TECHNICAL STATEMENT
CONCERNING THE APPLICATION
OF EXTREME GRACE MEDIA
K227BL – ANAMOSA, IA
FOR AUTHORITY TO CONSTRUCT
FILL-IN TRANSLATOR SERVICE FOR
KMRY (AM) – CEDAR RAPIDS, IA

Ch. 227D (93.3 MHz) 0.25 KW (H&V) 13.1 M

September 5, 2010

George Nicholas Communications – 3101 Falcon Ct. NE - Cedar Rapids, IA 52402
Office: (319) 395-9188

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This Technical Statement supports the application of Extreme Grace Media, for authority to construct fill-in translator transmitting facilities for KMRY (AM) (FCC Facility ID 17697), Cedar Rapids, IA.

This application proposes a minor change of existing licensed translator K227BL, (FCC ID 145166) Anamosa, IA. It is proposed to operate on Channel 227, (93.3 MHz) an effective radiated power of 0.25 KW and antenna height above average terrain of 18 meters, (272 meters above Mean Sea Level).

The NAD 27 geographic coordinates of the site are:

North Latitude: 42-02-40.6
West Longitude: 91-34-35.3

It is proposed to side-mount a 2-bay non-directional antenna near the top of the existing tower. The ground elevation at this site is 259 meters above mean sea level (AMSL). The center of radiation for the proposed antenna will be 13 meters above ground level (AGL) and 272 meters AMSL. The antenna radiation center will be 18 meters above the average elevation of the surrounding terrain, based on N.G.D.C. 30-second linearly interpolated database and 12 radials.

The proposed antenna location results in no short-spacing under 73.207.

There are no FM, AM or TV broadcast stations within 3 KM of the proposed site.

The 115 dBu blanketing contour for the proposed E.R.P. of 0.25 KW (H&V) extends 0.20 KM from the site. The applicant recognizes its responsibility to remedy complaints of blanketing interference as required by Section 73.318 of the FCC Rules.

Although no adverse electromagnetic interference is expected, the applicant recognizes its responsibility to correct problems that result from its proposed operation.

The proposed FM facility was evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with

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OST Bulletin No. 65, Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation. The calculated power density at ground level was calculated using OST-65 and assumes worst-case power density just below the FM antenna.

The proposed operation, assuming an ERP of 0.25 KW (H & V) 2-bay, full-wave spacing, 13 meters distance and location approximately 3 meters from the tower base, the calculated RFR density of 92.5 microwatts/cm-squared, which is 9.2% of the Commission's recommended limit of 1000 microwatts/cm-squared for FM frequencies in the controlled environment, and 46.2% of the Commission's limit of 200 microwatts in the non-controlled environment, well within maximum limits.

A policy will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

In addition, it appears that the existing tower is otherwise excluded from environmental processing as it complies with all the criteria for exclusion in Section 1.1306.

If there are any questions concerning this Technical Statement, please contact the office of the undersigned.

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