

## **KING-FM Auxiliary License Application**

### **Special Operating Conditions**

- A) Spurious Emissions Measurements  
See attached report titled "Entercom Seattle Cougar Mountain Auxiliary Facility Measurement of Cross-Modulation Products", dated September 19, 2001.
- B) Directional Antenna Proof of Performance  
See attached report from Shively Labs.
- C) Affidavit From Licensed Surveyor  
See attached affidavit of Mr. Nick A. Yinger, P.L.S., Director of Surveying for D.R. Strong Consulting Engineers, Inc. Mr. Yinger certifies that the tower was oriented correctly per the instructions of Shively Labs. The individual panel antenna bays are mounted parallel with the tower faces; thus correct orientation of the tower establishes correct orientation of the antenna bays.
- D) Affidavit From Engineer  
See attached affidavit of Mr. Clay Freinwald, Senior Facilities Engineer for Entercom Communications. Mr. Freinwald oversaw the installation of the panel antenna, which is owned by Entercom. While Mr. Freinwald's affidavit specifically references the KQBZ-FM auxiliary antenna, his affidavit pertains equally to all of the FM auxiliary facilities utilizing this common antenna, the KING-FM auxiliary.
- E) RFR Measurements  
See attached report titled "Electromagnetic Field Measurements - Entercom Cougar Mtn Site", dated August 17, 2002.



# **D.R. STRONG Consulting Engineers Inc.**

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February 24, 2000

99235.200

Clay Freinwald  
Entercom-Seattle  
1820 Eastlake Avenue East  
Seattle, WA 98102

**Re: Cougar Mountain Antenna Orientation**

Dear Mr. Freinwald and Interested Parties:

I hereby certify by this letter that the Entercom-Seattle Cougar Mountain Tower is oriented such that a line perpendicular to the Northwest face bears 340 degrees true and a line perpendicular to the Southwest face bears 220 degrees. This orientation is based upon information supplied to me from the Shively Labs, as a result of their range testing of the antenna, so as to produce the minimum, as described in Section 4 of the applicable Construction Permits.

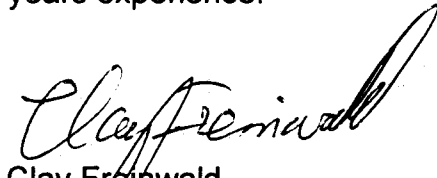
Sincerely yours,  
D. R. STRONG Consulting Engineers Inc.

Nick A. Yinger, P.L.S.  
Director of Surveying  
Washington Certificate #19586

On October 10<sup>th</sup>, 1999 under my supervision, the auxiliary antenna for KQBZ(FM) Seattle was installed on the tower and aligned in accordance with the antenna manufacturers specifications in order to produce the directional antenna pattern specified in the construction permit BPH-990528IG.

It is the belief of the undersigned that the KQBZ(FM) auxiliary antenna is correctly installed and oriented so as to produce the directional pattern specified in the construction permit application.

This work was conducted under my supervision and within my scope of understanding and expertise. I certify that I am a qualified radio engineer of 38 years experience.

A handwritten signature in black ink, appearing to read "Clay Freinwald", with a large, stylized flourish extending from the end of the name.

Clay Freinwald  
Senior Facilities Engineer  
Entercom-Seattle  
August 25, 2000