

ENGINEERING STATEMENT

Iglesia Evangelica Apostoles Y Profetas Nazareth, Inc. ("Permittee") proposes this minor modification to K284BX to specify a change in antenna location antenna height above ground (AGL) change in ERP, change in COL and a change in frequency to 104.5 MHz (channel 283). A form 350 application for license to cover construction authorized under BNPFT-201308189AAZ as completed was filed on August 5, 2014 and given FCC file number: BLFT-20140805ACV. That application withstanding, the current proposal is a minor change for K284BX. Note, K284BX proposed to operate on now first adjacent channel 283.

Note: K284BX proposes fill in status as it will serve that purpose for station KHOT-HD3 at Conroe, Texas. All of the proposed 60 dBu of K284BX lies within the 60 dBu (50/50) contour of KHPT-HD3.

K284BX proposes use of an omni-directional two bay (Jampro JLCP-2) antenna. KAMA-FM (FCC ID: 57806)(Channel: 289C3) at Deer Park, Texas and KRBE (FCC ID: 19091) (Channel 293C) at Galveston, Texas are both second adjacent-channels to the proposed facilities of K284BX. The 60 dBu F50,50 service contours of both KAMA-FM and KRBE extend well beyond the proposed K284BX transmitter site. The applicant proposes to utilize the well-established *Living Way Ministries* ("LWM") Methodology to show no actual interference will result to any population. No objectionable interference is predicted to exist to either KAMA-FM or KRBE. The applicant respectfully seeks a waiver of Section 74.1204 of the rules for this second and third adjacent-channel protection showing.

KAMA-FM

The facilities of KAMA-FM are located 38.1 km distant from the proposed K284BX facilities on a bearing from the proposed facility of 341.6° T. The F50,50 signal strength from KAMA-FM at the proposed K284BX transmitter site is 61.38 dBu. Using the 40:1 signal ratio in LWM methodology and the Section 74.1204 undesired-to-desired ratio the protected signal necessary at the proposed K284BX site is 101.38 dBu. With the proposed non-directional power of 0.157 kW, (250 watts), the proposed intersection of the two signals will occur 52.842 feet (<0.10 km) from the proposed K284BX antenna well above ground. Therefore, no prohibited interference will occur from the proposed K284BX operation.

KRBE-FM

The facilities of KRBE are located 48.6 km distant from the proposed K284BX facilities on a bearing of 293.5° T. The 60/60 signal strength from KRBE at the proposed K284BX transmitter site is 78.062 dBu. Using the 40:1 signal ratio in LWM methodology and the Section 74.1204 undesired-to-desired ratio the protected signal necessary at the K284BX is 126.50 dBu. With the proposed non-directional power of 0.250 kW, (250 watts), the proposed intersection of the two signals will occur 17.832 feet (<0.10 km) from the proposed K284BX antenna well above ground. Therefore, no prohibited interference will occur from the proposed K284BX operation. The interfering signal level will not reach any point at ground level or at 2 meters above ground level. With the proposed K284BX radiation centerline at 457 meters AGL, the clearance is at least 40 meters. Therefore, KRBE and KAMA-FM are adequately protected by the proposed facility. The result is that, pursuant to Section 74.1204(d) of the FCC Rules, KHCB-FM and KOVE-F are adequately protected by the proposed facilities of K284BX.

PROTECTION TO KKMY and KBYC

KKMY and KBYC

There are two full power allocation worthy of study in the instant application: KBYC (FCC ID: 171258) (Channel: 283A) at Markam, Texas and KKMY (FCC ID: 62239) (Channel 283C1) at Orange, Texas. As a co-channel operations, the 60 dBu (50/50) contours of KKMY and KBYC require protection from the proposed 40 dBu (50/10) contour of the proposed K284BX operation. As shown in Exhibit EE-1, the proposed 40 dBu contour of K284BX does not violate the protected contour of either KBYC or KKMY..

Proposed LPFM Facilities

Only one proposed LPFM facility is near enough to the proposed K284BX facility to warrant study. That proposed facility is: BNPL - 20131112AUS (FCC ID: 194591) at Houston, Texas. The proposed facilities of K284BX are located 44.11 km on a bearing of 132.6° T from the 193962 proposed facilities which places the proposed facilities as fully spaced to the proposed 193962 per Section 73.307(a)(1) of the rules.