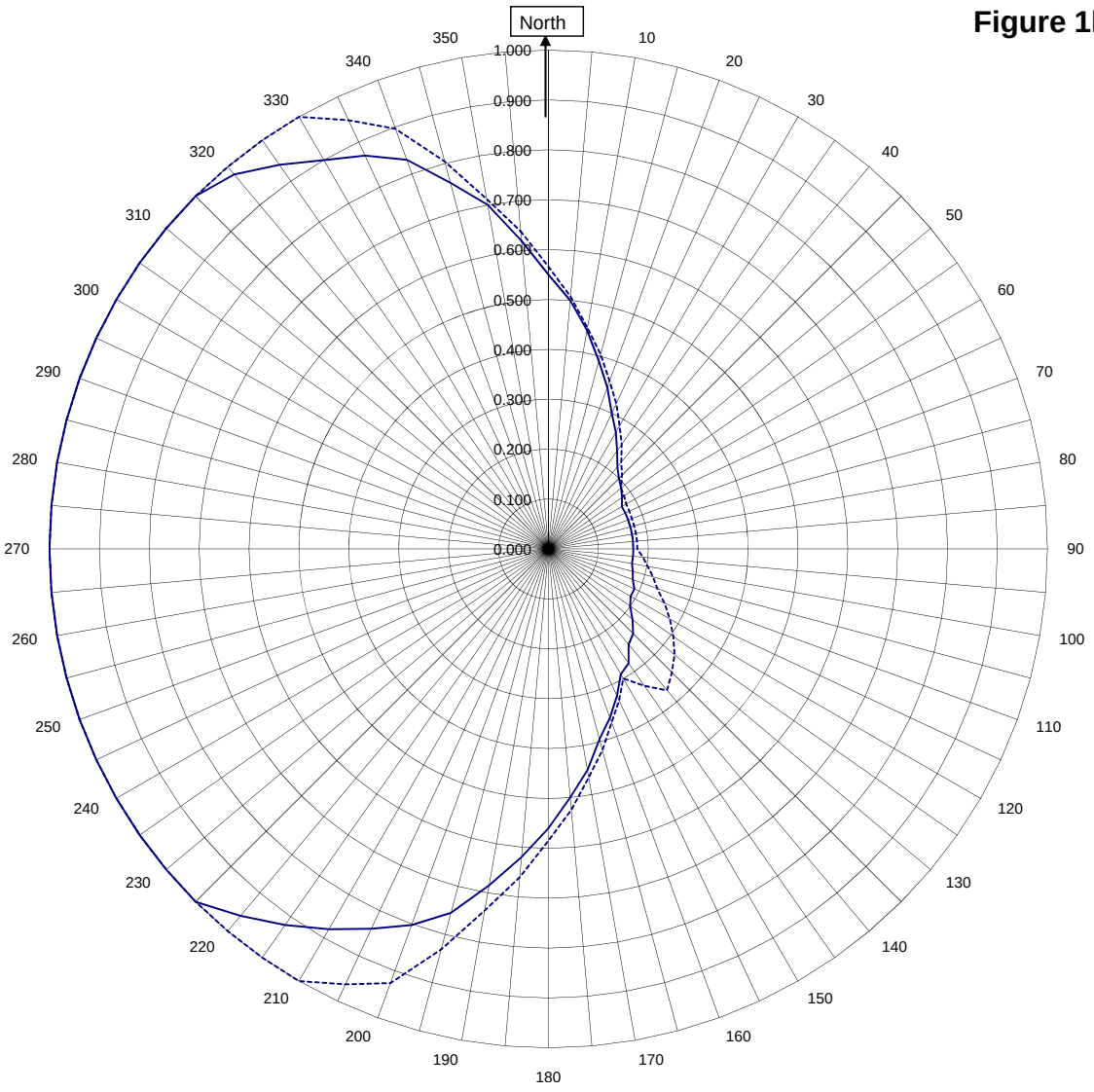
Frequency	88.3 / 397.35 mHz
Plot	Relative Field
Scale	4.5 : 1
	See Figure 2 for Mechanical Details

Antenna Model	6810-3R-DA
Pattern Type	Directional Azimuth

Shively Labs

Shively Labs, a division of Howell Laboratories, Inc. Bridgton, ME (207)647-3327

Figure 1b



WRGC-FM Milledgeville, GA

28439

September 20, 2010

_____H/VComposite RMS	0.679
……..FCC Composite RMS	0.704

Frequency	88.3 / 397.35 mHz
Plot	Relative Field
Scale	4.5 : 1
	See Figure 2 for Mechanical Details

Antenna Model	6810-3R-DA
Pattern Type	Directional H/V Composite

Figure 1c

Tabulation of Horizontal Azimuth Pattern
WRGC-FM Milledgeville, GA

Azimuth	Rel Field	Azimuth	Rel Field
0	0.530	180	0.540
10	0.405	190	0.685
20	0.310	200	0.802
30	0.245	210	0.880
40	0.205	220	0.960
45	0.195	225	1.000
50	0.190	230	1.000
60	0.170	240	1.000
70	0.170	250	1.000
80	0.170	260	1.000
90	0.170	270	1.000
100	0.170	280	1.000
110	0.180	290	1.000
120	0.190	300	1.000
130	0.220	310	1.000
135	0.240	315	1.000
140	0.250	320	0.980
150	0.290	330	0.900
160	0.350	340	0.800
170	0.440	350	0.670

Figure 1d

Tabulation of Vertical Azimuth Pattern
WRGC-FM Milledgeville, GA

Azimuth	Rel Field	Azimuth	Rel Field
0	0.550	180	0.560
10	0.445	190	0.685
20	0.345	200	0.750
30	0.270	210	0.805
40	0.215	220	0.860
45	0.200	225	0.890
50	0.180	230	0.920
60	0.150	240	0.940
70	0.120	250	0.945
80	0.090	260	0.945
90	0.070	270	0.950
100	0.060	280	0.945
110	0.060	290	0.935
120	0.080	300	0.935
130	0.100	310	0.930
135	0.180	315	0.920
140	0.220	320	0.910
150	0.280	330	0.890
160	0.360	340	0.830
170	0.450	350	0.700

Figure 1e

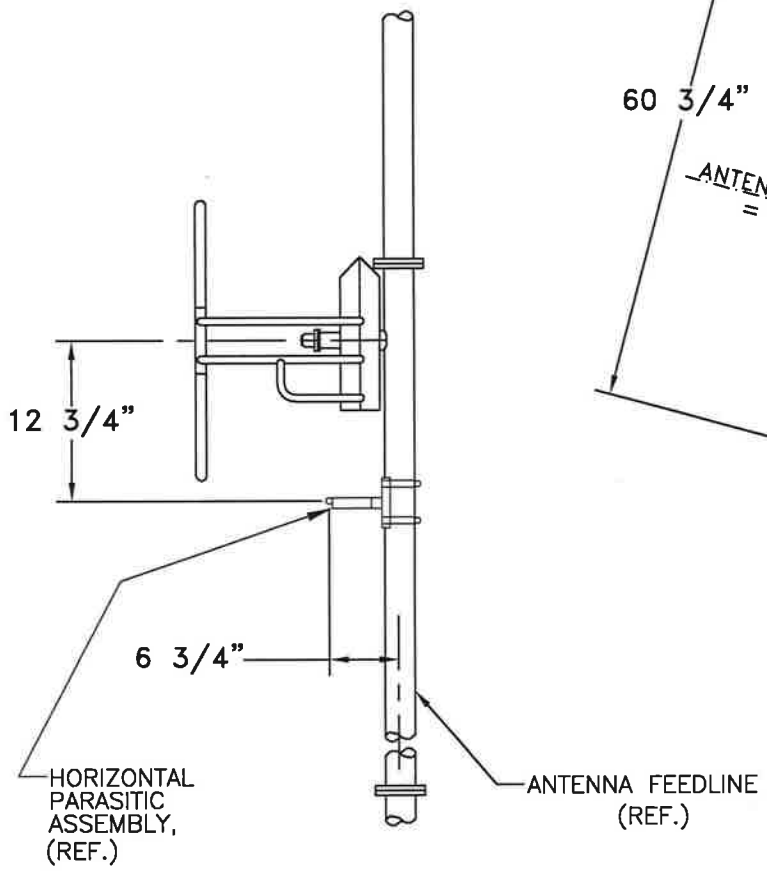
Tabulation of Composite Azimuth Pattern
WRGC-FM Milledgeville, GA

Azimuth	Rel Field	Azimuth	Rel Field
0	0.550	180	0.560
10	0.445	190	0.685
20	0.345	200	0.802
30	0.270	210	0.880
40	0.215	220	0.960
45	0.200	225	1.000
50	0.190	230	1.000
60	0.170	240	1.000
70	0.170	250	1.000
80	0.170	260	1.000
90	0.170	270	1.000
100	0.170	280	1.000
110	0.180	290	1.000
120	0.190	300	1.000
130	0.220	310	1.000
135	0.240	315	1.000
140	0.250	320	0.980
150	0.290	330	0.900
160	0.360	340	0.830
170	0.450	350	0.700

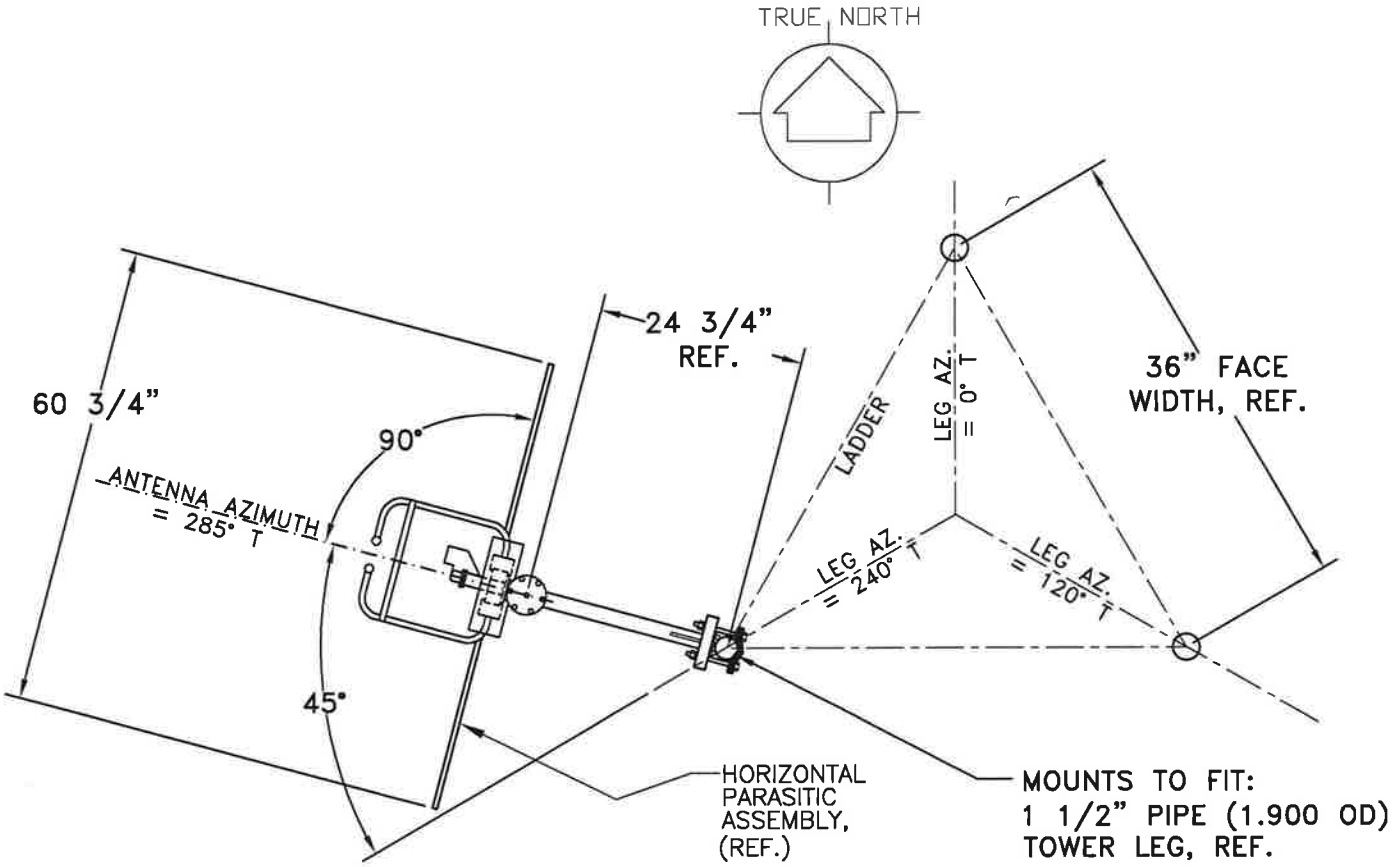
Figure 1f

Tabulation of FCC Directional Composite
WRGC-FM Milledgeville, GA

Azimuth	Rel Field	Azimuth	Rel Field
0	0.566	180	0.585
10	0.450	190	0.736
20	0.358	200	0.926
30	0.285	210	1.000
40	0.227	220	1.000
50	0.190	230	1.000
60	0.180	240	1.000
70	0.178	250	1.000
80	0.178	260	1.000
90	0.178	270	1.000
100	0.202	280	1.000
110	0.232	290	1.000
120	0.281	300	1.000
130	0.330	310	1.000
140	0.370	320	1.000
150	0.300	330	1.000
160	0.370	340	0.896
170	0.465	350	0.712



SIDE VIEW



TOP VIEW

TOWER: UNKNOWN 36" FACE

ANTENNA HEADING 285° TRUE NORTH

SHIVELY LABS
A DIVISION OF HOWELL LABORATORIES INC., BRIDGTON, MAINE

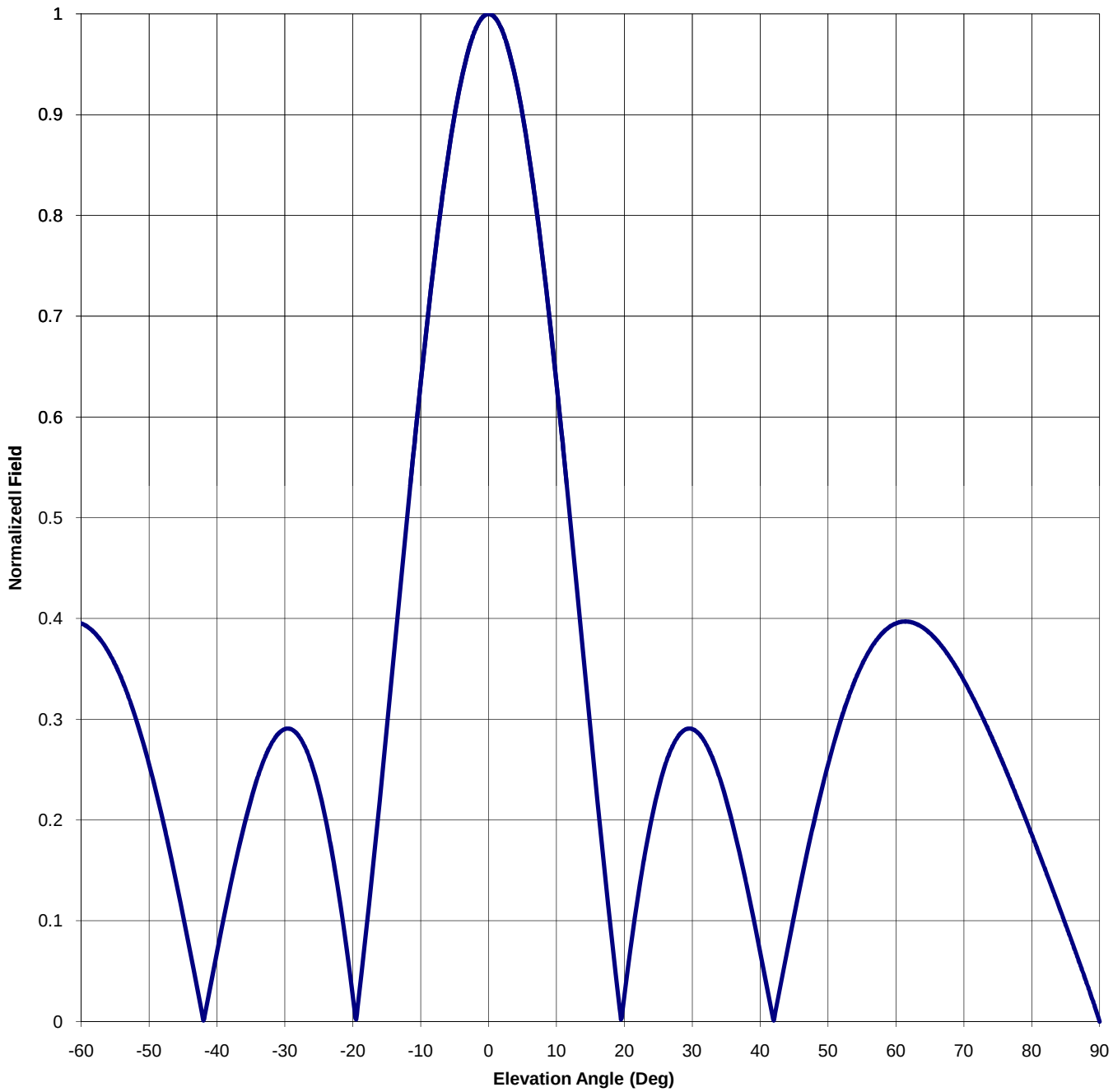
SHOP ORDER:	FREQUENCY:	SCALE:	DRAWN BY:
28439	88.3	N.T.S.	ASP
			APPROVED BY: DAB

TITLE: MODEL-6810-3R-DIRECTIONAL ANTENNA

DATE: 9/17/10

FIGURE 2

Antenna Mfg.:	**Shively Labs**			**Date: 9/20/2010**
Antenna Type:	**6810-3R-DA**			
Station:	**WRGC-FM**	**Beam Tilt**	**0**	
Frequency:	**88.3**	**Gain (Max)**	**3.609**	**5.574 dB**
Channel #:	**202**	**Gain (Horizon)**	**3.609**	**5.574 dB**
Figure:	**3**			



Antenna Mfg.: Shively Labs
Antenna Type: 6810-3R-DA
Station: WRGC-FM
Frequency: 88.3
Channel #: 202
Figure: 3

Beam Tilt 0
Gain (Max) 3.609 **5.574 dB**
Gain (Horizon) 3.609 **5.574 dB**

Date: 9/20/2010

Angle of Depression (Deg)	Relative Field	Angle of Depression (Deg)	Relative Field	Angle of Depression (Deg)	Relative Field	Angle of Depression (Deg)	Relative Field
-90	0.000	-44	0.071	0	1.000	46	0.138
-89	0.021	-43	0.036	1	0.996	47	0.170
-88	0.040	-42	0.001	2	0.984	48	0.201
-87	0.059	-41	0.034	3	0.963	49	0.229
-86	0.078	-40	0.069	4	0.935	50	0.255
-85	0.096	-39	0.103	5	0.900	51	0.280
-84	0.114	-38	0.135	6	0.858	52	0.302
-83	0.132	-37	0.166	7	0.809	53	0.322
-82	0.150	-36	0.195	8	0.755	54	0.339
-81	0.168	-35	0.220	9	0.696	55	0.354
-80	0.185	-34	0.243	10	0.634	56	0.367
-79	0.203	-33	0.261	11	0.568	57	0.377
-78	0.220	-32	0.276	12	0.500	58	0.386
-77	0.236	-31	0.285	13	0.430	59	0.392
-76	0.252	-30	0.290	14	0.360	60	0.395
-75	0.268	-29	0.290	15	0.290	61	0.397
-74	0.284	-28	0.284	16	0.221	62	0.397
-73	0.298	-27	0.272	17	0.155	63	0.395
-72	0.312	-26	0.254	18	0.091	64	0.391
-71	0.326	-25	0.231	19	0.031	65	0.385
-70	0.338	-24	0.201	20	0.026	66	0.379
-69	0.350	-23	0.165	21	0.077	67	0.370
-68	0.361	-22	0.124	22	0.124	68	0.361
-67	0.370	-21	0.077	23	0.165	69	0.350
-66	0.379	-20	0.026	24	0.201	70	0.338
-65	0.385	-19	0.031	25	0.231	71	0.326
-64	0.391	-18	0.091	26	0.254	72	0.312
-63	0.395	-17	0.155	27	0.272	73	0.298
-62	0.397	-16	0.221	28	0.284	74	0.284
-61	0.397	-15	0.290	29	0.290	75	0.268
-60	0.395	-14	0.360	30	0.290	76	0.252
-59	0.392	-13	0.430	31	0.285	77	0.236
-58	0.386	-12	0.500	32	0.276	78	0.220
-57	0.377	-11	0.568	33	0.261	79	0.203
-56	0.367	-10	0.634	34	0.243	80	0.185
-55	0.354	-9	0.696	35	0.220	81	0.168
-54	0.339	-8	0.755	36	0.195	82	0.150
-53	0.322	-7	0.809	37	0.166	83	0.132
-52	0.302	-6	0.858	38	0.135	84	0.114
-51	0.280	-5	0.900	39	0.103	85	0.096
-50	0.255	-4	0.935	40	0.069	86	0.078
-49	0.229	-3	0.963	41	0.034	87	0.059
-48	0.201	-2	0.984	42	0.001	88	0.040
-47	0.170	-1	0.996	43	0.036	89	0.021
-46	0.138	0	1.000	44	0.071	90	0.000
-45	0.105			45	0.105		

S.O. 28439 Figure 4

VALIDATION OF TOTAL POWER GAIN CALCULATION

WRGC-FM 88.3 MHz Milledgeville, GA

Model 6810-3R-DA

Elevation Gain of Antenna 1.559

Horizontal RMS value divided by the Vertical RMS value equals the Horiz. - Vert. Ratio

H RMS 0.675 V RMS 0.64 H/V Ratio 1.055

Elevation Gain of Horizontal Component 1.644

Elevation Gain of Vertical Component 1.478

Horizontal Azimuth Gain equals $1/(RMS)^2$. 2.195

Vertical Azimuth Gain equals $1/(RMS/Max\ Vert)^2$. 2.203

Max. Vertical 0.95

***Total Horizontal Power Gain is the Elevation Gain Times the Azimuth Gain**

Total Horizontal Power Gain = **3.609**

***Total Vertical Power Gain is the Elevation Gain Times the Azimuth Gain**

Total Vertical Power Gain = **3.257**

==========

ERP divided by Horizontal Power Gain equals Antenna Input Power

4.8 kW ERP Divided by H Gain 3.609 equals 1.33 kW H Antenna Input Power

Antenna Input Power times Vertical Power Gain equals Vertical ERP

1.33 kW Times V Gain 3.257 equals 4.33 kW V ERP

Maximum Value of the Vertical Component squared times the Maximum ERP equals the Vertical ERP

(0.95)^2 Times 4.80 Equals 4.33 kW Vertical ERP

NOTE: Calculating the ERP of the Vertical Component by two methods validates the total power gain calculations