

BROADCAST WORKS!

Building Great Radio Stations

2122 Anthony Drive Tyler, Texas 75701
voice: 903.509.2470
fax: 903.509.0880

8-9-2005

AFFIDAVIT

I, David Allen, hereby declare that the following statements are true and correct to the best of my knowledge and belief:

- 1.) I am a senior engineer for Broadcast Works and have been employed for 10 years. I am familiar with the equipment and test procedures so undertaken.
- 2.) I have either prepared and/or directly supervised the preparation of all technical information contained in this Spurious Measurements Report.
- 3.) Broadcast Works has been requested by Infinity Broadcasting on behalf of Station KILT-FM in Missouri City, Texas to prepare this Spurious Measurements Report.

Reference: CP BXPB-20050214AAV, FCC 47 CFR 73.317(b) and (d).



David Allen; Senior Engineer

KILT-FM & KHJZ-FM spurious measurements

(Revised 10-6-03)

Located at: Missouri City, Texas

	<u>Subject Frequency (Mhz)</u>			<u>TPO</u>	<u>Transmitter</u>	<u>Notch Attenuation</u>	<u>Unmodulated Carrier Level (dB)</u>
	<u>Class</u>	<u>Call</u>	<u>Freq</u>	<u>KW</u>	<u>Model and serial</u>	<u>(dB)</u>	<u>"UCL" (dB)</u>
F1	C	KILT	100.3	21.5	CEC 816R-2B, sn759	-45.9	16.3
F2	C	KHJZ	95.7	21.5	CEC 816R-2B, sn758	-43.2	15.7

<u>Frequency Combination (Mhz)</u>	<u>Calculated Spur (Mhz)</u>	<u>Measured Spur Level (dB)</u>	<u>Main Carrier Ref (Mhz)</u>	<u>dB down (UCL - Measured Spur)</u>
2F1-F2	104.9	-89.9	F1	106.2
2F2-F1	91.1	-90.2	F1	105.9
2F1-F2	104.9	-89.6	F2	105.9
2F2-F1	91.1	-89.9	F2	105.6

Noise Floor (dB) -90

The signals were sampled at the output of the antenna combiner system at its nominal RF output. The measurements were made using a Techtronix 2712 Spectrum Analyzer, Ser #B010972 calibrated 7/30/01. Each fundamental frequency was attenuated using Microwave Filter Company model 6367 cavity notch filters tuned to each fundamental. Measured intermodulation products of the shared antenna system were at least 80 dB below the unmodulated carriers of the two stations.

A full spectrum scan up to 1 GHz was included.

Based on these measurements it is believed the stations are in compliance with 73.317 of the Commission's rules.

Broadcast Works Inc.
(903)-509-2470

Date: 8-10-05
Engineer: Dave Allen