



**REPORT OF INTERMODULATION  
&  
HARMONIC CONTENT  
PRODUCT FINDINGS  
FORT MYERS COMBINED  
FM BROADCASTING SYSTEM  
FORT MYERS FLORIDA**

**June 2016**

**Introduction :** This report of findings is based on data collected relating to the W251BF - 94.1mc radio and W247AQ - 97.3 mc radio stations in Fort Myers, Florida. The report includes measurements which show that the combined operation of the two combined FM radio transmitters are in compliance with 47 CFR §73.317 of the Federal Communications Rules and Regulations. These stations are diplexed together in to a common antenna system and associated feed line.

**Discussion :** Using an Anritsu MS-2713E Spectrum Analyzer, attenuation accessories, and installed sample couplers in the Bext combiner, a series of measurements were taken with both systems operating at their authorized power (as indicated in their permits) The measurements were conducted on June 30th, 2016.

The data and on-site measurements find that with both of these licenses operating at full authorized power, there are no harmonic or spurious emissions emanating from the antenna system Therefore, both of the stations are in compliance with 47 CFR Sections 73.317(b) through 73.317(d) of the Commissions rules.

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**Certification :** All measurements were taken by or under the supervision of Gary A. Minker, President of Radio Works R.F. Consulting of Lake Worth, Florida. I have a valid Federal Communications Commission General Radiotelephone license, PG-7-13549, dated 11/06/86. I have been active in broadcast engineering since (1976).

Signed : Gary A. Minker

Date: 6/30/2016

Gary A. Minker  
Radio Works R.F. Consulting  
Titusville, Florida

#### TESTING CERTIFICATION:

**Certification :** All measurements were taken by or under the supervision of Gary A. Minker, President of Radio Works R.F. Consulting of Lake Worth, Florida. I have a valid Federal Communications Commission General Radiotelephone license, PG-7-13549, dated 11/06/86. I have been active in broadcast engineering since (1976).

#### TESTING EQUIPMENT;

Anritsu spectrum analyzer Model MS2713E  
Tele-wave sample section  
Various cables  
Stepped attenuator

All equipment is in good repair and had valid calibration certificates where required.

Due care and best efforts are utilized during all measurement and diagnostic endeavors.

Signed : Gary A. Minker

Date: 6/30/16

Gary A. Minker  
Radio Works R.F. Consulting  
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