

# Broadcast Site Management, LLC

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**FACILITIES MAINTENANCE – MANAGEMENT – CONSTRUCTION**

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## **Engineering Statement**

On June 17, 2019, at approximately 1100 hrs CDT, measurements were conducted on radio stations KYKZ, KKGB and KBIU, in Sulphur, Louisiana, for the purpose of determining compliance with Federal Communications Commission Rule 73.317, FM Transmission System Requirements.

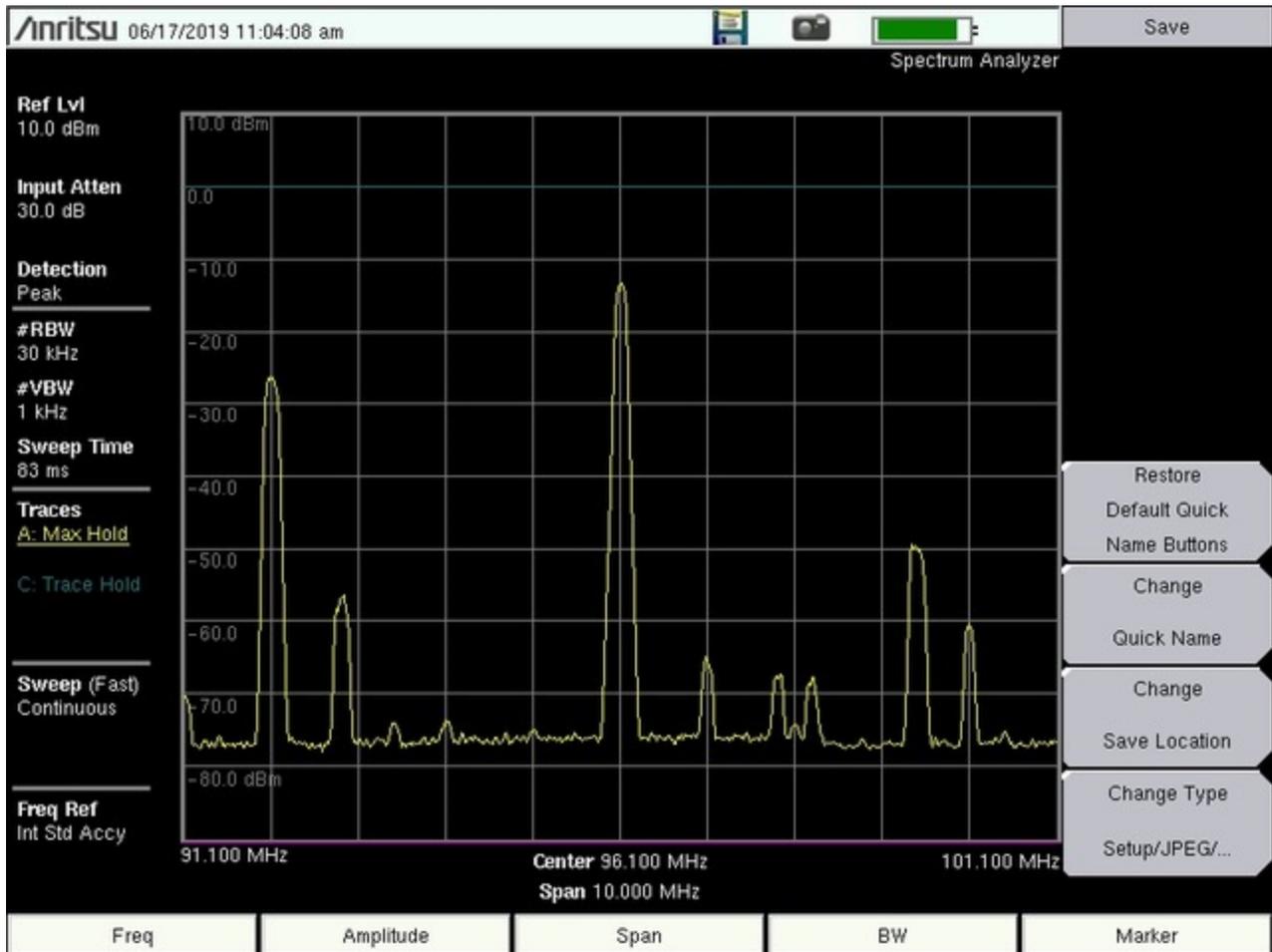
KYKZ and KKGB operate on 96.1 (Channel 241) and 101.3 mHz (Channel 267), respectively; and operate into a combined antenna system. KBIU operates on 103.1 mHz (Channel 277) into a separate directional antenna, located on the same tower.

Measurements were made using an Anritsu MS2720T spectrum analyzer, Serial no. 1617022, calibration date April 26, 2016. Measurements were made at a distance of approximately one mile from the station's transmitter site. Per Rule 73.317, measurements were made for any spurious emissions at between 120 kHz and 240 kHz either side of the station's operating frequencies. Additional measurements were made at between 240 kHz and 600 kHz either side of each station's the carrier frequencies. No spurious emissions were noted. Measurements were then made at the fifth, seventh, eighth and ninth harmonic frequencies of the station's operating frequency. Again, no spurious signals were present. A scan of the spectrum, up to and including 940 mHz, was made to look for any other spurious emissions from each station's transmission system; and, none could be found.

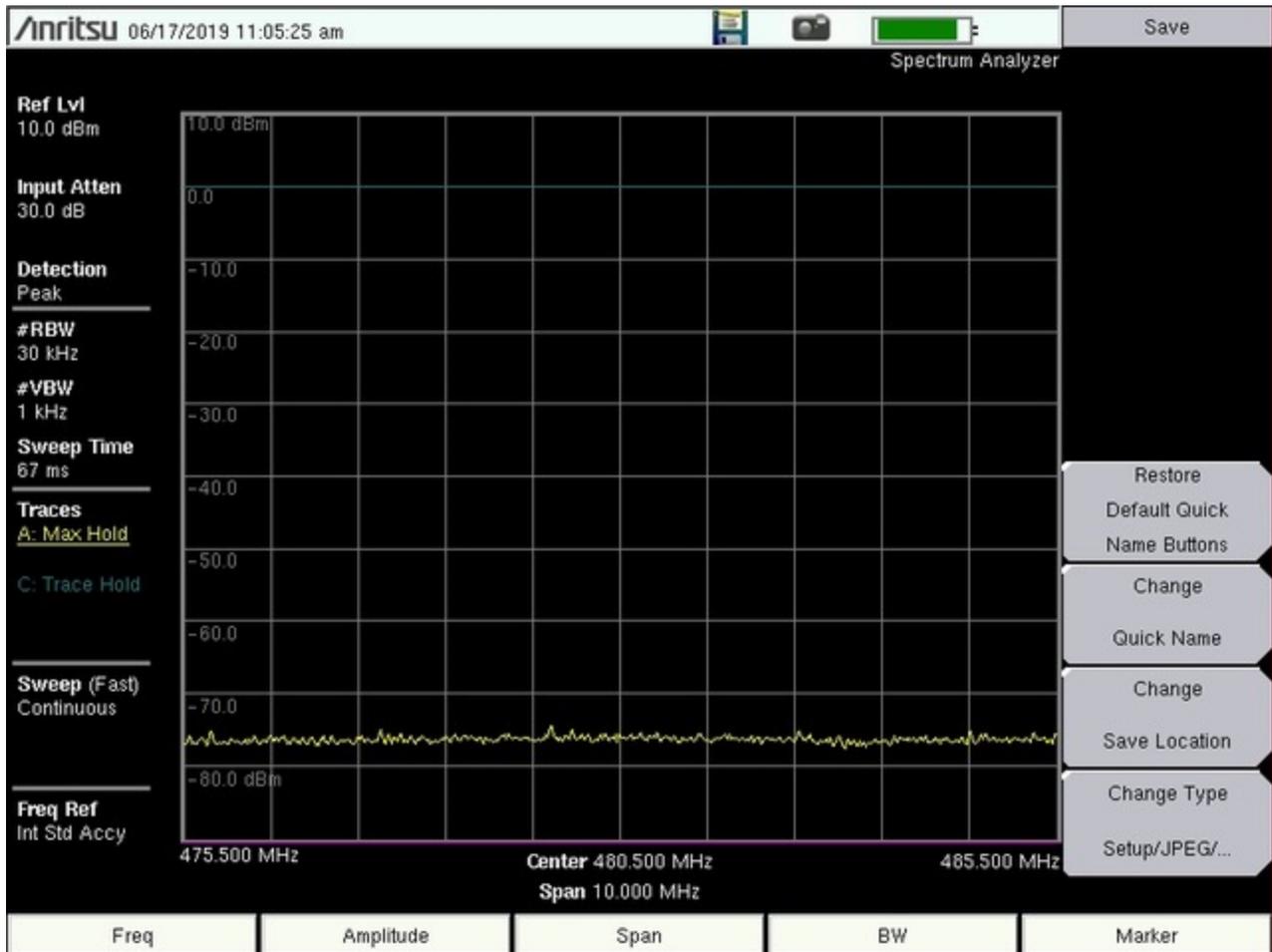
Pre-emphasis is less than 75 microseconds.

Based on the measurements conducted; the transmission systems of KYKZ, KKGB and KBIU are in compliance with FCC Rule 73.317.

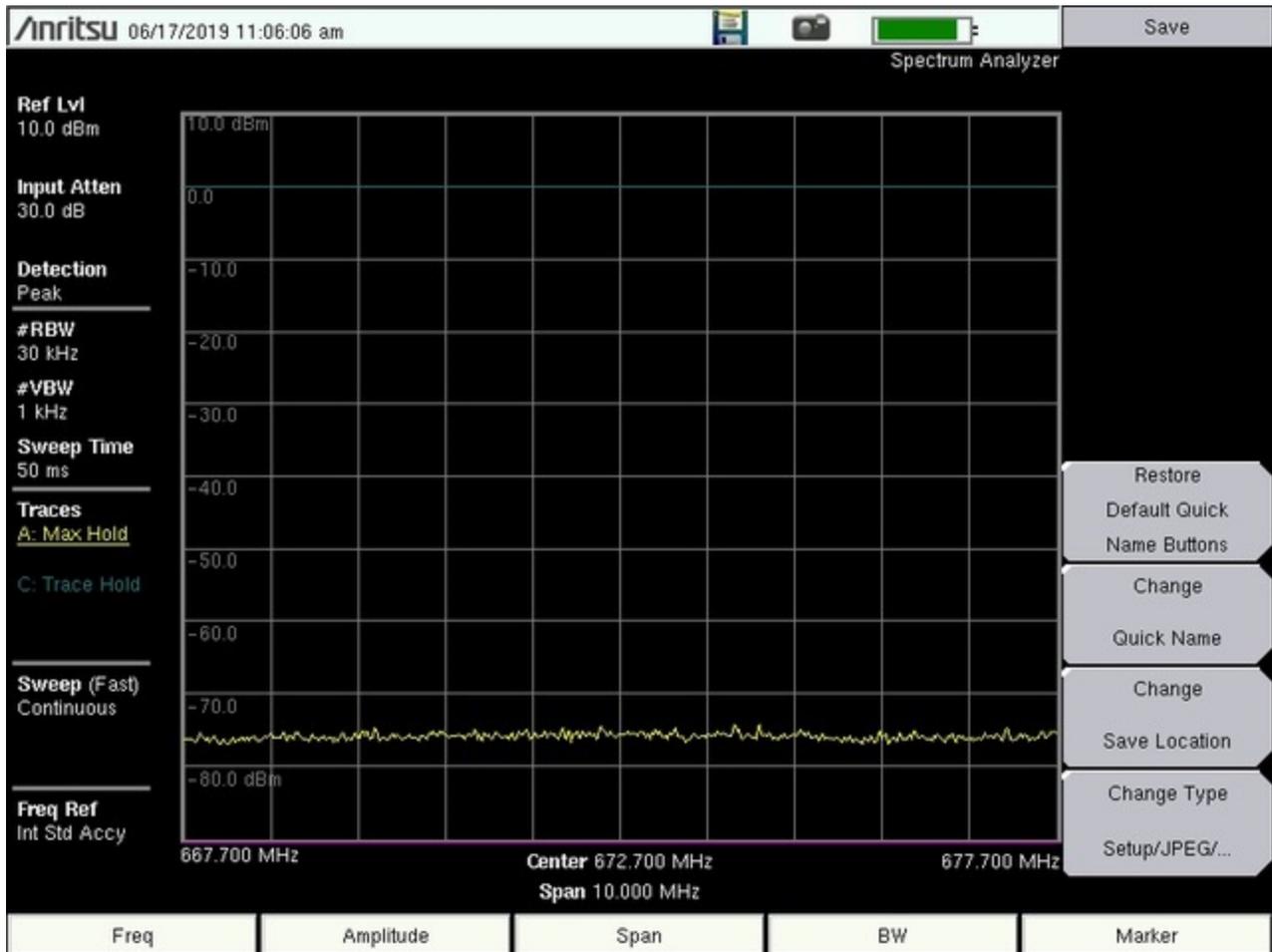
George A. Schank, CPBE, SBE  
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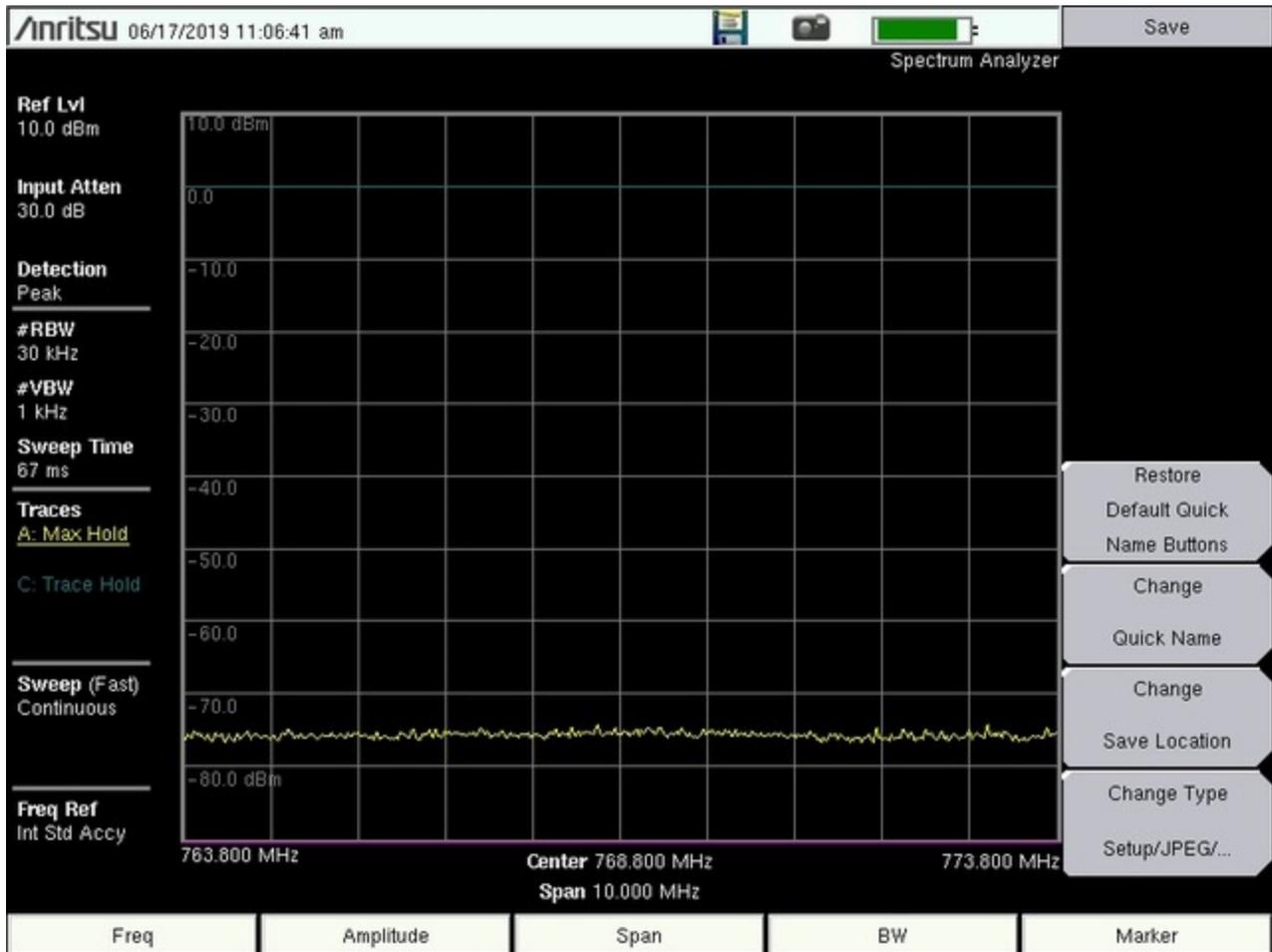
KYKZ 96.1 MHz  
Occupied Bandwidth Measurement



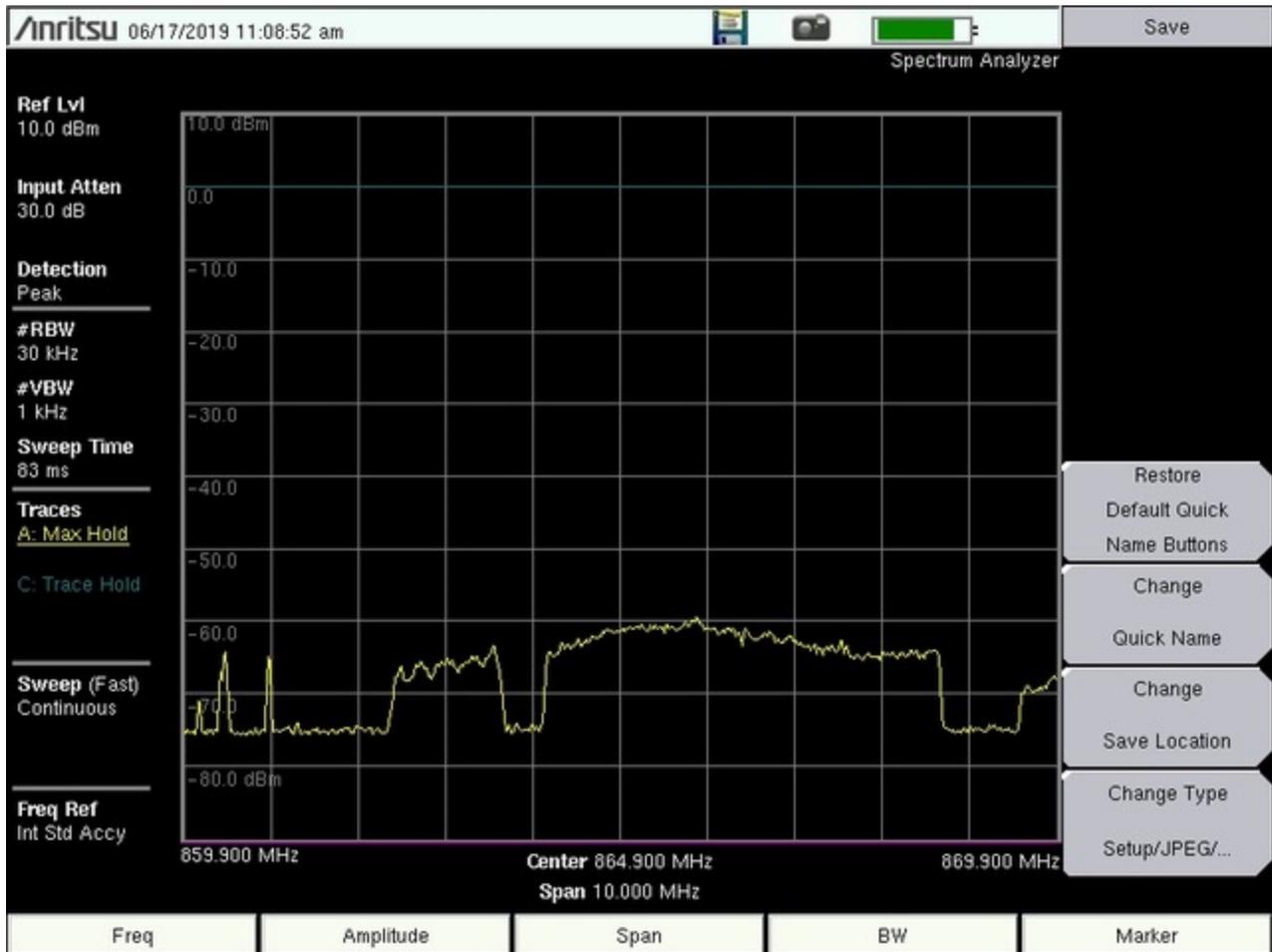
KYKZ 96.1 MHz  
5<sup>th</sup> Harmonic Measurement



KYKZ 96.1 MHz  
7<sup>th</sup> Harmonic Measurement



KYKZ 96.1 MHz  
8<sup>th</sup> Harmonic Measurement



KYKZ 96.1 MHz  
9<sup>th</sup> Harmonic Measurement