



iHeart
MEDIA

Spectrum Occupancy Report

WTKK Auxiliary Knightdale, NC

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Testing was conducted using a Rigol DSA815 Spectrum Analyzer. The analyzer was coupled to the RF sample port using a length of RG 58 cable. A stepped attenuator and a tunable notch filter were added to protect the test equipment and attenuate the carrier frequency to eliminate front-end overload in the analyzer. The step attenuator was set to 13dB so that the reference level was at the top of the scale prior to the insertion of the notch filter.

Intermodulation frequencies of 104.1mHz [FIG. 1] and 107.1mHz [FIG. 2] were measured as well as the full spectrum up to 318mHz [FIG. 3]. No spurious emissions were detected that exceeded a level of -80dB as referenced to the fundamental carrier.

FIG. 1

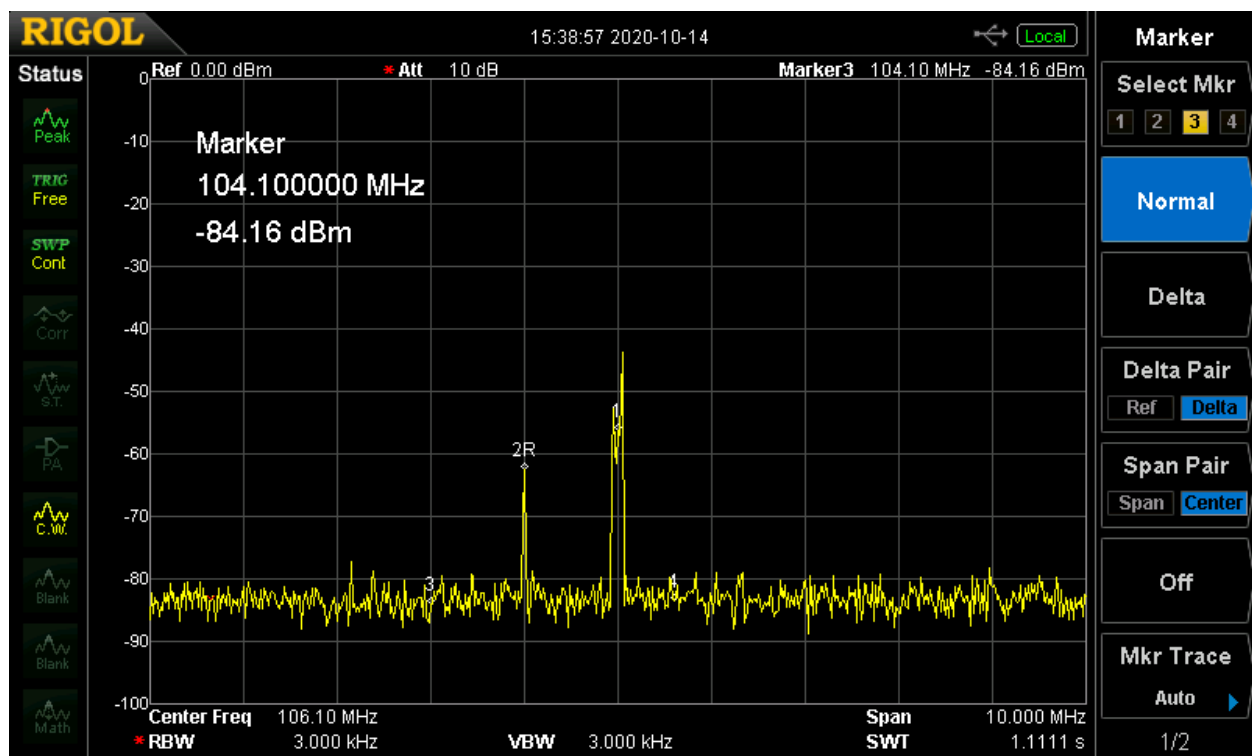


FIG. 2

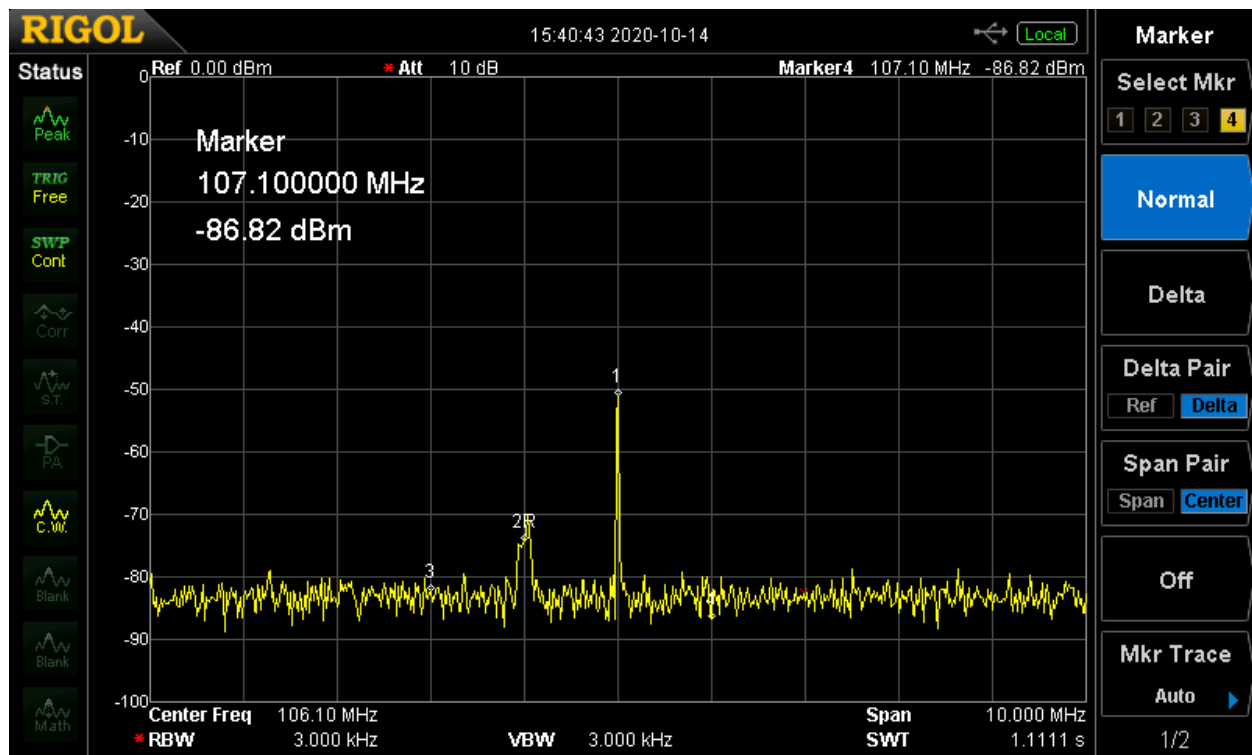


FIG. 3

