

Call letters: KYFS(FM).C
City of License: San Antonio, TX
Channel: CH215C1 (90.9 MHz)
File No: LMS(CP)-0000216526
Facility ID: 5115
Applicant: Bible Broadcasting Network, Inc.

Explanation of FM License to Cover Filing and Compliance with Special Operating Conditions or Restrictions

In this instance, no physical change to the current Jampro Model JHPC-6DA directional antenna has taken place. As a result, no change to the underlying Directional Antenna Proof of Performance; Engineer's Affidavit; or Surveyor's Certification as originally submitted in BLED-19941102KA/BLED-20140723ACS has taken place as well. This LMS(CP)-0000216526 Construction Permit simply proposed a correction in the antenna COR and AMSL heights beyond the +2 meter / -4 meter permitted thresholds of 47 C.F.R. Section 73.1690(c)(2). Pursuant to continued compliance with 47 C.F.R. Section 73.316(c)(2)(ix)(A); an 85% RMS Threshold Showing between the LMS(CP)-0000216526 Construction Permit Composite Pattern and BLED-19941102KA/BLED-20140723ACS Directional Proof of Performance Measured Pattern has been submitted herein. All former directional antenna certification showings from BLED-19941102KA/BLED-20140723ACS have been resubmitted herein.

1. The applicant certifies coordination with other users of the site to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

2. The applicant acknowledges it previously specified use of a Jampro Model JHPC-6DA (EPA Type 2, Opposed 'V' dipole), six-sectioned antenna with one wavelength bay spacing to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. As no other type or size of antenna has been used with the facilities authorized herein, the automatic program test provisions of 47 C.F.R. Section 73.1620 continue to apply. In this case, no formal request for Program Test Authority need be filed in conjunction with this FCC License to Cover Application, nor are any further RF field showings required.

3. The applicant certifies the relative field strength of neither the measured horizontally nor vertically polarized radiation component exceeds at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit. In this instance, a relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power: 100.0 kilowatts. The principal minima and their associated field strength limits as follows: 20 to 40 degrees True: 50 kilowatts. (See Attached Antenna Proof of Performance from BLED-19941102KA)

2. While not specifically a special condition/restriction on this Construction Permit, the applicant still certifies it has submitted the results of a complete proof-of-performance establishing the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance has been accomplished using either the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. The applicant has submitted engineering exhibits herein including a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration. (See Attached Antenna Proof of Performance from BLED-19941102KA)

3. While not specifically a special condition/restriction on this Construction Permit, the applicant certifies it has submitted a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification includes a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination. (See Attached Surveyor's Certification from BLED-19941102KA)

4. While not specifically a special condition/restriction on this Construction Permit, the applicant certifies it has submitted an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This declaration includes a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and lists the qualifications of the certifying engineer. (See Attached Engineer's Affidavit from BLED-19941102KA)