GENERAL DYNAMICS
C4 Systems

Exhibit 6A – Test Report

Addendum A - Transient Frequency Behavior

General Dynamics C4 Systems

VHF URC-200 Transceiver

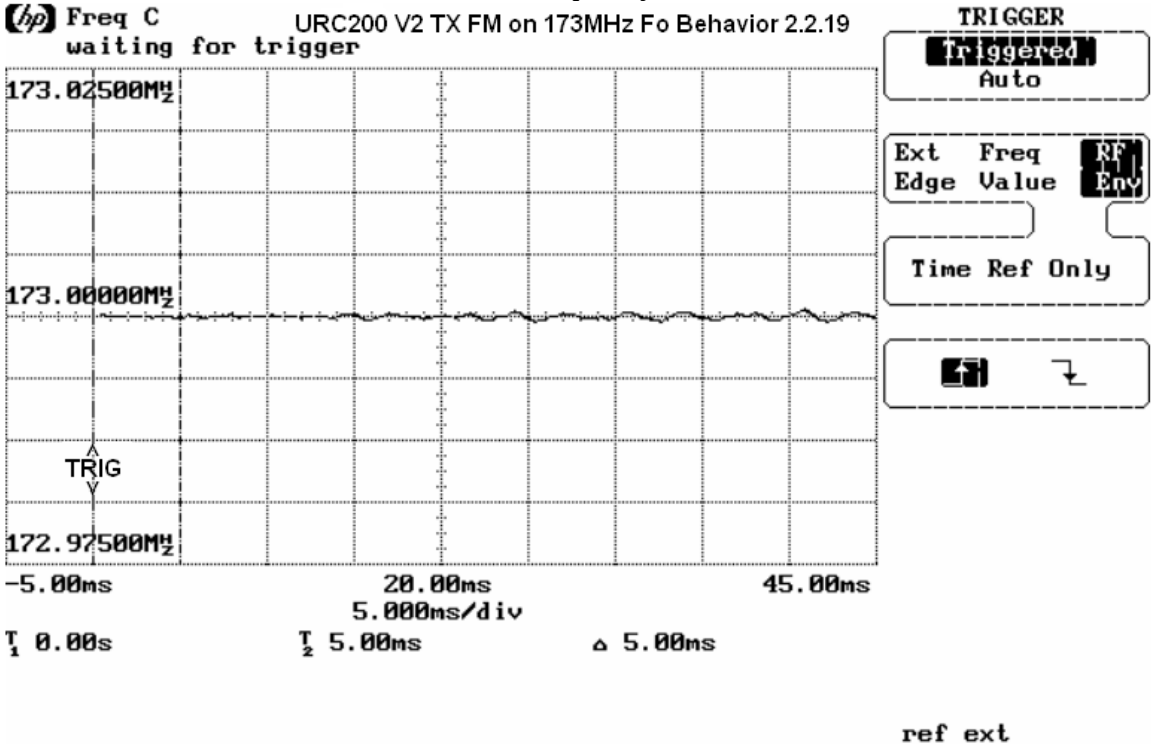
FCC ID: MIJURC-200XCVR-V2

Model No. URC-200 (V2)

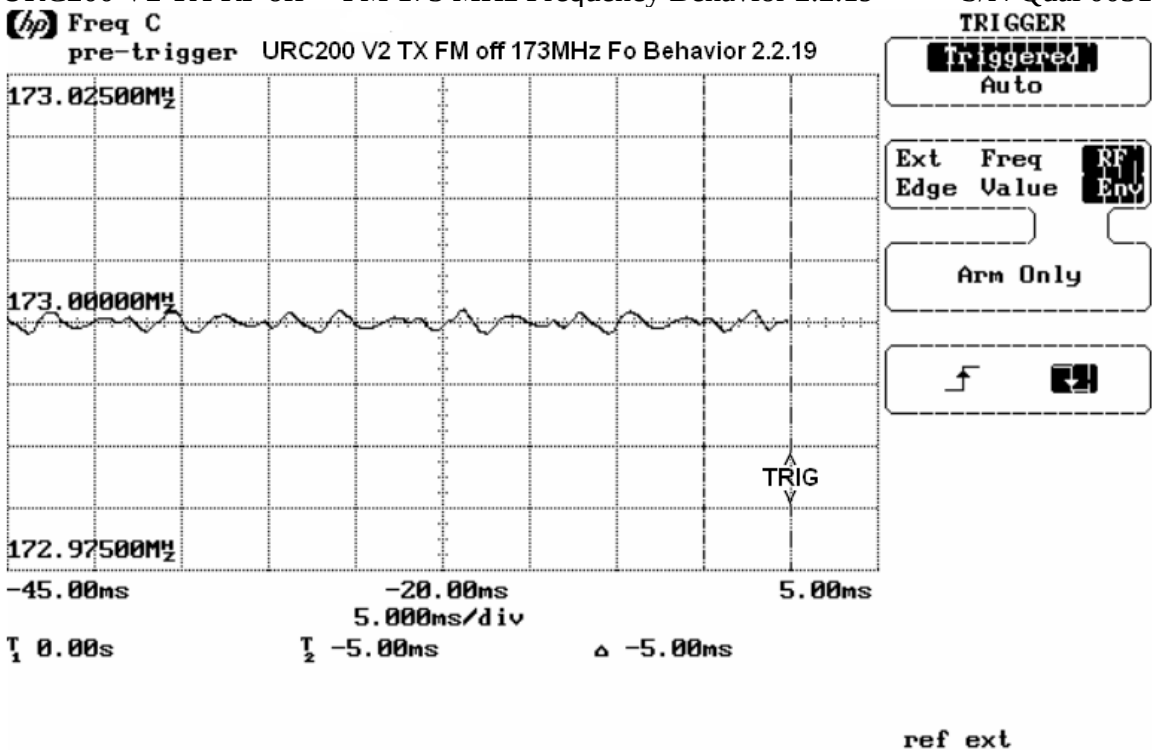
Tests Conducted By: **General Dynamics C4 Systems**
8220 E. Roosevelt St.
Scottsdale, Arizona 85257

Below are plots of the URC-200 Transient Frequency Behavior at various Frequencies.
HP 53310A Analyzer Setup is in Appendix A Date: 09-28-2009

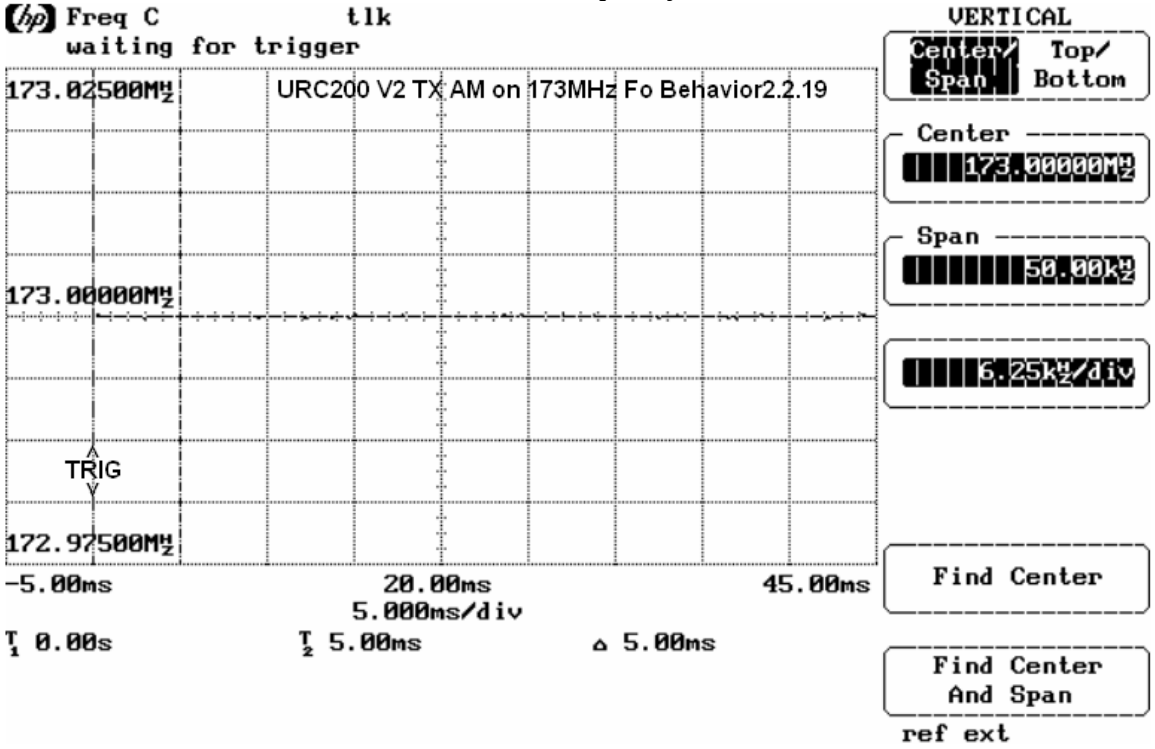
URC200 V2 TX RF on -- FM 173 MHz Frequency Behavior 2.2.19 S/N Qual 0031



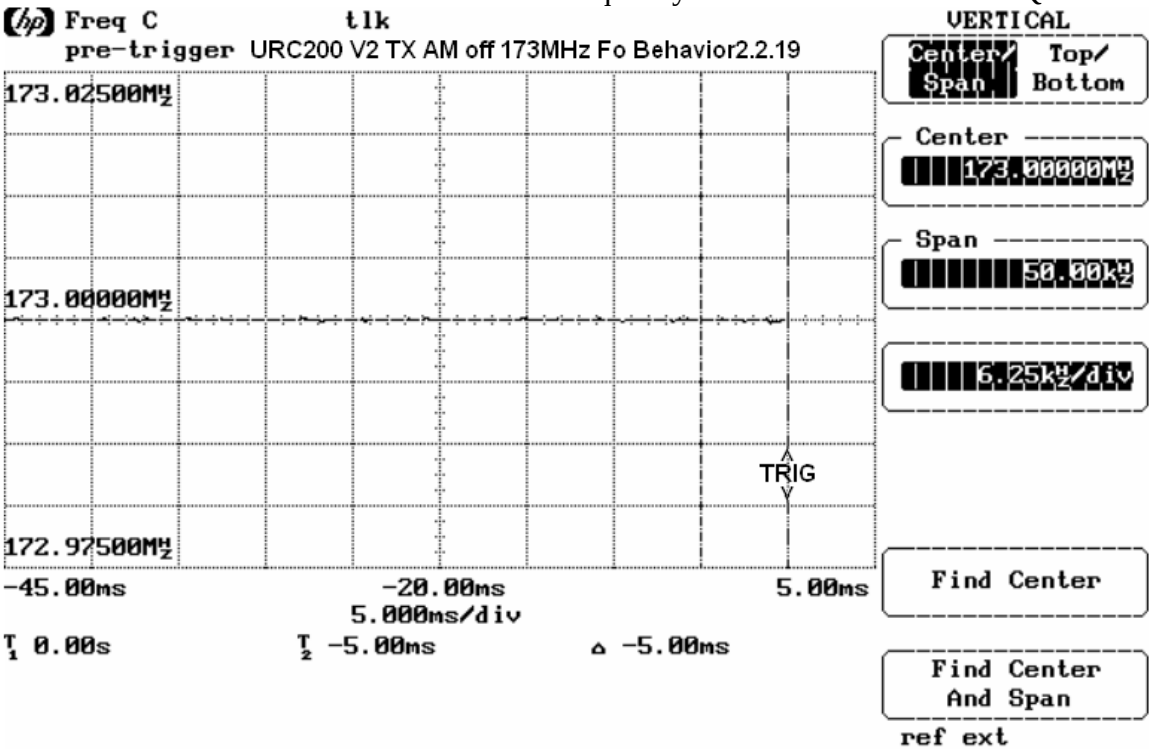
URC200 V2 TX RF off -- FM 173 MHz Frequency Behavior 2.2.19 S/N Qual 0031



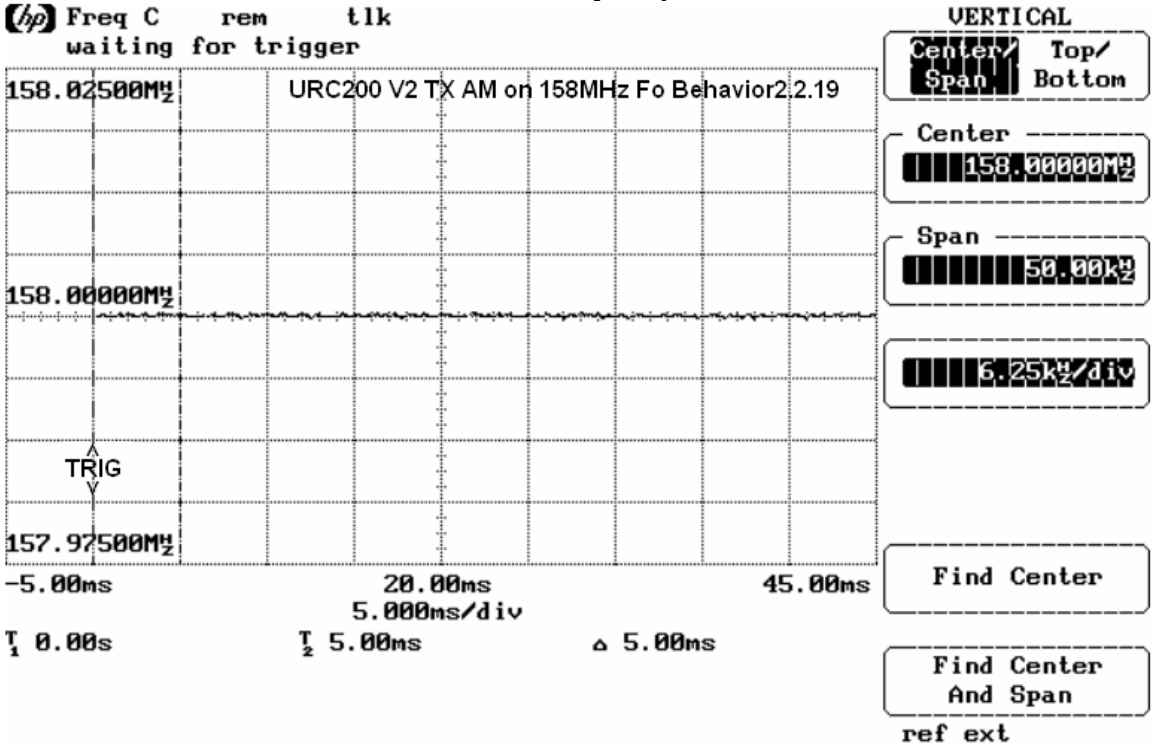
URC200 V2 TX RF on AM ---- 173 MHz Frequency Behavior 2.2.19 S/N Qual 0031



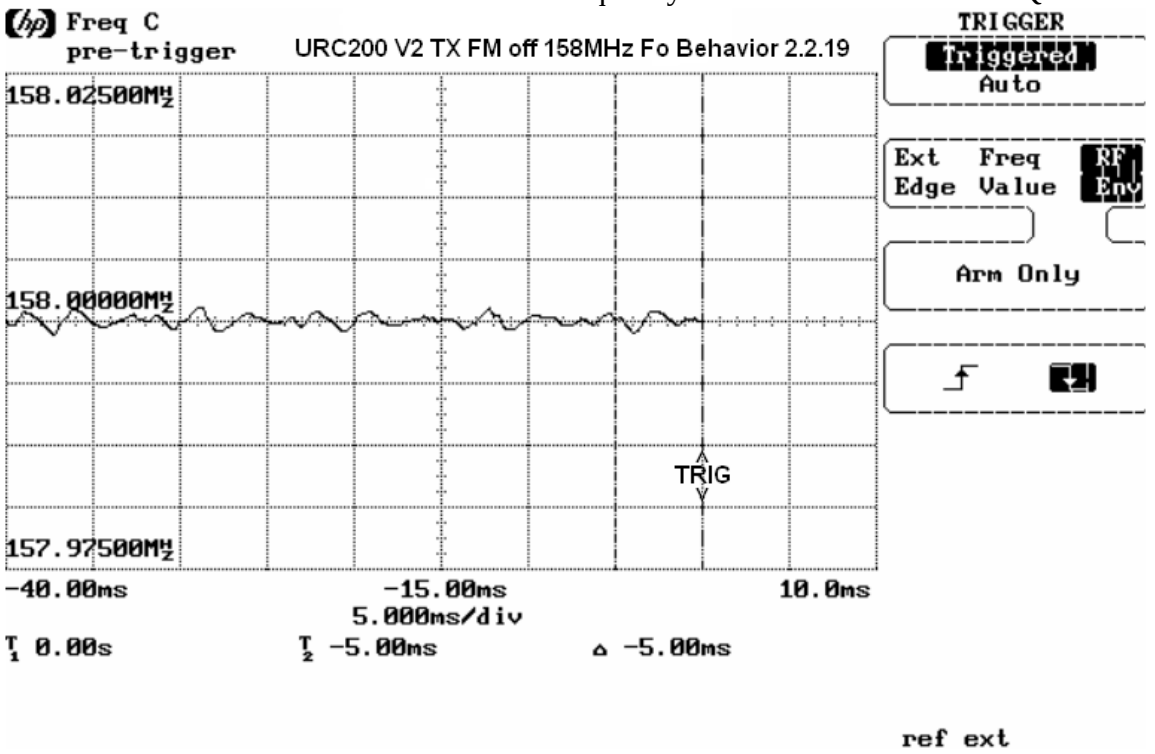
URC200 V2 TX RF off AM ---- 173 MHz Frequency Behavior 2.2.19 S/N Qual 0031



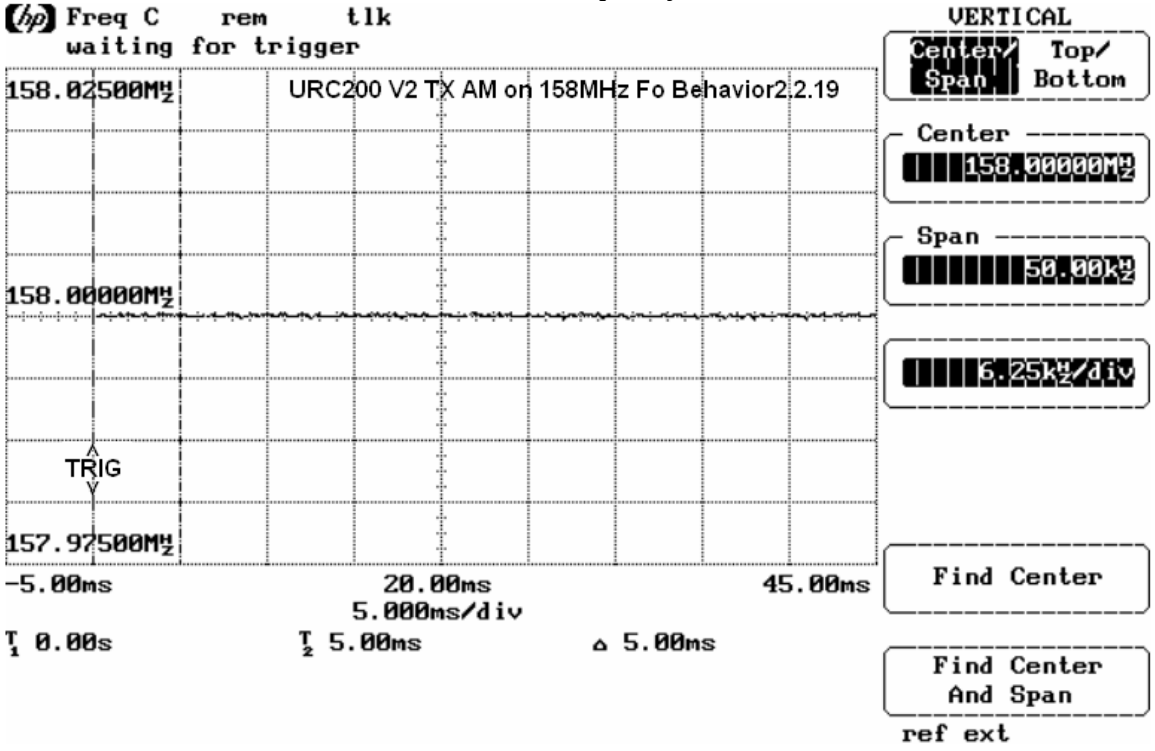
URC200 V2 TX RF on FM ---- 158 MHz Frequency Behavior 2.2.19 S/N Qual 0031



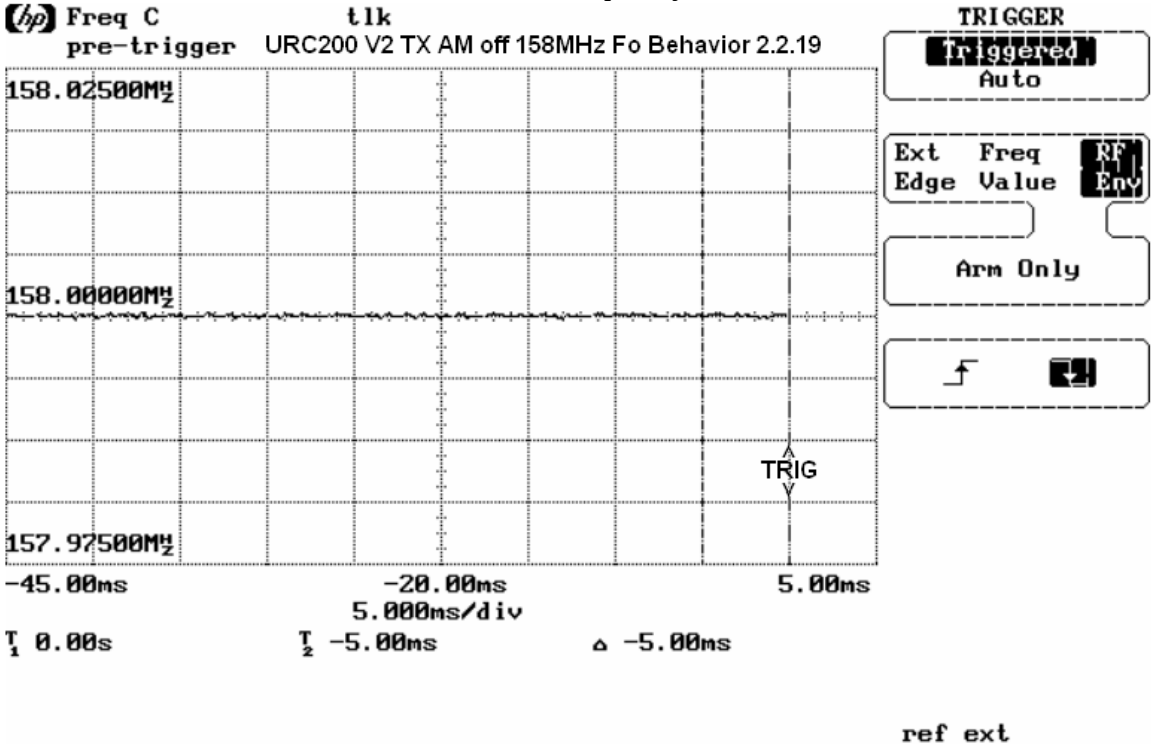
URC200 V2 TX RF off FM ---- 158 MHz Frequency Behavior 2.2.19 S/N Qual 0031



URC200 V2 TX RF on AM ---- 158 MHz Frequency Behavior 2.2.19 S/N Qual 0031



URC200 V2 TX RF off AM ---- 158 MHz Frequency Behavior 2.2.19 S/N Qual 0031



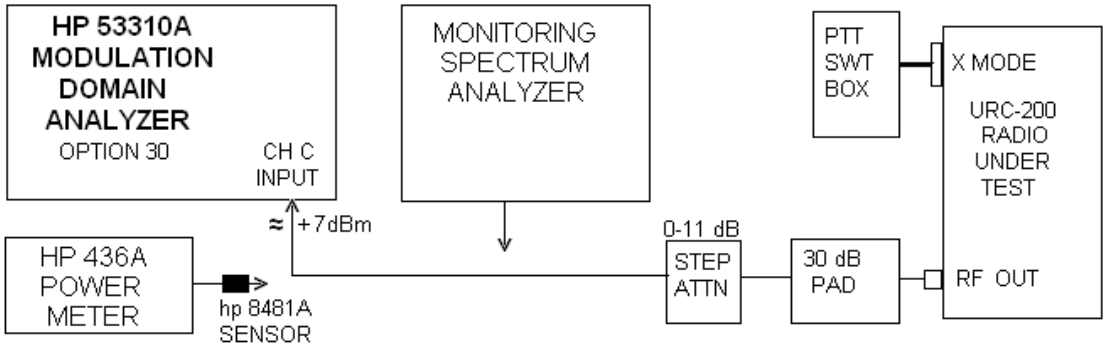
Appendix A

The RF power on Channel C into the HP 53310A Analyzer needs to be between +7 dBm and -15 dBm for the Analyzer to count frequency accurately (Damage Level = +15 dBm). The requirement is so the unit can also trigger correctly on the rising RF envelope.

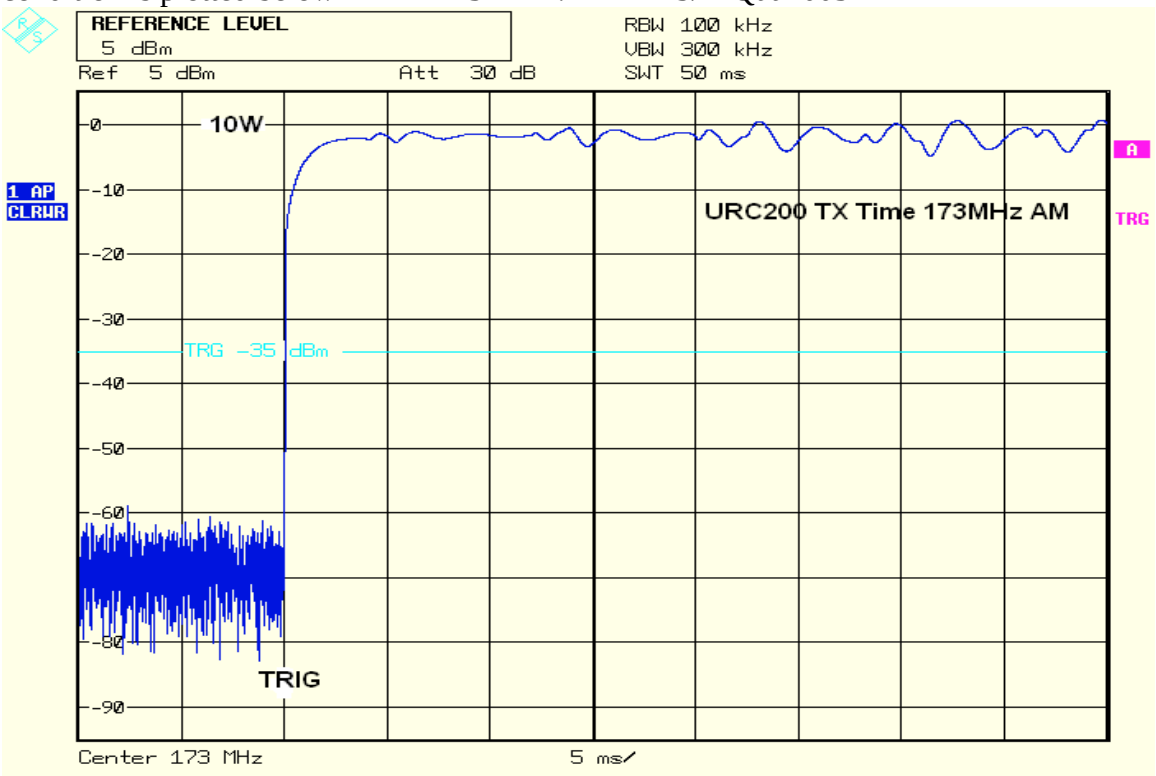
As a result of this requirement, a test is done on the radio to measure the URC-200 rising RF envelope during a Transmit Transient condition.

A Spectrum Analyzer is used as a RF envelope detector to accurately capture rising RF envelope. The Spectrum Analyzer is set for 100 kHz resolution BW at a zero span.

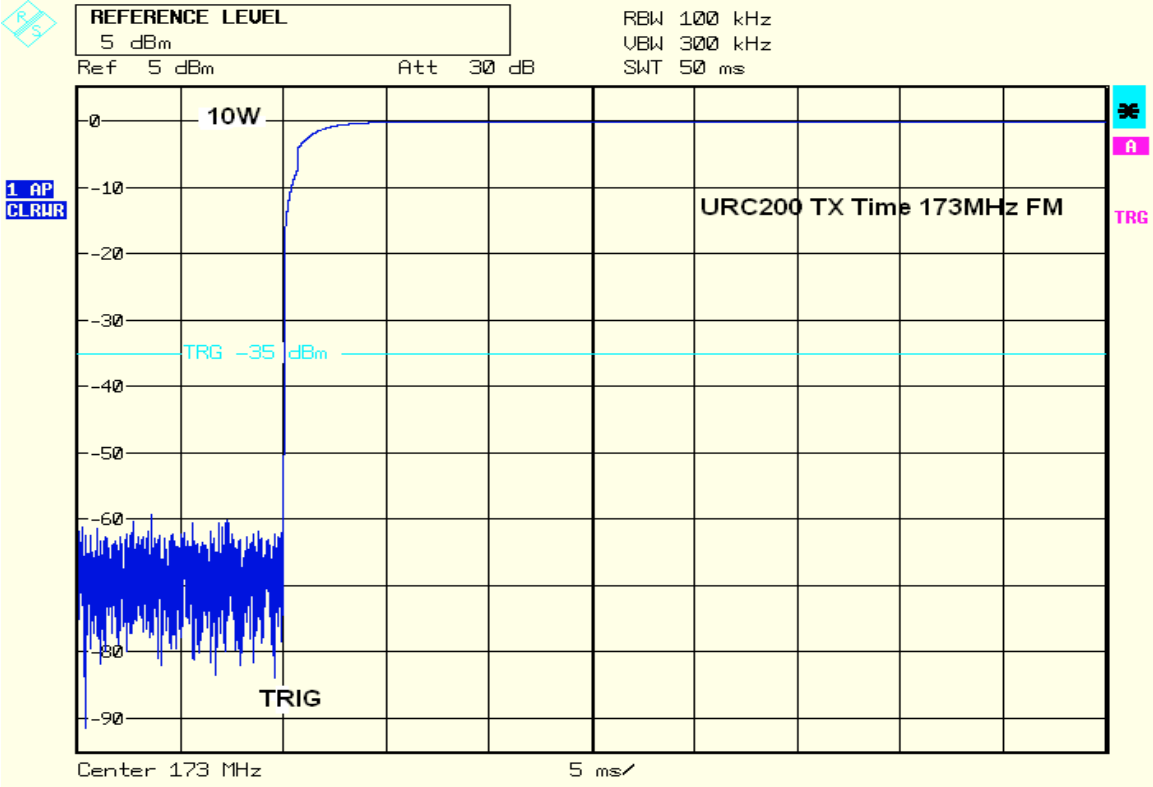
The test setup block diagram is shown below:



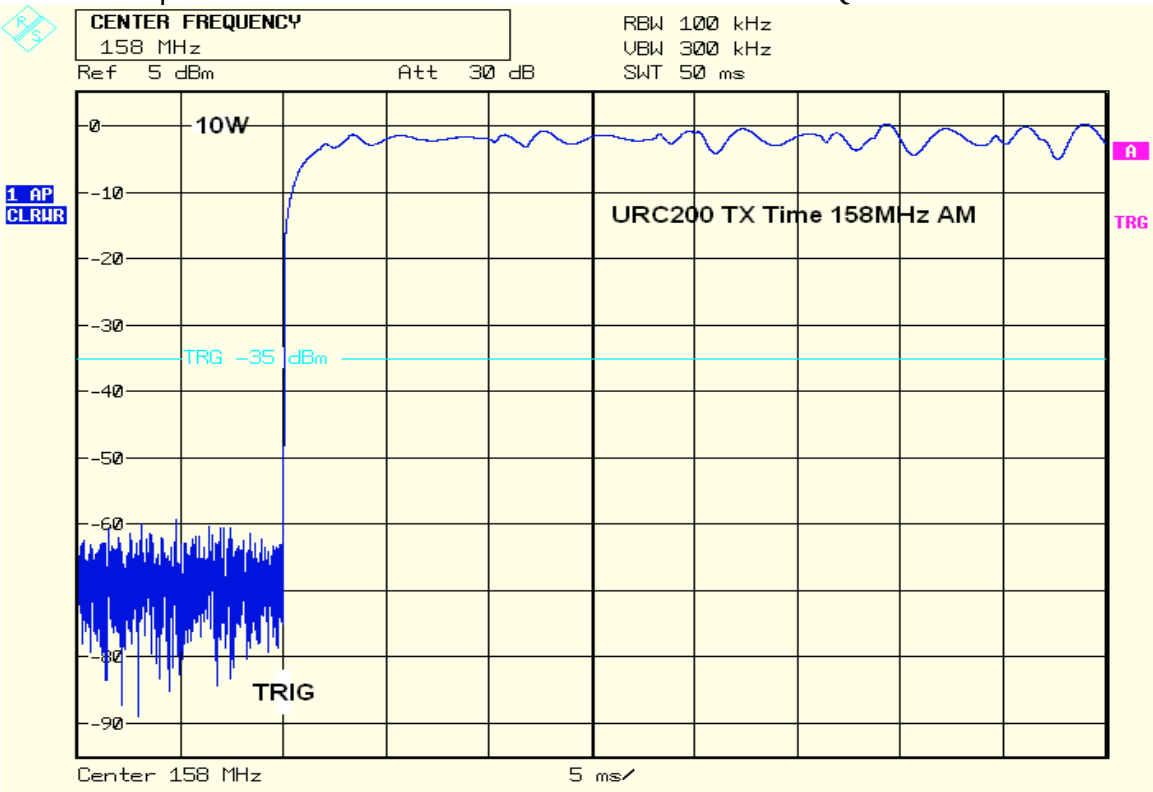
The results of testing the URC-200 rising RF envelope during the "Transmit Transient" condition is plotted below in AM 173 MHz. S/N Qual 0031



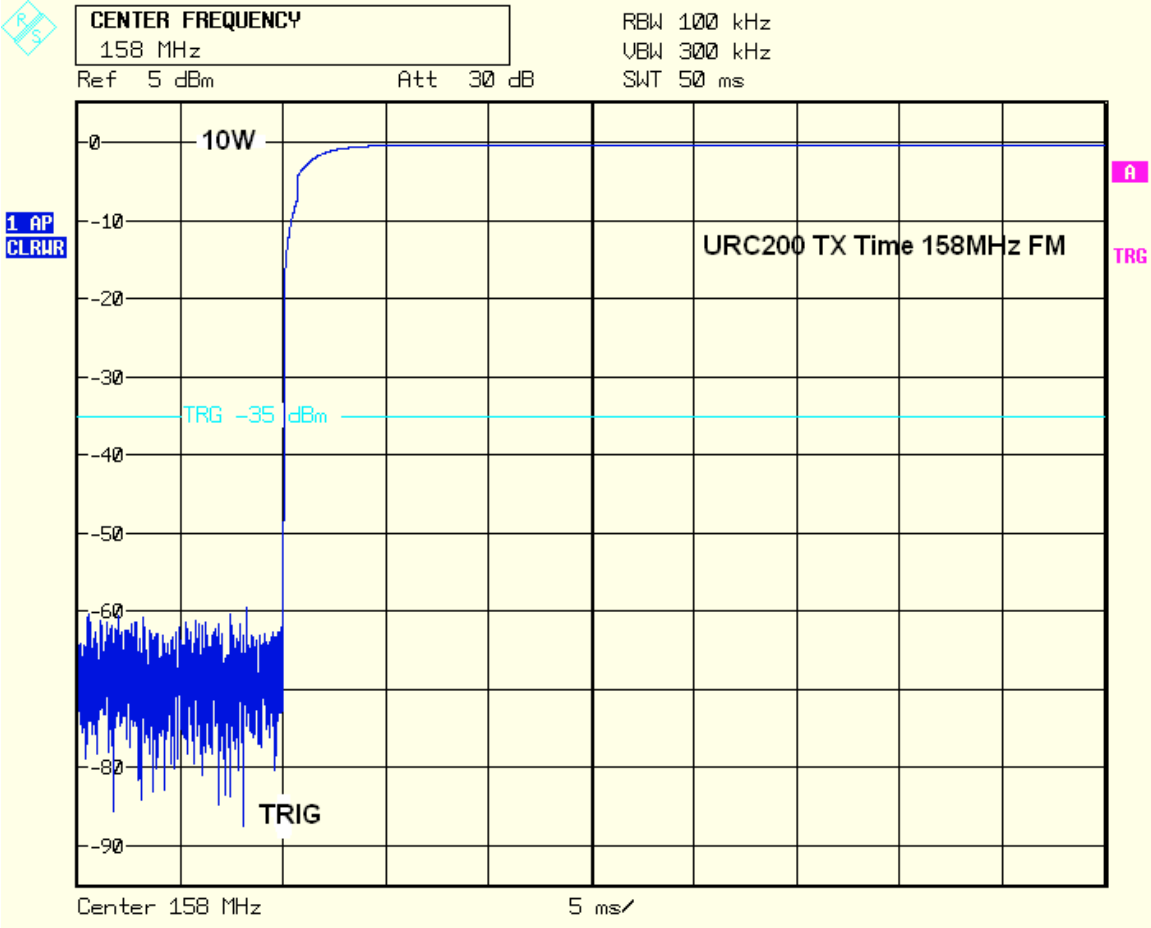
The results of testing the URC-200 rising RF envelope during the “Transmit Transient” condition is plotted below in FM 173 MHz. S/N Qual 0031



The results of testing the URC-200 rising RF envelope during the “Transmit Transient” condition is plotted below in AM 158 MHz. S/N Qual 0031



The results of testing the URC-200 rising RF envelope during the “Transmit Transient” condition is plotted below in FM 158 MHz. S/N Qual 0031



Jim Howard 09-28-2009