

**KONQ
Dodge City, Kansas
Special Temporary Authority
Engineering Statement**

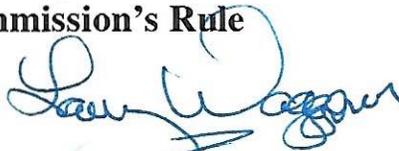
Dodge City Community College is requesting Special Temporary Authority to operate KONQ (FM) from the KDCC (AM) site in Dodge City, Kansas, as approved in construction permit BPED-19920504MI, issued on February 10, 1994.

A current FM Spacing Study showed two close spaced co-channel stations, KWBI, licensed to Great Bend, KS and KZGC-FM, licensed to Garden City, KS. The closest spacing of contours towards KWBI was a clearance of 24 kilometers. KZGC was not licensed back in 1994, when the KONQ construction permit was issued. (The FM Spacing Study is attached to this statement.)

To protect the KZGC contours and to bring the KONQ-FM STA into compliance of the current Part 73.509 of the Commission's Rules, the effective radiated power of the station will be reduced to 1,790 watts. The 1,790 watts level was obtained from a Maximum Effective Radiated Power study that is attached to this statement.

The requested KONQ operation parameters are also attached to this statement. The KONQ antenna and transmission line are already installed on the KDCC (AM) #1 tower (ASR# 10331543).

Operation of KONQ-FM, as requested in the Special Temporary Authority filing, will fully protect the operating contours of KZGC and will be in compliance with the Commission's Rule



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VHF Low Band FM, Maximum Effective Radiated Power
For KONQ, at 37-47-14 100-01-55 Rad Ctr: 840 meters AMSL
Based on 1 degree study near direct line between sites
with data stored at nearest 5 degree azimuth.

Azimuth	Max ERP	Station	Contour	KONQ	
230	82.1	KZGCFM	40	60	F(50,10)
235	19.8	KZGCFM	40	60	F(50,10)
240	10.0	KZGCFM	40	60	F(50,10)
245	5.8	KZGCFM	40	60	F(50,10)
250	4.2	KZGCFM	40	60	F(50,10)
255	3.1	KZGCFM	40	60	F(50,10)
260	2.3	KZGCFM	40	60	F(50,10)
265	2.4	KZGCFM	40	60	F(50,10)
270	2.4	KZGCFM	40	60	F(50,10)
275	3.6	KZGCFM	40	60	F(50,10)
280	3.8	KZGCFM	40	60	F(50,10)
285	3.6	KZGCFM	40	60	F(50,10)
290	3.1	KZGCFM	40	60	F(50,10)
295	2.1	KZGCFM	40	60	F(50,10)
300	1.96	KZGCFM	40	60	F(50,10)
305	1.79	KZGCFM	40	60	F(50,10)
310	1.82	KZGCFM	40	60	F(50,10)
315	1.96	KZGCFM	40	60	F(50,10)
320	2.2	KZGCFM	40	60	F(50,10)
325	2.5	KZGCFM	40	60	F(50,10)
330	3.1	KZGCFM	40	60	F(50,10)
335	5.0	KZGCFM	40	60	F(50,10)
340	9.2	KZGCFM	40	60	F(50,10)
345	27.7	KZGCFM	40	60	F(50,10)

KONO S.T.A Operating Parameters

Antenna Coordinates:

N37 47' 14"

W100 01' 55"

Horizontally Polarized Antenna: Gates FM-11 4 Bay

Effective radiated power in the Horizontal Plane: 1,790 watts

Transmitter output power: 658 watts

Height of radiation center above ground (Meters): 44 meters

Height of radiation center above mean sea level: 840 meters

Height of radiation center above average terrain: 68 meters

Antenna structure registration number: 1033154