TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
ABG GEORGIA LICENSES, LLC
RADIO STATION WCGQ(FM)
COLUMBUS, GEORGIA
CH 297C0 100 KW 307 M

Technical Statement Regarding Correction of Coordinates

This Technical Statement has been prepared on behalf of ABG GEORGIA LICENSES, LLC (herein "ABG"), licensee of FM station WCGQ, channel 297C0, Columbus, Georgia. This purpose of this application is to notify the Commission of a minor correction to the transmitter site coordinates. Because of the coordinate correction, there is also a slight correction (1 meter) in the base elevation of the tower on which the WCGQ antenna is mounted. The FAA has been notified of the corrections and has issued a Determination of No Hazard based on the corrected information. The antenna structure registration (ASR) for the tower has been corrected; the ASR number is 1037019, which remains unchanged. Since there is no actual change in the operating parameters of the station, there should be no other changes to the station's license.

A comparison of the pertinent station parameters before and after correction is provided in the table below.

Parameter	Value Prior to Correction	Corrected Value
Geographic Coordinates (NAD '27)	32° 27' 59" N 85° 03' 23" W	32° 28' 00" N 85° 03' 20" W
Site Elevation AMSL	190 m	189 m
Antenna Elevation AGL	228 m	228 m
Antenna Elevation AMSL	418 m	417 m
Antenna HAAT	308 m	307 m

Since the change in the geographic coordinates is three seconds or less of latitude and longitude, pursuant to 73.1690(b)(2), and since the elevation of the antenna above mean sea level is only reduced by 1 meter, it is believed that these minor changes can be accomplished by means of this license application. The antenna elevation remains the same above ground level, but is reduced by one meter above mean sea level; thus, the

change complies with 73.1690(c)(1). There is no change in ERP or TPO since the facility remains unchanged. The site, as corrected, is fully-spaced to all other FM stations and allotments, as is shown on the attached Figure 1. The predicted 70 dBu contour remains nearly unchanged and encompasses all of Columbus, Georgia, the community of license.

Environmental Considerations

WCGQ makes use of an 8-bay, ERI SHP-8AC antenna. The antenna operates with circular polarization with a maximum effective radiated power of 100 kW in both the vertical and horizontal planes. The antenna is side-mounted at 228 meters (748 feet) above ground level on its supporting tower structure (ASR#1037019). A vertical plane radiation pattern for the antenna is attached to this statement in the Appendix. As can be seen from the vertical plane radiation pattern, the antenna relative field factor is less than 0.31 at all angles greater than 6 degrees below the horizontal. Using a "worst-case" relative field factor of 0.31, a maximum ERP of 200 kW (100 kW horizontal/100 kW vertical) and Equation 8 on page 22 of OET Bulletin 65 (Edition 97-01, August 1997), the predicted radiofrequency radiation level at 2 meters above ground level at the tower base is predicted to be 0.0126 mW/cm^2 or 6.3% of the FCC limit for uncontrolled environments.

There is one other licensed broadcast transmitter on the tower, the antenna for Class A television station WYBU-CA, Channel 16, Columbus, GA. WYBU-CA's antenna is located with radiation center at 105 meters (345 feet) above ground level. WYBU-CA operates with 8.2 kW ERP from a horizontally polarized antenna. Even if we assume that all 8.2 kW of power is radiated downward toward the tower base, the station's contribution to the overall electromagnetic power density is only 0.346 mW/cm^2 or 10.7 percent of the FCC guidelines. The predicted contribution of each of these stations to the overall radiofrequency radiation environment is summarized in the following table:

Call Sign	Service	Total ERP (H&V, kW)	Relative Field	Antenna Height AGL (meters)	Percent of Uncontrolled Limit
WCGQ	FM	200	0.31	228	6.3
WYBU-CA	CA	8.2	1	105	10.7
Total (sum of above contributions)					17.0

There is one other broadcast transmitter authorized at the site, the auxiliary antenna for FM station WKCN, channel 257C2, Lumpkin, Georgia, also an ABG station.

Although not yet operational, WKCN is authorized for use of a 7-bay ERI antenna with radiation center at 100 feet AGL and ERP of 3.5 kW with circular polarization. Based on a seven-bay ERI antenna vertical radiation pattern, attached to this statement in the Appendix, the worst-case downward relative field at all angles greater than 10 degrees below the horizontal is 0.32. Using a "worst-case" relative field factor of 0.32, a maximum ERP of 7 kW (3.5 kW horizontal/3.5 kW vertical) and Equation 8 on page 22 of OET Bulletin 65 (Edition 97-01, August 1997), the predicted radiofrequency radiation level at 2 meters above ground level at the tower base is predicted to be 0.0306 mW/cm^2 or 15.3% of the FCC limit for uncontrolled environments. Combined with the predicted 17.0% contribution from the operating broadcast stations, the additional 15.3 percent from the potential future WKCN auxiliary facility would still bring the total predicted RFR level at the tower base to only 32.3% of the FCC limit for uncontrolled environments.

ABG Georgia, LLC has two broadcast auxiliary transmitting antennas on a nearby auxiliary tower, and there are microwave and two-way communications antennas on other towers further away. Due to the relatively low power and highly directional nature of these other facilities they are not expected to contribute significantly to the overall radiofrequency radiation environment at the WCGQ tower site. Therefore, it is concluded that station WCGQ complies with the maximum permissible FCC limits for human exposure to RF radiation including its contribution to the overall radiofrequency radiation level at the site.

ABG certifies that access to the tower is restricted by means of a fence and that appropriate warning signs are in place. It also certifies that it will reduce power or cease operation, as necessary and in cooperation with other users of the tower, to protect persons having access to the tower from RFR exposure in excess of the FCC guidelines.

David E. Dickmann
Technical Consultant

January 17, 2007

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, Florida 34237
941-329-6000

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
ABG GEORGIA LICENSES, LLC
RADIO STATION WCGQ(FM)
COLUMBUS, GEORGIA
CH 297C0 100 KW 307 M

Job Title: WCGQ Corrected Coordinates — Separation Buffer: 32 km
Channel: 297 C0 — Coordinates: 322800 0850320

Call Id	City St	Status	File Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. (km)
WMXA 22877	OPELIKA AL	LIC C	BLH 19980112KC	244 A 96.7	3.500 131	N	32-33-54 085-22-13	N	290.4	31.52	25.0
0	AMERICUS GA	VAC C	RM 11046	295 A 106.9	0.000		32-04-51 084-15-20		119.5	86.67	86.0
WFXM 25387	GORDON GA	CP C	BPH 20020326AAX	296 A 107.1	3.000 143	N	32-50-59 083-28-38	N	73.5	154.04	152.0
WFXM 25387	GORDON GA	APP C	BLH 20061016AEC	296 A 107.1	3.000 143	N	32-50-59 083-28-38	N	73.5	154.04	152.0
WFXM 25387	GORDON GA	APP C	BMPH 20061114AAG	296 A 107.1	3.000 142	N	32-50-55 083-28-29	N	73.6	154.24	152.0
WFXM 25387	GORDON GA	LIC C	BMLH 19900130KD	296 A 107.1	2.250 165	N	32-51-43 083-21-56	N	74.0	164.48	152.0
WTSH-FM 7043	ROCKMART GA	CP C	BPH 20060919AAP	296 C2 107.1	49.000 153	N	34-09-08 084-53-16	Y	4.7	187.59	176.0
WTSH-FM 7043	ROCKMART GA	LIC C	BLH 19921001KC	296 C2 107.1	45.000 158	N	34-15-03 084-59-05	N	1.9	197.99	176.0
0	ARAGON GA	ADD C	RM 11229	296 C1 107.1	0.000		34-22-02 084-58-33		2.0	210.92	196.0
WTLY 61250	THOMASVILLE GA	LIC C	BLH 20001010AAZ	296 C1 107.1	100.000 251	N	30-35-12 084-14-11	Y	159.4	222.49	196.0
WYCL 63931	PENSACOLA FL	LIC C	BLH 19880913KB	297 C 107.3	100.000 429	N	30-42-20 087-24-09	N	229.2	296.23	281.0
WWGF 78706	DONALSONVIL GA	LIC C	BLH 19990426KA	298 A 107.5	6.000 96	N	30-58-45 084-57-27	N	176.8	165.19	152.0
WJZZ-FM 31872	ROSWELL GA	LIC C	BLH 20051007ACN	298 C3 107.5	21.500 110	N	33-55-54 084-20-43	N	21.9	175.46	163.0

Job Title: WCGQ Corrected Coordinates Separation Buffer: 32 km
Channel: 297 C0 Coordinates: 322800 0850320

Call Id	City St	Status	File Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. (km)
WTIF-FM 63841	OMEGA GA	LIC C	BLH 20051202AAT	298 A 107.5	4.000 122	N	31-27-17 083-33-37	Y	128.2	180.48	152.0
WEGC 40463	SASSER GA	LIC C	BLH 19950825KC	299 C3 107.7	11.500 95	N	31-38-42 084-21-15	Y	143.9	112.64	87.0
0	SHORTER AL	RSV C	RM rfs15*	300 C3 107.9	0.000		32-21-49 085-59-48		262.9	89.26	87.0
WJAM-FM 59383	SHORTER AL	CP C	BPH 20060130AOP	300 C3 107.9	25.000 100	Y 72663	32-21-54 086-07-39	Y	263.9	101.46	87.0

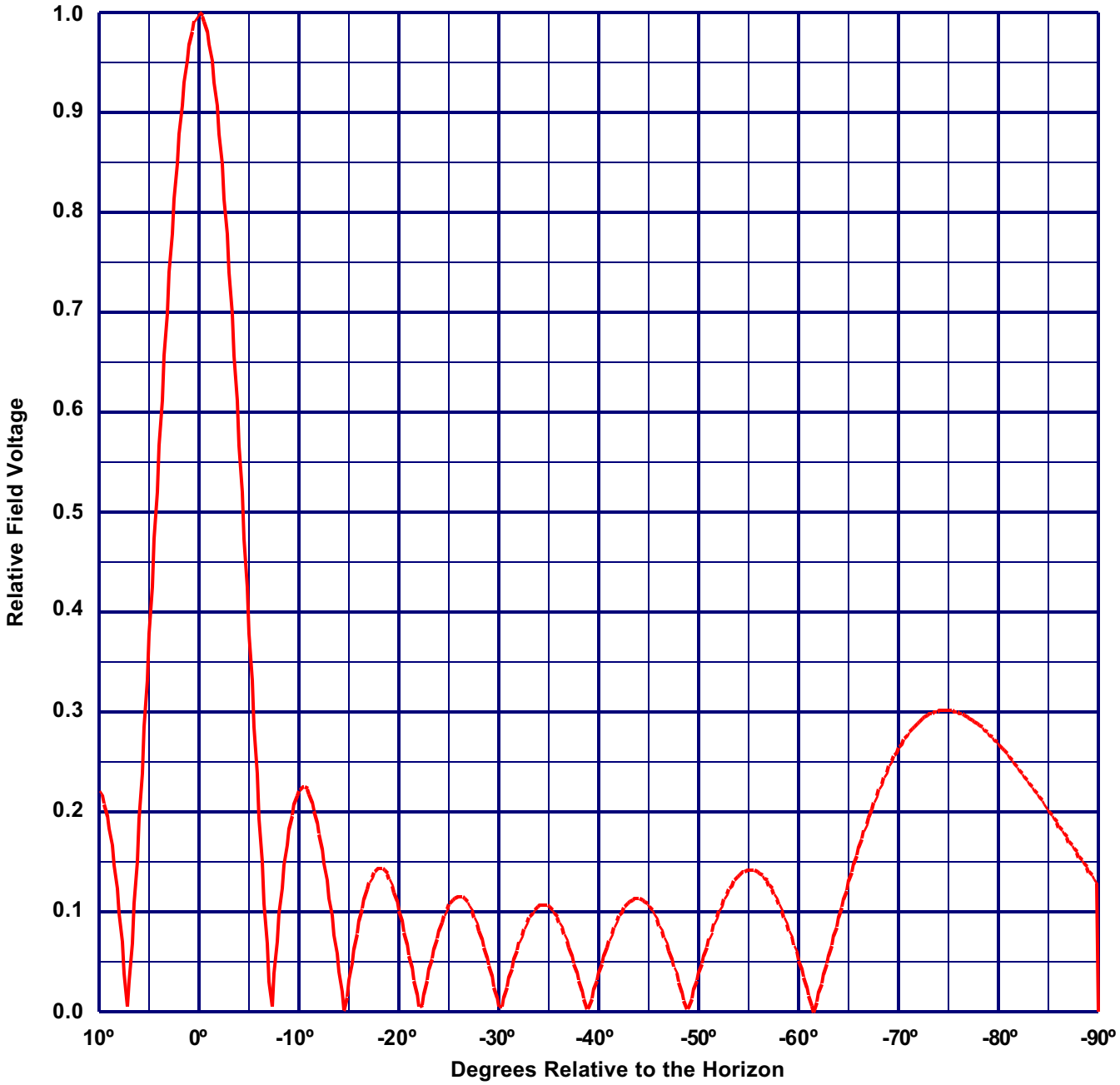
APPENDIX – ANTENNA VERTICAL RADIATION PATTERNS
(two *pages follow*)

Vertical Plane Relative Field Pattern

ERI TYPE SHP, SHPX, MP, MPX, LP OR LPX ELEMENTS

An 8 level, 1 wave-length spaced non directional antenna

with 0° beam tilt, 0% null fill and a H/V maximum power ratio of 1.000



Vertical Polarization Gain:	Horizontal Polarization Gain:
Maximum: 4.487 (6.520 dB)	Maximum: 4.487 (6.520 dB)
Horizontal Plane: 4.487 (6.520 dB)	Horizontal Plane: 4.487 (6.520 dB)

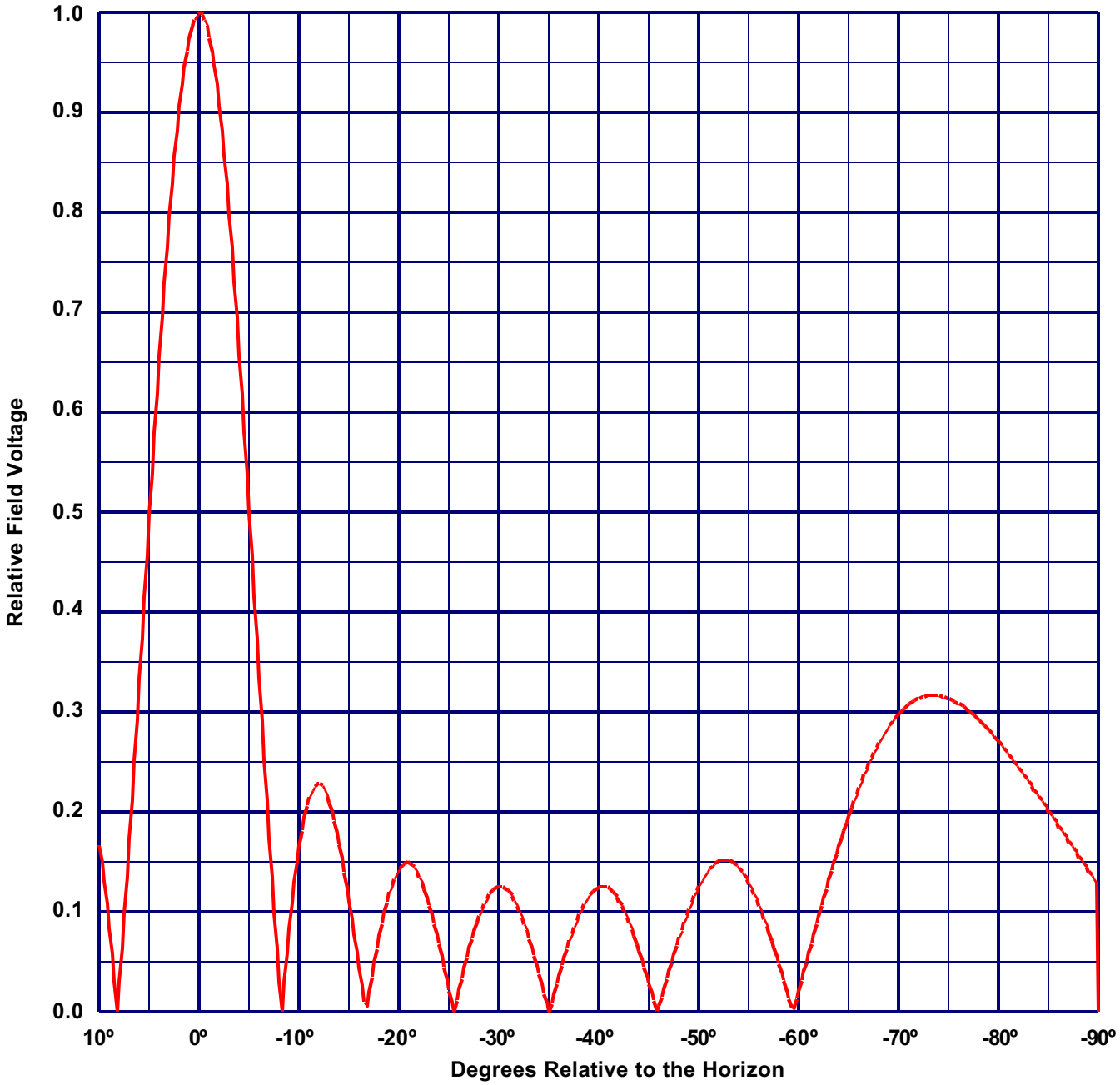
Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47601 Phone: (812) 925-6000 Fax: (812) 925-4030 http://www.eriinc.com/

Vertical Plane Relative Field Pattern

ERI TYPE SHP, SHPX, MP, MPX, LP OR LPX ELEMENTS

A 7 level, 1 wave-length spaced non directional antenna

with 0° beam tilt, 0% null fill and a H/V maximum power ratio of 1.000



Vertical Polarization Gain:	Horizontal Polarization Gain:
Maximum: 3.893 (5.903 dB) Horizontal Plane: 3.893 (5.903 dB)	Maximum: 3.893 (5.903 dB) Horizontal Plane: 3.893 (5.903 dB)

Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47601 Phone: (812) 925-6000 Fax: (812) 925-4030 http://www.eriinc.com/