WRTS 103.7 WRKT 104.9

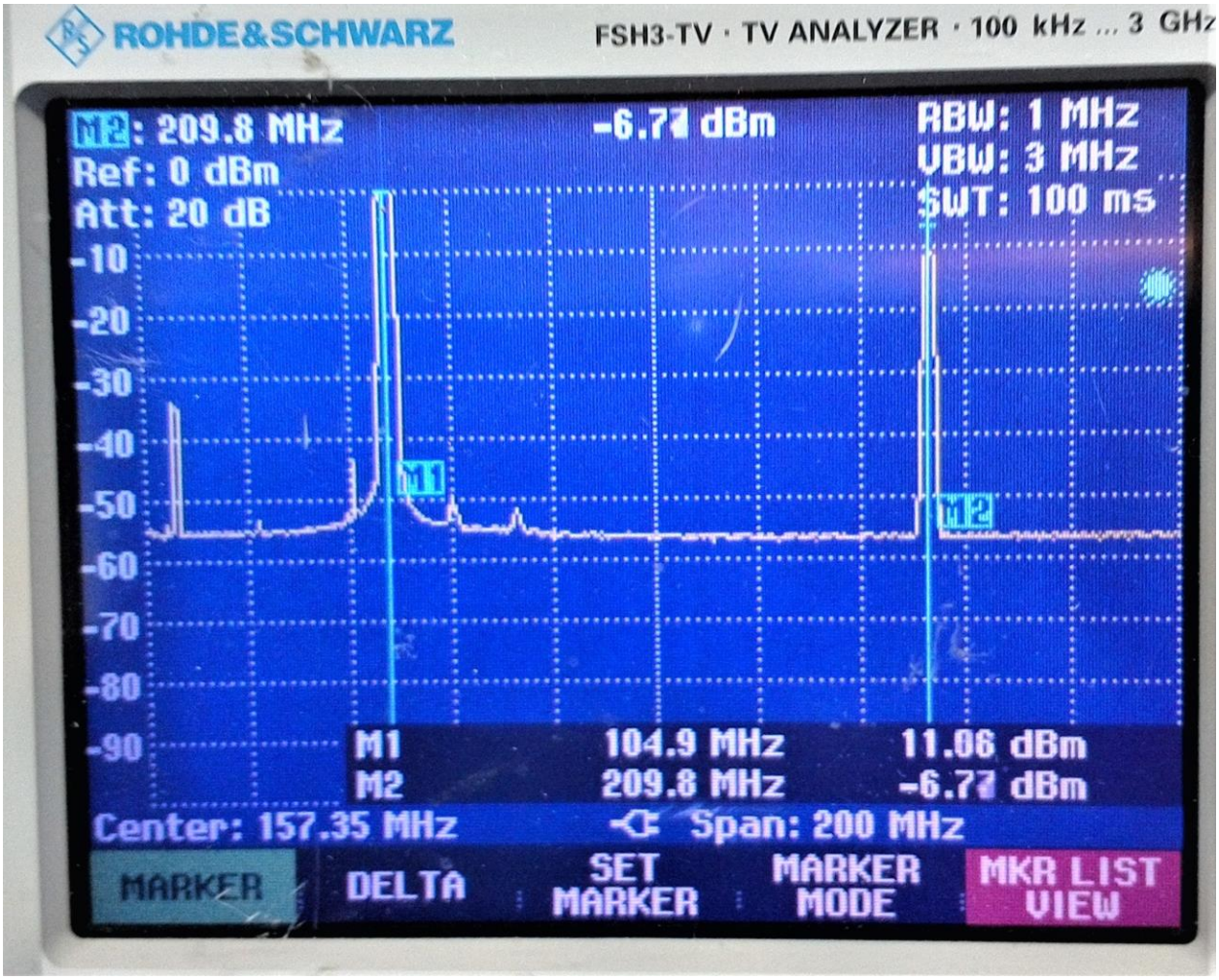
Spurious emissions test.

10/19/2017

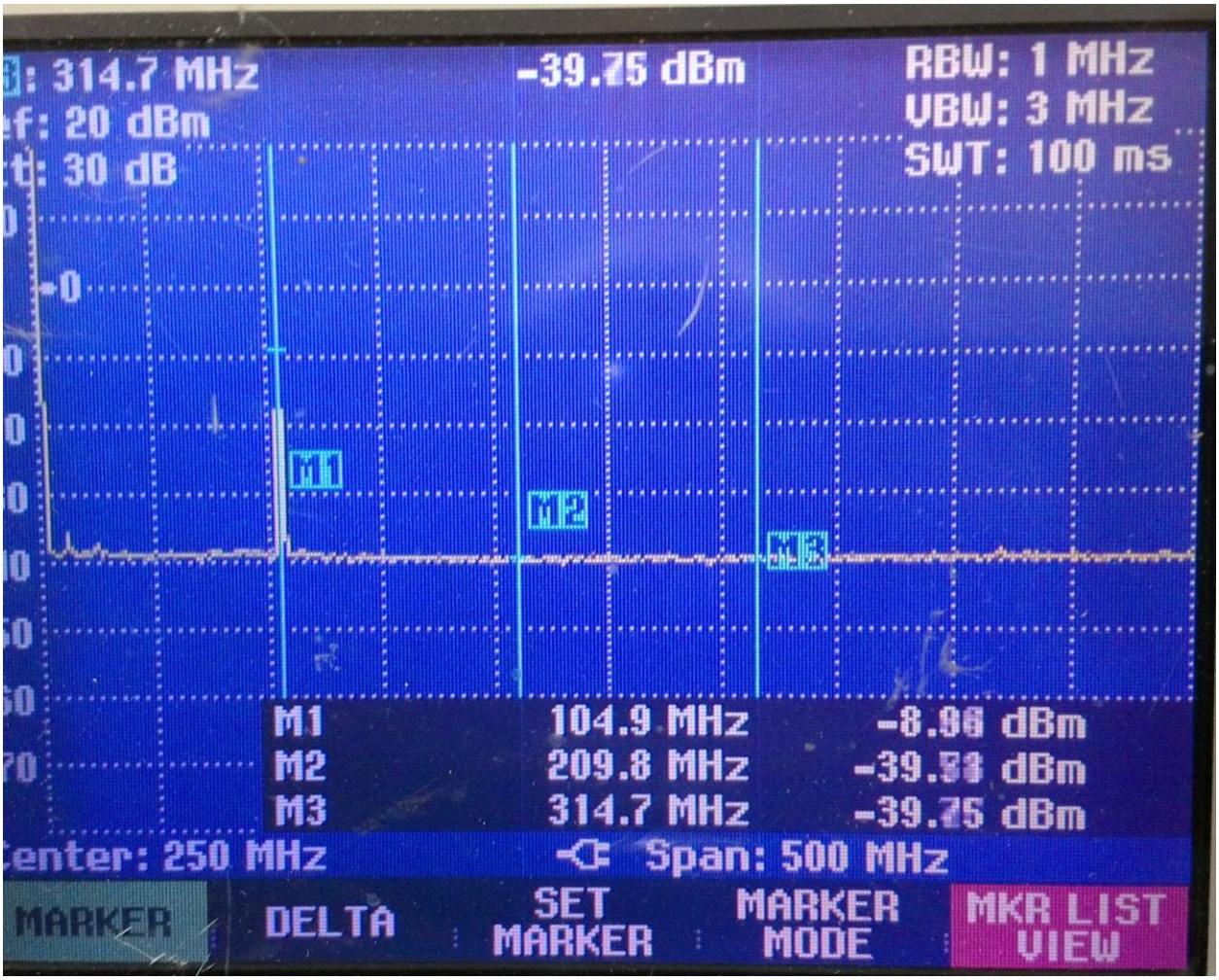
Test of each transmitter into combiner and output from combiner were measured to determine if spurious emissions were present because of combining the two stations into a common antenna.

WRTS Input to combiner with no filtering applied.

WRTS input to combiner with 175Mhz high pass filter applied. With filter applied second harmonic becomes un-measurable.

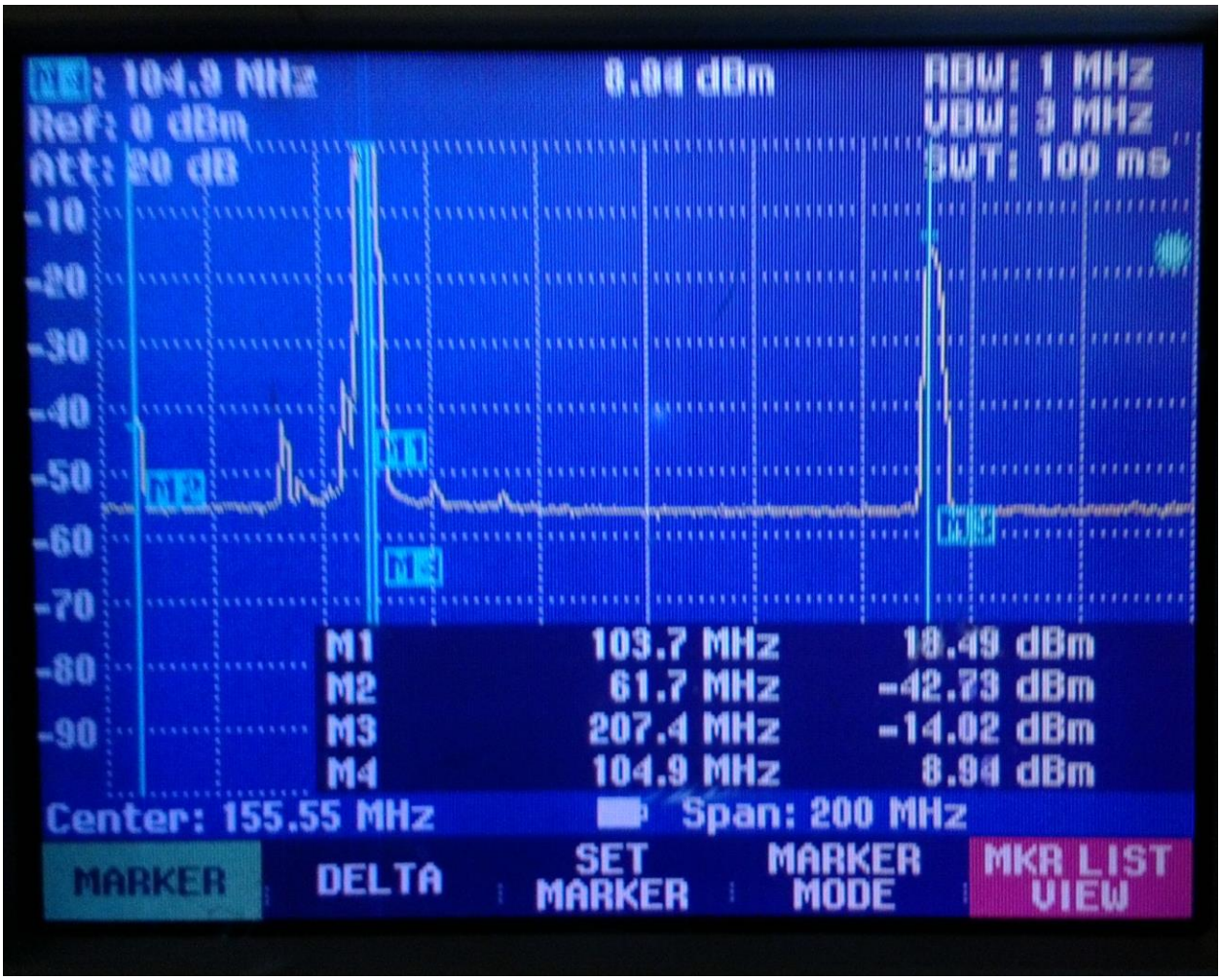


WRKT input ot combiner with no filter applied.

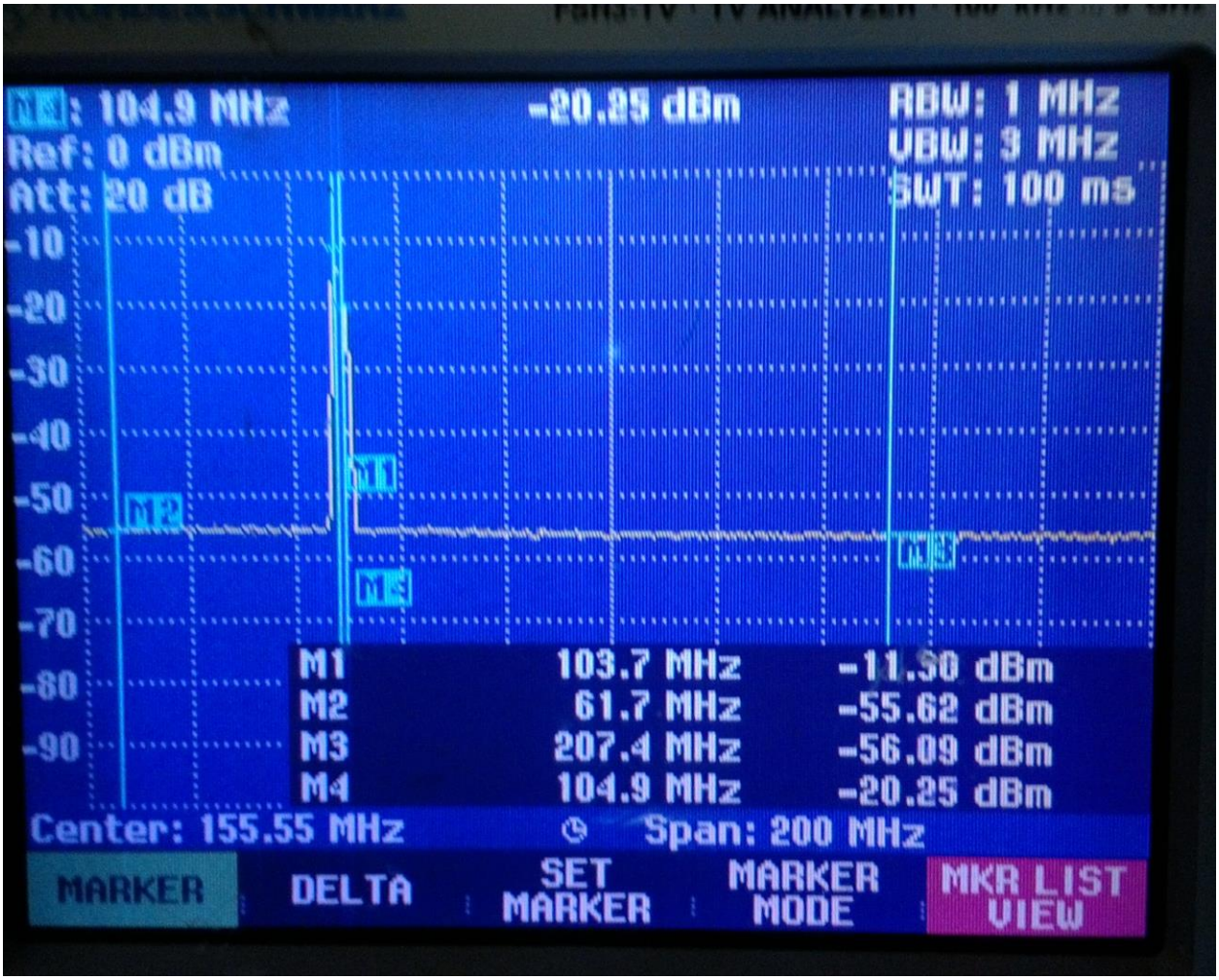


WRKT input to combiner with 175Mhz high pass filter applied.

Second harmonic is un-measurable.



Combiner output with no filtering and a 200Mhz bandwidth.



Combiner output with 175Mhz high pass filter applied.

No spurious emissions are observed.

No spurious emissions could be measured in this system.

It is my opinion that both WRTS and WRKT comply with spurious emission guidelines set forth by the FCC.

Fred A. Francis Jr.

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