TYPE OF TEST: TRANSMITTER AUDIO OVERALL RESPONSE

FCC PART: 2.1047 (a)

MANUFACTURER: RITRON, INC.
505 West Carmel Drive
Carmel, IN 46032

MODELS: RQA-152, RQT-152

TYPE OF UNIT: VHF-FM Voice Message Transmitter

FCC ID: AIERIT32-152

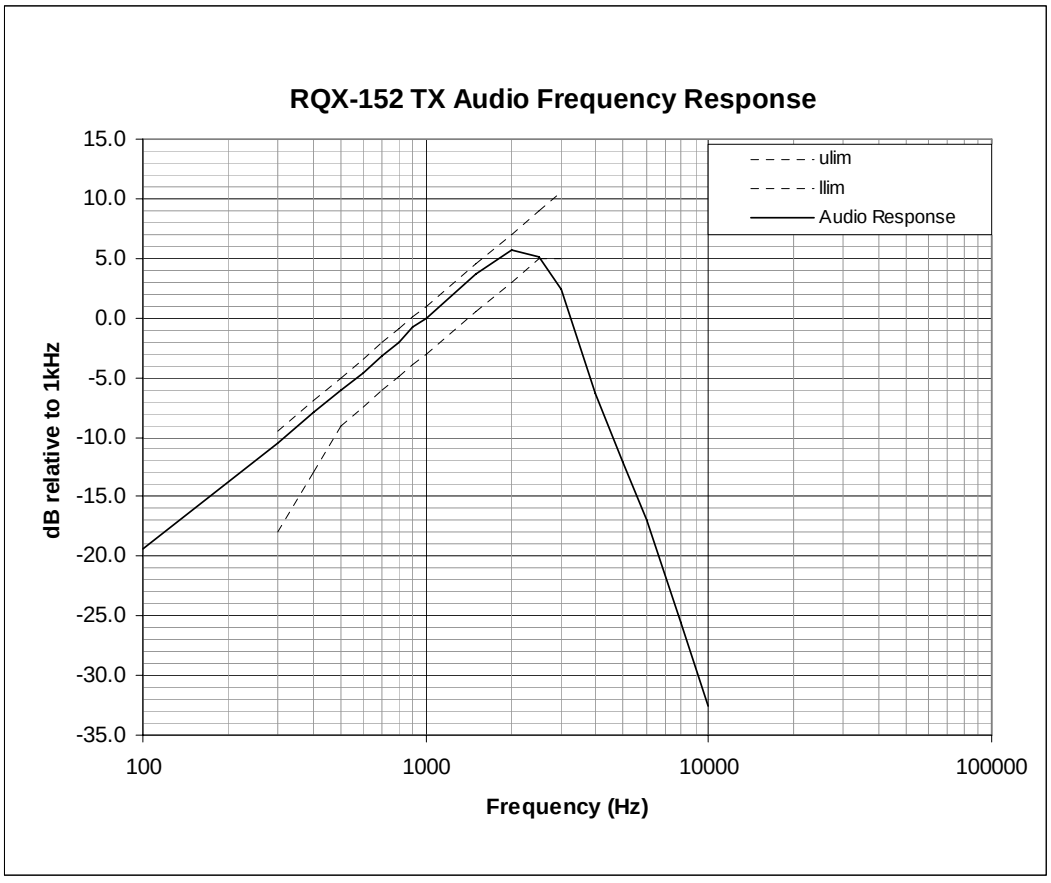
DATE: October 26, 2011

PROCEDURE:

The output of an IFR COM-120B audio function generator was applied to the input of the RQT-152 audio processing circuitry at J300 with the analog voice storage IC in feedthrough mode at a constant input level of .35 VP to prevent limiting at any frequency.

The output frequency response was calculated as –20 log(Vin/Vref) where the reference is 1 kHz.

RESULTS:



Signed: Michael A. Pickard

Michael A. Pickard - Project Engineer

TYPE OF TEST: TRANSMITTER AUDIO LOWPASS FILTER

FCC PART: 2.1047 (a)

MANUFACTURER: RITRON, INC.
505 West Carmel Drive
Carmel, IN 46032

MODELS: RQA-152, RQT-152

TYPE OF UNIT: VHF-FM Voice Message Transmitter

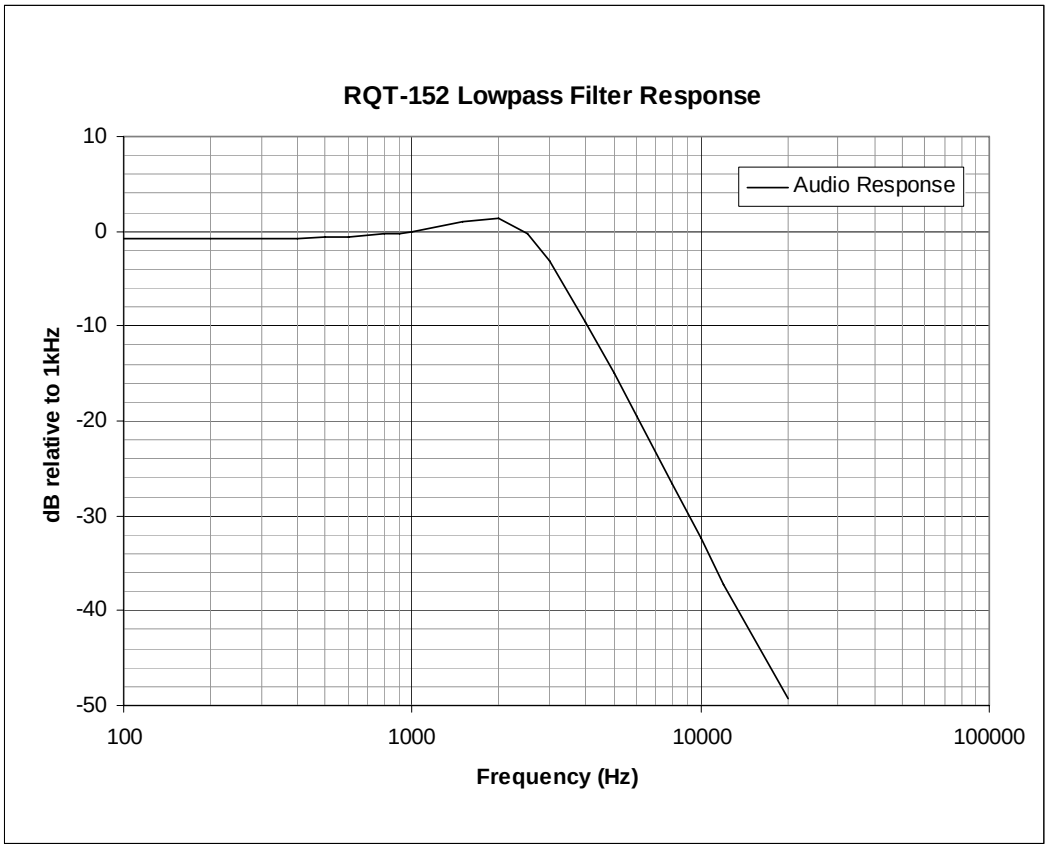
FCC ID: AIERIT32-152

DATE: October 26, 2011

PROCEDURE:

The output of an IFR COM-120B audio function generator was applied to the input of the RQT-152 audio lowpass filter at R331 through a 0.1µF capacitor at a constant input level of 2.0 VP to keep the filter in a linear (not limiting) mode. The output frequency response was calculated as –20 log(Vin/Vref) where the reference is 1 kHz.

RESULTS:



Signed: Michael A. Pickard

Michael A. Pickard - Project Engineer